

EXHIBIT NO. 1

City of Alexandria, Virginia

21
11-27-01

MEMORANDUM

DATE: NOVEMBER 16, 2001

TO: THE HONORABLE MAYOR AND MEMBERS OF CITY COUNCIL

FROM: PHILIP SUNDERLAND, CITY MANAGER *PS*

SUBJECT: 2001 ANNUAL REPORT AND PLANT SURVEY FROM COMCAST CABLE COMMUNICATIONS, INC.

ISSUE: Receipt of the 2001 Annual Report and Plant Survey from Comcast Cable Communications, Inc. (Comcast).

RECOMMENDATION: That City Council receive the Comcast Cable Communications 2001 Annual Report (Attachment 1) and Plant Survey (Attachment 2).

The Commission on Information Technology, at its November 12 meeting, reviewed the results of the Comcast 2001 Annual Report and Plant Survey, accepted the staff analysis, and voted to approve the docket memorandum as drafted.

DISCUSSION: Section 9-3-153 (a) of the City Code requires the cable television franchisee to submit an annual written report to the City Council which summarizes the company's previous year's activities in operating the Alexandria cable television system. The 2001 report (Attachment 1), which covers the seventh year under the cable franchise, summarized the company's activities with respect to physical plant and system operations, programming and customer service, and describes the company's financial condition for the calendar year ending December 31, 2000. Staff has included a summary of its findings, based on quarterly reports submitted by Comcast, of the company's level of compliance with the customer service standards set forth in the City Code to provide a clearer picture of the cable franchisee's customer service response.

Comcast offers 80 channels of analog and 300 digital channels of video programming. Approximately 35 % of the company's total customers (17,220 out of 48,677, which is 5% more than last year) receive other telecommunications services such as Internet access via Comcast@Home and local telephone services.

Following is a summary of the major accomplishments described in the Annual Report and the actions taken by the franchisee to comply with City and Federal requirements:

Programming:

- During the reporting period, the following changes were made to the channel line-up by Comcast:
 - On September 5, 2000, 26 channels were added to the digital service to provide more offerings from programmers such as Discovery (Discovery Civilization, Discovery Wings, and Discovery Home and Leisure), Encore (Encore Action, Encore Mystery, Encore Love Stories, etc.), Sundance East and West, as well as BBC America, Nick TOO and Nick Games and Sports, VH-1 Classic, Soul, and Country, MTV S and X, and WAM!
 - Effective November 1, 2000, HBO digital subscribers automatically received HBO Latino East and HBO Latino West as part of their multiplexed package.
 - January 12, 2001, Smart Traveler TV went out of business. This programming was carried on channel 10 from 6:00 a.m. to 9:30 a.m., Monday through Friday. The Community Bulletin Board is now shown during this time.
 - Comcast purchased Home Team Sports (HTS) in March 2001. Effective midnight April 4, 2001, the channel was re-launched as Comcast SportsNet.
 - On May 17, 2001, Comcast dropped Digital HBO Comedy West, Digital HBO Zone West, Digital Thriller Max West and Added Digital W Max East, Digital @Max East, Digital 5 Star Max East, and Digital Outer Max East.
 - On June 22, 2001, the following changes were made to the digital line-up: VH-1 Classic and Nick Games & Sports (GAS) were moved from the Digital Plus Package (\$14.95) to the Digital Classic Package (\$9.95); and ESPNews, SoapNet, and Toon Disney were added to the Digital Plus Package.
 - Effective June 30, 2001, Comcast dropped the International Channel as an a la carte service and added FX the expanded basic line-up.

According to Comcast's Director of Government and Community Affairs Marie Schuler, these program changes were the result of customer requests, market research, contractual requirements, and corporate recommendations.

- **Channel 10 Local Origination and Community Programming** - During the reporting period, Comcast's combined community and local origination programming on Channel 10 met, and in many cases, exceeded, the franchise requirement of ten hours per week of original un-repeated programming. A summary of the year's activities for local

origination and community programming is provided in Attachment 3. Comcast continues to make a concerted effort to encourage citizen participation in Community Programming certification classes. In 2000, Comcast certified 12 people for community programming production and programming information.

Physical Plant and System Operations:

- **System Construction** - During the reporting period, Comcast expanded the physical plant by adding nine miles of underground cable, thus enabling the company to provide cable service to an additional 2,097 new customers located primarily in new developments through the City. This brings the total number of residential, commercial and public units in Alexandria able to receive cable service to 73,247.
- **Service Outages** - Staff's review of the Annual Report showed that during the reporting period, the reliability of the company's cable service increased as outages decreased from 75 to 54 (21 less than in 2000). Comcast reports that of the 54 outages, 19 were due to Comcast equipment failure such as damaged motherboards, feeder connectors, and modules in the nodes (four less than last year). Of the remaining 35 outages, 13 were the result of Dominion Virginia Power system outages (eight more than last year), 10 were a result of damage to the plant by contractors who did not consult with MISS UTILITY prior to digging activities or ignored Comcast's cable line markings (nine less than last year), nine were caused by electrical power outages caused by electrical shortages and power surges (10 less than last year), and the remaining three outages were due to routine maintenance activities conducted by Comcast staff (three less than last year).

Two of the 54 outages (affecting 390 customers) lasted longer than four hours. The City Code requires Comcast to credit subscribers with a prorated share of the monthly charge if the subscriber is without service or if service is substantially impaired for any reason for more than four hours during any 24-hour period. Comcast staff issued the appropriate credits to the affected customers. Staff will continue to monitor system outages and ensure that credits are given where appropriate.

- **Plant Survey** - Section 9-3-153 (c) of the City Code requires the franchisee to submit a complete survey of its plant, including electronic measures to determine any signal leakage, specifically levels above the FCC requirements, and to assure the City that Comcast is complying with the FCC technical standards (Attachment 2). The FCC Proof-of-Performance tests were conducted by Comcast staff January 3-31. Signal leakage tests were conducted for Comcast by Martech Engineering on June 20. All tests complied with FCC technical standards.

Customer Service:

- **Subscriber Trouble Calls** - During the reporting period, Comcast responded to 9,419 subscriber trouble calls, an increase of 942 from 2000. These trouble calls related to customer equipment (televisions and VCRs) and converter box problems, distribution/signal problems, and coaxial cable problems. According to Ms. Schuler, the largest trouble call category, “Tap to the TV Set,” consisted of 4,543 calls (up from 2,569 from last year. Seventy-five to eighty percent of the “Tap to TV Set” problems result from bad connectors or splitters between the tap and the customer’s TV due to age, corrosion, or fittings that have been improperly tightened down by customers who move their sets or notice the fittings have worked themselves loose.
- **Customer Service Standards** - The City Code requires Comcast to file customer service reports on a quarterly basis. The report describes the number of outages and service degradations, planned and unplanned outages, the time that each outage occurred, its duration, the number of subscribers affected, total hours of outages and service degradations, total number of viewing hours lost to subscribers, and telephone availability standards.

With respect to telephone availability, the City Code requires Comcast’s service representatives to answer their telephones within 30 seconds, 95 percent of the time. (Note: The City’s standard exceeds the federal standard which requires that the telephones be answered within 30 seconds, 90 percent of the time.) During the reporting period, Comcast’s quarterly data indicates that the percentage of telephones answered within 30 seconds was as follows: January (75 percent), February (75 percent), March (72 percent), April (78 percent), May (86 percent), June (92 percent), July (73 percent), August (72 percent), September (75 percent), October (68 percent), November (62 percent), and December (60 percent). Comcast was fined four times for a total of \$800.

Financial Information:

Finance Director Daniel Neckel reviewed the unaudited financial statements and the Schedule of Gross Revenues submitted by Comcast Cable Communications, Inc. for the calendar year 2000. The Schedule of Gross Revenues has been audited by Deloitte & Touche LLP, Comcast’s auditors, as required by the franchise agreement. Gross revenues are the basis for computing the franchise fees and capital grant contributions also required by the franchise agreement. In the opinion of the auditors, the Schedule of Gross Revenues presents fairly, in all material respects, the gross revenues of Comcast’s Alexandria system for the reporting period.

According to Mr. Neckel, gross revenues for the year ending December 31, 2000, totaled \$28,627,344, an increase of \$846,724, or three percent, over the same period of the prior year. Ms. Schuler attributes a large percentage of this increase to digital cable tier and internet revenues. These receipts generated \$852,182.33 in franchise fees paid to the City in calendar

2000, an increase of \$5,458.33 over 1999. In addition, the City received capital grant contributions of \$548,188 in FY 2000 and \$544,655 in FY 2001. Based on the franchise agreement and Comcast's gross revenues, the correct levels of payment were paid to the City by Comcast.

The net property and equipment owned by Comcast's Alexandria system amounted to \$34.2 million as of December 31, 2000, an increase of \$6.2 million from 1999. Depreciation and amortization expenses of \$16.1 million contributed to a net loss in calendar 2000 of \$11.1 million.

FISCAL IMPACT: For calendar year 2000, the franchise fee to the City, based on three percent of gross revenues from all operations (\$28,627,344) per the City Code requirement, was \$852,182.33. Franchise fees are considered general revenues that are deposited in the General Fund and help finance the City government expenditures and transfers (to such entities as the schools).

STAFF: Rose Williams Boyd, Director of Citizen Assistance

ATTACHMENTS:

1. Comcast Cable Communications, Inc. 2001 Annual Report
2. Comcast Cable Communications, Inc. 2001 Annual Plant Survey Report
3. Summary of the Year's Activities for Local Origination and Community Programming



2001 ANNUAL REPORT

EXECUTIVE SUMMARY AUGUST 30, 2001



Comcast Cable Communications, Inc.
617A South Pickett Street
Alexandria, VA 22304
703.567.4600 Tel
703.567.4444 Fax

August 30, 2001

Ms. Rose Williams Boyd
Director
Office of Citizen Assistance
City of Alexandria
301 King Street Room 1900
Alexandria, Virginia 22314

2001 AUG 31 PM 12:29

Dear Ms. Boyd,

Comcast is pleased to submit our 2001 Annual Report to the City of Alexandria, in accordance with Chapter 3 of Title 9 of the Alexandria City Code. Included are copies or summaries of the Year's Activities within Local Origination and Community Programming, a Summary of Customer Complaints, Financial Reports, Statements of Major Equipment and Capital Expenditures, Construction Plans, a list of Comcast Officers and Board of Directors, the Alexandria Employee Report, the Customer Opinion Survey, and the Plant Report.

This past year has been extremely busy for the system, as we both grew our Digital Cable and Internet business, and integrated the Arlington system (formerly Prime Communications) into our operations. As Director of Government and Community Affairs, I am happy to continue the partnership we have established with the City of Alexandria. Comcast remains committed to fostering this relationship and expanding our efforts in the Community.

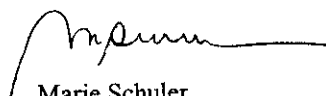
Highlights from the past year are:

- ◆ The creation of five minute interviews to promote awareness of non-profit organizations, and to give elected officials the opportunity to address community issues
- ◆ Participation in the AMC national "Cool Women" program, highlighting an Alexandria citizen
- ◆ Promotion of reading initiatives by supporting the Alexandria Education Partnership and its mission, and public awareness with "Read Across America".

Comcast and its employees pride themselves with being involved with the Community, and being in the forefront within the Company to deploy new services and technologies to our customers. We plan to continue this tradition in 2002.

We look forward to a productive year.

Yours sincerely,



Marie Schuler
Director of Government and Community Affairs



2001 ANNUAL REPORT

SUMMARY OF CUSTOMER COMPLAINTS AUGUST 30, 2001

Summary of Customer Complaints

September 1, 2000 to August 31, 2001

1. Complaint

Customer moved into a new construction area and had been waiting for several months to get cable installed.

Resolution

Construction crew was dispatched. The necessary work was completed and the customer was installed within four days of receipt of complaint. Customer is satisfied.

2. Complaint

Customer's service was disconnected for non-payment. Claimed there were three missing payments that needed to be applied to the account.

Resolution

Researched payments with the bank. One payment rejected by the bank, the other two payments were over a month late. Payments applied to account. Customer was reconnected free of charge. Customer is satisfied.

3. Complaint

Customer complained about the change in his billing cycle from the first of the month to the eighth of the month. Thought we were going to continue to send and request payment for the same time as previously, to improve our cash flow.

Resolution

Explained that both receipt of bill and payment due date were also moved. That the changes in the cycle were made to distribute the call volume over the month versus one peak period each month. Customer understood.

4. Complaint

Customer complained about receiving a late fee. Electronic fund transfer not on account.

Resolution

Payment was applied to the account, and late fee was credited. Customer is satisfied.

5. Complaint

Customer upgrading to digital service and Comcast missed two appointments.

Resolution

Made contact with customer, apologized for missed appointments and upgraded service at his convenience. Customer is satisfied.

6. Complaint

Customer was being charged for Internet service for several months. She didn't have Internet service with Comcast.

Resolution

Internet was added to the customer's account by the conversion team in error. Removed all charges from account, and notified customer of actions. Customer is satisfied.

7. Complaint

Customer was told by a CSR the previous month that she had a credit on her account and not to pay the bill. Confused about charges on current month.

Resolution

Explained the bill. Issued credit for promotional Internet pricing that was not reflected on her account. Customer is satisfied.

- 8. Complaint**
Customer was complaining about being charged late fees
Resolution
Late fees were credited off the account. Customer is satisfied
- 9. Complaint**
Customer was being double billed for service. Have cable, Internet, and phone. Wanted his account reviewed and adjustments made.
Resolution
Customer had a promotion for a free month of digital service. Added additional services within the month and the code for free digital was deleted in error. Credit for free period that was charged was applied to his account. Customer is satisfied.
- 10. Complaint**
Customer complained about the rate increase of the non-addressable converter box.
Resolution
Explained the formula for calculating the rate, and gave him several options besides renting the box from Comcast. Customer understood.
- 11. Complaint**
Customer complained about change in billing cycle, couldn't understand bill.
Resolution
Billing was explained in detail to customer. He's satisfied.
- 12. Complaint**
Customer having problems getting information on our channels and rates. Wants Fox FX and Fox SportsChannel.
Resolution
A Channel line-up with rates was sent to the customer. She was informed that we were evaluating the addition of the Fox channels, and added to our in-house request list.
- 13. Complaint**
Comcast missed three appointments to install service. First time the rental office was closed and the tech couldn't gain access, the same excuse was given for the next two appointments. Customer scheduled appointments when the rental office was open.
Resolution
Customer was installed at his convenience on a Saturday. We also credited him for three missed installs. Customer was satisfied.
- 14. Complaint**
Customer complained about change in the billing cycle. Wanted his original billing cycle back.
Resolution
Customer's cycle was changed to accommodate his needs.
- 15. Complaint**
Customer downgraded to limited basic and returned converter boxes to the office. One box rental charge continued to be billed a monthly fee.
Resolution
A fourth box was on the account. It was removed and credited back to when the three boxes were returned. Customer satisfied
- 16. Complaint**
Customer was installed with basic service, only wanted limited basic. Refuses to pay the bill.
Resolution
Customer was moved to limited basic and credit was issued to his account.

17. **Complaint**
Customer was disconnected in error, and it took three calls to the office to get it reconnected.
Resolution
A letter of apology was sent to the customer
18. **Complaint**
Customer stated that they received an unidentified telephone call asking if they were going to be home. A technician showed up to install service. The tech told the customer it was free for one month and could be cancelled if the customer was not satisfied. Customer took the service but cancelled within the month's period. Wanted a complete credit.
Resolution
Services were removed, boxes picked up and full credit issued to the customer account. Customer was satisfied.
18. **Complaint**
Customer was being billed full price for Internet service when he claims he was under a \$1.00 promotion. He disconnected the service at the end of the promotion.
Resolution
On line issued the requested credits. Customer was satisfied.
19. **Complaint**
Customer claims they requested disconnection in the prior month. No disconnect request had been processed. Wanted service stopped and credit issued to their account
Resolution
Disconnection was completed, and credit issued back to customers request date. Customer was satisfied.
20. **Complaint**
Customer complaining about programming. Wants FX
Resolution
Notified customer that FX was slated to be added on June 30, 2001
21. **Complaint**
Customer complained about channels 12 & 13 poor reception in the evenings. Wanted more community oriented programming on channel 10 and less commercials.
Resolution
Customer did not want a service call for the channel 12 & 13 picture quality problem. Said it was only intermittent. Customer wanted a twenty-four hour community channel. Explained that this was not economically feasible.
22. **Complaint**
Customer complained of excessive volume increases between regular programming and advertisements.
Resolution
Headend re-balanced all the cable channels. Customer satisfied.
23. **Complaint**
Wants Comcast to resume carriage of Nascar races on FX.
Resolution
Informed him that we were launching FX on June 30, 2001. He was happy with the addition, but really wanted it before the end of the Nascar season.
24. **Complaint**
Lack of customer service and response from Comcast regarding request for cable installation
Resolution

- Construction and installation completed within 5 days of complaint. Credits issued for inconvenience. Customer is satisfied.
25. **Complaint**
Cable pedestal box cover broken five months earlier in accident. No response from Comcast. Cable reception is affected when it rains.
Resolution
Construction visited the site to evaluate extent of repairs required. Next day pedestal replacement and all ancillary work was completed. Confirmed with customer. Customer is satisfied.
26. **Complaint**
Telemarketing misled the customer on the cost of digital service. Said it would be less than what they were paying for analog.
Resolution
Reviewed the telemarketing tape, but could not find anything to substantiate his claim. Apologized to customer, removed digital services and issued him credit.
27. **Complaint**
Customer could not get through to Customer Service to downgrade to limited basic.
Resolution
Downgraded customer to limited basic. Issued him credit back to his original request date.
28. **Complaint**
Customer pays bills six months in advance. Paid to the end of the year but received a statement saying he owed additional fees.
Resolution
In the conversion of Internet billing onto the cable bills a large balance for Internet was brought over. Internet service agreed to waive this and the credit was applied to the customers account.,
29. **Complaint**
Customer was charged late fee for the last two months. Could not get through on the phones to resolve the problem.
Resolution
The customer was contacted and issued credit for the late fees. Customer was satisfied.
30. **Complaint**
Customer complaint about cable bills being sent late. Got bill the end of June with due date of three days before actually receiving bill. Next day received a past due notice.
Resolution
June bills were sent late as we transitioned over to the new billing format. Explained to customer and also told her that we had received prior months payment, to disregard past due notice. Bill and notice crossed in the mail with payment.
31. **Complaint**
Customer could not get through on phone. Received cable bill with past due notice but had sent in payments
Resolution
Payments were received but crossed in the mail with the bill. Balance zero. Explained to customer, she's satisfied.
32. **Complaint**
Customer received a late fee that he didn't feel was justified.
Resolution
Issued late fee credit. Customer was satisfied.

33. **Complaint**
Customer subscribed to digital cable. Ten days later called to cancel but received two bills with digital charges. Wants complete credit under the thirty day money back guarantee.
Resolution
Customer could not make original cancellation date, which because of timing triggered the two months of bills. Explained to customer. All credits were issued. Customer is satisfied.
34. **Complaint**
Customer received bill late, want late fee waived.
Resolution
Late fee waived as requested. Customer is satisfied.
35. **Complaint**
Customer can't get through to Customer Service. Wants to discuss converter box issue.
Resolution
Customer lost analog box. Arranged for account to be charged. Explained high call volumes, and apologized. Customer is satisfied.
36. **Complaint**
Customer had problem with digital service. Some of the channels scrambling. Technician repaired but problem came back. Wants credit for time he didn't have additional channels.
Resolution
Digital problem fixed. Credit issued for downtime on additional channels. Customer is satisfied.
37. **Complaint**
Customer complained about Comcast preempting CNN Headline News for commercials.
Resolution
Explained to customer that the preemption's were at the top and bottom of the hour for 5 minutes when CNN aired their summary of what's will be covered in the half hour. That they are not commercials but community oriented interviews from VIP's and non-profits within the City. Customer understood, but still didn't like it.
38. **Complaint**
Customer moved and requested disconnection of service. Continues to get bills.
Resolution
We could find no record of his request, but we processed the disconnect and issued credit back to his requested disconnection date.
39. **Complaint**
Customer is a foreign diplomat. States that under U.S. law he is not required to pay taxes and fees on his cable and telephone service. Wants credits issued.
Resolution
Confirmed with the legal department that he is not exempt from cable and phone fees and taxes. Explained to customer.
40. **Complaint**
Commercials were cutting into Style Channels programming
Resolution
Engineers rebalance commercial insertions for channel 74. Customer is satisfied.
41. **Complaint**
Customer is experiencing signal quality problems. Has Internet and four TV's. Want problem fixed.
Resolution
Required the addition of a house amplifier to reach all services in three story home.

42. **Complaint**
Customer receiving bills with late fees. Wants them credited. Wants to disconnect service.
Resolution
Issued late fee credits, and disconnected service as requested.
43. **Complaint**
Customers cable was down for three days. Wants it fixed.
Resolution
Customer had blue screen. Tried to talk him through it over the phone. Sent out a service tech to re-set TV. Customer is satisfied.
44. **Complaint**
Customer can not get through on the phones. Received cable bill and it does not reflect last payment. Doesn't like the new billing format
Resolution
Explained that payment and bill had crossed in the mail. Explained new format. Customer is satisfied.
45. **Complaint**
Customer experiencing intermittent picture quality problems. Can't get through on the phones to report it.
Resolution
Customer refused to speak with Comcast. We scheduled a service call. Customer allowed tech access to the premise to fix problem.
46. **Complaint**
Customer has had ongoing picture quality problem. Wants it resolved.
Resolution
Fiber was damaged. Had to rerun and splice new fiber. Customer is satisfied.
47. **Complaint**
Comcast left cable line on his property on top of lawn. Over the past two weeks Comcast has torn up his lawn in the process of installing cable lines to the development.
Resolution
Construction buried the line. Construction Manager worked with customer on landscaping and restoration of his lawn.
48. **Complaint**
Customer frustrated over late mailing of bills and then due date prior to receipt of bill. Wanted to register his frustration over the new billing process
Resolution
A letter of apology was sent to the customer
49. **Complaint**
Customer wanted to order pay per view sports package on an individual game basis. Cox set-up their service that way.
Resolution
Explained to customer that it was only sold as a package in the Comcast systems. But in future, we would look at it as an option if possible.
50. **Complaint**
Comcast telephone lines are always busy. Have been trying to get through all morning.
Resolution
We were experiencing phone problems. Verizon and Siemens were working on it. Order has been placed for additional trunks

51. **Complaint**
Customer received first telephone bill that was sent out separate from the cable bill. Wanted an explanation on the balance due thought he'd paid it, and why the bills had been separated.
Resolution
Notice was sent to all the telephone customers of this split. Customer did not realize that last payment was for cable only. Explained both cable and telephone bill to the customer. Customer is satisfied.
52. **Complaint**
Customer received bill late with a payment due date of three days prior. Customer Service Rep told him he would be assessed a late fee.
Resolution
Apologized to the customer for the late bill and misinformation from the Rep. No late fee was assessed.
53. **Complaint**
Customer had been having billing and service problems with Internet and cable since installed. Never received any bills, wants detailed explanation. Wants intermittent service problem fixed.
Resolution
Service tech was sent to repair cable and Internet. Credits were issued for down time. Mailing address was re-verified, and detail of billing sent to customer.
54. **Complaint**
Comcast failed to show twice for cable installation.
Resolution
Tech didn't get to customers house for second service call till close to the end of the window. Service was installed. Credit issued for first missed appointment. Customer is satisfied.
55. **Complaint**
Customer had been trying to have a converter box replaced. Scheduled several appointments. We were in the building but never showed up at her unit, second time came too early. It was outside the agreed window. Want converter replace and credit issued for downtime.
Resolution
Another appointment was set-up at customers convenience. Box was changed out. Credit for downtime was issued. Customer was satisfied.
56. **Complaint**
Customer has had poor reception, fuzzy pictures for over a year. Digital service did not fix the problem. We had been issuing credits but he wants the problem fixed. Comcast has been a no show multiple times.
Resolution
Sent maintenance crew out to repair picture quality problem. In the past we have sent numerous tech out to make repairs. Customer would not allow access to the residence. Customer has agreed that problem has been resolved.
57. **Complaint**
Customer received his July bill latte and wants the latte fee credited. Also complained about a missed appointment earlier in the year.
Resolution
The late fee credit was issued, as well as a credit for a missed appointment.
58. **Complaint**
Customer complained about cable bill process and late fees being assessed.
Resolution
Explained the billing conversion and the reason for the delayed bills. Late fee was credited.

59. **Complaint**
Received cable bill late with due date already passed. Made payment but neither payment nor late fee credit which was promised appeared on his next bill.
Resolution
Explained the change in the billing format/conversion delayed the delivery of bills. Both payment and late fee credit and been applied to the account. But it was after the close of the billing cycle. Customer is satisfied.
60. **Complaint**
Customer reported intermittent poor reception. Comcast was out to repair last week, but the problem has come back. Wants to ensure that we have a tech out today.
Resolution
Technician was dispatched. He replaced a defective motherboard. Clear service has been restored. Customer is satisfied.
61. **Complaint**
Customer had a safety concern over cable left exposed on her patio and back lawn into the public walkway. Wants cable buried under gravel walkway.
Resolution
Construction buried the temp down. Customer is satisfied.
62. **Complaint**
Customer reported cable wire laying in the street. Wants cable removed.
Resolution
Construction went out, but could not locate any cable.
63. **Complaint**
Customer reported Comcast overcharged her for cable service. Last statement she received had a balance due, she mailed a check and later realized that all her bills had been paid. Wanted refund.
Resolution
Customer paid current charges on latest bill. Bill also reflected a past due balance from a payment that had crossed in the mail. Explained to customer that her balance was currently zeroed.
64. **Complaint**
Missed installation appointment. Customer does not want cable service. Wants to register a formal complaint about poor customer service.
Resolution
Apologized to the customer, but she was no longer interested in the service.
65. **Complaint**
Customer received bill late and payment due date was prior to receipt. Went to the Comcast Administrative Offices and was treated very rudely by receptionist. Wanted a billing explanation and response to rude employee.
Resolution
Explanation of late bill due to conversion/new billing format was given to customer. Disciplinary action was addressed with the rude employee. Customer is satisfied.
66. **Complaint**
Customer disconnected service. At time of disconnect a refund was due. Has waited three months and still not seen refund. Wants a written explanation of Comcast's refund procedures.
Resolution
Explained to customer that there was still an unreturned converter box on the account. This box needed to be returned before the refund could be generated. A month later the customer returned the box and a refund was sent out.

67. **Complaint**
Customer received a past due bill. Had made payment. Wants late fee credited.
Resolution
Explained that payment had crossed in the mail with the bill. Credit issued for late fee. Customer is satisfied.
68. **Complaint**
Customer reported service outage over the weekend. Was told he'd have to wait until Monday for resolution. Intermittently down four days. Wanted service restored and credit for downtime issued to account.
Resolution
This was the node affected by the defective motherboard. Tech replace and service was restored. Credit issued for downtime. Customer is satisfied.
69. **Complaint**
Missed appointment for cable installation. Customer upset that we did not complete the install. Is not satisfied with reschedule date. Wanted a date sooner.
Resolution
Tech could not access complex. Reschedule date was brought forward and completed. On time service guarantee credit issued. Customer is satisfied.
70. **Complaint**
Customer received his bill late. Called the Customer Service Department and told he had additional time to pay, and that he would not be assessed a late fee. Received next months bill which had a late fee and no payment applied.
Resolution
Explanation to the customer that the payment crossed in the mail with the bill, and that the late fee would be credited to his account. Letter sent explaining his billing cycle and due dates. Customer is satisfied.
71. **Complaint**
Customer received bill late, with a due date prior to receipt. Paid bill, but following month's bill did not reflect a payment, and had a late fee assessed.
Resolution
Explanation to customer that the payment and the bill crossed in the mail and the late fee had been credited to his account. Customer is satisfied.
72. **Complaint**
Customer concerned about Comcast not resolving their billing problems. Afraid our errors will affect his credit rating.
Resolution
Credited late fee on bill. Explained to customer about bill format change/conversion. Also assured him that we do not report our active customers to a credit bureau.
73. **Complaint**
Customer responded to advertising of one month free digital cable service and next two months at \$6.95. First month's bill okay, second month was charged full price. Feels that the company is using false advertising and bait & switch tactics.
Resolution
A letter of apology was sent to the customer. Explained that billing was skewed because of the conversion. Appropriate credits were applied to the account. Customer is satisfied.
74. **Complaint**
Customer has weak signal at his home. Techs have been out over the last three weeks but problem persists. Had another trouble call scheduled but tech showed up without calling his office for the customer to meet tech. Wants problem resolved immediately.

Resolution

Tech was dispatched to meet customer at his convenience. Weak signal repaired.

75. Complaint

Customer called about abandoned cable barrels at intersection of N. Howard and W. Braddock Rd. construction equipment had been there for more than four months. Dangerous and unsightly. Wants it removed.

Resolution

Construction confirmed that we were doing no work at this location. Visited site and determined it was Dominion Power property.

76. Complaint

Customer was not able to get through to Customer Service to disconnect service. Moved out of residence. Wanted disconnect processed and bill stopped effective their move-out date.

Resolution

Disconnect completed. Credit issued back to move-out date. Customer is satisfied.

77. Complaint

Customer stated that we had placed cable marking for construction on her property without permission. Refusing any permission. Wanted any worked stopped.

Resolution

Construction confirmed that we were not doing work in the area. Visited site and determined that it was Dominion Power. Relayed this to the customer.

78. Complaint

Customer experiencing poor signal quality for the last three to four weeks. Techs come out, fix it, but it keeps coming back. Wants Comcast to provide good signal quality.

Resolution

Customer contacted City same day to say problem had cleared up. Left a message with customer to call office immediately if it begins to re-occur.

79. Complaint

Customer states that underground vaults are a health hazard, a breeding ground for mosquitoes. Wanted vaults removed and replaced with above ground pedestals.

Resolution

The City of Alexandria Department of Health investigated and determined that the underground vault was not a breeding ground for mosquitoes,, and therefore not a health issues to the residents.

80. Complaint

Customer reported false advertising. Said telemarketer promised her one month free digital service plus one premium channel if she tried digital service. When tech went out to install there was no premium service on order. Felt she was misled.

Resolution

Customer cancelled digital service. Although we have never made this promotional offer through any sources, we extended the free month of digital and one premium channels to customer. She was not interested.

81. Complaint

Ongoing picture quality problems for the past year. Customer refuses to pay for service. Wanted a letter from Comcast stating we had done all we could to resolve the problem.

Resolution

We have tried repeatedly to work with this customer. He doesn't show for appointments, channels he claims he's having poor reception on keep changing. This resolution is still pending.

82. Complaint

Customer is trying to get cable service installed. We've been out three times and have not yet completed the work.

Resolution

This is first time customer in Park Fairfax. The cable lines have to be pulled by Park Fairfax because of asbestos. Re-coordinated with them to meet tech on the job. Installation was completed. Customer is satisfied.

83. Complaint

Poor picture quality at residence. Interference on third floor TV. Main floor has a problem with channel 4 line on right side of screen.

Resolution

Third floor TV is not properly shielded. Picking up interference from the airwave. Show customer that use of VCR clears up problem. Working on main floor problem. Customer is satisfied with response.

84. Complaint

Customer received bill late, wanted late fee waived

Resolution

Late fee was credited to the account.

85. Complaint

Customer had been trying to reach Customer Service for the last two days, was put on hold for twelve minutes and had to hang up. Called later and as placed on hold for fifteen minutes then disconnected. Tried again and all lines were busy.

Resolution

Customer was trying to get non pay disconnect cancelled. Although we had no payment on the account, which was the reason for the long hold times, we restarted her services.

86. Complaint

Customer disputing late fee. Wants it removed from their account. Upset that they had to write twice to get it cleared up.

Resolution

Credit of late fee was issued within two days of the date of the first letter. However, this was after the generation of the next months bill.

87. Complaint

Customer had poor reception problems on all five sets. Feels they were being treated very rudely by customer service reps. Wants the problems resolved.

Resolution

Addition of fifth and then sixth set was causing the poor reception problem because it was overdrawing the system. Tech added amplifier, picture quality problems fixed. Customer Service Manager was informed of the conduct of the Customer Service Reps and followed up with the individuals.

Deloitte & Touche LLP
Twenty-Second Floor
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Philadelphia, Pennsylvania 19103-3984

Tel: (215) 246-2300
Fax: (215) 569-2441
www.us.deloitte.com

**Deloitte
& Touche**

INDEPENDENT AUDITORS' REPORT

Board of Directors and Stockholder
Comcast Cablevision of Virginia, Inc.
Philadelphia, Pennsylvania

We have audited the accompanying schedule of gross revenues, as defined in the Cable Franchise Agreement dated June 18, 1994 (the "Agreement"), of Comcast Cablevision of Virginia, Inc. for the franchise area of the City of Alexandria, Virginia (the "Schedule") for the year ended December 31, 2000. The Schedule is the responsibility of the Company's management. Our responsibility is to express an opinion on the Schedule based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the Schedule is free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the Schedule. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall Schedule presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, such Schedule presents fairly, in all material respects, the gross revenues, as defined in the Agreement referred to above, of Comcast Cablevision of Virginia, Inc. for the franchise area described above for the year ended December 31, 2000.

This report is intended solely for the information and use of the Board of Directors and Stockholder of Comcast Cablevision of Virginia, Inc. and the City of Alexandria, Virginia and is not intended to be and should not be used by anyone other than these specified parties.

Deloitte & Touche LLP

April 5, 2001

COMCAST CABLEVISION OF VIRGINIA, INC.

**SCHEDULE OF GROSS REVENUES
CITY OF ALEXANDRIA
YEAR ENDED DECEMBER 31, 2000**

GROSS REVENUES

\$28,627,344



2001 ANNUAL REPORT

FINANCIAL REPORTS

BALANCE SHEET

INCOME STATEMENT

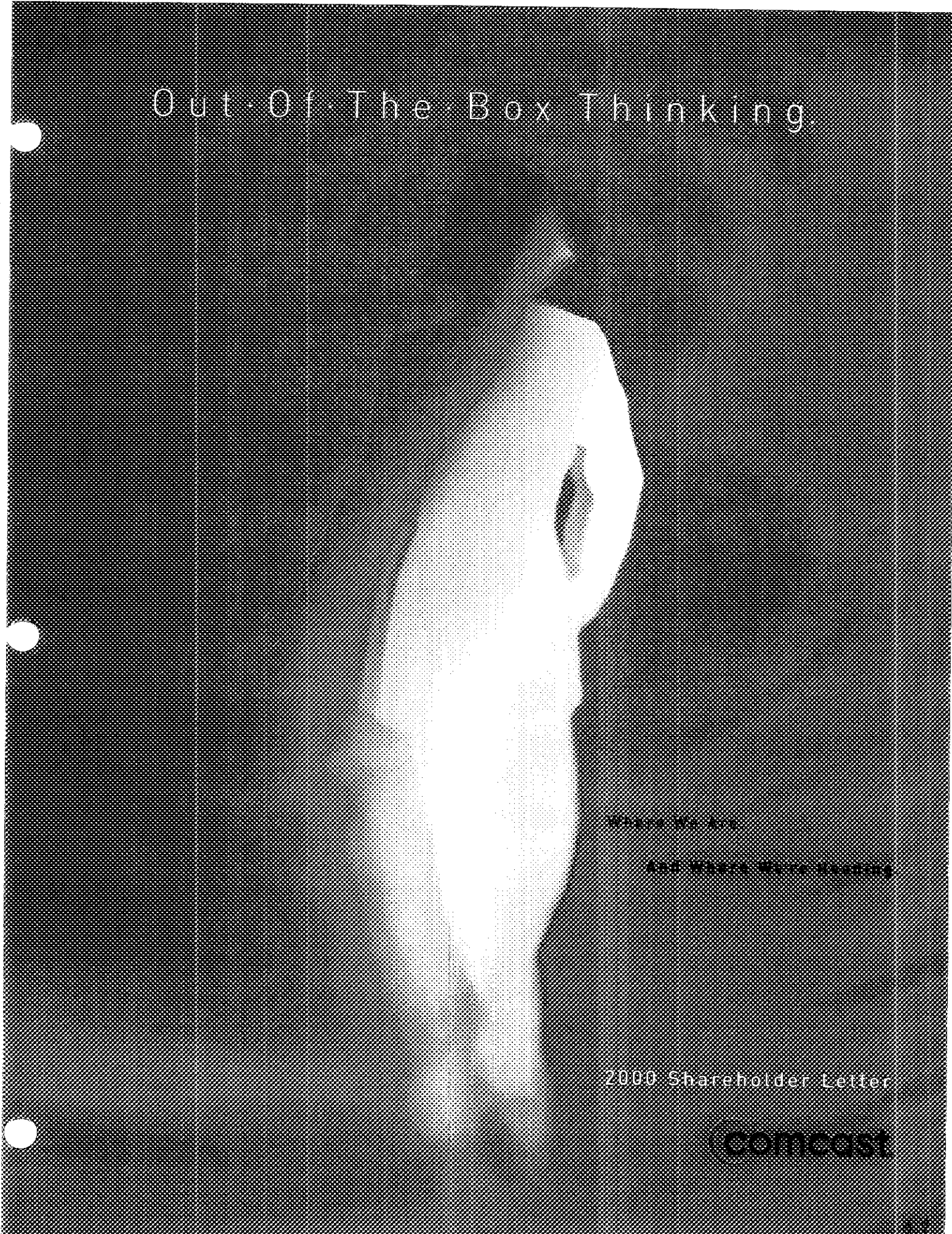
LETTER TO THE SHAREHOLDERS

FINANCIAL REPORT

10-K

AUGUST 30, 2001

Out Of The Box Thinking.



Where We Are.

And Where We're Heading.

2000 Shareholder Letter

comcast

Financial Highlights

Comcast Corporation and Subsidiaries

(Dollars in millions)	2000	1999
Revenues	\$8,218.6	\$6,529.2
Operating cash flow	2,470.3	1,880.0
Net income	2,021.5	1,065.7
Cash and short-term investments	3,711.2	8,528.2
Total assets	35,744.5	28,685.6
Long-term debt	10,517.4	8,707.2

This report provides basic financial information on our Company in a condensed format. Comprehensive financial reporting is contained in Comcast's 2000 Financial Report, in our Annual Report on Form 10-K and in our Proxy Statement. We invite you to refer to those documents for a more detailed discussion of our performance.

This letter may contain forward-looking statements. Readers are cautioned that such forward-looking statements involve risks and uncertainties that could significantly affect actual results from those expressed in any such forward-looking statements. Readers are directed to Comcast's Annual Report on Form 10-K for a description of such risks and uncertainties.

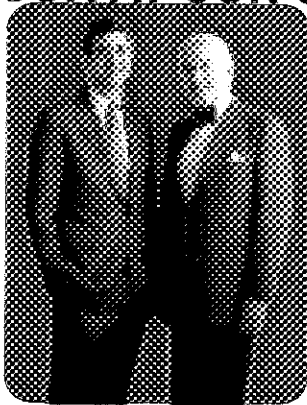
At Comcast, out-of-the-box thinking
is our credo for success.

Staying ahead in our business requires strategy, innovation, execution and, most important, out-of-the-box thinking. Driven by such thinking, Comcast is seeking new opportunities while tapping the great potential of our cable, commerce and content platforms.

Among Comcast's operating highlights for 2000:

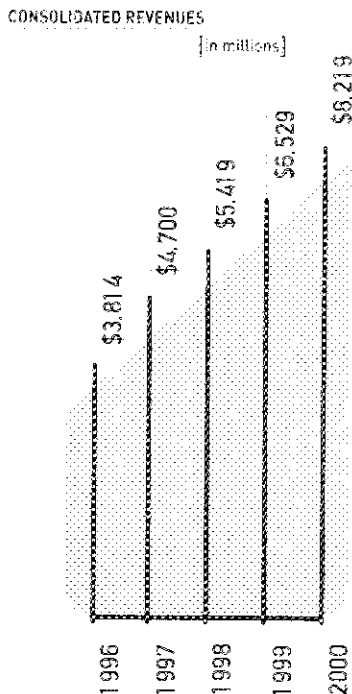
- **Comcast Cable Named "2000 Operator of the Year" by Cablevision Magazine**
- **Comcast Cable Systems Rapidly Upgraded to Carry a Host of New Products**
- **Nearly Two Million New Cable Customers Joined the Comcast Family**
- **QVC Reached \$1 Billion in Sales in 78 Days During the Fourth Quarter**
- **E! Entertainment and E! Online Broke All Previous Audience Records**
- **Comcast-Branded Original Programming Reached More Customers Than Ever**
- **Comcast Achieved the Strongest Balance Sheet in its History**

AN INSIDE LOOK AT OUR OUT-OF-THE-BOX THINKING



Dear Fellow Shareholders and Friends:

By thinking out of the box, we made the year 2000 the best in Comcast's history.



We became a new-products company, using our state-of-the-art broadband cable networks to bring our customers an unprecedented range of services. At the same time, we acquired new systems, expanded old ones and swapped others to create large system clusters for more efficient operations.

As a result, our consolidated revenues increased 25.9% to \$8.219 billion and consolidated operating cash flow increased 31.4% to \$2.470 billion—our sixth straight year of double-digit growth.

Our financial position has never been stronger. During the year and in early 2001, we successfully accessed the capital markets to extend the average maturity of Comcast's debt and reduce our borrowing costs. This financial strength enables us to fund growth opportunities in each of our businesses and to invest in new initiatives that we believe will increase shareholder value.

But the best is yet to come—so step out of the box with us. It's the best way to see the future we're building.

A WELL-DEFINED CUSTOMER FOOTPRINT

Comcast's broadband cable network now provides more than a single recurring cable revenue stream. It's a springboard to launch new products and generate new revenues. Pro forma cable division revenues continued to rise in 2000, up 8.9% to \$4.336 billion; over the same period, pro forma operating cash flow increased 10.2% to \$1.957 billion.

In 2000, we welcomed almost two million new customers to Comcast, primarily through acquisitions. When a pending transaction with AT&T is completed in the first half of 2001, we will have nearly doubled our customer base from 4.5 million to 8.4 million in just two years.

Our footprint is now concentrated in geographic clusters to facilitate the roll-out of the exciting new products that drive the digital revolution. Approximately 85% of Comcast's customers will reside in six regions, each with more than 200,000 customers. The largest of these regions, our Mid-Atlantic Super Cluster, contains more than half of our total customer base. Clustering allows us to reach our customers effectively—with new products, customer service and advertising.

DIGITAL IS THE KEY FOR THE FUTURE

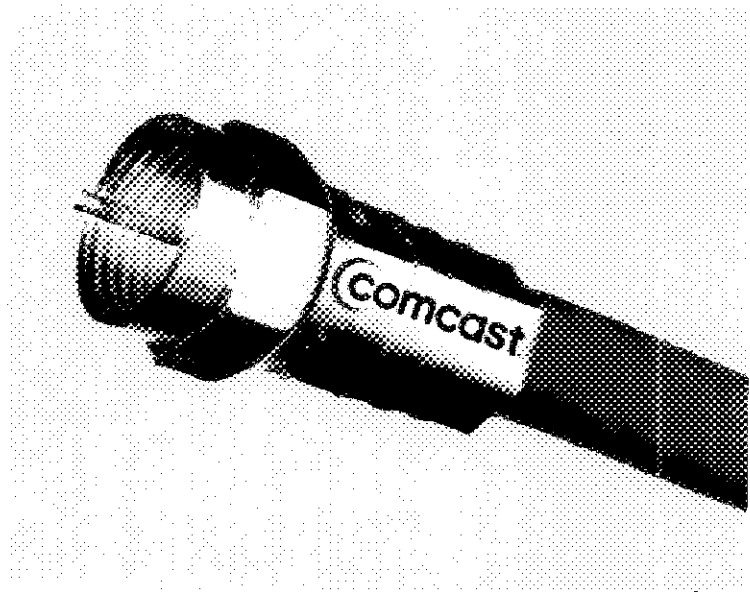
Comcast is providing our customers with new connections to entertainment, shopping, sports and information.

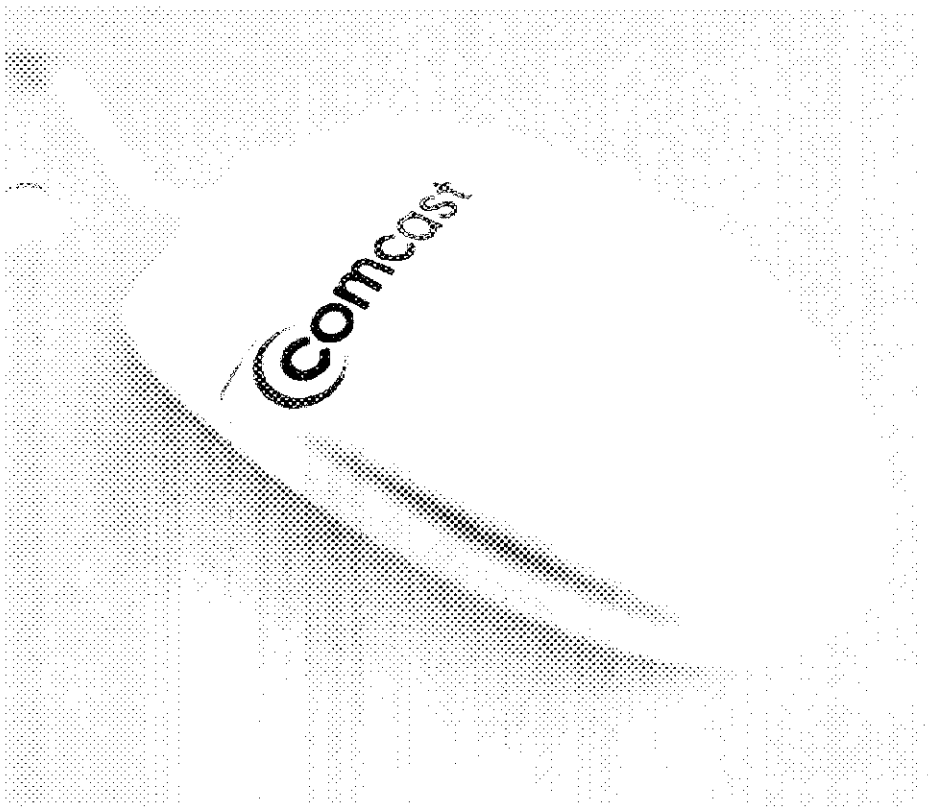
We're rebuilding our cable systems faster than ever. By the end of 2000, 86% of Comcast's cable systems had at least 550MHz of capacity (80 analog channels), and 70% had at least

750MHz of capacity (110 analog channels). By the end of 2001, 95% of our systems are expected to have at least 550MHz of capacity and 86% should have at least 750MHz of capacity. In markets where we have completed our upgrades, capital expenditures are declining and we're rolling out Digital Cable and Comcast@Home high-speed Internet service.

Comcast Digital Cable offers customers additional programming and a growing channel lineup. We added 839,000 Digital Cable subscriptions to end the year with 1.35 million digital boxes deployed. We enhanced our Digital Cable lineup with the introduction of Comcast Digital Plus in August. This service delivers up to 286 channels with more movie channels than competing services. Ninety-five percent of our cable customers have access to our Digital Cable services.

The number of Comcast@Home high-speed Internet customers increased by 258,000 last year, resulting in 400,000 homes accessing the broadband highway with Comcast@Home. We intend to nearly double our customer base in 2001.





Out of the box:

Comcast partnered with a Maryland bank for a special offer to introduce new customers to the Comcast@Home high-speed Internet service and online banking. Our transformation into a new-products company offers new opportunities to market the Comcast brand and drive the growth of our new products.

To continue to drive growth, we implemented a highly successful retail sales and marketing effort for Comcast@Home. The number of retail outlets demonstrating and selling this service increased from 35 to 600 by year-end and is still growing rapidly. By the end of 2000, Comcast@Home was available to nearly 6.4 million homes, and by the end of 2001, we plan to extend its availability to approximately 10 million homes.

Our success with Digital Cable and Comcast@Home high-speed Internet service paves the way for even more innovation. The Digital Cable boxes we're installing in homes today will also provide the products—and new revenues—of tomorrow. Video-on-demand is now being tested in four markets, and we expect to have this new service available to 500,000 digital boxes in multiple markets by the end of 2001. Other new products

we're evaluating include personal video recording, interactive television, IP telephony, t-commerce and more.

In February 2001, we launched Comcast Business Communications (CBC). Through CBC we are leveraging our existing cable network to offer an integrated bundle of broadband Internet, data and voice services to small- and medium-sized businesses in eight of our key markets.

A Comcast-networked home or office is now on the horizon—as future needs develop, Comcast will be there with new technology and new products.

THINKING OUT OF THE BOX TO CREATE AN ELECTRONIC RETAILING POWERHOUSE

QVC continues to define retailing success with its television and Internet direct retail operations. In 2000, QVC's consolidated revenues increased 11.6% to \$3.536 billion, and consolidated operating cash flow increased 14.9% to \$619.2 million.

Out of the box:

In July 2000, QVC opened a retail store in the Mall of America. QVC's retail and influence-marketing presence in the busiest mall in the country provides a high-visibility opportunity to build QVC's brand, demonstrates the breadth and quality of products available, and presents a compelling reason to become a QVC shopper.

The televised shopping service broadcasts live, 24 hours a day, 7 days a week. QVC is available to almost 110 million homes in the U.S., United Kingdom and Germany. Each week QVC offers an average of 250 new products, and each week approximately 40,000 shoppers make their first QVC purchase.

With its ever-changing mix of products, QVC builds consumer demand, and iQVC, QVC's online interactive retailing service, harnesses the power of the Internet to meet the great variety of that demand by offering approximately 100,000 products.

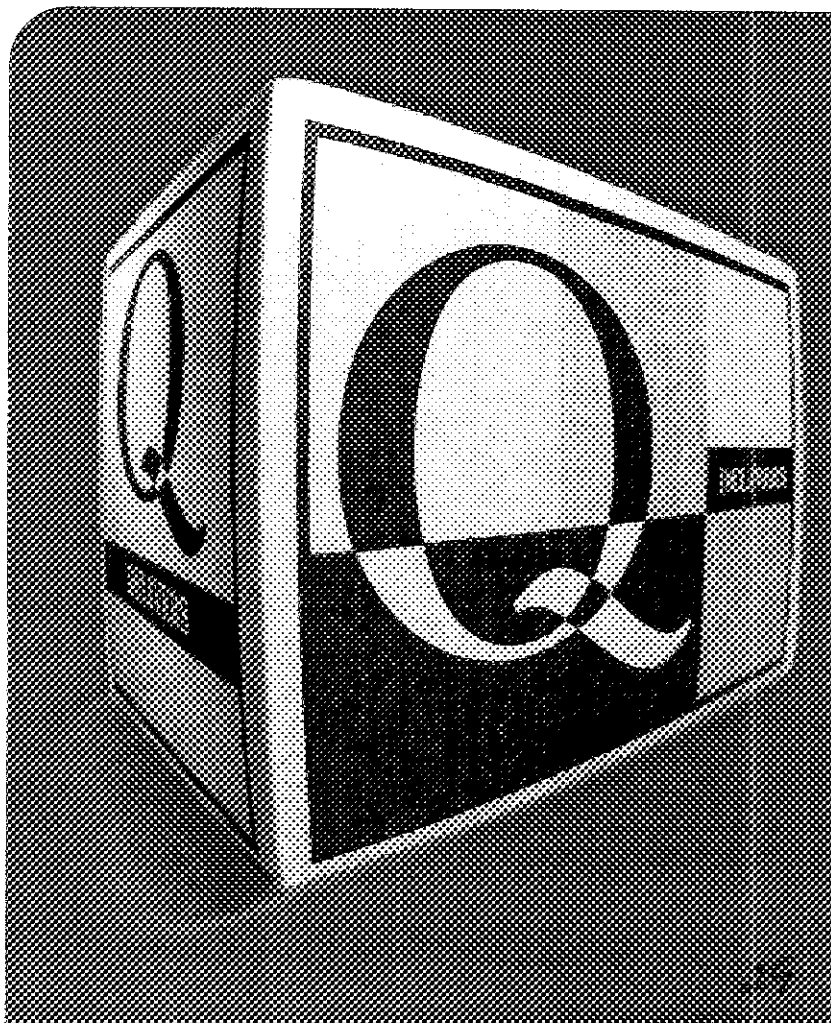
High marks from our customers reflect the success we've had in capitalizing on the potential of the Internet. QVC was ranked #1 in online general merchandising by Forrester's PowerRankings™ in August 2000 and January 2001.

In addition to the products QVC sells, we're creating high-value, long-lasting relationships with our customers. QVC is proving that such relationships can build an electronic retailing powerhouse, yielding growing financial returns.

Because QVC's appeal translates well into many languages, we launched QVC-Japan on April 1, 2001.

CONTENT THAT SETS THE PACE

Comcast's programming assets are now among our fastest growing businesses. From Hollywood to the fashion world to the playing field, we are seizing new opportunities.





E! Networks has become one of the leading cable networks in affluent demographics (adults 18 to 49), generating revenues of \$268.0 million in 2000, up 23.6% over 1999 and more than double its revenue of just three years ago. Distribution of its flagship network, E! Entertainment Television, increased from 59 to 67 million homes in 2000. E! Networks launched the **style.** network just over two years ago and increased its distribution last year by 66% to 10 million homes. **style.** should reach nearly 40 million homes by 2004, when existing carriage agreements are fully implemented.

We increased our stake in The Golf Channel from 40.1% to 60.3% in 2000, and distribution grew from 30 to 37 million homes. As the popularity of golf sweeps the nation, The Golf Channel is the

destination on television for players and fans of the game.

Comcast SportsNet, our 24-hour regional sports network, enjoys high ratings in over 2.7 million homes in the Philadelphia region, strengthening the Comcast brand. In February 2001, we completed our acquisition of Home Team Sports, a 24-hour regional sports network serving 4.8 million homes in the Baltimore/Washington, DC area. The combination of these networks, rebranded as Comcast SportsNet, provides regional sports coverage to our entire Mid-Atlantic Super Cluster, home to over half of our customers.

Out of the box:

E! leveraged its integrated on-air and online platforms in a promotional partnership with

Universal Pictures for

How the Grinch Stole Christmas, helping E! attract new audiences in 2000.

Through such partnerships,

E! can tap into what's hot and attract

new viewers and new

advertisers with an exclusive mix of

celebrity features, merchandise

and entertainment.

CN8—The Comcast Network, is one of the nation's largest regional cable networks, providing original programming—news, sports and entertainment—to 3.9 million homes in Pennsylvania, New Jersey, Delaware and Maryland. We intend to introduce similar programming in other areas we serve.

OUT OF THE BOX INTO NEW VENTURES

Through our controlling interest in Broadnet, we're licensed to provide bundled broadband wireless services to small- and medium-sized businesses in key markets in nine European nations covering a population of more than 168 million.

Comcast Interactive Capital, our \$350 million venture capital fund, is making strategic

investments in interactive, infrastructure and Internet technologies to harvest future financial returns and to help define new broadband opportunities.

REACHING OUT FOR OUR COMMUNITIES

We reinforce local relationships and inspire deeper loyalties by strengthening the neighborhoods we serve.

We're connecting schools, libraries and community centers to the Internet with free Comcast high-speed connections—over 1,200 benefited from this service at year-end 2000. Last year, the Comcast Foundation provided approximately \$2 million in support of community-based education and literacy initiatives. Thousands of our employees participate in volunteer projects through the Comcast Cares program. Also demonstrating our commitment to connect schools to the Internet, Comcast has a new program to train teachers to use Web content in their curricula. In 2001, the new Comcast Leaders of Tomorrow scholarship program will reward young people who are committed to academics and community service.

As Comcast continues to grow, we use our talents and resources to make a positive social impact. These are intangible but invaluable assets.

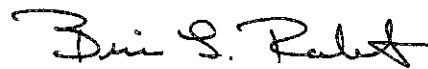
The notion of civic involvement runs deep in our company. Gustave G. Amsterdam, who joined our Board in 1969, was "legendary" in his "breadth of civic commitments" according to The Philadelphia Inquirer editorial that memorialized his passing in February 2001. Gus demonstrated true leadership through his

activities in both business and the community. He was an outstanding Director. For over 30 years he helped us grow. He will indeed be missed.

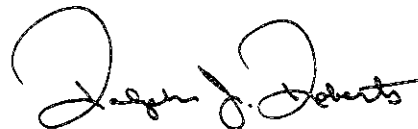
SEE WHERE OUT OF THE BOX TAKES US TOMORROW

Our goal is for customers to look to one dependable, technologically advanced and customer service-oriented company—Comcast—for the entertainment and information they seek. Under the leadership of our experienced and creative management team, Comcast is poised to capitalize on the opportunities of the future.

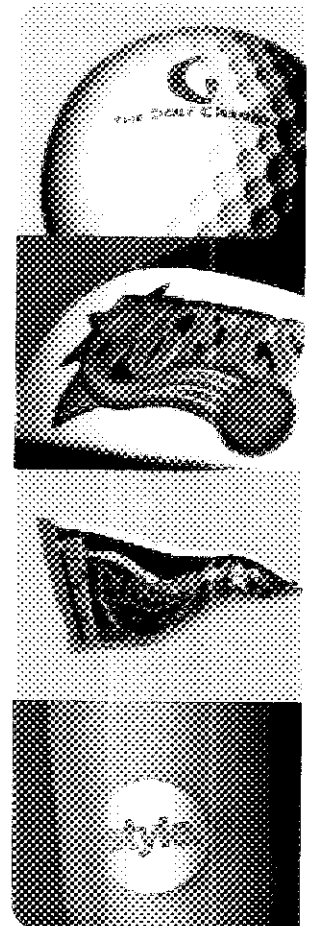
Sincerely,



Brian L. Roberts
President



Ralph J. Roberts
Chairman



Board of Directors

Sheldon M. Bonovitz
Chairman and Partner
Duane, Morris & Heckscher LLP
Attorneys

Julian A. Brodsky
Vice Chairman

Joseph L. Castle, II
Chairman and
Chief Executive Officer
Castle Energy Corporation

Brian L. Roberts
President

Ralph J. Roberts
Chairman

Felix G. Rohatyn
Senior Counselor
The Council on Foreign Relations

Bernard C. Watson
President of the Board of Trustees
The Barnes Foundation

Irving A. Wechsler
Of Counsel
Wechsler, Wolsh & Associates
Certified Public Accountants

Anne Wexler
Chairman
The Wexler Group
Government Affairs Consulting

Corporate and Division Executives

Ralph J. Roberts
Chairman

Julian A. Brodsky
Vice Chairman
Chairman, Comcast
Interactive Capital

Brian L. Roberts
President

John R. Alchin
Executive Vice President
and Treasurer

Stephen B. Burke
Executive Vice President
President, Comcast Cable

Lawrence S. Smith
Executive Vice President

Stanley L. Wang
Executive Vice President
Law and Administration

Arthur R. Block
Senior Vice President
and General Counsel

Mark A. Coblitz
Senior Vice President
Strategic Planning

Robert S. Pick
Senior Vice President
Corporate Development

Lawrence J. Salva
Senior Vice President
and Chief Accounting Officer

C. Stephen Backstrom
Vice President
Taxation

Amy L. Banse
Vice President
Programming Investments

Karen Dougherty Buchholz
Vice President
Corporate Communications

Joseph F. DiTrollo
Vice President
and Corporate Controller

Martene S. Dooner
Vice President
Investor Relations

William E. Dordetman
Vice President
Finance

Sharon D. Ingram
Vice President
Corporate Human Resources

Kenneth Mikalauskas
Vice President
Finance

William J. Montemarano
Vice President
Internal Audit

Joseph W. Waz, Jr.
Vice President
External Affairs
and Public Policy Counsel

Comcast Cable

Stephen B. Burke
President

Bradley P. Dusto
Executive Vice President
and Chief Technology Officer

Michael S. Tallent
Executive Vice President
Finance and Administration

David N. Watson
Executive Vice President
Marketing and Customer Service

Stephen A. Burch
President
Mid-Atlantic Division

Michael A. Doyle
President
Eastern Division

John H. Ridall
President
Southern Division

David A. Scott
President
Midwestern Division

Thomas A. Hurley
Senior Vice President
Programming

Filemon Lopez
Senior Vice President
and President of Comcast
University

Thomas R. Nathan
Senior Vice President
and General Counsel

Allen R. Peddrick
Senior Vice President
Human Resources

David H. Richardson
Senior Vice President
Finance and Administration

Roger L. Sverdluk
Senior Vice President
Advertising Sales

Sheila Willard
Senior Vice President
Government Affairs

QVC, Inc.

Douglas S. Briggs
President

Robert E. Cadigan, Jr.
Executive Vice President
Programming, Broadcasting
and Marketing

William F. Costello
Executive Vice President
and Chief Financial Officer

Darlene M. Daggett
Executive Vice President
Merchandising / Sales
and Product Planning

Thomas G. Downs
Executive Vice President
Operations and Services

John F. Link
Executive Vice President
and Chief Information Officer

Randy Ronning
Executive Vice President
Affiliate Relations, iQVC
and New Business Development

E! Entertainment Television

Mindy Herman
President
and Chief Executive Officer

Kenneth Bettsteller
Chief Operating Officer

Gregory A. Brannan
Executive Vice President
Programming Content

David T. Cassaro
Executive Vice President
Sales and Distribution

Stephen Croncota
Senior Vice President
Marketing

Steven J. Dolcemaschio
Senior Vice President
Finance and Chief Financial Officer

Comcast-Spectacor

Edward M. Snider
Chairman

Fred A. Shabel
Vice Chairman

Sanford Lipstein
Executive Vice President
Finance and Chief Financial Officer

Philip I. Weinberg
Executive Vice President
and General Counsel

Robert E. Clarke
President and General Manager
Philadelphia Flyers

Pat W. Croce
President
Philadelphia 76ers

Peter A. Luukko
President
Comcast-Spectacor Ventures

Jack L. Williams
President
Comcast Regional Sports Television

Ronald K. Ryan
Executive Vice President
and Chief Operating Officer
Philadelphia Flyers

Comcast Business Communications

Robert M. Keane
President

Broadnet

Rian J. Wren
President

Quarterly Market Information
Comcast Corporation

	Class A Special Common Stock		Class A Common Stock	
	High	Low	High	Low
2000				
First Quarter	\$56%	\$38%	\$51%	\$36%
Second Quarter	44%	29%	41%	29%
Third Quarter	41%	31%	40%	30%
Fourth Quarter	43%	34	43%	33%
1999				
First Quarter	\$38%	\$29%	\$37%	\$28%
Second Quarter	42	29%	39%	28%
Third Quarter	41%	32%	38%	29%
Fourth Quarter	56%	35%	53%	32%

As of December 31, 2000, there were 4,066 record holders of our Class A Special Common Stock, 1,977 record holders of our Class A Common Stock and one record holder of our Class B Common Stock.

Shareholder Information

Nasdaq Trading Symbols:

Class A Special
Common Stock - CMCSK
Class A Common Stock - CMCSA

Shareholder Services

Registered Shareholders

(shares held by you in your name) should address questions concerning change of address, lost stock certificates, consolidation of accounts, transfer of ownership or other stock account matters to our transfer agent, EquiServe Trust Company, N.A.

Transfer Agent:

EquiServe
First Chicago Division
Shareholder Relations
P.O. Box 2500
Jersey City, NJ 07303-2500
Toll free: (888) 883-8903
www.equiserve.com

Internet Account Access

Registered shareholders may also access their accounts via the Internet to obtain share balance, request printable forms and view the current market value of their investment as well as historical stock prices.

To log on to this secure site, go to www.equiserve.com and click on "Account Access." If you have any questions about this service, please call EquiServe at (888) 883-8903.

Beneficial Shareholders

(shares held for you by your broker in the name of the brokerage house) should direct communications on all administrative matters to your stockbroker.

Comcast Investor Relations on the Internet

We invite you to take advantage of our Investor Relations Web site at www.cmcsk.com. Key features include access to financial information, automatic e-mail alerts for financial news, company presentations, and answers to frequently asked questions.

New Toll-Free Comcast Investor Relations Hotline

We invite you to contact our recently expanded hotline to order financial documents, recent financial news releases and additional investor information. Call us toll free at (866) 281-2100.

Availability of Form 10-K

A copy of the Company's Annual Report on Securities and Exchange Commission Form 10-K for the year ended December 31, 2000, is available at our Internet site (www.cmcsk.com) or can be provided to shareholders without charge by contacting our toll-free Investor Relations Hotline: (866) 281-2100. Other printed financial information is also available through this Hotline.

Investor Relations Contact

Investor Relations
Comcast Corporation
1500 Market Street
Philadelphia, PA 19102-2148
Telephone: (215) 981-7537
E-mail: ir@comcast.com
www.cmcsk.com
Toll-free Investor Relations
Hotline: (866) 281-2100

Corporate Information

Corporate Headquarters

1500 Market Street
Philadelphia, PA 19102-2148
Telephone: (215) 665-1700

Comcast on the Internet

Comcast's home on the Internet's World Wide Web provides access to a wide range of information about the Company, its products and services at www.comcast.com.

General Counsel

Wolf, Block, Schorr and
Solis-Cohen LLP
Philadelphia, PA

Communications Counsel

Dow, Lohnes & Atbertson, PLLC
Washington, DC

Special Counsel

Davis, Polk & Wardwell
New York, NY

Auditors

Deloitte & Touche LLP
Philadelphia, PA



1500 Market Street, Philadelphia, PA 19102-2148

215-665-1700

www.comcast.com



2000 Financial Report
Comcast Corporation

**COMCAST CORPORATION
2000 FINANCIAL REPORT
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In this report, "Comcast," "we," "us" and "our" refer to Comcast Corporation and its subsidiaries. You should carefully review the information contained in this report, and in other reports or documents that we file from time to time with the Securities and Exchange Commission. In this report, we state our beliefs of future events and of our future financial performance. In some cases, you can identify those so-called "forward-looking statements" by words such as "may," "will," "should," "expects," "plans," "anticipates," "believes," "estimates," "predicts," "potential," or "continue" or the negative of those words and other comparable words. You should be aware that those statements are only our predictions. Actual events or results may differ materially. In evaluating those statements, you should specifically consider various factors, including the risks outlined below. Those factors may cause our actual results to differ materially from any of our forward-looking statements.

Factors Affecting Future Operations

We have acquired and we anticipate acquiring cable communications systems in new communities in which we do not have established relationships with the

franchising authority, community leaders and cable subscribers. Further, a substantial number of new employees are being and must continue to be integrated into our business practices and operations. Our results of operations may be significantly affected by our ability to efficiently and effectively manage these changes.

In addition, our businesses may be affected by, among other things:

- changes in laws and regulations,
- changes in the competitive environment,
- changes in technology,
- industry consolidation and mergers,
- franchise related matters,
- market conditions that may adversely affect the availability of debt and equity financing for working capital, capital expenditures or other purposes,
- demand for the programming content we distribute or the willingness of other video program distributors to carry our content, and
- general economic conditions.

DESCRIPTION OF BUSINESS

We are principally involved in three lines of business:

- Cable—through the development, management and operation of broadband communications networks,
- Commerce—through QVC, our electronic retailing subsidiary, and
- Content—through our consolidated subsidiaries Comcast Spectacor, Comcast SportsNet and E! Entertainment Television, and through our other programming investments, including The Golf Channel, Speedvision and Outdoor Life.

We are currently the third largest cable operator in the United States and are in the process of deploying digital cable applications and high-speed cable modem service to expand the products available on our cable communications networks.

Our consolidated cable operations served approximately 7.7 million subscribers and passed approximately 12.9 million homes in the United States as of December 31, 2000. We have entered into an

agreement to acquire, subject to receipt of necessary regulatory and other approvals, up to 700,000 cable subscribers from AT&T Corp. Upon completion of this pending transaction, which is expected to close by the end of the second quarter of 2001, we will serve approximately 8.4 million subscribers.

Through QVC, we market a wide variety of products directly to consumers primarily on merchandise-focused television programs. As of December 31, 2000, QVC was available, on a full and part-time basis, to over 77.9 million homes in the United States, over 8.9 million homes in the United Kingdom and over 22.6 million homes in Germany.

We are a Pennsylvania corporation that was organized in 1969. We have our principal executive offices at 1500 Market Street, Philadelphia, PA 19102-2148. Our telephone number is (215) 665-1700. We also have a world wide web site at <http://www.comcast.com>. The information posted on our web site is not incorporated into this report.

BOARD OF DIRECTORS AS OF DECEMBER 31, 2000

Gustave G. Amsterdam
Attorney-at-Law

Sheldon M. Bonovitz
Chairman and Partner
Duane, Morris & Heckscher LLP
Attorneys

Julian A. Brodsky
Vice Chairman
Chairman, Comcast Interactive
Capital

Joseph L. Castle, II
Chairman and
Chief Executive Officer
Castle Energy Corporation

Brian L. Roberts
President

Ralph J. Roberts
Chairman

Bernard C. Watson
President of the Board of Trustees
The Barnes Foundation

Irving A. Wechsler
Of Counsel
Wechsler, Walsh & Associates,
Certified Public Accountants

Anne Wexler
Chairman
The Wexler Group
Government Affairs Consulting

EXECUTIVE OFFICERS AS OF DECEMBER 31, 2000

Ralph J. Roberts
Chairman

Julian A. Brodsky
Vice Chairman

Brian L. Roberts
President

John R. Alchin
Executive Vice President
and Treasurer

Lawrence S. Smith
Executive Vice President

Stanley L. Wang
Executive Vice President - Law
and Administration

Lawrence J. Salva
Senior Vice President
and Chief Accounting Officer

SELECTED FINANCIAL DATA

	Year Ended December 31,				
	2000(1)	1999(1)	1998(1)	1997	1996
	(Dollars in millions, except per share data)				
Statement of Operations Data:					
Revenues (2)	\$8,218.6	\$6,529.2	\$5,419.0	\$4,700.4	\$3,813.8
Operating (loss) income	(161.0)	664.0	557.1	466.6	465.9
Income (loss) from continuing operations before extraordinary items	2,045.1	780.9	1,007.7	(182.9)	(6.4)
Discontinued operations (3)		335.8	(31.4)	(25.6)	(46.1)
Extraordinary items	(23.6)	(51.0)	(4.2)	(30.2)	(1.0)
Net income (loss)	2,021.5	1,065.7	972.1	(238.7)	(53.5)
Basic earnings (loss) for common stockholders per common share (4)					
Income (loss) from continuing operations before extraordinary items	\$2.27	\$1.00	\$1.34	(\$.29)	(\$.01)
Discontinued operations (3)45	(.04)	(.04)	(.10)
Extraordinary items	(.03)	(.07)	(.01)	(.04)	
Net income (loss)	<u>\$2.24</u>	<u>\$1.38</u>	<u>\$1.29</u>	<u>(\$.37)</u>	<u>(\$.11)</u>
Diluted earnings (loss) for common stockholders per common share (4)					
Income (loss) from continuing operations before extraordinary items	\$2.16	\$.95	\$1.25	(\$.29)	(\$.01)
Discontinued operations (3)41	(.03)	(.04)	(.10)
Extraordinary items	(.03)	(.06)	(.01)	(.04)	
Net income (loss)	<u>\$2.13</u>	<u>\$1.30</u>	<u>\$1.21</u>	<u>(\$.37)</u>	<u>(\$.11)</u>
Cash dividends declared per common share (4)			\$.0467	\$.0467	\$.0467
Balance Sheet Data (at year end):					
Total assets	\$35,744.5	\$28,685.6	\$14,710.5	\$11,234.3	\$10,660.4
Working capital (deficit)	1,102.2	4,226.3	2,497.0	13.6	(12.6)
Long-term debt (5)	10,517.4	8,707.2	5,464.2	5,334.1	5,998.3
Stockholders' equity	14,086.4	10,341.3	3,815.3	1,646.5	551.6
Supplementary Financial Data:					
Operating income before depreciation and amortization (6)	\$2,470.3	\$1,880.0	\$1,496.7	\$1,293.1	\$1,047.0
Net cash provided by (used in) (7)					
Operating activities	1,219.3	1,249.4	1,067.7	844.6	644.5
Financing activities	(271.4)	1,341.4	809.2	283.9	(88.0)
Investing activities	(1,218.6)	(2,539.3)	(1,415.3)	(1,045.8)	(749.5)

- (1) You should see "Management's Discussion and Analysis of Financial Condition and Results of Operations" for a discussion of events which affect the comparability of the information reflected in this financial data.
- (2) We have adjusted these amounts in accordance with Emerging Issues Task Force No. 00-10, "Accounting for Shipping and Handling Fees and Costs" (see Note 2 to our consolidated financial statements).
- (3) In July 1999, we sold Comcast Cellular Corporation to SBC Communications, Inc. Comcast Cellular is presented as a discontinued operation for all periods presented (see Note 3 to our consolidated financial statements).
- (4) We have adjusted these for our two-for-one stock split in the form of a 100% stock dividend in May 1999 (see Note 6 to our consolidated financial statements).
- (5) Includes a \$666.0 million adjustment to carrying value at December 31, 1999 (see Note 5 to our consolidated financial statements).
- (6) Operating income before depreciation and amortization is commonly referred to in our businesses as "operating cash flow." Operating cash flow is a measure of a company's ability to generate cash to service its obligations, including debt service obligations, and to finance capital and other expenditures. In part due to the capital intensive nature of our businesses and the resulting significant level of non-cash depreciation and amortization expense, operating cash flow is frequently used as one of the bases for comparing businesses in our industries, although our measure of operating cash flow may not be comparable to similarly titled measures of other companies. Operating cash flow is the primary basis used by our management to measure the operating performance of our businesses. Operating cash flow does not purport to represent net income or net cash provided by operating activities, as those terms are defined under generally accepted accounting principles, and should not be considered as an alternative to those measurements as an indicator of our performance.
- (7) This represents net cash provided by (used in) operating activities, financing activities and investing activities as presented in our consolidated statement of cash flows.

MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

Overview

We have experienced significant growth in recent years through both strategic acquisitions and growth in our existing businesses. We have historically met our cash needs for operations through our cash flows from operating activities. Cash requirements for acquisitions and capital expenditures have been provided through our financing activities and sales of investments, as well as our existing cash, cash equivalents and short-term investments.

We have acquired and we anticipate acquiring cable communications systems in new communities in which we do not have established relationships with the franchising authority, community leaders and cable subscribers. Further, a substantial number of new employees are being and must continue to be integrated into our business practices and operations. Our previously announced cable systems exchanges with AT&T Corp. ("AT&T") and Adelphia Communications ("Adelphia") closed on December 31, 2000 and January 1, 2001, respectively. Our previously announced cable systems acquisition from AT&T, which is subject to customary closing conditions and regulatory approvals, is expected to close by the end of the second quarter of 2001. Our results of operations may be significantly affected by our ability to efficiently and effectively manage these changes.

General Developments of Business

See Note 3 to our consolidated financial statements.

Liquidity and Capital Resources

The cable communications and the electronic retailing industries are experiencing increasing competition and rapid technological changes. Our future results of operations will be affected by our ability to react to changes in the competitive environment and by our ability to implement new technologies. However, we believe that competition and technological changes will not significantly affect our ability to obtain financing.

We believe that we will be able to meet our current and long-term liquidity and capital requirements, including fixed charges, through our cash flows from operating activities, existing cash, cash equivalents and investments, and through available borrowings under our existing credit facilities.

Cash, Cash Equivalents and Short-term Investments

We have traditionally maintained significant levels of cash, cash equivalents and short-term investments to meet our short-term liquidity requirements. Our cash equivalents and short-term investments are recorded at fair value. Cash, cash equivalents and short-term investments as of December 31, 2000 were \$3.711 billion, substantially all of which is unrestricted. See Note 4 to our consolidated financial statements.

Capital Expenditures

During 2001, we expect to incur approximately \$1.65 billion of capital expenditures in our cable, commerce and content businesses, including approximately \$1.45 billion for our cable operations.

Cable

We expect our 2001 cable capital expenditures will include approximately \$550 million for the upgrading and rebuilding of certain of our cable communications systems, approximately \$550 million for the deployment of cable modems, digital converters and new service offerings, and the remainder for recurring capital projects.

The amount of such capital expenditures for years subsequent to 2001 will depend on numerous factors, some of which are beyond our control including:

- competition,
- cable system capacity of newly acquired systems, and
- the timing and rate of deployment of new services.

National manufacturers are the primary source of supplies, equipment and materials utilized in the construction, rebuild and upgrade of our cable communications systems. Costs have increased during recent years and are expected to continue to increase as a result of the need to construct increasingly complex systems, overall demand for labor and other factors. Future increases in such costs may be significant to our financial position, results of operations and liquidity.

Commerce

During 2001, we expect to incur approximately \$150 million for our majority-owned electronic retailing subsidiary, QVC, Inc. ("QVC"), primarily for the

upgrading of QVC's warehousing facilities, distribution facilities and information systems.

New Business Initiatives

During 2001, we expect to incur \$275 million to \$325 million of capital expenditures in our new business initiatives primarily for the construction of our domestic wireline business and the construction of our international wireless operations. The amount of such capital expenditures for 2001 will depend on the timing and rate at which we elect to deploy resources in the targeted service areas.

We anticipate capital expenditures for years subsequent to 2001 will continue to be significant. As of December 31, 2000, we do not have any significant contractual obligations for capital expenditures.

Financing

See Notes 5 and 6 to our consolidated financial statements.

The \$1.587 billion increase in our long-term debt, including current portion, results principally from the \$2.146 billion of aggregate debt that we assumed in connection with our acquisitions of Lenfest Communications, Inc. ("Lenfest") in January 2000 and Prime Communications LLC ("Prime") in August 2000 (see Notes 3 and 5 to our consolidated financial statements), \$107.0 million of borrowings, net of retirements and repayments, and the \$666.0 million reduction to the carrying value of our 2.0% Exchangeable Subordinated Debentures due 2029 (the "ZONES") during the year ended December 31, 2000 (see Note 5 to our consolidated financial statements).

As of December 31, 2000 and 1999, our long-term debt, including current portion, was \$10.811 billion and \$9.225 billion, respectively. Excluding the effects of interest rate risk management instruments, 28.5% and 25.4% of our long-term debt as of December 31, 2000 and 1999, respectively, was at variable rates.

In January 2001, our indirect wholly owned subsidiary, Comcast Cable Communications, Inc. ("Comcast Cable") sold an aggregate of \$1.5 billion of public debt consisting of \$500.0 million of 6.375%

Senior Notes due 2006 and \$1.0 billion of 6.75% Senior Notes due 2011. In January 2001, we issued an additional \$192.8 million principal amount at maturity of our Zero Coupon Convertible Debentures due 2020 (the "Zero Coupon Debentures" - see Note 5 to our consolidated financial statements). We used substantially all of the net proceeds from the offerings to repay a portion of the amounts outstanding under Comcast Cable's commercial paper program and bank credit facility. After giving effect to these subsequent transactions, and excluding the effects of interest rate risk management instruments, 13.5% of our long-term debt was at variable rates.

We have, and may from time to time in the future, depending on certain factors including market conditions, make optional repayments on our debt obligations, which may include open market repurchases of our outstanding public notes and debentures.

Interest Rate Risk Management

We are exposed to the market risk of adverse changes in interest rates. To manage the volatility relating to these exposures, we maintain a mix of fixed and variable rate debt and enter into various derivative transactions pursuant to our policies. Positions are monitored using techniques including market value and sensitivity analyses. We do not hold or issue any derivative financial instruments for trading purposes and are not a party to leveraged instruments. The credit risks associated with our derivative financial instruments are controlled through the evaluation and monitoring of the creditworthiness of the counterparties. Although we may be exposed to losses in the event of nonperformance by the counterparties, we do not expect such losses, if any, to be significant.

Using interest rate exchange agreements ("Swaps"), we agree to exchange, at specified intervals, the difference between fixed and variable interest amounts calculated by reference to an agreed-upon notional principal amount. Interest rate cap agreements ("Caps") are used to lock in a maximum interest rate should variable rates rise, but enable us to otherwise pay lower market rates. Interest rate collar agreements ("Collars") limit our exposure to and benefits from interest rate fluctuations on variable rate debt to within a certain range of rates.

The table set forth below summarizes the fair values and contract terms of financial instruments subject to interest rate risk maintained by us as of December 31, 2000 (dollars in millions):

	Expected Maturity Date						Total	Fair Value at 12/31/00
	2001	2002	2003	2004	2005	Thereafter		
Debt								
Fixed Rate	\$107.9	\$208.6	\$7.9	\$308.6	\$705.9	\$6,386.2	\$7,725.1	\$7,165.3
Average Interest Rate	10.2%	9.6%	8.0%	8.1%	8.3%	5.3%	5.9%	
Variable Rate	\$186.0	\$239.4	\$61.3	\$0.1	\$2,597.6	\$1.8	\$3,086.2	\$3,086.2
Average Interest Rate	6.8%	6.4%	6.4%	7.9%	6.8%	7.9%	6.8%	
Interest Rate Instruments								
Variable to Fixed Swaps	\$197.5	\$143.5	\$36.7				\$377.7	\$3.7
Average Pay Rate	5.5%	4.9%	4.9%				5.2%	
Average Receive Rate	6.4%	6.0%	6.0%				6.2%	
Fixed to Variable Swaps				\$300.0		\$150.0	\$450.0	\$3.2
Average Pay Rate				7.5%		7.9%	7.7%	
Average Receive Rate				8.1%		8.3%	8.2%	

The notional amounts of interest rate instruments, as presented in the table above, are used to measure interest to be paid or received and do not represent the amount of exposure to credit loss. The estimated fair value approximates the proceeds (costs) to settle the outstanding contracts. Interest rates on variable debt are estimated by us using the average implied forward London Interbank Offer Rate ("LIBOR") rates for the year of maturity based on the yield curve in effect at December 31, 2000, plus the borrowing margin in effect for each credit facility at December 31, 2000. Average receive rates on the Variable to Fixed Swaps are estimated by us using the average implied forward LIBOR rates for the year of maturity based on the yield curve in effect at December 31, 2000. While Swaps, Caps and Collars represent an integral part of our interest rate risk management program, their incremental effect on interest expense for the years ended December 31, 2000, 1999 and 1998 was not significant.

Equity Price Risk Management

During the year ended December 31, 1999, we entered into cashless collar agreements (the "Equity Collars") covering \$1.365 billion notional amount of investment securities which were accounted for at fair value. The Equity Collars limit our exposure to and benefits from price fluctuations in the underlying equity securities. The Equity Collars mature between 2001 and 2003. As we have accounted for the Equity Collars as a hedge, changes in the value of the Equity Collars were substantially offset by changes in the value of the underlying investment securities which were also marked-to-market through accumulated other comprehensive income in our consolidated balance sheet.

We adopted Statement of Financial Accounting Standards No. 133, "Accounting for Derivative Instruments and Hedging Activities", as amended, on January 1, 2001, as required by the new statement. We refer you to page 12 for a discussion of the expected impact the adoption of the new statement will have on our consolidated financial position and results of operations.

Statement of Cash Flows

Cash and cash equivalents decreased \$270.7 million as of December 31, 2000 from December 31, 1999. The decrease in cash and cash equivalents resulted from cash flows from operating, financing and investing activities as explained below.

Net cash provided by operating activities from continuing operations amounted to \$1.219 billion for the year ended December 31, 2000 due principally to our operating income before depreciation and amortization (see "Results of Operations"), offset by changes in working capital as a result of the timing of receipts and disbursements and the effects of net interest and current income tax expense.

Net cash used in financing activities from continuing operations, which includes borrowings and repayments of debt, as well as the issuances and repurchases of our equity securities, was \$271.4 million for the year ended December 31, 2000. During the year ended December 31, 2000, we borrowed \$5.435 billion, consisting of \$2.150 billion of borrowings under Comcast Cable's commercial paper program, \$2.283 billion of borrowings under subsidiary revolving lines of credit and \$1.002 billion through the issuance of our \$1.285 billion principal

amount at maturity of Zero Coupon Debentures. During the year ended December 31, 2000, we repaid \$5.357 billion of our long-term debt, consisting primarily of \$3.861 billion of repayments on certain of our revolving credit facilities, \$826.7 million of repayments under Comcast Cable's commercial paper program and \$615.7 million of aggregate repurchases of various of our senior notes and of our senior subordinated debentures. In addition, during the year ended December 31, 2000, we received proceeds of \$30.5 million related to issuances of our common stock and the sale of put options on our common stock, we repurchased \$324.9 million of our common stock, and we incurred \$55.8 million of deferred financing costs.

Net cash used in investing activities from continuing operations was \$1.219 billion for the year ended December 31, 2000. Net cash used in investing activities includes the effects of acquisitions, net of cash acquired, of \$187.3 million, consisting of our acquisition of certain cable communications systems, investments of \$1.011 billion, capital expenditures of \$1.637 billion and additions to deferred charges of \$409.2 million, offset by net proceeds from sales of short-term investments of \$1.028 billion and proceeds from sales of investments of \$997.3 million.

Results of Operations

The effects of our recent acquisitions were to increase our revenues and expenses, resulting in increases in our operating income before depreciation and amortization. The increases in our property and equipment, deferred charges and long-term debt (see Notes 5 and 8 to our consolidated financial statements) and the corresponding increases in depreciation expense, amortization expense and interest expense from 1999 to 2000 and from 1998 to 1999 are primarily due to the effects of our acquisitions of Jones Intercable, Inc. ("Jones Intercable"), Lenfest and Prime in April 1999, January 2000 and August 2000, respectively, as well as our increased levels of capital expenditures.

During 2001, we expect to incur \$110 million to \$150 million of operating losses before depreciation and amortization, primarily in connection with the expansion of our new domestic wireline and international wireless business initiatives. The amount of such operating losses will depend on the timing and rate at which we elect to deploy resources in the targeted service areas.

Our depreciation expense and amortization expense for years subsequent to 2000 will increase significantly as a result of our cable systems exchanges with AT&T and Adelphia which closed on December 31, 2000 and January 1, 2001, respectively.

Our summarized consolidated financial information for the three years ended December 31, 2000 is as follows (dollars in millions, "NM" denotes percentage is not meaningful):

	Year Ended		Increase/(Decrease)	
	December 31,		\$	%
	2000	1999		
Revenues	\$8,218.6	\$6,529.2	\$1,689.4	25.9%
Cost of goods sold from electronic retailing	2,284.9	2,060.0	224.9	10.9
Operating, selling, general and administrative expenses	3,463.4	2,589.2	874.2	33.8
Operating income before depreciation and amortization (1)	2,470.3	1,880.0	590.3	31.4
Depreciation	837.3	572.0	265.3	46.4
Amortization	1,794.0	644.0	1,150.0	NM
Operating (loss) income	(161.0)	664.0	(825.0)	NM
Interest expense	691.4	538.3	153.1	28.4
Investment income	(983.9)	(629.5)	354.4	56.3
(Income) expense related to indexed debt	(666.0)	666.0	1,332.0	NM
Equity in net losses (income) of affiliates	21.3	(1.4)	(22.7)	NM
Other income	(2,825.5)	(1,409.4)	1,416.1	NM
Income tax expense	1,441.3	723.7	717.6	99.2
Minority interest	(115.3)	4.6	(119.9)	NM
Income from continuing operations before extraordinary items	<u>\$2,045.1</u>	<u>\$780.9</u>	\$1,264.2	NM

	Year Ended		Increase/(Decrease)	
	December 31,		\$	%
	1999	1998		
Revenues	\$6,529.2	\$5,419.0	\$1,110.2	20.5%
Cost of goods sold from electronic retailing	2,060.0	1,735.7	324.3	18.7
Operating, selling, general and administrative expenses	2,589.2	2,186.6	402.6	18.4
Operating income before depreciation and amortization (1)	1,880.0	1,496.7	383.3	25.6
Depreciation	572.0	463.9	108.1	23.3
Amortization	644.0	475.7	168.3	35.4
Operating income	664.0	557.1	106.9	19.2
Interest expense	538.3	466.7	71.6	15.3
Investment (income) expense	(629.5)	187.8	(817.3)	NM
Expense related to indexed debt	666.0		666.0	NM
Equity in net (income) losses of affiliates	(1.4)	515.9	517.3	NM
Gain from equity offering of affiliate		(157.8)	(157.8)	NM
Other income	(1,409.4)	(2,012.9)	(603.5)	(30.0)
Income tax expense	723.7	594.0	129.7	21.8
Minority interest	4.6	44.3	(39.7)	(89.6)
Income from continuing operations before extraordinary items	<u>\$780.9</u>	<u>\$1,007.7</u>	(\$226.8)	(22.5%)

(1) Operating income before depreciation and amortization is commonly referred to in our businesses as "operating cash flow." Operating cash flow is a measure of a company's ability to generate cash to service its obligations, including debt service obligations, and to finance capital and other expenditures. In part due to the capital intensive nature of our businesses and the resulting significant level of non-cash depreciation and amortization expense, operating cash flow is frequently used as one of the bases for comparing businesses in our industries, although our measure of operating cash flow may not be comparable to similarly titled measures of other companies. Operating cash flow is the primary basis used by our management to measure the operating performance of our businesses. Operating cash flow does not purport to represent net income or net cash provided by operating activities, as those terms are defined under generally accepted accounting principles, and should not be considered as an alternative to such measurements as an indicator of our performance. See "Statement of Cash Flows" above for a discussion of net cash provided by operating activities.

Operating Results by Business Segment

The following represent the operating results of our significant business segments, including: "Cable" and "Commerce." The remaining components of our

operations are not independently significant to our consolidated financial position or results of operations (see Note 10 to our consolidated financial statements).

Cable

The following table presents financial information for the years ended December 31, 2000, 1999 and 1998 for our cable segment (dollars in millions):

	Year Ended December 31,		Increase	
	2000	1999	\$	%
Analog video	\$3,536.8	\$2,558.0	\$978.8	38.3%
Digital video	114.5	30.9	83.6	NM
Cable modem	114.4	44.5	69.9	NM
Advertising sales	290.2	190.3	99.9	52.5
Other	129.1	105.6	23.5	22.3
Service income	4,185.0	2,929.3	1,255.7	42.9
Operating, selling, general and administrative expenses	2,285.4	1,576.3	709.1	45.0
Operating income before depreciation and amortization (a) ..	<u>\$1,899.6</u>	<u>\$1,353.0</u>	<u>\$546.6</u>	40.4%

	Year Ended December 31,		Increase	
	1999	1998	\$	%
Analog video	\$2,558.0	\$2,036.6	\$521.4	25.6%
Digital video	30.9	2.2	28.7	NM
Cable modem	44.5	14.3	30.2	NM
Advertising sales	190.3	138.7	51.6	37.2
Other	105.6	85.6	20.0	23.4
Service income	2,929.3	2,277.4	651.9	28.6
Operating, selling, general and administrative expenses	1,576.3	1,180.8	395.5	33.5
Operating income before depreciation and amortization (a) ..	<u>\$1,353.0</u>	<u>\$1,096.6</u>	<u>\$256.4</u>	23.4%

(a) See footnote (1) on page 8.

Of the \$978.8 million increase from 1999 to 2000 in analog video service income, which consists of our basic, expanded basic, premium and pay-per-view services, \$885.9 million is attributable to the effects of our acquisitions of Jones Intercable, Lenfest and Prime in April 1999, January 2000 and August 2000, respectively, and \$92.9 million relates principally to changes in rates and subscriber growth in our historical operations, offset by slightly lower pay-per-view revenue. The increase from 1999 to 2000 in digital video service income is due primarily to the addition of approximately 839,000 digital subscriptions during the year ended December 31, 2000 and, to a lesser extent, to the effects of a new, higher-priced digital service offering made in the second half of

2000. The increase from 1999 to 2000 in cable modem service income is primarily due to the addition of approximately 258,000 cable modem subscribers during the year ended December 31, 2000. Approximately one-half of the increase from 1999 to 2000 in advertising sales revenue is attributable to the effects of our acquisition of Lenfest, with the remaining increase attributable to the effects of the 2000 political campaigns and increased cable viewership. The increase from 1999 to 2000 in other service income, which includes installation revenues, guide revenues, commissions from electronic retailing and other product offerings, is primarily attributable to our acquisitions of Lenfest and Jones Intercable.

Of the \$521.4 million increase from 1998 to 1999 in analog video service income, \$378.5 million is attributable to the effects of our acquisitions of Jones Intercable and Greater Philadelphia Cablevision, Inc. in April 1999 and June 1999, respectively, and \$142.9 million relates principally to changes in rates and subscriber growth in our historical operations and higher pay-per-view revenue. The increase from 1998 to 1999 in digital video service income is due primarily to the addition of approximately 437,000 digital subscriptions during the year ended December 31, 1999. The increase from 1998 to 1999 in cable modem service income is primarily due to the addition of approximately 91,000 cable modem subscribers during the year ended December 31, 1999. The increase from 1998 to 1999 in advertising sales revenue is primarily attributable to our acquisition of Jones Intercable, strong economic

conditions and increased cable viewership. The increase from 1998 to 1999 in other service income is primarily attributable to our acquisition of Jones Intercable.

The increases in operating, selling, general, and administrative expenses from 1999 to 2000 and from 1998 to 1999 are primarily due to the effects of our acquisitions of Jones Intercable, Lenfest and Prime, increases in the costs of cable programming as a result of changes in rates, subscriber growth and additional channel offerings, the effects of cable modem subscriber growth, and, to a lesser extent, to increases in labor costs and other volume related expenses in our historical operations. We anticipate the cost of cable programming will increase in the future as cable programming rates increase and additional sources of cable programming become available.

Commerce

The following table sets forth the operating results for our commerce segment, which consists of QVC, Inc. and subsidiaries (dollars in millions):

	Year Ended December 31,		Increase	
	2000	1999	\$	%
Net sales from electronic retailing	\$3,535.9	\$3,167.4	\$368.5	11.6%
Cost of goods sold from electronic retailing	2,284.9	2,060.0	224.9	10.9
Operating, selling, general and administrative expenses	631.8	568.6	63.2	11.1
Operating income before depreciation and amortization (a) ..	<u>\$619.2</u>	<u>\$538.8</u>	<u>\$80.4</u>	14.9%
Gross margin	<u>35.4%</u>	<u>35.0%</u>		

	Year Ended December 31,		Increase	
	1999	1998	\$	%
Net sales from electronic retailing	\$3,167.4	\$2,676.4	\$491.0	18.3%
Cost of goods sold from electronic retailing	2,060.0	1,735.7	324.3	18.7
Operating, selling, general and administrative expenses	568.6	506.5	62.1	12.3
Operating income before depreciation and amortization (a) ..	<u>\$538.8</u>	<u>\$434.2</u>	<u>\$104.6</u>	24.1%
Gross margin	<u>35.0%</u>	<u>35.1%</u>		

(a) See footnote (1) on page 8.

The increase in net sales from electronic retailing from 1999 to 2000 is primarily attributable to the effects of 4.7%, 10.0% and 41.0% increases in the average number of homes receiving QVC services in the United States ("US"), United Kingdom ("UK") and Germany, respectively; increases of 5.5% and 9.4% in net sales per home in the US and Germany (in Deutschmarks), respectively, and a 10.6% decrease in net sales per home in the UK (in British pounds); and the negative effects of fluctuations in foreign currency exchange rates during the year.

The increase in net sales from electronic retailing from 1998 to 1999 is primarily attributable to the effects of 4.1%, 11.4% and 35.2% increases in the average number of homes receiving QVC services in the US, UK and Germany, respectively; increases of 8.5%, 8.4% and 90.9% in net sales per home in the US, UK (in British pounds) and Germany (in Deutschmarks), respectively; and the negative effect of fluctuations in the Deutschmark exchange rate during the year.

The increases in cost of goods sold from electronic retailing are primarily related to the growth in net sales. The changes in gross margin are a result of shifts in sales mix.

In connection with new accounting guidance issued during the year ended December 31, 2000 (see discussion of EITF 00-10 in Note 2 to our consolidated financial statements), QVC reclassified shipping and handling revenue from cost of goods sold from electronic retailing to net sales from electronic retailing for all periods presented. This reclassification had no effect on QVC's reported operating income before depreciation and

amortization and no significant effect on growth in net sales from electronic retailing. The effect of the reclassification was to increase QVC's net sales from electronic retailing by approximately 11% and to decrease gross margin by approximately four percentage points, respectively, for the years ended December 31, 1999 and 1998 as compared to the amounts previously reported.

The increases in operating, selling, general and administrative expenses from 1999 to 2000 and from 1998 to 1999 are primarily attributable to higher variable costs and personnel costs associated with the increases in sales volume.

Consolidated Analysis

Interest Expense

The increases in interest expense from 1999 to 2000 and from 1998 to 1999 are primarily due to the effects of our acquisitions of Lenfest in January 2000 and Jones Intercable in April 1999 and the issuance of the ZONES in October and November 1999, offset, in part, by the net effects of our borrowings and repayments and retirements of debt. We anticipate that, for the foreseeable future, interest expense will be a significant cost to us.

Investment (Income) Expense

During the years ended December 31, 2000, 1999 and 1998, we recognized pre-tax gains of \$824.6 million, \$323.0 million and \$0.7 million, respectively, on sales of certain of our investments.

During the years ended December 31, 2000 and 1999, in connection with certain mergers of publicly traded companies held by us and accounted for as investments available for sale, we recognized pre-tax gains of \$62.1 million and \$187.6 million, respectively, representing the difference between the fair value of the securities received by us and our basis in the securities exchanged. Such gains were recorded as reclassifications from accumulated other comprehensive income to investment income.

During the years ended December 31, 1999 and 1998, we recorded investment expense of \$18.1 million and \$105.5 million, respectively, related to changes in the value of and the settlement of call options on certain of our unrestricted equity investments, all of which expired by November 1999.

During the years ended December 31, 2000, 1999 and 1998, we recorded pre-tax losses of \$74.4 million, \$35.5 million and \$152.8 million, respectively, on certain

of our investments based on a decline in value that was considered other than temporary.

(Income) Expense Related to Indexed Debt

The ZONES have been accounted for as an indexed debt instrument since the maturity value is dependent upon the fair value of Sprint PCS Stock. During the years ended December 31, 2000 and 1999, we recorded (income) expense related to indexed debt of (\$666.0) million and \$666.0 million, respectively, to reflect the (decrease) increase in fair value of the underlying Sprint PCS Stock during the respective periods.

Equity in Net Losses (Income) of Affiliates

Equity in net losses of affiliates for the year ended December 31, 1998 consists primarily of our proportionate share of the net losses of Sprint PCS, Comcast UK Cable Partners Limited ("Comcast UK Cable") and Teleport Communications, Inc. ("Teleport"). As a result of the restructuring of Sprint PCS, the sale of our interest in Comcast UK Cable and the merger of Teleport into AT&T during the year ended December 31, 1998 (see "Other Income" below), we no longer accounted for these investments under the equity method.

Gain From Equity Offering of Affiliate

During the year ended December 31, 1998, in connection with Teleport's issuance of shares of its Class A Common Stock, we recognized a \$157.8 million increase in our proportionate share of Teleport's net assets as a gain from equity offering of affiliate.

Other Income

In December 2000, in connection with our cable systems exchange with AT&T pursuant to which we received cable communications systems serving approximately 770,000 subscribers in exchange for

certain of our cable communications systems serving approximately 700,000 subscribers, we recorded a pre-tax gain of \$1.711 billion, representing the difference between the estimated fair value as of the closing date of the transaction and our cost basis in the systems exchanged.

In August 2000, we obtained the right to exchange our Excite@Home Series A Common Stock with AT&T and we waived certain of our Excite@Home Board level and shareholder rights under a stockholders agreement (see Note 4 to our consolidated financial statements). In connection with the transaction, we recorded a pre-tax gain of \$1.045 billion, representing the estimated fair value of the investment as of the closing date.

In August 2000, we exchanged all of the capital stock in a wholly owned subsidiary which held certain wireless licenses for approximately 3.2 million shares of AT&T common stock. In connection with the exchange, we recognized a pre-tax gain of \$98.1 million, representing the difference between the fair value of the AT&T common stock received of \$100.0 million and our cost basis in the subsidiary.

Other income for the year ended December 31, 1999 is primarily attributable to the receipt of a \$1.5 billion termination fee as liquidated damages from MediaOne Group, Inc. ("MediaOne"), net of transaction costs, in May 1999 as a result of MediaOne's termination of its Agreement and Plan of Merger with us dated March 1999.

In November 1998, we recognized a pre-tax gain of \$758.5 million on the restructuring of the ownership and management control of Sprint PCS, representing the difference between the aggregate fair value of the Sprint PCS common stock, convertible preferred stock and warrant received by us and our cost basis in our partnership interest in Sprint PCS.

In October 1998, we recognized a pre-tax gain of \$148.3 million on the exchange of our interest in Comcast UK Cable for approximately 4.8 million shares of NTL Incorporated ("NTL") common stock, representing the difference between the fair value of the NTL common stock received by us and our cost basis in Comcast UK Cable.

In July 1998, AT&T completed its merger with Teleport. Upon closing of the merger, we received 36.3 million shares (as adjusted for AT&T's 3-for-2 stock split in April 1999) of AT&T common stock in exchange for the 25.6 million shares of Teleport Class B Common Stock held by us. As a result of the exchange, we recognized a pre-tax gain of \$1.092 billion, representing

the difference between the fair value of the AT&T common stock received by us and our cost basis in Teleport.

Income Tax Expense

The increases in income tax expense from 1999 to 2000 and from 1998 to 1999 are primarily the result of the effects of changes in our income before taxes and minority interest, and non-deductible goodwill amortization.

Minority Interest

The changes in minority interest from 1999 to 2000 and from 1998 to 1999 are attributable to the effects of our acquisition of a controlling interest in Jones Intercable in April 1999, our acquisition of the California Public Employees Retirement System's 45% interest in Comcast MHCP Holdings L.L.C. in February 2000 and to changes in the net income or loss of our other less than 100% owned consolidated subsidiaries.

Extraordinary Items

Extraordinary items for the years ended December 31, 2000, 1999 and 1998 consist of unamortized debt issue costs and debt extinguishment costs, net of related tax benefits, expensed in connection with the redemption and refinancing of certain indebtedness.

We believe that our operations are not materially affected by inflation.

Expected Impact of Adoption of SFAS No. 133

We adopted Statement of Financial Accounting Standards No. 133, "Accounting for Derivative Instruments and Hedging Activities," as amended, on January 1, 2001, as required by the new statement. This statement establishes accounting and reporting standards for derivatives and hedging activities (see Note 2 to our consolidated financial statements). Adoption of the new statement will affect our accounting for our indexed debt instruments, equity option agreements, cashless collar agreements on investment securities, equity warrant agreements, and interest rate exchange agreements.

Under the new statement, our derivative instruments, which are comprised solely of derivative financial instruments, must be recorded at fair value on our consolidated balance sheet with changes in fair value recorded, except under specific circumstances, to our consolidated statement of operations. Recording changes in the fair value of our derivative instruments to our

consolidated statement of operations represents a change from our current accounting whereby generally these changes are recorded as a component of stockholders' equity. When specific circumstances exist, hedge accounting is permitted when the derivative instrument is designated as a hedge. Hedge accounting permits changes in the fair value of our derivative instruments to be either substantially offset in our consolidated statement of operations by changes in the fair value of the hedged item or deferred as a component of stockholders' equity until the hedged item is recognized in our consolidated statement of operations.

On January 1, 2001, in connection with our adoption of the new statement, we reclassified our investment in Sprint PCS from an available for sale security to a trading security. In connection with this reclassification, we expect to record pre-tax investment income of approximately \$1.1 billion, representing the accumulated unrealized gain on our investment in Sprint PCS previously recorded as a component of stockholders' equity. Further, beginning in the first quarter of 2001, we will record changes in the fair value of our investment in Sprint PCS to investment income or expense in our consolidated statement of operations. These adjustments will be substantially offset by the changes in the fair values of the Equity Collars described on page 6 and the derivative component of our indexed debt instruments described below.

Upon adoption of the new statement, the balance of our indexed debt instruments, included in long-term debt, will be reduced by approximately \$400 million. The new statement requires that we split our indexed debt instruments into their derivative and debt components. We will record the debt component at a discount from its value at maturity. Over the term of the indexed debt instruments, increases in the value of the debt component will be recorded to interest expense in our consolidated statement of operations. Changes in the fair value of the

derivative component will be recorded to investment income or expense in our consolidated statement of operations.

Our right to exchange our Excite@Home common stock with AT&T is a hedge of our investment in Excite@Home. Therefore, although we have exercised our right to exchange our investment with AT&T, beginning in the first quarter of 2001 we will record changes in the fair value of this investment and of our investment in Excite@Home common stock to investment income or expense in our consolidated statement of operations until the transaction closes.

In connection with the adoption of the new statement, we expect to recognize as income a cumulative effect of change in accounting principle, net of tax, of approximately \$400 million in the first quarter of 2001. This gain will consist of the \$400 million adjustment related to our indexed debt instruments previously described and approximately \$200 million principally related to the reclassification of gains previously recognized as a component of other comprehensive income on our equity derivative instruments, net of related deferred income taxes.

The adoption of the new statement will also result in a decrease in other comprehensive income as a result of the reclassification to our consolidated statement of operations of pre-tax gains of approximately \$1.3 billion, primarily related to our investment in Sprint PCS as discussed above. The decrease will be recorded in the first quarter of 2001, net of related deferred income taxes, of approximately \$450 million.

Adoption of the new statement will likely result in volatility from period to period in investment (income) expense as reported on our consolidated statement of operations. We are unable to predict the effects this volatility may have on our future earnings.

REPORT OF MANAGEMENT

The consolidated financial statements of Comcast Corporation and its subsidiaries (the "Company") have been prepared by management in accordance with generally accepted accounting principles and have been audited by Deloitte & Touche LLP, Certified Public Accountants, whose appointment was ratified by the Company's shareholders. Such financial statements and the related Report of Independent Auditors thereon, dated February 23, 2001, which expressed an unqualified opinion, are included herein. The integrity and fair presentation of information in the consolidated financial statements, including estimates and judgments, are the responsibility of management, as is all other financial information included in this report.

In meeting its responsibility for the reliability of the financial statements, the Company maintains a system of internal accounting controls. This system is designed to provide management with reasonable assurance that assets are safeguarded and transactions are executed in accordance with the appropriate corporate authorization and recorded properly to permit the preparation of financial statements in accordance with generally accepted accounting principles. The concept of reasonable assurance recognizes that the design, monitoring and revision of internal accounting controls involve, among other considerations, management's judgments with respect to the relative costs and expected benefits of specific control measures. An effective system of internal accounting controls, no matter how well designed, has inherent limitations and may not prevent or detect a material misstatement in published financial statements. Nevertheless, management believes that its system of internal controls provides reasonable assurance with respect to the reliability of its financial statements.

Management recognizes its responsibility for conducting the Company's affairs according to the highest standards of personal and corporate conduct. This responsibility is characterized by and reflected in the Company's Code of Ethics and Business Conduct, which is distributed throughout the Company. Management maintains a systematic program to assess compliance with the policies included in the Code.

The Audit Committee of the Board of Directors has oversight responsibility for the Company's financial reporting process. The Audit Committee meets periodically with management and with the Company's independent auditors and internal auditors to review matters relating to the quality of financial reporting and internal accounting control and the nature, extent and results of their audits. The Company's independent auditors and internal auditors have full and free access to the Audit Committee.

John R. Alchin
Executive Vice President
and Treasurer

Lawrence J. Salva
Senior Vice President
and Chief Accounting Officer

REPORT OF INDEPENDENT AUDITORS

Board of Directors and Stockholders
Comcast Corporation
Philadelphia, Pennsylvania

We have audited the accompanying consolidated balance sheet of Comcast Corporation and its subsidiaries as of December 31, 2000 and 1999, and the related consolidated statements of operations, cash flows and stockholders' equity for each of the three years in the period ended December 31, 2000. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audits. We did not audit the consolidated financial statements of QVC, Inc. ("QVC") (a consolidated subsidiary) as of December 31, 1998 and for the year then ended, which statements reflect total revenues constituting 49% of the Company's consolidated revenues for the year ended December 31, 1998. Those statements were audited by other auditors whose report has been furnished to us, and our opinion, insofar as it relates to the amounts included in the Company's consolidated financial statements for QVC, is based solely upon the report of such other auditors.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits and the report of other auditors provide a reasonable basis for our opinion.

In our opinion, based on our audits and the report of other auditors, such consolidated financial statements present fairly, in all material respects, the financial position of Comcast Corporation and its subsidiaries as of December 31, 2000 and 1999, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2000 in conformity with accounting principles generally accepted in the United States of America.

Deloitte & Touche LLP
Philadelphia, Pennsylvania
February 23, 2001

CONSOLIDATED FINANCIAL STATEMENTS

CONSOLIDATED BALANCE SHEET

(Dollars in millions, except share data)

	December 31,	
	<u>2000</u>	<u>1999</u>
ASSETS		
CURRENT ASSETS		
Cash and cash equivalents	\$651.5	\$922.2
Investments	3,059.7	7,606.0
Accounts receivable, less allowance for doubtful accounts of \$141.7 and \$136.6	891.9	673.3
Inventories, net	438.5	402.8
Other current assets	<u>102.8</u>	<u>100.1</u>
Total current assets	<u>5,144.4</u>	<u>9,704.4</u>
INVESTMENTS		
	<u>2,661.9</u>	<u>5,548.8</u>
PROPERTY AND EQUIPMENT		
	6,799.2	5,153.2
Accumulated depreciation	(1,596.5)	(1,700.9)
Property and equipment, net	<u>5,202.7</u>	<u>3,452.3</u>
DEFERRED CHARGES		
Franchise and license acquisition costs	16,594.4	5,155.7
Excess of cost over net assets acquired and other	<u>10,271.5</u>	<u>7,566.4</u>
	26,865.9	12,722.1
Accumulated amortization	(4,130.4)	(2,742.0)
Deferred charges, net	<u>22,735.5</u>	<u>9,980.1</u>
	<u>\$35,744.5</u>	<u>\$28,685.6</u>
LIABILITIES AND STOCKHOLDERS' EQUITY		
CURRENT LIABILITIES		
Accounts payable and accrued expenses	\$2,852.9	\$2,737.5
Accrued interest	105.5	104.5
Deferred income taxes	789.9	2,118.6
Current portion of long-term debt	<u>293.9</u>	<u>517.5</u>
Total current liabilities	<u>4,042.2</u>	<u>5,478.1</u>
LONG-TERM DEBT, less current portion (including adjustment to carrying value of zero and \$666.0 million)	<u>10,517.4</u>	<u>8,707.2</u>
DEFERRED INCOME TAXES	<u>5,786.7</u>	<u>3,150.5</u>
MINORITY INTEREST AND OTHER	<u>1,257.2</u>	<u>1,008.5</u>
COMMITMENTS AND CONTINGENCIES (NOTE 9)		
COMMON EQUITY PUT OPTIONS	<u>54.6</u>	
STOCKHOLDERS' EQUITY		
Preferred stock - authorized, 20,000,000 shares		
5.25% series B mandatorily redeemable convertible, \$1,000 par value; issued, 59,450 and 569,640 at redemption value	59.5	569.6
Class A special common stock, \$1 par value - authorized, 2,500,000,000 shares; issued, 931,340,103 and 716,442,482; outstanding, 908,015,192 and 716,442,482	908.0	716.4
Class A common stock, \$1 par value - authorized, 200,000,000 shares; issued, 21,832,250 and 25,993,380	21.8	26.0
Class B common stock, \$1 par value - authorized, 50,000,000 shares; issued, 9,444,375	9.4	9.4
Additional capital	11,598.8	3,527.0
Retained earnings (accumulated deficit)	1,056.5	(619.8)
Accumulated other comprehensive income	<u>432.4</u>	<u>6,112.7</u>
Total stockholders' equity	<u>14,086.4</u>	<u>10,341.3</u>
	<u>\$35,744.5</u>	<u>\$28,685.6</u>

See notes to consolidated financial statements.

CONSOLIDATED STATEMENT OF OPERATIONS
(Amounts in millions, except per share data)

	Year Ended December 31,		
	2000	1999	1998
REVENUES			
Service income	\$4,682.7	\$3,361.8	\$2,742.6
Net sales from electronic retailing	3,535.9	3,167.4	2,676.4
	<u>8,218.6</u>	<u>6,529.2</u>	<u>5,419.0</u>
COSTS AND EXPENSES			
Operating	2,212.5	1,663.1	1,410.3
Cost of goods sold from electronic retailing	2,284.9	2,060.0	1,735.7
Selling, general and administrative	1,250.9	926.1	776.3
Depreciation	837.3	572.0	463.9
Amortization	1,794.0	644.0	475.7
	<u>8,379.6</u>	<u>5,865.2</u>	<u>4,861.9</u>
OPERATING (LOSS) INCOME	(161.0)	664.0	557.1
OTHER (INCOME) EXPENSE			
Interest expense	691.4	538.3	466.7
Investment (income) expense	(983.9)	(629.5)	187.8
(Income) expense related to indexed debt	(666.0)	666.0	
Equity in net losses (income) of affiliates	21.3	(1.4)	515.9
Gain from equity offering of affiliate			(157.8)
Other income	(2,825.5)	(1,409.4)	(2,012.9)
	<u>(3,762.7)</u>	<u>(836.0)</u>	<u>(1,000.3)</u>
INCOME FROM CONTINUING OPERATIONS BEFORE INCOME TAX EXPENSE, MINORITY INTEREST AND EXTRAORDINARY ITEMS	3,601.7	1,500.0	1,557.4
INCOME TAX EXPENSE	1,441.3	723.7	594.0
INCOME FROM CONTINUING OPERATIONS BEFORE MINORITY INTEREST AND EXTRAORDINARY ITEMS	2,160.4	776.3	963.4
MINORITY INTEREST	(115.3)	4.6	44.3
INCOME FROM CONTINUING OPERATIONS BEFORE EXTRAORDINARY ITEMS	2,045.1	780.9	1,007.7
GAIN (LOSS) FROM DISCONTINUED OPERATIONS, net of income tax expense (benefit) of \$166.1 million in 1999 and (\$19.1) million in 1998		335.8	(31.4)
INCOME BEFORE EXTRAORDINARY ITEMS	2,045.1	1,116.7	976.3
EXTRAORDINARY ITEMS	(23.6)	(51.0)	(4.2)
NET INCOME	2,021.5	1,065.7	972.1
PREFERRED DIVIDENDS	(23.5)	(29.7)	(29.1)
NET INCOME FOR COMMON STOCKHOLDERS	<u>\$1,998.0</u>	<u>\$1,036.0</u>	<u>\$943.0</u>
BASIC EARNINGS (LOSS) FOR COMMON STOCKHOLDERS PER COMMON SHARE			
Income from continuing operations before extraordinary items	\$2.27	\$1.00	\$1.34
Discontinued operations45	(.04)
Extraordinary items	(.03)	(.07)	(.01)
Net income	<u>\$2.24</u>	<u>\$1.38</u>	<u>\$1.29</u>
BASIC WEIGHTED AVERAGE NUMBER OF COMMON SHARES OUTSTANDING	<u>890.7</u>	<u>749.1</u>	<u>733.0</u>
DILUTED EARNINGS (LOSS) FOR COMMON STOCKHOLDERS PER COMMON SHARE			
Income from continuing operations before extraordinary items	\$2.16	\$.95	\$1.25
Discontinued operations41	(.03)
Extraordinary items	(.03)	(.06)	(.01)
Net income	<u>\$2.13</u>	<u>\$1.30</u>	<u>\$1.21</u>
DILUTED WEIGHTED AVERAGE NUMBER OF COMMON SHARES OUTSTANDING	<u>948.7</u>	<u>819.9</u>	<u>806.0</u>

See notes to consolidated financial statements.

CONSOLIDATED STATEMENT OF CASH FLOWS
(Dollars in millions)

	Year Ended December 31,		
	2000	1999	1998
OPERATING ACTIVITIES			
Net income	\$2,021.5	\$1,065.7	\$972.1
Adjustments to reconcile net income to net cash provided by operating activities from continuing operations:			
Depreciation	837.3	572.0	463.9
Amortization	1,794.0	644.0	475.7
Non-cash interest (income) expense, net	(22.6)	(27.8)	29.2
Non-cash (income) expense related to indexed debt	(666.0)	666.0	
Equity in net losses (income) of affiliates	21.3	(1.4)	515.9
Gain from equity offering of affiliate			(157.8)
Gains on investments and other income, net	(3,679.3)	(1,917.0)	(1,758.5)
Minority interest	115.3	(4.6)	(44.3)
Discontinued operations		(335.8)	31.4
Extraordinary items	23.6	51.0	4.2
Deferred income taxes and other	1,102.3	(31.9)	418.2
	<u>1,547.4</u>	<u>680.2</u>	<u>950.0</u>
Changes in working capital	(328.1)	569.2	117.7
Net cash provided by operating activities from continuing operations	<u>1,219.3</u>	<u>1,249.4</u>	<u>1,067.7</u>
FINANCING ACTIVITIES			
Proceeds from borrowings	5,435.3	2,786.6	1,938.0
Retirements and repayments of debt	(5,356.5)	(1,368.2)	(1,113.4)
Issuances of common stock and sales of put options on common stock	30.5	17.1	41.8
Repurchases of common stock	(324.9)	(30.7)	(12.9)
Dividends		(9.4)	(36.0)
Deferred financing costs	(55.8)	(51.0)	(16.3)
Other		(3.0)	8.0
Net cash (used in) provided by financing activities from continuing operations	<u>(271.4)</u>	<u>1,341.4</u>	<u>809.2</u>
INVESTING ACTIVITIES			
Acquisitions, net of cash acquired	(187.3)	(755.2)	(309.7)
Proceeds from termination fee, net		1,460.0	
Proceeds from sales of (purchases of) short-term investments, net	1,028.1	(1,035.5)	145.9
Capital contributions to and purchases of investments	(1,010.7)	(2,012.2)	(202.1)
Proceeds from sales of investments	997.3	599.8	23.6
Proceeds from investees' repayments of loans			74.7
Capital expenditures	(1,636.8)	(893.8)	(898.9)
Sale of subsidiaries, net of cash sold		361.1	(140.4)
Additions to deferred charges	(409.2)	(263.5)	(108.4)
Net cash used in investing activities from continuing operations	<u>(1,218.6)</u>	<u>(2,539.3)</u>	<u>(1,415.3)</u>
(DECREASE) INCREASE IN CASH AND CASH EQUIVALENTS			
- CONTINUING OPERATIONS	(270.7)	51.5	461.6
CASH AND CASH EQUIVALENTS, beginning of year	<u>922.2</u>	<u>870.7</u>	<u>409.1</u>
CASH AND CASH EQUIVALENTS, end of year	<u>\$651.5</u>	<u>\$922.2</u>	<u>\$870.7</u>

See notes to consolidated financial statements.

CONSOLIDATED STATEMENT OF STOCKHOLDERS' EQUITY
(Dollars in millions, except per share data)

	Preferred Stock		Common Stock			Additional Capital	Retained Earnings (Accumulated Deficit)	Accumulated Other Comprehensive Income (Loss)		Total
	Series A	Series B	Class A Special	Class A	Class B			Unrealized Gains on Marketable Securities	Cumulative Translation Adjustments	
BALANCE, JANUARY 1, 1998	\$31.9	\$513.2	\$674.6	\$31.8	\$8.8	\$2,673.0	(\$2,415.9)	\$140.7	(\$11.6)	\$1,646.5
Comprehensive income:										
Net income							972.1			
Unrealized gains on marketable securities, net of deferred taxes of \$489.4								908.8		
Cumulative translation adjustments									11.8	
Total comprehensive income										1,892.7
Conversion of convertible subordinated debt to common stock			20.8			336.8				357.6
Exercise of options			3.4		0.6	31.8				35.8
Retirement of common stock			(0.4)	(0.1)		(2.4)	(10.0)			(12.9)
Cash dividends, common, \$.0467 per share							(34.4)			(34.4)
Cash dividends, Series A preferred							(1.6)			(1.6)
Series B preferred dividends		27.5					(27.5)			
Temporary equity related to put options							(79.8)			(79.8)
Proceeds from sales of put options						11.4				11.4
BALANCE, DECEMBER 31, 1998	31.9	540.7	698.4	31.7	9.4	2,941.7	(1,488.2)	1,049.5	0.2	3,815.3
Comprehensive income:										
Net income							1,065.7			
Unrealized gains on marketable securities, net of deferred taxes of \$2,730.2								5,070.3		
Cumulative translation adjustments									(7.3)	
Total comprehensive income										6,128.7
Acquisition			8.5			283.2				291.7
Exercise of options			2.2			23.7				25.9
Conversion of Series A preferred	(31.9)		2.7			29.2				
Retirement of common stock				(0.8)		(4.6)	(25.3)			(30.7)
Cash dividends, Series A preferred							(0.8)			(0.8)
Series B preferred dividends		28.9					(28.9)			
Share exchange			4.6	(4.9)		172.3	(172.0)			
Temporary equity related to put options						111.2				111.2
BALANCE, DECEMBER 31, 1999		569.6	716.4	26.0	9.4	3,527.0	(619.8)	6,119.8	(7.1)	10,341.3
Comprehensive income:										
Net income							2,021.5			
Unrealized losses on marketable securities, net of deferred taxes of \$3,055.3								(5,674.1)		
Cumulative translation adjustments									(6.2)	
Total comprehensive loss										(3,658.8)
Acquisitions			155.7			7,585.2				7,740.9
Exercise of options			2.6			53.9	(27.7)			28.8
Retirement of common stock			(6.0)	(3.1)		(42.3)	(273.5)			(324.9)
Conversion of Series B preferred		(533.6)	38.3			495.3				
Series B preferred dividends		23.5					(23.5)			
Share exchange			1.0	(1.1)		44.1	(44.0)			
Temporary equity related to put options						(40.9)				(40.9)
BALANCE, DECEMBER 31, 2000	\$	\$59.5	\$908.0	\$21.8	\$9.4	\$11,598.8	\$1,056.5	\$445.7	(\$13.3)	\$14,086.4

See notes to consolidated financial statements.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998

1. BUSINESS

Comcast Corporation and its subsidiaries (the "Company") is principally involved in three lines of business: cable, commerce and content.

The Company's cable business is principally involved in the development, management and operation of broadband communications networks in the United States ("US"). The Company's consolidated cable operations served approximately 7.7 million subscribers and passed approximately 12.9 million homes as of December 31, 2000.

Commerce is provided through the Company's consolidated subsidiary, QVC, Inc. ("QVC"). Through QVC, an electronic retailer, the Company markets a wide variety of products directly to consumers primarily on merchandise-focused television programs. QVC was available, on a full and part-time basis, to over 77.9 million homes in the US, over 8.9 million homes in the United Kingdom ("UK") and over 22.6 million homes in Germany as of December 31, 2000.

Content is provided through the Company's consolidated subsidiaries including Comcast Spectacor, Comcast SportsNet and E! Entertainment Television, Inc. ("E! Entertainment"), and through other programming investments including The Golf Channel, Speedvision and Outdoor Life.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES AND OTHER ITEMS

Basis of Consolidation

The consolidated financial statements include the accounts of the Company and all wholly owned or controlled subsidiaries. All significant intercompany accounts and transactions among consolidated entities have been eliminated.

Management's Use of Estimates

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Fair Values

The estimated fair value amounts presented in these consolidated financial statements have been determined by the Company using available market information and appropriate methodologies. However, considerable judgment is required in interpreting market data to develop the estimates of fair value. The estimates presented herein are not necessarily indicative of the amounts that the Company could realize in a current market exchange. The use of different market assumptions and/or estimation methodologies may have a material effect on the estimated fair value amounts. Such fair value estimates are based on pertinent information available to management as of December 31, 2000 and 1999, and have not been comprehensively revalued for purposes of these consolidated financial statements since such dates.

Cash Equivalents

Cash equivalents consist principally of US Government obligations, commercial paper, repurchase agreements and certificates of deposit with maturities of three months or less when purchased. The carrying amounts of the Company's cash equivalents approximate their fair values.

Inventories – Electronic Retailing

Inventories are stated at the lower of cost or market. Cost is determined by the average cost method, which approximates the first-in, first-out method.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Investments

Investments consist principally of equity securities and US Government obligations, commercial paper, repurchase agreements and certificates of deposit with maturities of greater than three months when purchased.

Investments in entities in which the Company has the ability to exercise significant influence over the operating and financial policies of the investee are accounted for under the equity method. Equity method investments are recorded at original cost and adjusted periodically to recognize the Company's proportionate share of the investees' net income or losses after the date of investment, additional contributions made and dividends received. The differences between the Company's recorded investments and its proportionate interests in the book value of the investees' net assets are being amortized to equity in net income or loss, primarily over a period of 20 years, which is consistent with the estimated lives of the underlying assets.

Unrestricted publicly traded investments are classified as available for sale and recorded at their fair value, with unrealized gains or losses resulting from changes in fair value between measurement dates recorded as a component of other comprehensive income.

Restricted publicly traded investments and investments in privately held companies are stated at cost, adjusted for any known diminution in value (see Note 4).

Property and Equipment

Property and equipment are stated at cost. Depreciation is provided by the straight-line method over estimated useful lives as follows:

Buildings and improvements	8-40 years
Operating facilities	5-20 years
Other equipment	2-10 years

Improvements that extend asset lives are capitalized; other repairs and maintenance charges are expensed as incurred. The cost and related accumulated depreciation applicable to assets sold or retired are removed from the accounts and the gain or loss on disposition is recognized as a component of depreciation expense.

Capitalized Costs

The costs associated with the construction of cable transmission and distribution facilities and new cable service installations are capitalized. Costs include all direct labor and materials as well as certain indirect costs.

Deferred Charges

Franchise and license acquisition costs are amortized on a straight-line basis over their legal or estimated useful lives ranging principally from 3 to 20 years. The excess of cost over the fair value of net assets acquired is being amortized on a straight-line basis over estimated useful lives ranging principally from 20 to 30 years. QVC and certain of the Company's content subsidiaries have entered into multi-year affiliation agreements with various cable and satellite system operators for carriage of their respective programming. In connection with these affiliation agreements, the Company's subsidiaries generally pay a fee to the cable or satellite operator based on the number of subscribers. Cable or satellite distribution rights are capitalized and amortized on a straight-line basis over the term of the related distribution agreements ranging principally from 6 to 12 years.

Valuation of Long-Lived Assets

The Company periodically evaluates the recoverability of its long-lived assets, including property and equipment and deferred charges, using objective methodologies whenever events or changes in circumstances indicate that the carrying amount may not be recoverable. Such methodologies include evaluations based on the cash flows generated by the underlying assets, profitability information, including estimated future operating results, trends or other determinants of fair value. If the total of the expected future undiscounted cash flows is less than the

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

carrying amount of the asset, a loss is recognized for the difference between the fair value and the carrying value of the asset.

Foreign Currency Translation

Assets and liabilities of the Company's foreign subsidiaries, where the functional currency is the local currency, are translated into US dollars at the December 31 exchange rate. The related translation adjustments are recorded as a component of other comprehensive income. Revenues and expenses are translated using average exchange rates prevailing during the year. Foreign currency transaction gains and losses are included in other (income) expense.

Revenue Recognition

Service income is recognized as service is provided. Credit risk is managed by disconnecting services to cable customers who are delinquent. Net sales from electronic retailing are recognized at the time of shipment to customers. The Company's policy is to allow customers to return merchandise for up to thirty days after date of shipment. An allowance for returned merchandise is provided as a percentage of sales based on historical experience. Advertising sales revenue is recognized at estimated realizable values when the advertising is aired.

Stock-Based Compensation

The Company accounts for stock-based compensation in accordance with APB Opinion No. 25, "Accounting for Stock Issued to Employees," and related interpretations, as permitted by Statement of Financial Accounting Standards ("SFAS") No. 123, "Accounting for Stock-Based Compensation." Compensation expense for stock options is measured as the excess, if any, of the quoted market price of the Company's stock at the date of the grant over the amount an employee must pay to acquire the stock. Compensation expense for restricted stock awards is recorded annually based on the quoted market price of the Company's stock at the date of the grant and the vesting period. Compensation expense for stock appreciation rights is recorded annually based on the changes in quoted market prices of the Company's stock or other determinants of fair value at the end of the year (see Note 6).

Postretirement and Postemployment Benefits

The estimated costs of retiree benefits and benefits for former or inactive employees, after employment but before retirement, are accrued and recorded as a charge to operations during the years the employees provide services.

Investment Income

Investment income includes interest income, dividend income and gains, net of losses, on the sales of marketable securities and long-term investments. Gross realized gains and losses are recognized using the specific identification method (see Note 4). Investment income also includes impairment losses resulting from adjustments to the net realizable value of certain of the Company's investments.

Income Taxes

The Company recognizes deferred tax assets and liabilities for temporary differences between the financial reporting basis and the tax basis of the Company's assets and liabilities and expected benefits of utilizing net operating loss carryforwards. The impact on deferred taxes of changes in tax rates and laws, if any, applied to the years during which temporary differences are expected to be settled, are reflected in the consolidated financial statements in the period of enactment.

Derivative Financial Instruments

The Company employs derivative financial instruments for a number of purposes. The Company manages its exposure to fluctuations in interest rates by entering into interest rate exchange agreements ("Swaps"), interest rate cap agreements ("Caps") and interest rate collar agreements ("Collars"). The Company manages the cost of its share repurchases through the sale of equity put option contracts ("Comcast Put Options"). The Company manages its exposure to fluctuations in the value of certain of its investments by entering into equity collar agreements ("Equity Collars") and equity put option agreements ("Equity Put Options"). The Company makes investments in businesses, to some degree, through the purchase of equity call option or call warrant agreements ("Equity Warrants"). The

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Company has issued indexed debt instruments whose value, in part, is derived from the market value of Sprint PCS common stock. The Company has also sold call options on certain of its investments in equity securities ("Covered Call Options").

Swaps, Caps and Collars are matched with either fixed or variable rate debt and periodic cash payments are accrued on a settlement basis as an adjustment to interest expense. Any premiums associated with these instruments are amortized over their term and realized gains or losses as a result of the termination of the instruments are deferred and amortized over the remaining term of the underlying debt. Unrealized gains and losses as a result of these instruments are recognized when the underlying hedged item is extinguished or otherwise terminated.

Proceeds from sales of Comcast Put Options are recorded in stockholders' equity and an amount equal to the redemption price of the common stock is reclassified from permanent equity to temporary equity. Subsequent changes in the market value of Comcast Put Options are not recorded. Equity Collars, Equity Put Options and Equity Warrants are marked to market on a current basis with the result included in accumulated other comprehensive income in the Company's consolidated balance sheet. Covered Call Options are marked to market on a current basis with the result included in investment (income) expense in the Company's consolidated statement of operations.

Those instruments that have been entered into by the Company to hedge exposure to interest rate risks are periodically examined by the Company to ensure that the instruments are matched with underlying liabilities, reduce the Company's risks relating to interest rates and, through market value and sensitivity analysis, maintain a high correlation to the interest expense of the hedged item. For those instruments that do not meet the above criteria, variations in their fair value are marked-to-market on a current basis in the Company's consolidated statement of operations.

The Company does not hold or issue any derivative financial instruments for trading purposes and is not a party to leveraged instruments (see Note 5). The credit risks associated with the Company's derivative financial instruments are controlled through the evaluation and monitoring of the creditworthiness of the counterparties. Although the Company may be exposed to losses in the event of nonperformance by the counterparties, the Company does not expect such losses, if any, to be significant.

Sale of Stock by a Subsidiary or Equity Method Investee

Changes in the Company's proportionate share of the underlying equity of a consolidated subsidiary or equity method investee which result from the issuance of additional securities by such subsidiary or investee are recognized as gains or losses in the Company's consolidated statement of operations unless gain realization is not assured in the circumstances. Gains for which realization is not assured are credited directly to additional capital.

SFAS No. 133, as Amended

In June 1998, the Financial Accounting Standards Board ("FASB") issued SFAS No. 133, "Accounting for Derivative Instruments and Hedging Activities." This statement establishes accounting and reporting standards for derivatives and hedging activities. The new standard requires that all derivative instruments be reported on the balance sheet at their fair values. For derivative instruments designated and effective as fair value hedges, changes in the fair value of the derivative instrument will be substantially offset in the statement of operations by changes in the fair value of the hedged item. For derivative instruments designated as cash flow hedges, the effective portion of any hedge is reported in other comprehensive income until it is recognized in earnings during the same period in which the hedged item affects earnings. The ineffective portion of all hedges will be recognized in current earnings each period. Changes in the fair value of derivative instruments that are not designated as a hedge will be recorded each period in current earnings.

In July 1999, the FASB issued SFAS No. 137 which deferred the effective date for implementation of SFAS No. 133 to fiscal years beginning after June 15, 2000. In June 2000, the FASB issued SFAS No. 138 which addressed

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

certain issues causing implementation difficulties for entities that apply SFAS No. 133. The Company adopted SFAS No. 133, as amended, on January 1, 2001. Instruments that the Company has entered into that will be accounted for under SFAS No. 133, as amended, include indexed debt instruments, Swaps, Equity Warrants, Equity Put Options, and Equity Collars. See Management's Discussion and Analysis of Financial Condition and Results of Operations for a discussion of the expected impact the adoption of SFAS No. 133 will have on the Company's consolidated financial position and results of operations.

SFAS No. 140

In September 2000, the FASB issued SFAS No. 140, "Accounting for Transfers and Servicing of Financial Assets and Extinguishments of Liabilities." SFAS No. 140 replaces SFAS No. 125 and addresses certain issues not previously addressed in SFAS No. 125. SFAS 140 is effective for transfers and servicing occurring after March 31, 2001. SFAS No. 140 is effective for disclosures about securitizations and collateral and for the recognition and reclassification of collateral for fiscal years ending after December 15, 2000. The adoption of SFAS No. 140 did not have a material impact on the Company's financial position or results of operations.

SAB No. 101, as Amended

In December 1999, the staff of the Securities and Exchange Commission ("SEC") issued Staff Accounting Bulletin ("SAB") No. 101, "Revenue Recognition in Financial Statements," which provides guidance in applying generally accepted accounting principles to selected revenue recognition issues. In March 2000 and June 2000, the staff of the SEC amended SAB No. 101 to delay the required implementation date of SAB No. 101 to the fourth quarter of fiscal years beginning after December 15, 1999. The Company adopted SAB No. 101, as amended, on October 1, 2000. The adoption of SAB No. 101, as amended, did not have a material impact on the Company's results of operations.

EITF 00-10

In May, July and September 2000, the Emerging Issues Task Force (the "EITF") reached a consensus on EITF Issue No. 00-10, "Accounting for Shipping and Handling Fees and Costs." EITF No. 00-10 requires that all amounts billed to a customer in a sale transaction for shipping and handling be classified as revenue. QVC previously classified shipping and handling revenue as an offset to cost of goods sold from electronic retailing. The Company has reclassified shipping and handling revenue from cost of goods sold from electronic retailing to net sales from electronic retailing for all periods presented in the accompanying consolidated statement of operations.

Securities Lending Transactions

The Company may enter into securities lending transactions pursuant to which the Company requires the borrower to provide cash collateral equal to the value of the loaned securities, as adjusted for any changes in the value of the underlying loaned securities. Loaned securities for which the Company maintains effective control are included in investments in the Company's consolidated balance sheet.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Earnings for Common Stockholders Per Common Share

Earnings for common stockholders per common share is computed by dividing net income, after deduction of preferred stock dividends, when applicable, by the weighted average number of common shares outstanding during the period on a basic and diluted basis. The following table reconciles the numerator and denominator of the computations of diluted earnings for common stockholders per common share ("Diluted EPS") for the years ended December 31, 2000, 1999 and 1998, respectively.

	(Amounts in millions, except per share data)		
	Year Ended December 31,		
	<u>2000</u>	<u>1999</u>	<u>1998</u>
Net income for common stockholders	\$1,998.0	\$1,036.0	\$943.0
Dilutive securities effect on net income for common stockholders			1.0
Preferred dividends	<u>23.5</u>	<u>29.7</u>	<u>29.1</u>
Net income for common stockholders used for Diluted EPS	<u>\$2,021.5</u>	<u>\$1,065.7</u>	<u>\$973.1</u>
Basic weighted average number of common shares outstanding	890.7	749.1	733.0
Dilutive securities:			
1 1/8% discount convertible subordinated debentures, redeemed March 1998			5.0
Series A and B convertible preferred stock	42.5	44.0	45.2
Stock option and restricted stock plans	15.4	26.8	22.8
Put options on Class A Special Common Stock	<u>0.1</u>		
Diluted weighted average number of common shares outstanding	<u>948.7</u>	<u>819.9</u>	<u>806.0</u>
Diluted earnings for common stockholders per common share	<u>\$2.13</u>	<u>\$1.30</u>	<u>\$1.21</u>

Comcast Put Options on a weighted average 1.5 million shares, 2.7 million shares and 2.9 million shares of its Class A Special Common Stock (see Note 6) were outstanding during the years ended December 31, 2000, 1999 and 1998, respectively. Comcast Put Options outstanding during the years ended December 31, 1999 and 1998 were not included in the computation of Diluted EPS as the Comcast Put Options' exercise price was less than the average market price of the Company's Class A Special Common Stock during the periods.

In December 2000, the Company issued \$1.285 billion principal amount at maturity of Zero Coupon Convertible Debentures due 2020 (the "Zero Coupon Debentures") (see Note 5). Holders may surrender the Zero Coupon Debentures for conversion at any time prior to maturity, unless previously redeemed, but only if the closing sale price of the Company's Class A Special Common Stock is greater than 110% of the accreted conversion price for at least 20 trading days of the 30 trading days prior to conversion. As the weighted average closing sale price of the Company's Class A Special Common Stock was not greater than 110% of the accreted conversion price during the period from the date of issuance of the Zero Coupon Debentures through December 31, 2000, the Zero Coupon Debentures have been excluded from Diluted EPS.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Reclassifications

Certain reclassifications have been made to the prior years' consolidated financial statements to conform to those classifications used in 2000.

3. ACQUISITIONS AND OTHER SIGNIFICANT EVENTS

AT&T Cable Systems Exchange

On December 31, 2000, the Company completed its previously announced cable systems exchange with AT&T Corp. ("AT&T") pursuant to which the Company received cable communications systems serving approximately 770,000 subscribers. In exchange, AT&T received certain of the Company's cable communications systems serving approximately 700,000 subscribers. In connection with the exchange, the Company recorded to other income a pre-tax gain of \$1.711 billion, representing the difference between the estimated fair value as of the closing date of the transaction and the Company's cost basis in the systems exchanged.

Acquisition of Prime Communications LLC

In December 1998, the Company agreed to invest in Prime Communications LLC ("Prime"), a cable communications company serving approximately 406,000 subscribers. Pursuant to the terms of this agreement, in December 1998 the Company acquired from Prime a \$50.0 million 12.75% subordinated note due 2008 issued by Prime. In July 1999, the Company made a loan to Prime in the form of a \$733.5 million 6% ten year note, convertible into 90% of the equity of Prime. Since that time, the Company made an additional \$70.0 million in loans to Prime (on the same terms as the original loan). In August 2000, the note, plus accrued interest of \$51.7 million on the note and the loans, was converted and the owners of Prime sold their remaining 10% equity interest in Prime to the Company for \$87.7 million. As a result, the Company now owns 100% of Prime and has assumed management control of Prime's operations (the "Prime Acquisition"). Upon closing, the Company assumed and immediately repaid \$532.0 million of Prime's debt with proceeds from borrowings under existing credit facilities.

Acquisition of Jones Intercable, Inc.

In April 1999, the Company acquired a controlling interest in Jones Intercable, Inc. ("Jones Intercable"), a cable communications company serving approximately 1.1 million subscribers, for aggregate consideration of \$706.3 million in cash. In June 1999, the Company purchased an additional 1.0 million shares of Jones Intercable Class A Common Stock for \$50.0 million in cash in a private transaction. The Company contributed its interest in Jones Intercable to Comcast Cable Communications, Inc. ("Comcast Cable"), an indirect wholly owned subsidiary of the Company.

In March 2000, the Jones Intercable shareholders approved a merger agreement pursuant to which the Jones Intercable shareholders, including Comcast Cable, received 1.4 shares of the Company's Class A Special Common Stock in exchange for each share of Jones Intercable Class A Common Stock and Common Stock (the "Jones Merger") and Jones Intercable was merged with and into a wholly owned subsidiary of the Company. In connection with the closing of the Jones Merger, the Company issued approximately 58.9 million shares of its Class A Special Common Stock to the Jones Intercable shareholders, including approximately 23.3 million shares to a subsidiary of the Company and 35.6 million shares with a value of \$1.727 billion to the public shareholders. As required under generally accepted accounting principles, the shares held by the subsidiary of the Company are presented as issued but not outstanding (held in treasury) in the Company's December 31, 2000 consolidated balance sheet.

Acquisition of CalPERS' Interest in Jointly Owned Cable Properties

In February 2000, the Company acquired the California Public Employees Retirement System's ("CalPERS") 45% interest in Comcast MHCP Holdings, L.L.C. ("Comcast MHCP"), formerly a 55% owned consolidated subsidiary of the Company which serves subscribers in Michigan, New Jersey and Florida. As a result, the Company now owns 100% of Comcast MHCP. The consideration was \$750.0 million in cash.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Acquisition of Lenfest Communications, Inc.

In January 2000, the Company acquired Lenfest Communications, Inc. ("Lenfest"), a cable communications company serving approximately 1.1 million subscribers primarily in the Philadelphia area from AT&T and the other Lenfest stockholders for approximately 120.1 million shares of the Company's Class A Special Common Stock with a value of \$6.014 billion (the "Lenfest Acquisition"). In connection with the Lenfest Acquisition, the Company assumed approximately \$1.326 billion of debt (see Note 5).

Consolidation of Comcast Cablevision of Garden State, L.P.

Comcast Cablevision of Garden State, L.P. ("Garden State Cable") (formerly Garden State Cablevision L.P.), a cable communications company serving approximately 216,000 subscribers in New Jersey, is a partnership which was owned 50% by Lenfest and 50% by the Company. The Company had accounted for its interest in Garden State Cable under the equity method. As a result of the Lenfest Acquisition, the Company now owns 100% of Garden State Cable. As such, the operating results of Garden State Cable have been included in the Company's consolidated statement of operations from the date of the Lenfest Acquisition.

Acquisition of Greater Philadelphia Cablevision, Inc.

In June 1999, the Company acquired Greater Philadelphia Cablevision, Inc. ("Greater Philadelphia"), a cable communications company serving approximately 79,000 subscribers in Philadelphia from Greater Media, Inc. for approximately 8.5 million shares of the Company's Class A Special Common Stock with a value of \$291.7 million.

The acquisitions completed by the Company during the years ended December 31, 2000 and 1999 were accounted for under the purchase method of accounting. As such, the operating results of the acquired systems have been included in the Company's consolidated statement of operations from the acquisition date. The Company recorded the final purchase price allocation related to the Company's acquisitions of Lenfest, Garden State Cable, CalPERS' interest in Comcast MHCP and of the public shareholders' interest in Jones Intercable during the fourth quarter of 2000. The allocation of the purchase price for the acquisition of Prime and the AT&T cable systems exchange, is preliminary pending completion of final appraisals. As the consideration given in exchange for Jones Intercable, Greater Philadelphia, Lenfest and the additional 50% interest in Garden State Cable was shares of the Company's Class A Special Common Stock, and in the case of Prime was primarily the conversion of convertible notes, the acquisitions of such interests had no significant impact on the Company's consolidated statement of cash flows during the years ended December 31, 2000 and 1999, respectively (see Note 8).

Unaudited Pro Forma Information

The following unaudited pro forma information for the years ended December 31, 2000, 1999 and 1998 has been presented as if the Jones Merger and the acquisitions of Lenfest, CalPERS' interest in Comcast MHCP and Prime, the consolidation of Garden State Cable and the cable systems acquired through the exchange with AT&T each occurred on January 1, 1999, and the acquisition of a controlling interest in Jones Intercable and the acquisition of Greater Philadelphia occurred on January 1, 1998. This information is based on historical results of operations, adjusted for acquisition costs, and, in the opinion of management, is not necessarily indicative of what the results would have been had the Company operated Jones Intercable, Greater Philadelphia, Lenfest, Garden State Cable, Comcast MHCP, Prime and the AT&T cable systems received in the exchange since such dates.

	(Amounts in millions, except per share data)		
	Year Ended December 31,		
	2000	1999	1998
Revenues	\$8,397.3	\$7,566.5	\$5,922.7
Income before extraordinary items	\$1,938.3	\$252.2	\$925.3
Net income	\$1,914.7	\$201.2	\$921.1
Diluted EPS	\$1.98	\$0.21	\$1.13

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Sale of Comcast Cellular Corporation

In July 1999, the Company sold Comcast Cellular Corporation ("Comcast Cellular") to SBC Communications, Inc. for \$361.1 million in cash and the assumption of \$1.315 billion of Comcast Cellular debt, and recognized a gain on the sale of \$355.9 million, net of income tax expense. The results of operations of Comcast Cellular have been presented as a discontinued operation in accordance with Accounting Principles Board ("APB") Opinion 30, "Reporting the Results of Operations - Reporting the Effects of Disposal of a Segment of a Business, and Extraordinary, Unusual and Infrequently Occurring Events and Transactions." During the year ended December 31, 1999, the Company recognized losses from discontinued operations of \$20.1 million.

Other Income

In August 2000, the Company obtained the right to exchange its Excite@Home Corporation ("Excite@Home") Series A Common Stock (the "Excite@Home Stock") with AT&T and waived certain of its Excite@Home Board level and shareholder rights under a stockholders agreement. The Company also agreed to cause its existing appointee to the Excite@Home Board of Directors to resign (see Note 4). In connection with the transaction, the Company recorded to other income a pre-tax gain of \$1.045 billion, representing the estimated fair value of the investment as of the closing date.

In August 2000, the Company exchanged all of the capital stock of a wholly owned subsidiary which held certain wireless licenses for approximately 3.2 million shares of AT&T common stock. In connection with the exchange, the Company recorded to other income a pre-tax gain of \$98.1 million, representing the difference between the fair value of the AT&T shares received of \$100.0 million and the Company's cost basis in the subsidiary.

During the year ended December 31, 1999, the Company received a \$1.5 billion termination fee as liquidated damages from MediaOne Group, Inc. ("MediaOne") as a result of MediaOne's termination of its Agreement and Plan of Merger with the Company dated March 1999. The termination fee, net of transaction costs, was recorded to other income in the Company's consolidated statement of operations.

Adelphia Cable Systems Exchange

On January 1, 2001, the Company completed its previously announced cable systems exchange with Adelphia Communications ("Adelphia") pursuant to which the Company received cable communications systems serving approximately 460,000 subscribers from Adelphia. In exchange, Adelphia received certain of the Company's cable communications systems serving approximately 440,000 subscribers. In connection with the exchange, the Company expects to record a gain and the acquisition will be accounted for as a purchase.

AT&T Cable Systems Acquisition

In August 2000, the Company entered into an agreement with AT&T to acquire cable communications systems serving up to 700,000 subscribers from AT&T in exchange for AT&T common stock that the Company currently owns or may acquire, in a transaction intended to qualify as tax-free to both the Company and to AT&T. Pursuant to the agreement, the agreed upon value of the cable communications systems to be acquired by the Company from AT&T is up to \$3.2 billion (subject to adjustment based on the actual number of subscribers acquired). Also pursuant to the agreement, approximately 39.6 million shares of the AT&T common stock currently owned by the Company will be valued at \$54.41 per share. The transaction is subject to customary closing conditions and regulatory approvals, will be accounted for as a purchase, and is expected to close by the end of the second quarter of 2001 (see Note 4).

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

4. INVESTMENTS

	December 31,	
	2000	1999
	(Dollars in millions)	
Fair value method		
AT&T Corp.	\$1,174.3	\$2,025.5
Excite@Home Corporation	1,479.1	918.0
Internet Capital Group, Inc.	71.5	4,127.2
Sprint Corp. PCS Group	2,149.8	4,234.0
Other	<u>322.4</u>	<u>667.4</u>
	5,197.1	11,972.1
Cost method	128.4	1,134.6
Equity method	<u>396.1</u>	<u>48.1</u>
Total investments	5,721.6	13,154.8
Less, current investments	<u>3,059.7</u>	<u>7,606.0</u>
Non-current investments	<u>\$2,661.9</u>	<u>\$5,548.8</u>

Fair Value Method

The Company holds unrestricted equity investments in certain publicly traded companies, with an historical cost of \$4.490 billion and \$2.558 billion as of December 31, 2000 and 1999, respectively. The unrealized pre-tax gains on these investments as of December 31, 2000 and 1999 of \$707.1 million and \$9.414 billion, respectively, have been reported in the Company's consolidated balance sheet principally as a component of other comprehensive income, net of related deferred income tax expense of \$240.0 million and \$3.294 billion, respectively.

AT&T. In July 1998, AT&T merged with Teleport Communications Group Inc. ("Teleport") with AT&T as the surviving corporation. Upon closing of the transaction, the Company received approximately 36.3 million shares of unregistered AT&T common stock (as adjusted for AT&T's 3-for-2 stock split in April 1999) in exchange for the approximately 25.6 million shares of Teleport Class B Common Stock held by the Company. As a result of the exchange, the Company recorded to other income a pre-tax gain of \$1.092 billion during the year ended December 31, 1998, representing the difference between the fair value of the AT&T stock received and the Company's basis in Teleport.

In March 1999, AT&T merged with Tele-Communications, Inc. ("TCI"), with AT&T as the surviving corporation (the "AT&T/TCI Merger"). Upon closing of the AT&T/TCI Merger, the Company received approximately 3.6 million shares (as adjusted for AT&T's 3-for-2 stock split in April 1999) of AT&T common stock in exchange for the approximately 3.1 million shares of TCI Class A Common Stock held by the Company and the Company received approximately 3.6 million shares of Class A Liberty Media Group Tracking Shares for the approximately 2.3 million shares of TCI Ventures Group, Inc. ("TCI Ventures") common stock and the approximately 2.4 million shares of Liberty Media Group Class A Common Stock held by the Company. As a result of the exchange, the Company recorded to other income a pre-tax gain of \$187.6 million during the year ended December 31, 1999, representing the difference between the fair value of the stock received and the Company's basis in TCI and TCI Ventures.

As of December 31, 2000 and 1999, the Company holds approximately 68.0 million and 39.9 million shares of AT&T common stock. As of December 31, 2000 and 1999, the Company has recorded its investment in AT&T at its estimated fair value of \$1.174 billion and \$2.026 billion, respectively (see Note 3).

Excite@Home. Excite@Home provides Internet services to subscribers and businesses over the cable communications infrastructure in a limited number of cities in the United States. The Company holds approximately

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
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29.1 million shares of Excite@Home Stock and, as of December 31, 2000 and 1999, has earned warrants to purchase an additional 2.1 million shares and 0.6 million shares, respectively, of Excite@Home Stock. As of December 31, 2000 and 1999, 10% and 30% of the Excite@Home shares held by the Company were contractually restricted shares (the "Restricted Shares") and 90% and 70% of the Excite@Home shares held by the Company were unrestricted shares (the "Unrestricted Shares"). The Company has recorded the Restricted Shares at their historical cost of \$0.3 million and \$0.6 million and the Unrestricted Shares and warrants, which are classified as available for sale, at their estimated fair value of \$151.8 million and \$918.0 million, respectively, as of December 31, 2000 and 1999. The investment in the Excite@Home Stock is included in current investments as of December 31, 2000.

On March 28, 2000 (the "Announcement Date"), Excite@Home and its principal cable partners, including the Company (the "Founding Cable Stockholders"), entered into an agreement (the "Letter Agreement") pursuant to which Excite@Home and the Founding Cable Stockholders agreed to enter into certain transactions which were completed on August 28, 2000. AT&T granted the Company the right to exchange its Excite@Home Stock with AT&T at any time between January 1, 2001 and June 4, 2002 at a price equal to the higher of \$48 per share or the average per share trading price for a 30-day trading period (as defined). The aggregate value of the Excite @Home Stock that AT&T would be required to purchase from the Company is limited to approximately \$1.5 billion. The Company has the right to elect payment in the form of cash or in shares of AT&T common stock. The Company accounts for this right as an investment, classified as available for sale, at its estimated fair value with unrealized gains or losses resulting from changes between measurement dates recorded as a component of accumulated other comprehensive income. As of December 31, 2000, the Company has recorded this investment, which is included in current investments in the Company's consolidated balance sheet, at its estimated fair value of \$1.327 billion. In January 2001, the Company exercised its right to exchange all of its Excite@Home Corporation Series A Common Stock with AT&T at \$48 per share for approximately 69.6 million shares of AT&T common stock. Under the terms of such exercise, the transaction is expected to close by March 31, 2001.

The Company agreed to enter into a new non-exclusive distribution agreement with Excite@Home for the period from June 2002 through June 2006. The Company may elect to terminate its existing exclusive distribution agreement with Excite@Home (which would otherwise expire in June 2002) or the new distribution agreement at any time beginning June 2001 on at least six months notice. In addition, unearned warrants previously held by the Company were amended to eliminate any previous performance vesting conditions and the Company received additional new warrants with an exercise price of \$29.54 per share to purchase two shares of Excite@Home Stock for each home passed by the Company's cable communications systems at the Announcement Date. The new warrants and the unearned previously held warrants vest in installments every six months beginning in June 2001 and will be fully vested in June 2006 provided that the Company has not elected to earlier terminate its existing or the new distribution agreement. The new warrants include customary registration rights and will expire in March 2015. The Company's right to sell its Excite@Home Stock to AT&T is not dependent upon its election to either continue or terminate its existing or the new distribution agreement.

Internet Capital Group. In August 1999, Internet Capital Group ("ICG"), an investee of the Company previously accounted for under the cost method, completed an initial public offering of its common stock. ICG is an Internet holding company engaged in managing and operating a network of business-to-business e-commerce companies. During the year ended December 31, 2000, the Company sold approximately 2.3 million shares of its ICG common stock for proceeds of \$327.1 million and recognized a pre-tax gain of \$325.9 million. Such gain was recorded as a reclassification from accumulated other comprehensive income to investment income. As of December 31, 2000 and 1999, the Company holds approximately 21.4 million and 23.7 million shares of ICG common stock and warrants and options to purchase approximately 0.6 million shares of ICG common stock, respectively. As of December 31, 2000 and 1999, the Company has recorded its investment in ICG at its estimated fair value of \$71.5 million and \$4.127 billion, respectively.

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Sprint PCS. In November 1998, in connection with the restructuring of the ownership and management control of Sprint PCS, the Company recorded to other income a pre-tax gain of \$758.5 million, representing the difference between the aggregate fair value of the Sprint PCS common stock, convertible preferred stock and warrant received by the Company and the Company's cost basis in its partnership interest in Sprint PCS. As of December 31, 2000 and 1999, as adjusted for Sprint PCS' 2-for-1 stock split in February 2000, the Company holds approximately 88.2 million shares and 93.8 million shares of unregistered Sprint PCS common stock, 123,452 shares of Sprint PCS convertible preferred stock (convertible into approximately 4.0 million shares of unregistered Sprint PCS common stock) and a warrant to purchase approximately 6.0 million shares of unregistered Sprint PCS common stock at \$12.01 per share (the "Sprint PCS Stock"). The Company has registration rights, subject to customary restrictions, which will allow the Company to sell its Sprint PCS Stock. During the year ended December 31, 2000, the Company sold approximately 5.6 million of its shares of Sprint PCS common stock for proceeds of \$312.0 million and recognized a pre-tax gain of \$265.3 million. Such gain was recorded as a reclassification from accumulated other comprehensive income to investment income. As of December 31, 2000 and 1999, the Company has recorded its investment in Sprint PCS at its estimated fair value of \$2.150 billion and \$4.234 billion, respectively (see Note 5).

Equity Price Risk

During the year ended December 31, 1999, the Company entered into Equity Collars covering \$1.365 billion notional amount of investment securities which are accounted for at fair value. The Equity Collars limit the Company's exposure to and benefits from price fluctuations in the underlying equity securities. The Equity Collars mature between 2001 and 2003. As the Company has accounted for the Equity Collars as a hedge, changes in the value of the Equity Collars were substantially offset by changes in the value of the underlying investment securities which were also marked-to-market through accumulated other comprehensive income in the Company's consolidated balance sheet.

NTL Incorporated. In October 1998, the Company received approximately 4.8 million shares of NTL Incorporated ("NTL") common stock, an alternative telecommunications company in the UK, in exchange for all of the shares of Comcast UK Cable Partners Limited ("Comcast UK Cable"), a consolidated subsidiary of the Company, held by the Company. As a result of the exchange, the Company recorded to other income a pre-tax gain of \$148.3 million during the year ended December 31, 1998, representing the difference between the fair value of the NTL common stock received and the Company's basis in Comcast UK Cable. During the year ended December 31, 1999, the Company sold all 5.8 million shares (as adjusted for NTL's 5-for-4 stock split in October 1999) of its NTL common stock for total proceeds of \$498.3 million and recorded to investment income a pre-tax gain of \$284.2 million.

Sales of Other Investments

During the years ended December 31, 2000, 1999 and 1998, the Company recorded to investment income pre-tax gains of \$233.4 million, \$38.8 million and \$0.7 million, respectively, on sales of certain of its other investments.

Impairment Losses

During the years ended December 31, 2000, 1999 and 1998, the Company recorded to investment expense pre-tax losses of \$74.4 million, \$35.5 million and \$152.8 million, respectively, on certain of its investments based on declines in value that were considered other than temporary.

Investment Expense Related to Call Options

During the years ended December 31, 1999 and 1998, the Company recorded \$18.1 million and \$105.5 million, respectively, of investment expense related to changes in the value of and the settlement of call options on certain of the Company's fair value method investments, all of which expired by November 1999.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
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Equity Method

The Company records its proportionate interests in the net income (loss) of certain of its equity method investees in arrears. The Company's recorded investments exceed its proportionate interests in the book value of the investees' net assets by \$336.3 million as of December 31, 2000 (related to the Company's investments in The Golf Channel and Susquehanna Cable). Such excess is being amortized to equity in net income or loss, over a period of twenty years, which is consistent with the estimated lives of the underlying assets. The original cost of investments accounted for under the equity method totaled \$506.5 million and \$235.6 million as of December 31, 2000 and 1999, respectively. Summarized financial information is not presented for Sprint PCS, Teleport or Birmingham Cable Corporation Limited and Cable London, PLC (together, the "UK Investees") as of December 31, 2000 and 1999 or for the years ended December 31, 2000 and 1999, as such investments are no longer accounted for under the equity method. Summarized financial information for the Company's equity method investees for the year ended December 31, 1998 is as follows (dollars in millions).

	Sprint <u>PCS</u>	<u>Teleport</u>	UK <u>Investees</u>	<u>Other</u>	<u>Combined</u>
Year Ended December 31, 1998:					
<u>Combined Results of Operations</u>					
Revenues, net	\$1,136.5	\$605.8	\$197.8	\$638.6	\$2,578.7
Operating, selling, general and administrative expenses	2,587.6	558.7	153.3	653.8	3,953.4
Depreciation and amortization . . .	749.5	163.4	69.7	69.1	1,051.7
Operating loss	(2,200.6)	(116.3)	(25.2)	(84.3)	(2,426.4)
Net loss (a)	(2,572.8)	(190.6)	(78.8)	(134.2)	(2,976.4)
<u>Company's Equity in Net Loss</u>					
Equity in current period net loss . .	(\$385.9)	(\$27.2)	(\$28.9)	(\$66.4)	(\$508.4)
Amortization expense	(3.5)	(0.5)	(0.5)	(3.5)	(7.5)
Total equity in net loss	<u>(\$389.4)</u>	<u>(\$27.2)</u>	<u>(\$29.4)</u>	<u>(\$69.9)</u>	<u>(\$515.9)</u>

(a) Net loss also represents loss from continuing operations before extraordinary items and cumulative effect of changes in accounting principles.

Golf Channel

During the year ended December 31, 2000, the Company exercised a call option to purchase shares held by certain founding members and members of management and purchased shares held by other minority shareholders of The Golf Channel for aggregate consideration of \$137.8 million. The Company's current ownership after these transactions is 60.3%. The Company will continue to record its investment in The Golf Channel under the equity method due to certain veto rights that are held by one of the remaining minority partners.

The Company does not have any additional significant contractual commitments with respect to any of its investments. However, to the extent the Company does not fund its investees' capital calls, it exposes itself to dilution of its ownership interests.

Cost Method

It is not practicable to estimate the fair value of the Company's investments in privately held companies, accounted for under the cost method, due to a lack of quoted market prices.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
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Gain from Equity Offering of Affiliate

For the year ended December 31, 1998, Teleport issued shares of its Class A Common Stock. As a result of this stock issuance, the Company recognized a \$157.8 million increase in its proportionate share of Teleport's net assets as gain from equity offering of affiliate.

5. LONG-TERM DEBT

	December 31,	
	<u>2000</u>	<u>1999</u>
	(Dollars in millions)	
Commercial Paper	\$1,323.5	
Notes payable to banks due in installments through 2009	1,751.4	\$2,324.0
9-5/8% Senior notes, due 2002	200.0	200.0
8-1/8% Senior notes, due 2004	299.9	299.8
8-3/8% Senior notes, due 2005	696.3	
8-3/8% Senior notes, due 2007	597.2	596.8
8-7/8% Senior notes, due 2007	249.0	248.9
6.20% Senior notes, due 2008	798.2	798.1
7-5/8% Senior notes, due 2008	197.1	196.8
7-5/8% Senior notes, due 2008	147.4	
8-7/8% Senior notes, due 2017	545.8	545.7
8-1/2% Senior notes, due 2027	249.6	249.6
10-1/4% Senior subordinated debentures, due 2001	100.4	100.4
9-3/8% Senior subordinated debentures, due 2005		172.5
9-1/8% Senior subordinated debentures, due 2006		144.7
10-1/2% Senior subordinated debentures, due 2006	123.8	
8-1/4% Senior subordinated debentures, due 2008	149.1	
9-1/2% Senior subordinated debentures, due 2008		198.5
10-1/2% Senior subordinated debentures, due 2008		100.0
10-5/8% Senior subordinated debentures, due 2012	257.0	257.0
Zero Coupon Convertible Debentures, due 2020	1,002.0	
7% Disney Notes, due 2007	132.8	132.8
ZONES at principal amount, due 2029	1,806.8	1,806.8
Non-cash adjustment to carrying value		666.0
Other debt, due in installments	<u>184.0</u>	<u>186.3</u>
	10,811.3	9,224.7
Less current portion	<u>293.9</u>	<u>517.5</u>
	<u>\$10,517.4</u>	<u>\$8,707.2</u>

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
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Maturities of long-term debt outstanding as of December 31, 2000 for the four years after 2001 are as follows (dollars in millions):

2002	\$448.0
2003	69.2
2004	308.7
2005	3,303.5

Senior Notes Offerings

In January 2001, Comcast Cable sold an aggregate of \$1.5 billion of public debt consisting of \$500.0 million of 6.375% Senior Notes due 2006 and \$1.0 billion of 6.75% Senior Notes due 2011. Comcast Cable used substantially all of the net proceeds from the offerings to repay a portion of the amounts outstanding under its commercial paper program and bank credit facility.

Zero Coupon Convertible Debentures

In December 2000, the Company issued \$1.285 billion principal amount at maturity of Zero Coupon Debentures for proceeds of \$1.002 billion. In January 2001, the Company issued an additional \$192.8 million principal amount at maturity of Zero Coupon Debentures for proceeds of \$150.3 million. The Company used substantially all of the net proceeds from the offering to repay a portion of the amounts outstanding under Comcast Cable's commercial paper program and bank credit facility.

The Zero Coupon Debentures have a yield to maturity of 1.25%, computed on a semi-annual bond equivalent basis. The Zero Coupon Debentures may be converted, subject to certain restrictions, into shares of the Company's Class A Special Common Stock at the option of the holder at a conversion rate of 14.2566 shares per \$1,000 principal amount at maturity, representing an initial conversion price of \$54.67 per share. The Zero Coupon Debentures are senior unsecured obligations. The Company may redeem for cash all or part of the Zero Coupon Debentures on or after December 19, 2005. Holders may require the Company to repurchase the Zero Coupon Debentures on December 19, 2001, 2003, 2005, 2010 and 2015. The Company may choose to pay the repurchase price for 2001, 2003 and 2005 repurchases in cash or shares of its Class A Special Common Stock or a combination of cash and shares of its Class A Special Common Stock. The Company may pay the repurchase price for the 2010 and 2015 repurchases in cash only.

Holders may surrender the Zero Coupon Debentures for conversion at any time prior to maturity if the closing price of the Company's Class A Special Common Stock is greater than 110% of the accreted conversion price for at least 20 trading days of the 30 trading days prior to conversion.

Amounts outstanding under the Zero Coupon Debentures are classified as long-term in the Company's consolidated balance sheet as of December 31, 2000 as the Company has both the ability and the intent to refinance the Zero Coupon Debentures on a long-term basis with amounts available under the Comcast Cable Revolver (see "Comcast Cable Refinancing" below) in the event holders of the Zero Coupon Debentures exercise their rights to require the Company to repurchase the Zero Coupon Debentures in December 2001.

Comcast Cable Refinancing

In August 2000, the Company repaid and retired all amounts outstanding under the existing bank credit facilities of its cable communications subsidiaries, totaling approximately \$2.4 billion, with the proceeds from a new senior bank credit facility and new commercial paper program. The Company's new senior bank credit facility consists of a \$2.25 billion, five-year revolving credit facility and a \$2.25 billion, 364-day revolving credit facility (together, the "Comcast Cable Revolver"). The 364-day revolving credit facility supports Comcast Cable's new commercial paper program. The Company borrowed \$1.4 billion under the five-year facility and \$1.0 billion under the commercial paper program to repay and retire the subsidiaries' credit facilities.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
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Amounts outstanding under the commercial paper program are classified as long-term in the Company's consolidated balance sheet as of December 31, 2000 as the Company refinanced a portion of these obligations on a long-term basis with proceeds from the Comcast Cable senior notes offerings in January 2001 and has both the ability and the intent to refinance these obligations, if necessary, on a long-term basis with amounts available under the Comcast Cable Revolver.

ZONES

During the fourth quarter of 1999, the Company issued 2.0% Exchangeable Subordinated Debentures due 2029 (the "ZONES") in the aggregate principal amount of \$1.807 billion. At maturity, holders of the ZONES are entitled to receive in cash an amount equal to the higher of (a) the principal amount of the ZONES, or (b) the market value of two shares of Sprint PCS Stock. Prior to maturity, each ZONES is exchangeable at the holders option for an amount of cash equal to 95% of the market value of two shares of Sprint PCS Stock.

The ZONES have been accounted for as an indexed debt instrument since the maturity value is dependent upon the fair value of Sprint PCS Stock. Therefore, the carrying value of the ZONES was adjusted each balance sheet date to reflect the fair value of the underlying Sprint PCS Stock with the change included in (income) expense related to indexed debt in the Company's consolidated statement of operations. During the years ended December 31, 2000 and 1999, the Company recorded (income) expense related to indexed debt of (\$666.0) million and \$666.0 million, respectively. The Company's investment in Sprint PCS was accounted for as available for sale, with changes in fair value being reflected in accumulated other comprehensive income (see Note 4). As of December 31, 2000, the number of Sprint PCS shares held by the Company exceeded the number of ZONES outstanding.

Debt Assumed

In connection with the Lenfest Acquisition, the consolidation of Garden State Cable and the Prime Acquisition (see Note 3), the Company assumed aggregate debt of \$2.146 billion with interest rates ranging between 6.95% and 10.5%, and maturities between 2001 and 2008.

Redemptions of Debt

During 2000, the Company repurchased certain senior subordinated debentures having an aggregate principal amount of \$615.7 million. During 1999, the Company repurchased certain senior subordinated debentures having an aggregate principal amount of \$192.2 million and repaid \$200.0 million in notes payable to insurance companies having an interest rate of 8.6%. In March 1999, the Company issued 8.7 million 3.35% Exchangeable Extendable Subordinated Debentures due 2029 (the "PHONES") for gross proceeds of \$718.3 million. At maturity, holders of the PHONES were entitled to receive in cash an amount equal to the higher of (a) the principal amount of the PHONES, or (b) the market value of AT&T common stock. In July 1999, the Company redeemed all \$718.3 million principal amount of the PHONES. The Company redeemed the PHONES due to its transaction with AT&T in which it intends to use AT&T shares as consideration for the purchase of cable systems from AT&T (see Note 3).

In March 1998, the Company completed the redemption of its \$541.9 million principal amount 1 1/8% discount convertible subordinated debentures due 2007 (the "1 1/8% Debentures"). The Company issued 20.8 million shares of its Class A Special Common Stock upon conversion of \$540.2 million principal amount of 1 1/8% Debentures while \$1.7 million principal amount of 1 1/8% Debentures was redeemed for cash at a redemption price of 67.112% of the principal amount, together with accrued interest thereon. Stockholders' equity was increased by the full amount of 1 1/8% Debentures converted plus accrued interest, less unamortized debt issue costs. Unamortized debt issue costs related to the 1 1/8% Debentures redeemed for cash were not significant. The issuance of the Company's Class A Special Common Stock upon conversion of the 1 1/8% Debentures had no impact on the Company's consolidated statement of cash flows due its noncash nature.

Extraordinary Items

Extraordinary items for the years ended December 31, 2000, 1999 and 1998 of \$23.6 million, \$51.0 million and \$4.2 million, respectively, consist of unamortized debt issue costs and debt extinguishment costs, net of related tax

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
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benefits, expensed principally in connection with the redemptions and refinancings of certain indebtedness described above.

Interest Rates

Bank debt interest rates vary based upon one or more of the following rates at the option of the Company:

Prime rate to prime plus .75%;
Federal Funds rate plus .5% to 1.25%; and
LIBOR plus .19% to 1.875%.

As of December 31, 2000 and 1999, the Company's effective weighted average interest rate on its variable rate debt outstanding was 7.34% and 6.67%, respectively.

Interest Rate Risk Management

The Company is exposed to the market risk of adverse changes in interest rates. To manage the volatility relating to these exposures, the Company's policy is to maintain a mix of fixed and variable rate debt and enter into various interest rate derivative transactions as described below.

Using Swaps, the Company agrees to exchange, at specified intervals, the difference between fixed and variable interest amounts calculated by reference to an agreed-upon notional principal amount. Caps are used to lock in a maximum interest rate should variable rates rise, but enable the Company to otherwise pay lower market rates. Collars limit the Company's exposure to and benefits from interest rate fluctuations on variable rate debt to within a certain range of rates.

All derivative transactions must comply with a board-approved derivatives policy. In addition to prohibiting the use of derivatives for trading purposes or that increase risk, this policy requires quarterly monitoring of the portfolio, including portfolio valuation, measuring counterparty exposure and performing sensitivity analyses.

The following table summarizes the terms of the Company's existing Swaps, Caps and Collars as of December 31, 2000 and 1999 (dollars in millions):

	<u>Notional Amount</u>	<u>Maturities</u>	<u>Average Interest Rate</u>	<u>Estimated Fair Value</u>
<u>As of December 31, 2000</u>				
Variable to Fixed Swaps	\$377.7	2001-2003	5.2%	\$3.7
Fixed to Variable Swaps	450.0	2004-2008	7.7%	3.2
<u>As of December 31, 1999</u>				
Variable to Fixed Swaps	\$1,111.8	2000-2003	5.6%	\$16.9
Fixed to Variable Swaps	300.0	2004	7.7%	(3.9)
Caps	140.0	2000	6.8%	
Collar	50.0	2000	6.3%/4.0%	0.1

The notional amounts of interest rate instruments, as presented in the above table, are used to measure interest to be paid or received and do not represent the amount of exposure to credit loss. The estimated fair value approximates the proceeds (costs) to settle the outstanding contracts. While Swaps, Caps and Collars represent an integral part of the Company's interest rate risk management program, their incremental effect on interest expense for the years ended December 31, 2000, 1999 and 1998 was not significant.

Estimated Fair Value

The Company's long-term debt had estimated fair values of \$10.251 billion and \$9.231 billion as of December 31, 2000 and 1999, respectively. The estimated fair value of the Company's publicly traded debt is based on quoted

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market prices for that debt. Interest rates that are currently available to the Company for issuance of debt with similar terms and remaining maturities are used to estimate fair value for debt issues for which quoted market prices are not available.

Debt Covenants

Certain of the Company's subsidiaries' loan agreements contain restrictive covenants which, for example, limit the subsidiaries' ability to enter into arrangements for the acquisition of property and equipment, investments, mergers and the incurrence of additional debt. Certain of these agreements contain financial covenants which require that certain ratios and cash flow levels be maintained and contain certain restrictions on dividend payments and advances of funds to the Company. The Company and its subsidiaries were in compliance with all financial covenants for all periods presented.

As of December 31, 2000, \$286.3 million of the Company's cash, cash equivalents and short-term investments is restricted to use by subsidiaries of the Company under contractual or other arrangements. Restricted net assets of the Company's subsidiaries were approximately \$1.1 billion as of December 31, 2000.

Lines and Letters of Credit

As of December 31, 2000, certain subsidiaries of the Company had unused lines of credit of \$2.182 billion under their respective credit facilities.

As of December 31, 2000, the Company and certain of its subsidiaries had unused irrevocable standby letters of credit totaling \$138.6 million to cover potential fundings under various agreements.

6. STOCKHOLDERS' EQUITY

Preferred Stock

The Company is authorized to issue, in one or more series, up to a maximum of 20.0 million shares of preferred stock. The shares can be issued with such designations, preferences, qualifications, privileges, limitations, restrictions, options, conversion rights and other special or related rights as the Company's board of directors shall from time to time fix by resolution.

In June 1997, the Company issued the Series B Preferred Stock. The Series B Preferred Stock has a 5.25% pay-in-kind annual dividend. Dividends are paid quarterly through the issuance of additional shares of Series B Preferred Stock (the "Additional Shares") and are cumulative from the issuance date (except that dividends on the Additional Shares will accrue from the date such Additional Shares are issued). The Series B Preferred Stock, including the Additional Shares, is convertible, at the option of the holder, into 42.4 million shares of the Company's Class A Special Common Stock, subject to adjustment in certain limited circumstances, which equals an initial conversion price of \$11.77 per share, increasing as a result of the Additional Shares to \$16.96 per share on June 30, 2004. The Series B Preferred Stock is mandatorily redeemable on June 30, 2017, or, at the option of the Company beginning on June 30, 2004 or at the option of the holder on June 30, 2004 or on June 30, 2012. Upon redemption, the Company, at its option, may redeem the Series B Preferred Stock with cash, Class A Special Common Stock or a combination thereof. The Series B Preferred Stock is generally non-voting. In December 2000, the Company issued approximately 38.3 million shares of its Class A Special Common Stock to the holder in connection with the holder's election to convert \$533.6 million at redemption value of Series B Preferred Stock. As the Company intends to redeem the Series B Preferred Stock with Class A Special Common Stock upon redemption, the Series B Preferred Stock has been classified as a component of stockholders' equity as of December 31, 2000 and 1999.

Common Stock

The Company's Class A Special Common Stock is generally nonvoting and each share of the Company's Class A Common Stock is entitled to one vote. Each share of the Company's Class B Common Stock is entitled to fifteen

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votes and is convertible, share for share, into Class A or Class A Special Common Stock, subject to certain restrictions.

Stock Split

In March 1999, the Company's board of directors authorized an increase in the number of authorized shares of the Company's Class A Special Common Stock from 500 million shares to 2.5 billion shares and also authorized a two-for-one stock split in the form of a 100% stock dividend (the "Stock Split") payable in May 1999. The dividend was paid in Class A Special Common Stock to the holders of Class A Common, Class A Special Common and Class B Common Stock. The average number of shares outstanding and related prices, per share amounts, share conversions and stock option data have been retroactively restated to reflect the Stock Split. The Company's board of directors also eliminated the quarterly cash dividend of \$.0117 per share on all classes of its common stock. The last quarterly cash dividend was paid in March 1999.

Repurchase Program

Based on the trade date for stock repurchases, during the years ended December 31, 2000, 1999 and 1998, the Company repurchased 9.1 million shares, 1.0 million shares and 0.6 million shares, respectively, of its common stock for aggregate consideration of \$324.9 million, \$30.7 million and \$12.9 million, respectively, pursuant to its Board-authorized repurchase programs.

As part of the repurchase program, during the years ended December 31, 2000, 1999 and 1998, the Company sold Comcast Put Options on 2.0 million shares, 5.5 million shares and 4.0 million shares of its Class A Special Common Stock, respectively. The Comcast Put Options give the holder the right to require the Company to repurchase such shares at specified prices on specific dates. All Comcast Put Options sold during 1999 and 1998 expired unexercised. Comcast Put Options on 0.7 million shares expired unexercised during the fourth quarter of 2000 with the remaining Comcast Put Options set to mature on specific dates during the first quarter of 2001. The amount the Company would be obligated to pay to repurchase such shares upon exercise of the outstanding Comcast Put Options, totaling \$54.6 million, was reclassified from additional capital to common equity put options in the Company's December 31, 2000 consolidated balance sheet. The difference between the proceeds from the sale of the Comcast Put Options and their estimated fair value was not significant as of December 31, 2000.

Share Exchanges

During the years ended December 31, 2000 and 1999, the Company issued approximately 1.0 million shares and 4.6 million shares of its Class A Special Common Stock, respectively, in exchange for approximately 1.1 million shares and 4.9 million shares of its Class A Common Stock, respectively. The Class A Common Stock was subsequently retired.

Stock-Based Compensation Plans

As of December 31, 2000, the Company and its subsidiaries have several stock-based compensation plans for certain employees, officers, directors and other persons designated by the applicable compensation committees of the boards of directors of the Company and its subsidiaries. These plans are described below.

Comcast Option Plans. The Company maintains qualified and nonqualified stock option plans for certain employees, directors and other persons under which fixed stock options are granted and the option price is generally not less than the fair value of a share of the underlying stock at the date of grant (collectively, the "Comcast Option Plans"). Under the Comcast Option Plans, 59.3 million shares of Class A Special Common Stock were reserved as of December 31, 2000. Option terms are generally from five to 10½ years, with options generally becoming exercisable between two and 9½ years from the date of grant.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

A summary of the activity of the Comcast Option Plans as of and for the years ended December 31, 2000, 1999 and 1998 is presented below (options in thousands):

	2000		1999		1998	
	Options	Weighted-Average Exercise Price	Options	Weighted-Average Exercise Price	Options	Weighted-Average Exercise Price
Class A Special Common Stock						
Outstanding at beginning of year	40,416	\$16.01	43,002	\$11.09	32,220	\$7.75
Granted	15,300	39.43	7,403	34.16	16,350	16.53
Exercised	(4,805)	8.60	(7,527)	6.76	(3,970)	6.60
Canceled	(1,293)	25.98	(2,462)	12.90	(1,598)	10.48
Outstanding at end of year	<u>49,618</u>	23.69	<u>40,416</u>	16.01	<u>43,002</u>	11.09
Exercisable at end of year	<u>13,267</u>	11.35	<u>10,947</u>	8.19	<u>15,390</u>	\$7.30
Class B Common Stock						
Outstanding at beginning of year					658	\$2.85
Exercised					(658)	2.85
Outstanding at end of year					<u> </u>	<u> </u>
Exercisable at end of year					<u> </u>	<u> </u>

The following table summarizes information about the Class A Special Common Stock options outstanding under the Comcast Option Plans as of December 31, 2000 (options in thousands):

Range of Exercise Prices	Options Outstanding			Options Exercisable	
	Number Outstanding at 12/31/00	Weighted-Average Remaining Contractual Life	Weighted-Average Exercise Price	Number Exercisable at 12/31/00	Weighted-Average Exercise Price
\$4.17 to \$10.58	13,088	3.4 years	\$8.26	8,297	\$8.14
\$11.00 to \$16.94	12,385	7.3 years	\$16.19	4,182	\$15.99
\$17.09 to \$37.56	13,066	8.6 years	\$31.61	756	\$19.42
\$37.75 to \$53.13	11,079	9.3 years	\$40.96	32	\$46.00
	<u>49,618</u>			<u>13,267</u>	

The weighted-average fair value at date of grant of a Class A Special Common Stock option granted under the Comcast Option Plans during 2000, 1999 and 1998 was \$21.20, \$20.41 and \$8.54, respectively. The fair value of each option grant is estimated on the date of grant using the Black-Scholes option-pricing model with the following weighted-average assumptions: dividend yield of -0%, -0% and .44% for 2000, 1999 and 1998, respectively; expected volatility of 35.8%, 36.1% and 31.3% for 2000, 1999 and 1998, respectively; risk-free interest rate of 6.3%, 5.8% and 5.6% for 2000, 1999 and 1998, respectively; expected option lives of 8.0 years, 9.9 years and 9.9 years for 2000, 1999 and 1998, respectively; and a forfeiture rate of 3.0% for all years.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Subsidiary Option Plans. Certain of the Company's subsidiaries maintain qualified and nonqualified combination stock option/stock appreciation rights ("SAR") plans (collectively, the "Tandem Plans") for employees, officers, directors and other designated persons. Under the Tandem Plans, the option price is generally not less than the fair value, as determined by an independent appraisal, of a share of the underlying common stock at the date of grant. If the SAR feature of the Tandem Plans is elected by the eligible participant, the participant receives 75% of the excess of the fair value of a share of the underlying common stock over the exercise price of the option to which it is attached at the exercise date. Option holders have stated an intention not to exercise the SAR feature of the Tandem Plans. Because the exercise of the option component is more likely than the exercise of the SAR feature, compensation expense is measured based on the stock option component. Under the Tandem Plans, option/SAR terms are ten years from the date of grant, with options/SARs generally becoming exercisable over four to five years from the date of grant.

The QVC Tandem Plan is the most significant of the Tandem Plans. Summary information related to the QVC Tandem Plan as of December 31, 2000, 1999 and 1998 is presented below (options/SARs in thousands):

	<u>2000</u>	<u>1999</u>	<u>1998</u>
Options/SARs outstanding at end of year	<u>219</u>	<u>200</u>	<u>206</u>
Weighted-average exercise price of options/SARs outstanding at end of year	<u>\$789.51</u>	<u>\$618.02</u>	<u>\$500.82</u>
Options/SARs exercisable at end of year	<u>79</u>	<u>80</u>	<u>37</u>
Weighted-average exercise price of options/SARs exercisable at end of year	<u>\$606.92</u>	<u>\$505.86</u>	<u>\$397.46</u>

As of the latest valuation date, the fair value of a share of QVC Common Stock was \$1,216.00.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Had compensation expense for the Company's aforementioned stock-based compensation plans been determined based on the fair value at the grant dates for awards under those plans under the provisions of SFAS No. 123, the Company's net income and net income per share would have changed to the pro forma amounts indicated below (dollars in millions, except per share data):

	<u>2000</u>	<u>1999</u>	<u>1998</u>
Net income – As reported	\$2,021.5	\$1,065.7	\$972.1
Net income – Pro forma	1,918.1	1,005.5	936.4
Net income for common stockholders –			
As reported	\$1,998.0	\$1,036.0	\$943.0
Net income for common stockholders –			
Pro forma	1,894.6	975.8	907.3
Basic earnings for common stockholders			
per common share – As reported	\$2.24	\$1.38	\$1.29
Basic earnings for common stockholders			
per common share - Pro forma	2.13	1.30	1.24
Diluted earnings for common stockholders			
per common share – As reported	\$2.13	\$1.30	\$1.21
Diluted earnings for common stockholders			
per common share - Pro forma	2.02	1.23	1.17

The pro forma effect on net income and net income per share for the years ended December 31, 2000, 1999 and 1998 by applying SFAS No. 123 may not be indicative of the pro forma effect on net income or loss in future years since SFAS No. 123 does not take into consideration pro forma compensation expense related to awards made prior to January 1, 1995 and since additional awards in future years are anticipated.

Other Stock-Based Compensation Plans

The Company maintains a restricted stock program under which management employees may be granted restricted shares of the Company's Class A Special Common Stock. The shares awarded vest annually, generally over a period not to exceed five years from the date of the award, and do not have voting or dividend rights until vesting occurs. At December 31, 2000, there were 1.2 million unvested shares granted under the program, of which 728,000 vested in January 2001. During the years ended December 31, 2000, 1999 and 1998, 504,000, 170,000 and 656,000 shares were granted under the program, respectively, with a weighted-average grant date market value of \$37.80, \$43.22 and \$17.33 per share, respectively. Compensation expense recognized during the years ended December 31, 2000, 1999 and 1998 under this program was \$9.2 million, \$4.7 million and \$5.3 million, respectively.

Certain of the Company's subsidiaries have SAR plans for certain employees, officers, directors and other persons (the "SAR Plans"). Under the SAR Plans, eligible participants are entitled to receive a cash payment equal to 100% of the excess, if any, of the fair value of a share of the underlying common stock at the exercise date over the fair value of such a share at the grant date. The SARs have a term of ten years from the date of grant and become exercisable over four to five years from the date of grant. Compensation expense related to the SAR Plans of \$2.2 million, \$6.4 million and \$14.8 million was recorded during the years ended December 31, 2000, 1999 and 1998, respectively. Compensation expense during the year ended December 31, 1998 included \$11.6 million related to the termination of a subsidiary SAR Plan.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

7. INCOME TAXES

The Company joins with its 80% or more owned subsidiaries (the "Consolidated Group") in filing consolidated federal income tax returns. QVC and E! Entertainment, each file separate consolidated federal income tax returns. Income tax expense consists of the following components:

	Year Ended December 31,		
	<u>2000</u>	<u>1999</u>	<u>1998</u>
	(Dollars in millions)		
Current expense			
Federal	\$321.4	\$606.7	\$135.5
State	42.8	188.4	27.5
Foreign	<u>2.5</u>	<u>2.0</u>	<u> </u>
	<u>366.7</u>	<u>797.1</u>	<u>163.0</u>
Deferred expense (benefit)			
Federal	998.6	(65.2)	424.6
State	<u>76.0</u>	<u>(8.2)</u>	<u>6.4</u>
	<u>1,074.6</u>	<u>(73.4)</u>	<u>431.0</u>
Income tax expense	<u>\$1,441.3</u>	<u>\$723.7</u>	<u>\$594.0</u>

The effective income tax expense of the Company differs from the statutory amount because of the effect of the following items:

	Year Ended December 31,		
	<u>2000</u>	<u>1999</u>	<u>1998</u>
	(Dollars in millions)		
Federal tax at statutory rate	\$1,260.6	\$525.0	\$545.1
Non-deductible depreciation and amortization	102.1	49.8	41.0
State income taxes, net of federal benefit	77.2	117.1	22.0
Foreign (income) losses and equity in net losses of affiliates ..	8.0	(2.0)	(11.2)
Other	<u>(6.6)</u>	<u>33.8</u>	<u>(2.9)</u>
Income tax expense	<u>\$1,441.3</u>	<u>\$723.7</u>	<u>\$594.0</u>

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Significant components of the Company's net deferred tax liability are as follows:

	December 31,	
	<u>2000</u>	<u>1999</u>
	(Dollars in millions)	
Deferred tax assets:		
Net operating loss carryforwards	\$289.8	\$240.0
Reserves for bad debts and obsolete inventory	109.0	106.9
Differences between book and tax basis of indexed debt securities		223.1
Other	163.5	153.5
Less: Valuation allowance		<u>(178.2)</u>
	<u>562.3</u>	<u>545.3</u>
Deferred tax liabilities:		
Temporary differences, principally book and tax basis of property and equipment and deferred charges	5,234.8	1,854.5
Differences between book and tax basis in investments	1,838.2	3,959.9
Differences between book and tax basis of indexed debt securities	65.9	
	<u>7,138.9</u>	<u>5,814.4</u>
Net deferred tax liability	<u>\$6,576.6</u>	<u>\$5,269.1</u>

The Company recorded \$3.308 billion of deferred income tax liabilities in 2000 in connection with acquisitions principally related to basis differences in property and equipment and deferred charges. The Company recorded (\$3.055) billion, \$2.730 billion and \$489.4 million of deferred income taxes in 2000, 1999 and 1998, respectively, in connection with unrealized (losses) gains on marketable securities which are included in other comprehensive income.

The Company has recorded net deferred tax liabilities of \$789.9 million and \$2.119 billion, as of December 31, 2000 and 1999, respectively, which have been included in current liabilities, related primarily to current investments. The Company has net operating loss carryforwards of approximately \$470.0 million which expire primarily in periods through 2019.

8. STATEMENT OF CASH FLOWS - SUPPLEMENTAL INFORMATION

The Company made cash payments for interest of \$705.8 million, \$529.2 million and \$418.9 million during the years ended December 31, 2000, 1999 and 1998, respectively.

The Company made cash payments for income taxes of \$669.0 million, \$190.5 million and \$129.2 million during the years ended December 31, 2000, 1999 and 1998, respectively. The current tax payments principally relate to capital gains on security transactions, liquidated damages, and the income attributable to QVC.

During the year ended December 31, 2000, the Company acquired all of the capital stock and/or partnership interests not previously owned by the Company of Lenfest, Garden State Cable, Jones Intercable, Prime and Comcast MHCP, principally through the issuance of the Company's Class A Special Common Stock and the conversion of convertible notes. In addition, on December 31, 2000, the Company completed its cable systems

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

exchange with AT&T (see Note 3). The fair values of the assets and liabilities acquired by the Company during the year ended December 31, 2000 are presented as follows (in millions):

Current assets	\$198.1
Investments	437.3
Property, plant & equipment	1,030.9
Deferred charges	14,558.6
Current liabilities	(282.4)
Long-term debt	(2,146.5)
Deferred income taxes	(3,308.0)
Net assets acquired	<u>\$10,488.0</u>

9. COMMITMENTS AND CONTINGENCIES

Commitments

The Company and the owners of the 34% interest in Comcast Spectacor that the Company does not own (the "Minority Group") each have the right to initiate an "exit" process under which the fair market value of Comcast Spectacor would be determined by appraisal. Following such determination, the Company would have the option to acquire the interests in Comcast Spectacor owned by the Minority Group based on the appraised fair market value. In the event the Company did not exercise this option, the Company and the Minority Group would then be required to use their best efforts to sell Comcast Spectacor.

The Walt Disney Company ("Disney"), in certain circumstances, is entitled to cause Comcast Entertainment Holdings LLC ("Entertainment Holdings"), which is owned 50.1% by the Company and 49.9% by Disney, to purchase Disney's entire interest in Entertainment Holdings at its then fair market value (as determined by an appraisal process). If Entertainment Holdings elects not to purchase Disney's interests, Disney has the right, at its option, to purchase either the Company's entire interest in Entertainment Holdings or all of the shares of stock of E! Entertainment held by Entertainment Holdings in each case at fair market value. In the event that Disney exercises its rights, as described above, a portion or all of the Disney Notes (see Note 5) may be replaced with a three year note due to Disney.

Liberty Media Group ("Liberty"), a majority owned subsidiary of AT&T, may, at certain times, trigger the exercise of certain exit rights with respect to its investment in QVC. If the exit rights are triggered, the Company has first right to purchase the stock in QVC held by Liberty at Liberty's pro rata portion of the fair market value (on a going concern or liquidation basis, whichever is higher, as determined by an appraisal process) of QVC. The Company may pay Liberty for such stock, subject to certain rights of Liberty to consummate the purchase in the most tax-efficient method available, in cash, the Company's promissory note maturing not more than three years after issuance, the Company's equity securities or any combination thereof. If the Company elects not to purchase the stock of QVC held by Liberty, then Liberty will have a similar right to purchase the stock of QVC held by the Company. If Liberty elects not to purchase the stock of QVC held by the Company, then Liberty and the Company will use their best efforts to sell QVC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Minimum annual rental commitments for office space, equipment and transponder service agreements under noncancellable operating leases as of December 31, 2000 are as follows:

	(Dollars <u>in millions</u>)
2001	\$73.0
2002	59.7
2003	55.9
2004	50.8
2005	41.5
Thereafter	228.0

Rental expense of \$76.7 million, \$71.1 million and \$64.8 million for 2000, 1999 and 1998, respectively, has been charged to operations.

Contingencies

The Company is subject to legal proceedings and claims which arise in the ordinary course of its business. In the opinion of management, the amount of ultimate liability with respect to these actions will not materially affect the financial position, results of operations or liquidity of the Company.

In connection with a license awarded to an affiliate, the Company is contingently liable in the event of nonperformance by the affiliate to reimburse a bank which has provided a performance guarantee. The amount of the performance guarantee is approximately \$500 million; however the Company's current estimate of the amount of expenditures (principally in the form of capital expenditures) that will be made by the affiliate necessary to comply with the performance requirements will not exceed \$150 million.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

10. FINANCIAL DATA BY BUSINESS SEGMENT

The following represents the Company's significant business segments, "Cable" and "Commerce." The components of net income (loss) below operating income (loss) are not separately evaluated by the Company's management on a segment basis (see the Company's consolidated statement of operations) (dollars in millions).

	Cable	Commerce	Corporate and Other(1)	Total
<u>2000</u>				
Revenues	\$4,185.0	\$3,535.9	\$497.7	\$8,218.6
Operating income (loss) before depreciation and amortization (2)	1,899.6	619.2	(48.5)	2,470.3
Depreciation and amortization	2,417.7	125.9	87.7	2,631.3
Operating income (loss)	(518.1)	493.3	(136.2)	(161.0)
Interest expense	515.7	34.9	140.8	691.4
Assets	25,750.3	2,503.0	7,491.2	35,744.5
Long-term debt	6,711.0	302.0	3,504.4	10,517.4
Capital expenditures	1,248.1	155.9	232.8	1,636.8
<u>1999</u>				
Revenues	\$2,929.3	\$3,167.4	\$432.5	\$6,529.2
Operating income (loss) before depreciation and amortization (2)	1,353.0	538.8	(11.8)	1,880.0
Depreciation and amortization	1,026.6	117.2	72.2	1,216.0
Operating income (loss)	326.4	421.6	(84.0)	664.0
Interest expense	353.0	39.6	145.7	538.3
Assets	10,855.3	2,243.6	15,586.7	28,685.6
Long-term debt	4,735.3	476.7	3,495.2	8,707.2
Capital expenditures	739.6	80.1	74.1	893.8
<u>1998</u>				
Revenues	\$2,277.4	\$2,676.4	\$465.2	\$5,419.0
Operating income (loss) before depreciation and amortization (2)	1,096.6	434.2	(34.1)	1,496.7
Depreciation and amortization	674.2	126.1	139.3	939.6
Operating income (loss)	422.4	308.1	(173.4)	557.1
Interest expense	223.6	51.1	192.0	466.7
Assets	6,449.4	2,101.8	6,159.3	14,710.5
Long-term debt	3,462.1	626.8	1,375.3	5,464.2
Capital expenditures	711.1	67.2	120.6	898.9

- (1) Other includes segments not meeting certain quantitative guidelines for reporting. Other includes certain operating businesses such as Comcast-Spectacor, E! Entertainment, the Company's domestic wireline telecommunications and international wireless operations, the Company's consolidated UK cable and telecommunications operations (prior to October 29, 1998), the Company's DBS operations (prior to April 1, 1998) and elimination entries related to the segments presented. Corporate and other assets consist primarily of the Company's investments (see Note 4).
- (2) Operating income (loss) before depreciation and amortization is commonly referred to in the Company's businesses as "operating cash flow (deficit)." Operating cash flow is a measure of a company's ability to generate cash to service its obligations, including debt service obligations, and to finance capital and other expenditures. In part due to the capital intensive nature of the Company's businesses and the resulting significant level of non-cash depreciation and amortization expense, operating cash flow is frequently used as one of the bases for comparing businesses in the Company's industries, although the Company's measure of operating cash flow may not be comparable to similarly titled measures of other companies. Operating cash flow is the primary basis used by the Company's management to measure the operating performance of its businesses. Operating cash flow does not purport to represent net income or net cash provided by operating activities, as those terms are defined under generally accepted accounting principles, and should not be considered as an alternative to such measurements as an indicator of the Company's performance.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 and 1998 (Concluded)

11. QUARTERLY FINANCIAL INFORMATION (UNAUDITED)

	First Quarter	Second Quarter	Third Quarter	Fourth Quarter (3)	Total Year
	(Dollars in millions, except per share data)				
<u>2000</u> (1)					
Revenues	\$1,938.9	\$1,912.1	\$1,960.0	\$2,407.6	\$8,218.6
Operating income before depreciation and amortization (2)	586.9	602.8	605.7	674.9	2,470.3
Operating income (loss)	41.2	(31.6)	(56.4)	(114.2)	(161.0)
Income (loss) from continuing operations					
before extraordinary items	(186.4)	198.8	1,249.1	783.6	2,045.1
Basic earnings (loss) for common stockholders per common share					
Income (loss) from continuing operations					
before extraordinary items	(.23)	.21	1.37	.87	2.27
Net income (loss)	(.24)	.20	1.37	.86	2.24
Diluted earnings (loss) for common stockholders per common share					
Income (loss) from continuing operations					
before extraordinary items	(.23)	.20	1.29	.81	2.16
Net income (loss)	(.24)	.19	1.29	.80	2.13
<u>1999</u> (1)					
Revenues	\$1,446.7	\$1,549.2	\$1,599.3	\$1,934.0	\$6,529.2
Operating income before depreciation and amortization (2)	425.1	457.3	463.9	533.7	1,880.0
Operating income	186.6	149.8	151.0	176.6	664.0
Income (loss) from continuing operations					
before extraordinary items	101.8	826.3	20.4	(167.6)	780.9
Basic earnings (loss) for common stockholders per common share					
Income (loss) from continuing operations					
before extraordinary items	.13	1.10	.02	(.23)	1.00
Net income (loss)	.10	1.10	.44	(.24)	1.38
Diluted earnings (loss) for common stockholders per common share					
Income (loss) from continuing operations					
before extraordinary items	.12	1.01	.03	(.23)	.95
Net income (loss)	.10	1.01	.41	(.24)	1.30

- (1) Results of operations for 2000 were affected by the Lenfest Acquisition in the first quarter, the Prime Acquisition and the gain recognized on the Excite@Home transaction in the third quarter, the gain on the AT&T cable systems exchange in the fourth quarter and the ZONES fair value adjustments throughout 2000 (see Notes 3 and 5). Results of operations for 1999 were affected by the acquisition of a controlling interest in Jones Intercable and the receipt of the MediaOne termination fee in the second quarter and the ZONES fair value adjustment in the fourth quarter (see Notes 3 and 5).
- (2) See Note 10, note 2.
- (3) The Company's consolidated results of operations for the fourth quarter of 2000 and 1999 are also affected by the seasonality of the Company's commerce operations.

MARKET FOR COMMON EQUITY AND RELATED STOCKHOLDER MATTERS

Our Class A Special Common Stock is included on Nasdaq under the symbol CMCSK and our Class A Common Stock is included on Nasdaq under the symbol CMCSA. There is no established public trading market for our Class B Common Stock. Our Class B Common Stock can be converted, on a share for share basis, into

Class A Special or Class A Common Stock. The following table sets forth, for the indicated periods, the closing price range of our Class A Special and Class A Common Stock as furnished by Nasdaq (as adjusted for our two-for-one stock split in the form of a 100% stock dividend in May 1999).

	Class A Special		Class A	
	High	Low	High	Low
2000				
First Quarter	\$54 9/16	\$38 5/16	\$51 7/16	\$36 1/4
Second Quarter	44 3/16	29 3/4	41 3/4	29 3/4
Third Quarter	41 1/16	31 1/16	40 11/16	30 3/4
Fourth Quarter	43 15/16	34	43 15/16	33 7/8
1999				
First Quarter	\$38 9/16	\$29 5/8	\$37 11/32	\$28 15/16
Second Quarter	42	29 7/16	39 11/16	28 3/8
Third Quarter	41 9/16	32 5/8	38 9/16	29 7/16
Fourth Quarter	56 1/2	35 11/16	53 1/8	32 1/16

We began paying quarterly cash dividends on our Class A Common Stock in 1977. From 1978, we paid equal dividends on shares of both our Class A Common Stock and our Class B Common Stock. From December 1986, when the Class A Special Common Stock was issued, through March 1999 we paid equal dividends on shares of our Class A Special, Class A and Class B Common Stock. We declared dividends of \$.0467 for the year ended December 31, 1998 on shares of our Class A Special, Class A and Class B Common Stock (as adjusted for our two-for-one stock split in the form of a 100% stock dividend in May 1999). Our Board of Directors eliminated the quarterly cash dividend on all classes of our common stock in March 1999. We do not intend to pay dividends on our Class A Special, Class A or Class B Common Stock for the foreseeable future.

If you hold shares of our Class A Special Common Stock, you cannot vote in the election of directors or

otherwise, except where class voting is required by law. In that case, if you hold Class A Special Common Stock, you have one vote per share. Generally, if you hold Class A Common Stock, you have one vote per share. If you hold Class B Common Stock, you have 15 votes per share. Generally, including the election of directors, holders of Class A Common Stock and Class B Common Stock vote as one class except where class voting is required by law. If you hold Class A Common Stock or Class B Common Stock, you have cumulative voting rights.

As of December 31, 2000, there were 4,066 record holders of our Class A Special Common Stock, 1,597 record holders of our Class A Common Stock and one record holder of our Class B Common Stock.

COMCAST CABLE COMMUNICATIONS INC

Filing Type: 10-K
Description: Annual Report
Filing Date: Mar 16, 2001
Period End: Dec 31, 2000

Primary Exchange: N/A
Ticker: N/A

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FORM 10-K

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934
FOR THE FISCAL YEAR ENDED

DECEMBER 31, 2000

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934
FOR THE TRANSITION PERIOD FROM _____ TO _____

Commission file number 333-30745

COMCAST CABLE COMMUNICATIONS, INC.
(Exact name of registrant as specified in its charter)

DELAWARE
(State or other jurisdiction
of incorporation or organization)

23-2175755
(I.R.S. Employer
Identification No.)

1500 Market Street, Philadelphia, PA
(Address of principal executive offices)

19102-2148
(Zip Code)

Registrant's telephone number, including area code: (215) 665-1700

SECURITIES REGISTERED PURSUANT TO SECTION 12(b) OF THE ACT:

NONE

SECURITIES REGISTERED PURSUANT TO SECTION 12(g) OF THE ACT:

NONE

Indicate by check mark whether the Registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the Registrant was required to file such reports) and (2) has been subject to such filing requirements for the past 90 days.

Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of Registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendments to this Form 10-K.

[Not applicable]

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As of December 31, 2000, there were 138.89 shares of Common Stock outstanding.

The Registrant meets the conditions set forth in General Instructions I(1)(a) and (b) of Form 10-K and is therefore filing this form with the reduced disclosure format.

DOCUMENTS INCORPORATED BY REFERENCE

NONE

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COMCAST CABLE COMMUNICATIONS, INC.
2000 FORM 10-K ANNUAL REPORT

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This Annual Report on Form 10-K is for the year ended December 31, 2000. This Annual Report modifies and supersedes documents filed prior to this Annual Report. The SEC allows us to "incorporate by reference" information that we file with them, which means that we can disclose important information to you by referring you directly to those documents. Information incorporated by reference is considered to be part of this Annual Report. In addition, information that we file with the SEC in the future will automatically update and supersede information contained in this Annual Report. In this Annual Report, "Comcast Cable," "we," "us" and "our" refer to Comcast Cable Communications, Inc. and its subsidiaries.

You should carefully review the information contained in this Annual Report, but should particularly consider any risk factors that we set forth in this Annual Report and in other reports or documents that we file from time to

time with the SEC. In this Annual Report, we state our beliefs of future events and of our future financial performance. In some cases, you can identify those so-called "forward-looking statements" by words such as "may," "will," "should," "expects," "plans," "anticipates," "believes," "estimates," "predicts," "potential," or "continue" or the negative of those words and other comparable words. You should be aware that those statements are only our predictions. Actual events or results may differ materially. In evaluating those statements, you should specifically consider various factors, including the risks outlined below. Those factors may cause our actual results to differ materially from any of our forward-looking statements.

Factors Affecting Future Operations

We have acquired and we anticipate acquiring cable communications systems in new communities in which we do not have established relationships with the franchising authority, community leaders and cable subscribers. Further, a substantial number of new employees are being and must continue to be integrated into our business practices and operations. Our results of operations may be significantly affected by our ability to efficiently and effectively manage these changes.

In addition, our businesses may be affected by, among other things:

- o changes in laws and regulations,
- o changes in the competitive environment,
- o changes in technology,
- o industry consolidation and mergers,
- o franchise related matters,
- o market conditions that may adversely affect the availability of debt and equity financing for working capital, capital expenditures or other purposes,
- o demand for the programming content we distribute, and
- o general economic conditions.

PART I

ITEM 1 BUSINESS

We are principally engaged in developing, managing and operating broadband communications networks. We are currently the third largest cable communications system operator in the United States and are in the process of deploying digital cable applications and high-speed cable modem service to expand the products available on our cable communications networks.

We are an indirect wholly owned subsidiary of Comcast Corporation. Our consolidated cable operations served approximately 7.6 million subscribers and passed approximately 12.7 million homes in the United States as of December 31, 2000. We and Comcast have entered into an agreement to acquire, subject to receipt of necessary regulatory and other approvals, up to 700,000 cable subscribers from AT&T Corp. Upon completion of this pending transaction, which is expected to close by the end of the second quarter of 2001 and the merger of Comcast Cablevision of Philadelphia Area I, Inc. with and into us, which is expected to close by the end of the third quarter of 2001, we will serve approximately 8.4 million subscribers.

We are a Delaware corporation that was organized in 1981. We have our principal executive offices at 1500 Market Street, Philadelphia, Pennsylvania 19102-2148. Our telephone number is (215) 665-1700. We also have a world wide web site at <http://www.comcast.com>. The information posted on our web site is not incorporated into this Annual Report.

GENERAL DEVELOPMENTS OF OUR BUSINESS

We entered into a number of significant transactions in 2000 which have closed or are expected to close in 2001. We have summarized these transactions

below and have more fully described them in Note 3 to our consolidated financial statements in Item 8 of this Annual Report.

Pending Transactions as of December 31, 2000

Adelphia Cable Systems Exchange

On January 1, 2001, we and Comcast completed our previously announced cable systems exchange with Adelphia Communications pursuant to which we received cable communications systems serving approximately 460,000 subscribers from Adelphia. In exchange, Adelphia received certain of our cable communications systems serving approximately 440,000 subscribers.

AT&T Cable Systems Acquisition

In August 2000, we and Comcast entered into an agreement with AT&T to acquire cable communications systems serving up to 700,000 subscribers from AT&T in exchange for AT&T common stock that we and Comcast currently own or may acquire, in a transaction intended to qualify as tax-free to us, to Comcast and to AT&T. The transaction is subject to customary closing conditions and regulatory approvals and is expected to close by the end of the second quarter 2001.

Philadelphia Area I Merger

Comcast intends to merge, subject to receipt of necessary regulatory and other approvals, its subsidiary, Comcast Cablevision of Philadelphia Area I, Inc. ("Greater Philadelphia"), a cable communications company serving approximately 85,000 subscribers in Philadelphia, Pennsylvania, with and into us. Upon completion of the merger, which is expected to close by the end of the third quarter of 2001, the operating results of Greater Philadelphia will be included in our consolidated financial statements from the June 1999 date of Comcast's acquisition of Greater Philadelphia.

Completed Transactions During 2000

Acquisition of Lenfest Communications, Inc.

In January 2000, Comcast acquired Lenfest Communications, Inc., a cable communications company serving approximately 1.1 million subscribers primarily in the Philadelphia area from AT&T and the other Lenfest stockholders for approximately 120.1 million shares of Comcast Class A Special Common Stock with a value of \$6.014 billion. In connection with Comcast's acquisition of Lenfest, Comcast assumed approximately \$1.326 billion of debt. Immediately upon closing of Comcast's acquisition of Lenfest, Lenfest was merged with and into Comcast's wholly owned subsidiary, Comcast LCI Holdings, Inc., with LCI Holdings as the successor to Lenfest. In August 2000, LCI Holdings was merged with and into us. The operating results of LCI Holdings are included in our consolidated financial statements from the January 2000 date of Comcast's acquisition of Lenfest.

Acquisition of CalPERS' Interest in Jointly Owned Cable Properties

In February 2000, we acquired the California Public Employees Retirement System's 45% interest in Comcast MHCP Holdings, L.L.C., formerly a 55% owned consolidated subsidiary of ours, which serves subscribers in Michigan, New Jersey and Florida. As a result, we now

own 100% of Comcast MHCP. The consideration was \$750.0 million in cash.

Acquisition of Remaining Interest in Jones Intercable, Inc.

In April 1999, Comcast acquired a controlling interest in Jones Intercable, Inc. and contributed such interest to us. In March 2000, Comcast acquired from the public shareholders the approximate 60% interest in Jones Intercable not

previously held by us for approximately 35.6 million shares of Comcast Class A Special Common Stock with a value of \$1.727 billion. Immediately upon closing, Jones Intercable was merged with and into Comcast's wholly owned subsidiary, Comcast JOIN Holdings, Inc., with JOIN Holdings as the successor to Jones Intercable. In August 2000, JOIN Holdings was merged with and into us. The operating results of JOIN Holdings are included in our consolidated financial statements from the April 1999 date of Comcast's acquisition of a controlling interest in Jones Intercable.

Acquisition of Prime Communications LLC

In August 2000, we acquired Prime Communications LLC, a cable communications company serving approximately 406,000 subscribers, for cash and through our conversion to equity of previously made loans to Prime that were contributed by Comcast to us. Upon closing of our acquisition of Prime, we assumed and immediately repaid \$532.0 million of Prime's debt with proceeds from borrowings under existing credit facilities.

Consolidation of Comcast Cablevision of Garden State, L.P.

Comcast Cablevision of Garden State, L.P., formerly Garden State Cablevision L.P., a cable communications company serving approximately 216,000 subscribers in New Jersey, is a partnership which was owned 50% by Lenfest and 50% by Comcast. As a result of Comcast's contribution of its 50% partnership interest in Garden State Cable to us in December 2000, we now own 100% of Garden State Cable. As such, the operating results of Garden State Cable have been included in our consolidated financial statements from the January 2000 date of Comcast's acquisition of Lenfest.

AT&T Cable Systems Exchange

On December 31, 2000, we and Comcast completed our previously announced cable systems exchange with AT&T Corp. pursuant to which we received cable communications systems serving approximately 770,000 subscribers. In exchange, AT&T received certain of our cable communications systems serving approximately 700,000 subscribers.

DESCRIPTION OF OUR BUSINESS

Technology and Capital Improvements

Our cable communications networks receive signals by means of:

- o special antennae,
- o microwave relay systems,
- o earth stations, and
- o coaxial and fiber optic cables.

Products and Services

We offer a variety of services over our cable communications networks, including traditional analog video and new services such as digital cable and high-speed cable modem service. Available service offerings depend on the bandwidth capacity of the cable communications system. Bandwidth, expressed in megahertz (MHz), is a measure of information-carrying capacity. It is the range of usable frequencies that can be carried by a cable communications system. The greater the bandwidth, the greater the capacity of the system. As of January 31, 2001, approximately 84% of our cable subscribers were served by a system with a capacity of at least 550-MHz and approximately 70% of our cable subscribers were served by a system with a capacity of at least 750-MHz.

Digital compression technology enables us to substantially increase the number of channels our cable communications systems can carry. Digital compression technology converts up to twelve analog signals into a digital format and compresses such signals into the bandwidth normally occupied by one analog signal. At the home, a set-top video terminal converts the digital signal into analog signals that can be viewed on a normal television set. Digital compression technology enables us to provide a significant number of additional

programming choices to our subscribers.

We are deploying fiber optic cable and upgrading the technical quality of our cable communications networks. As a result, the reliability and capacity of our systems have increased, aiding in the delivery of additional video programming and other services such as enhanced digital video, high-speed cable modem service and, in some areas, telephony.

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We will incur significant capital expenditures in the future for the upgrading and rebuilding of the cable communications systems acquired or to be acquired by us as a result of Comcast's acquisitions of Lenfest Communications and Jones Intercable, the systems exchanges with AT&T and Adelphia, as well as the pending systems acquisition from AT&T.

Franchises

Cable communications systems are constructed and operated under non-exclusive franchises granted by state or local governmental authorities for varying lengths of time and are subject to federal, state and local legislation and regulation. Our franchises typically provide for periodic payment of fees to franchising authorities of up to 5% of "revenues" (as defined by each franchise agreement). We normally pass those fees on to subscribers. In many cases, we need the consent of the franchising authority to transfer our franchises.

Although franchises historically have been renewed, renewals may include less favorable terms and conditions. Under existing law, franchises should continue to be renewed for companies that have provided adequate service and have complied generally with franchise terms. The franchising authority may choose to award additional franchises to competing companies at any time. As of January 31, 2001, we served approximately 1,775 franchise areas in the United States.

Traditional Analog Video Services

We receive the majority of our revenues from subscription services. Subscribers typically pay us on a monthly basis and generally may discontinue services at any time. Monthly subscription rates and related charges vary according to the type of service selected and the type of equipment used by subscribers.

We offer a full range of traditional analog video services. We tailor both our basic channel line-up and our additional channel offerings to each system according to demographics, programming preferences, competition, price sensitivity and local regulation. Our service offerings include the following programming packages:

- o basic programming,
- o expanded basic programming,
- o premium services, and
- o pay-per-view programming.

All of our video subscribers receive our basic cable service. This service generally consists of national television networks, local broadcast television, locally-originated programming, including governmental and public access, and limited satellite-delivered programming.

Our expanded basic cable service includes a group of satellite-delivered or non-broadcast channels such as Entertainment and Sports Programming Network (ESPN), Cable News Network (CNN) and MTV Networks (MTV), in addition to the basic channel line-up.

For an additional monthly fee, subscribers can also subscribe to our premium services either individually or in packages of several channels. Our premium services generally offer, without commercial interruption, feature motion pictures, live and taped sporting events, concerts and other special features. The charge for premium services depends upon the type and level of service selected by the subscriber. Our premium services may include offerings such as:

- o Home Box Office(R),
- o Cinemax(R),
- o Showtime(R),
- o The Movie Channel(TM),
- o Encore(R), and
- o Starz(R).

Our pay-per-view service permits our subscribers to order, for a separate fee, individual feature motion pictures and special event programs, such as professional boxing, professional wrestling and concerts on an unedited, commercial-free basis.

New Service Offerings

The high bandwidth capacity of our cable communications networks enables us to deliver substantially more channels and/or new and advanced products and services to our subscribers. A variety of emerging technologies and the rapid growth of the Internet have presented us with substantial opportunities to provide new or expanded products and services to our subscribers and to expand our sources of revenue. As a result, we have introduced the following new services for the benefit of both our residential and commercial subscribers:

- o digital cable television service, and
- o high-speed cable modem service installed in personal computers.

We have and will continue to upgrade our cable communications systems so that we can provide these and other new services such as video on demand, commonly

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known as VOD, interactive television and cable telephony more rapidly to our subscribers.

Digital Cable Service

We offer digital cable television services to subscribers in substantially all of our cable communications systems.

Subscribers to our digital cable service may receive a mix of additional television programming, an interactive program guide and multiple channels of digital music. The additional programming falls into four categories:

- o additional expanded basic channels,
- o additional premium channels,
- o "multiplexes" of premium channels to which a subscriber previously subscribed, such as multiple channels of Home Box Office or Showtime, which are varied as to time of broadcast or programming content theme, and

- o additional pay-per-view programming, such as more pay-per-view options and/or frequent showings of the most popular films to provide near video-on-demand.

Subscribers typically pay us on a monthly basis for digital cable services and generally may discontinue services at any time. Monthly subscription rates vary generally according to the level of service and the number of digital converters selected by the subscriber. We expect that purchases of these services by our subscribers will increase in the future.

High-Speed Cable Modem Service

We market Excite@Home's high-speed cable modem services as Comcast@Home in areas served by certain of our cable communications systems. Residential subscribers can connect their personal computers via cable modems to a high-speed national network developed and managed by Excite@Home. Subscribers can then access online information, including the Internet, at faster speeds than that of conventional modems. We also provide businesses with Internet connectivity solutions and networked business applications. We provide national and local content and sell advertising to businesses.

Other Revenue Sources

We also generate revenues from advertising sales, installation services, commissions from electronic retailing and other services. We generate revenues from the sale of advertising time to local, regional and national advertisers on non-broadcast channels.

Sales and Marketing

Our sales efforts are primarily directed toward generating incremental revenues in our franchise areas and increasing the number of subscribers we serve. We sell our products and services through:

- o telemarketing,
- o direct mail advertising,
- o door-to-door selling,
- o cable television advertising,
- o local media advertising, and
- o retail outlets.

Programming

We generally pay a monthly fee per subscriber per channel. Our programming costs are increased by:

- o increases in the number of subscribers,
- o expansion of the number of channels provided to customers, and
- o increases in contract rates from programming suppliers.

We attempt to secure long-term programming contracts with volume discounts and/or marketing support and incentives from programming suppliers. Our programming contracts are generally for a fixed period of time and are subject to negotiated renewal. We have experienced increases in our cost of programming and we anticipate that future contract renewals will result in programming costs that are higher than our costs today, particularly for sports programming.

We utilize interactive programming guides to provide our subscribers with current programming information, as well as advertising and other content.

Comcast recently formed a joint venture with other companies, including various cable companies, to develop additional sources for the interactive guide.

Customer Service

We manage most of our cable communications systems in geographic clusters. Clustering improves our ability to sell advertising, enhances our ability to efficiently introduce and market new products, and allows us to more efficiently and effectively provide customer

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service and support. As part of our clustering strategy, we have consolidated our local customer service operations into large regional call centers. These regional call centers have technologically advanced telephone systems that provide 24-hour per day, 7-day per week call answering capability, telemarketing and other services.

Our Cable Communications Systems

The table below summarizes certain subscriber information for our cable communications systems as of December 31 (homes, subscribers and subscriptions in thousands):

	2000(9)	1999(9)	1998	1997	1996
Cable					
Homes Passed (1).....	12,503	9,358	7,382	7,138	6,975
Subscribers (2).....	7,522	5,642	4,511	4,366	4,280
Penetration (3).....	60.2%	60.3%	61.1%	61.2%	61.4%
Digital Cable					
"Digital Ready" Subscribers (4).....	7,173	4,559	1,570		
Subscriptions (5).....	1,339	515	78		
Penetration (6).....	18.7%	11.3%	5.0%		
Comcast@Home					
"Modem Ready" Homes Passed (7).....	6,360	3,259	1,804	866	
Subscribers.....	400	142	51	10	
"Modem Ready" Penetration (8).....	6.3%	4.4%	2.8%	1.2%	

-
- (1) A home is "passed" if we can connect it to our distribution system without further extending the transmission lines.
 - (2) A dwelling with one or more television sets connected to a system counts as one cable subscriber.
 - (3) Cable penetration means the number of cable subscribers as a percentage of cable homes passed.
 - (4) A subscriber is "digital ready" if the subscriber is in a market where we have launched our digital cable service.
 - (5) Each digital converter box counts as one digital cable subscription.
 - (6) Digital cable penetration means the number of digital cable subscriptions as a percentage of "digital ready" subscribers. Certain subscribers may have multiple digital cable subscriptions.
 - (7) A home passed is "modem ready" if we can connect it to our Internet service connection system without further upgrading the transmission lines.
 - (8) "Modem ready" penetration means the number of Comcast@Home subscribers as a percentage of "modem ready" homes passed.
 - (9) In April 1999, Comcast acquired and contributed to us its controlling interest in Jones Intercable, Inc. In January 2000, Comcast acquired Lenfest Communications, Inc. and in August 2000 the successor to Lenfest was merged with and into us. In August 2000, we acquired Prime Communications LLC. In 2000, we began consolidating Comcast Cablevision of Garden State, L.P. as a result of Comcast's contribution of its 50% interest in Garden State Cable to us in December 2000. On January 1, 2001 and December 31, 2000, we and Comcast completed our cable systems exchanges

with Adelphia Communications and AT&T Corp., respectively. The subscriber information as of December 31, 2000 excludes the effects of our exchanges with Adelphia and AT&T.

Competition

Our cable communications systems compete with a number of different sources which provide news, information and entertainment programming to consumers, including:

- o local television broadcast stations that provide off-air programming which can be received using a roof-top antenna and television set,
- o program distributors that transmit satellite signals containing video programming, data and other information to receiving dishes of varying sizes located on the subscriber's premises,
- o satellite master antenna television systems, commonly known as SMATV, which generally serve condominiums, apartment and office complexes and residential developments,
- o other operators who build and operate communications systems in the same communities that we serve,
- o interactive online computer services,
- o newspapers, magazines and book stores,

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- o movie theaters,
- o live concerts and sporting events, and
- o home video products.

In order to compete effectively, we strive to provide, at a reasonable price to subscribers:

- o superior technical performance,
- o superior customer service,
- o a greater variety of video programming, and
- o new products and services.

Federal law allows local telephone companies to provide, directly to subscribers, a wide variety of services that are competitive with our cable communications services. Some local telephone companies provide or plan to provide video services within and outside their telephone service areas through a variety of methods, including cable networks, satellite program distribution and wireless transmission facilities.

A local telephone company, Ameritech, and facilities-based competitors such as RCN Corporation and Knology Holdings, Inc., among others, are now offering cable and other communications services in various areas where we hold franchises. We anticipate that facilities-based competitors will develop in other franchise areas that we serve.

Local telephone companies and other businesses construct and operate communications facilities that provide access to the Internet and distribute interactive computer-based services, data and other non-video services to homes and businesses. These competitors are not required, in certain circumstances, to comply with some of the material obligations imposed upon our cable communications systems under our franchises. We are unable to predict the likelihood of success of competing video or cable service ventures by local telephone companies or other businesses. Nor can we predict the impact these competitive ventures might have on our business and operations.

We operate each of our cable communications systems pursuant to a non-exclusive franchise that is issued by the community's governing body such as a city council, a county board of supervisors or a state regulatory agency. Federal law prohibits franchising authorities from unreasonably denying requests for additional franchises, and it permits franchising authorities to operate cable systems. Companies that traditionally have not provided cable services and that have substantial financial resources (such as public utilities that own certain of the poles to which our cables are attached) may also obtain cable franchises and may provide competing communications services.

In the past few years, Congress has enacted legislation and the Federal Communications Commission, commonly known as the FCC, has adopted regulatory policies intended to provide a more favorable operating environment for existing and new technologies that provide, or have the potential to provide, substantial competition to our cable communications systems. These technologies include direct broadcast satellite service, commonly known as DBS, among others. According to recent government and industry reports, conventional, medium and high-power satellites currently provide video programming to over 14.5 million individual households, condominiums, apartment and office complexes in the United States. DBS providers with high-power satellites typically offer to their subscribers more than 300 channels of programming, including programming services substantially similar to those provided by cable communications systems.

DBS service can be received virtually anywhere in the continental United States through the installation of a small roof top or side-mounted antenna. DBS systems use video compression technology to increase channel capacity and digital technology to improve the quality of the signals transmitted to their subscribers. Our digital cable service is competitive with the programming, channel capacity and the digital quality of signals delivered to subscribers by DBS systems. We are and will continue to deploy digital cable service in the communities that we serve.

Two major companies, DirecTV and Echostar, are currently offering nationwide high-power DBS services. Federal legislation establishes, among other things, a permanent compulsory copyright license that permits satellite carriers to retransmit local broadcast television signals to subscribers who reside inside the local television station's market. These companies are transmitting local broadcast signals in many markets which we serve. As a result, satellite carriers are more competitive to cable communications system operators like us because they offer programming which more closely resembles what we offer. These companies and others are also developing ways to bring advanced communications services to their customers. They are currently offering satellite-delivered high-speed Internet access services with a telephone return path and are beginning to provide true two-way interactivity. We are unable to predict the effects these competitive developments might have on our business and operations.

Our cable communications systems also compete for subscribers with SMATV systems. SMATV system operators typically are not subject to regulation like local

franchised cable communications system operators. SMATV systems offer subscribers both improved reception of local television stations and many of the same satellite-delivered programming services offered by franchised cable communications systems. In addition, some SMATV operators are developing and/or offering packages of telephony, data and video services to private residential and commercial developments. SMATV system operators often enter into exclusive service agreements with building owners or homeowners' associations, although some states have enacted laws to provide cable communications systems access to these complexes. Courts have reviewed challenges to these laws and have reached varying results.

Many of our cable communications systems are currently offering high-speed cable modem services to subscribers. These systems compete with a number of other companies, many of whom have substantial resources, such as:

- o existing Internet service providers, commonly known as ISPs,
- o local telephone companies, and
- o long distance telephone companies.

A number of companies, including telephone companies and ISP's, have asked local, state and federal governments to mandate that cable communications systems operators provide capacity on their broadband infrastructure so that these companies and others may deliver high-speed Internet access and interactive television services directly to customers over cable facilities.

The deployment of Digital Subscriber Line technology, known as DSL, allows Internet access to subscribers at data transmission speeds equal to or greater than that of modems over conventional telephone lines. Numerous companies, including telephone companies, have introduced DSL service and certain telephone companies are seeking to provide high-speed broadband services without regard to present service boundaries and other regulatory restrictions. We are unable to predict the likelihood of success of competing online services offered by our competitors or what impact these competitive ventures may have on our business and operations.

We expect advances in communications technology, as well as changes in the marketplace and the regulatory and legislative environment to occur in the future. We refer you to the discussion below for a detailed discussion of legislative and regulatory factors. Other new technologies and services may develop and may compete with services that our cable communications systems offer. Consequently, we are unable to predict the effect that ongoing or future developments might have on our business and operations.

LEGISLATION AND REGULATION

The Communications Act of 1934, as amended, establishes a national policy to regulate the development and operation of cable communications systems. The Communications Act allocates responsibility for enforcing federal policies among the FCC, state and local governmental authorities. The courts, especially the federal courts, play an important oversight role as these statutory and regulatory provisions are interpreted and enforced by the various federal, state and local governmental units.

We expect that court actions and regulatory proceedings will continue to refine the rights and obligations of various parties, including the government, under the Communications Act. The results of these judicial and administrative proceedings may materially affect our business operations. In the following paragraphs, we summarize the principal federal laws and regulations materially affecting the growth and operation of the cable communications industry. We also provide a brief description of certain state and local laws applicable to our businesses.

The Communications Act and FCC Regulations

The Communications Act and the regulations and policies of the FCC affect significant aspects of our cable system operations, including:

- o subscriber rates,
- o the content of programming we offer our subscribers, as well as the way we sell our program packages to subscribers and other video program distributors,
- o the use of our cable systems by local franchising authorities, the public and other unrelated third parties,
- o our franchise agreements with governmental authorities,
- o cable system ownership limitations and prohibitions, and
- o our use of utility poles and conduit.

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Subscriber Rates

The Communications Act and the FCC's regulations and policies limit the ability of cable systems to raise rates for basic services and equipment in communities that are not subject to effective competition, as defined by federal law. Where there is no effective competition, federal law gives franchising authorities the power to regulate the monthly rates charged by the operator for:

- o the lowest level of programming service, typically called basic service, which generally includes local broadcast channels and public access or governmental channels required by the operator's franchise, and
- o the installation, sale and lease of equipment used by subscribers to receive basic service, such as converter boxes and remote control units.

The FCC has adopted detailed rate regulations, guidelines and rate forms that we and the franchising authority must use in connection with the regulation of our basic service and equipment rates. If the franchising authority concludes that our rates are not in accordance with the FCC's rate regulations, it may require us to reduce our rates and to refund overcharges to subscribers, with interest. We may appeal adverse rate decisions to the FCC.

The Communications Act and the FCC's regulations also:

- o prohibit regulation of rates charged by cable operators for programming offered on a per channel or per program basis, and for multi-channel groups of non-basic programming,
- o require operators to charge uniform rates throughout each franchise area that is not subject to effective competition,
- o prohibit regulation of non-predatory bulk discount rates offered by operators to subscribers in commercial and residential developments, and
- o permit regulated equipment rates to be computed by aggregating costs of broad categories of equipment at the franchise, system, regional or company level.

Content Requirements

The Communications Act and the FCC's regulations contain broadcast signal carriage requirements that allow certain local commercial television broadcast stations:

- o to elect once every three years to require a cable communications system to carry the station, subject to certain exceptions, or
- o to negotiate with us on the terms by which we carry the station on our cable communications system, commonly called retransmission consent.

The Communications Act and the FCC's regulations require a cable operator to devote up to one-third of its activated channel capacity for the mandatory carriage of local commercial television stations. The Communications Act also gives local non-commercial television stations mandatory carriage rights; however, such stations are not given the option to negotiate retransmission consent for the carriage of their signals by cable systems. Additionally, cable systems must obtain retransmission consent for:

- o all "distant" commercial television stations (except for commercial satellite-delivered independent "superstations" such as WGN),
- o commercial radio stations, and
- o certain low-power television stations.

The FCC recently adopted regulations which require us to carry the signals of local digital-only broadcast stations (both commercial and non-commercial) and the digital signals of those local broadcast stations that return their analog spectrum to the government and convert to a digital broadcast format. The FCC's rules give the digital only broadcast stations the discretion to elect whether the operator will carry the station's signal in a digital or converted analog format and to tie the carriage of their digital signals with the carriage of their analog signals as a retransmission consent condition. We are unable to predict the ultimate outcome of this proceeding or the impact any new carriage requirements might have on the operations of our cable systems.

The Communications Act requires our cable systems to permit subscribers to purchase video programming on a per channel or a per program basis without the necessity of subscribing to any tier of service, other than the basic cable service tier. However, we are not required to comply with this requirement until 2002 for any of our cable systems that do not have addressable converter boxes or that have other substantial technological limitations. A limited number of our systems do not have the technological capability to offer programming in the manner required by the statute and thus currently are exempt from complying with this requirement.

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To increase competition between cable operators and other video program distributors, the Communications Act:

- o precludes any satellite video programmer affiliated with a cable company, or with a common carrier providing video programming directly to its subscribers, from favoring an affiliated company over competitors,
- o requires such programmers to sell their satellite-delivered programming to other video program distributors, and
- o limits the ability of such programmers to offer exclusive programming arrangements to their affiliates.

The FCC has concluded that the program access rules do not apply to certain

terrestrially-delivered programming, such as Comcast SportsNet, Comcast's 24-hour regional sports programming network which is available to approximately 2.6 million of our subscribers in the Philadelphia area. The FCC decision is currently under appeal.

The Communications Act contains restrictions on the transmission by cable operators of obscene or indecent programming. The Communications Act requires the cable operator, upon the request of the subscriber, to scramble or otherwise fully block any channel the subscriber does not wish to receive. A three-judge federal district court determined that certain restrictions on channels primarily dedicated to sexually oriented programming were unconstitutional. The United States Supreme Court recently affirmed the lower court's ruling.

The FCC actively regulates other aspects of our programming, involving such areas as:

- o our use of syndicated and network programs and local sports broadcast programming,
- o advertising in children's programming,
- o political advertising,
- o origination cablecasting,
- o sponsorship identification, and
- o closed captioning of video programming.

Use of Our Cable Systems by The Government and Unrelated Third Parties

The Communications Act allows franchising authorities and unrelated third parties to have access to our cable systems' channel capacity. For example, it:

- o permits franchising authorities to require cable operators to set aside channels for public, educational and governmental access programming, and
- o requires a cable system with 36 or more activated channels to designate a significant portion of its channel capacity for commercial leased access by third parties to provide programming that may compete with services offered by the cable operator.

The FCC regulates various aspects of third party commercial use of channel capacity on our cable systems, including the rates and certain terms and conditions of the commercial use.

Recently, a number of companies, including telephone companies and ISPs have asked local, state and federal governments to mandate that cable communications systems operators provide capacity on their broadband infrastructure so that these companies and others may deliver high-speed Internet access and interactive television services directly to customers over cable facilities. Some cable operators, including us, have initiated litigation challenging municipal efforts to unilaterally impose so-called "open access" requirements. The few court decisions dealing with this issue have been inconsistent. The FCC recently initiated a regulatory proceeding to consider "open access" and related regulatory issues and, in connection with its review of the recent AOL-Time Warner merger, imposed, together with the Federal Trade Commission, "open access," technical performance and other requirements related to the merged company's Internet and Instant Messaging platforms. Whether the policy framework reflected in these agencies' merger reviews will be imposed on an industry-wide basis is uncertain. We cannot predict the ultimate outcome of this administrative proceeding or the impact of any new access requirements on the operation of our cable systems.

Franchise Matters

Although franchising matters are normally regulated at the local level through a franchise agreement and/or a local ordinance, the Communications Act provides oversight and guidelines to govern our relationship with local franchising authorities. For example, the Communications Act:

- o affirms the right of franchising authorities (state or local, depending on the practice in individual states) to award one or more franchises within their jurisdictions,
- o generally prohibits us from operating in communities without a franchise,

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- o encourages competition with our existing cable systems by:
 - o allowing municipalities to operate cable systems without franchises, and
 - o preventing franchising authorities from granting exclusive franchises or from unreasonably refusing to award additional franchises covering an existing cable system's service area,
- o permits local authorities, when granting or renewing our franchises, to establish requirements for certain cable-related facilities and equipment, but prohibits franchising authorities from establishing requirements for specific video programming or information services other than in broad categories,
- o permits us to obtain modification of our franchise requirements from the franchise authority or by judicial action if warranted by changed circumstances,
- o generally prohibits franchising authorities from:
 - o imposing requirements during the initial cable franchising process or during franchise renewal that require, prohibit or restrict us from providing telecommunications services,
 - o imposing franchise fees on revenues we derive from providing telecommunications services over our cable systems, or
 - o restricting our use of any type of subscriber equipment or transmission technology, and
- o limits our payment of franchise fees to the local franchising authority to 5% of our gross revenues derived from providing cable services over our cable system.

The Communications Act contains procedures designed to protect us against arbitrary denials of the renewal of our franchises, although a franchising authority under various conditions can deny us a franchise renewal. Moreover, even if our franchise is renewed, the franchising authority may seek to impose upon us new and more onerous requirements such as significant upgrades in facilities and services or increased franchise fees as a condition of renewal. Similarly, if a franchising authority's consent is required for the purchase or sale of our cable system or franchise, the franchising authority may attempt to impose more burdensome or onerous franchise requirements on us in connection with a request for such consent. Historically, cable operators providing satisfactory services to their subscribers and complying with the terms of their franchises have typically obtained franchise renewals. We believe that we have generally met the terms of our franchise agreements and have provided quality levels of service. We anticipate that our future franchise renewal prospects

generally will be favorable.

Various courts have considered whether franchising authorities have the legal right to limit the number of franchises awarded within a community and to impose certain substantive franchise requirements (e.g. access channels, universal service and other technical requirements). These decisions have been inconsistent and, until the United States Supreme Court rules definitively on the scope of cable operators' constitutional and statutory protections, the legality of the franchising process generally and of various specific franchise requirements is likely to be in a state of flux.

Ownership Limitations

The Communications Act generally prohibits us from owning or operating a SMATV or wireless cable system in any area where we provide franchised cable service. We may, however, acquire and operate SMATV systems in our franchised service areas if the programming and other services provided to SMATV subscribers are offered according to the terms and conditions of our franchise agreement.

The Communications Act also authorizes the FCC to impose nationwide limits on the number of subscribers under the control of a cable operator and on the number of channels that can be occupied on a cable system by video programmers in which the cable operator has an attributable ownership interest.

A federal appellate court rejected constitutional challenges to the statutory ownership limitations and the United States Supreme Court recently declined to review that case. However, the same federal appellate court in a separate case recently reversed the FCC's adoption of a 30% nationwide subscriber ownership limit, the FCC's limitation on the number of affiliated video programming services carried on an operator's system, and the FCC's modification of certain ownership attribution rules. We are unable to predict the final outcome of this judicial proceeding or of any FCC reconsideration of its ownership rules, or the impact any revised FCC ownership restrictions might have on our business and operations.

The Communications Act eliminated the statutory prohibition on the common ownership, operation or control of a cable system and a television broadcast station in the same market. While the FCC has eliminated its regulations which precluded the cross-ownership of a national broadcasting network and a cable system, it has retained

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other regulations which prohibit the common ownership of other broadcasting interests and cable systems in the same geographical areas.

The 1996 amendments to the Communications Act made far-reaching changes in the relationship between local telephone companies and cable service providers. These amendments:

- o eliminated federal legal barriers to competition in the local telephone and cable communications businesses, including allowing local telephone companies to offer video services in their local telephone service areas,
- o preempted state and local laws and regulations which impose barriers to telecommunications competition,
- o set basic standards for relationships between telecommunications providers, and
- o generally limited acquisitions and prohibited certain joint ventures between local telephone companies and cable operators in the same market.

Local telephone companies may provide service as traditional cable operators with local franchises or they may opt to provide their programming over unfranchised "open video systems," subject to certain conditions, including, but not limited to, setting aside a portion of their channel capacity for use by unaffiliated program distributors on a non-discriminatory basis. A federal appellate court overturned various parts of the FCC's open video rules, including the FCC's preemption of local franchising requirements for open video operators. The FCC has modified its open video rules to comply with the federal court decision. We are unable to predict the impact these rule modifications may have on our business and operations.

Pole Attachment Regulation

The Communications Act requires the FCC to regulate the rates, terms and conditions imposed by public utilities for cable systems' use of utility pole and conduit space unless state authorities demonstrate to the FCC that they adequately regulate pole attachment rates, as is the case in certain states in which we operate. In the absence of state regulation, the FCC administers pole attachment rates on a formula basis. The FCC's original rate formula governs the maximum rate certain utilities may charge for attachments to their poles and conduit by cable operators providing only cable services. The FCC also adopted a second rate formula that became effective in February 2001 and governs the maximum rate certain utilities may charge for attachments to their poles and conduit by companies providing telecommunications services, including cable operators.

Any resulting increase in attachment rates due to the FCC's new rate formula will be phased in over a five-year period in equal annual increments, beginning in February 2001. Several parties have requested the FCC to reconsider its new regulations and several parties challenged the new rules in court. A federal appellate court upheld the constitutionality of the new statutory provision which requires that utilities provide cable systems and telecommunications carriers with nondiscriminatory access to any pole, conduit or right-of-way controlled by the utility. However, the same court determined in a separate case that the FCC did not have authority to regulate the rates, terms and conditions of cable operators' pole attachments that are simultaneously used to provide high-speed Internet access and cable services. Based upon this decision, a number of companies that control utility poles in areas served by us have already announced and unilaterally implemented significant changes in contract terms and increases in the rates charged for cable pole attachments. We have joined in several complaints filed at the FCC by various state cable associations challenging certain utilities' rate increases and the unilateral imposition of new contract terms. Although the adverse appellate court decision has been stayed pending review by the United States Supreme Court, if the decision is not reversed, the contract terms imposed by utilities on cable operators for pole attachments will likely be more onerous. We are unable to predict the outcome of the legal challenge to the FCC's new regulations or the ultimate impact any revised FCC rate formula, any new pole attachment rate regulations or any elimination or modification of the FCC's regulatory authority might have on our business and operations.

Other Regulatory Requirements of the Communications Act and the FCC

The Communications Act also includes provisions, among others, regulating:

- o customer service,
- o subscriber privacy,
- o marketing practices,
- o equal employment opportunity, and
- o technical standards and equipment compatibility.

The FCC actively regulates other parts of our cable operations and has adopted regulations implementing its authority under the Communications Act.

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The FCC may enforce its regulations through the imposition of substantial fines, the issuance of cease and

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desist orders and/or the imposition of other administrative sanctions, such as the revocation of FCC licenses needed to operate certain transmission facilities often used in connection with cable operations. The FCC has ongoing rulemaking proceedings that may change its existing rules or lead to new regulations. We are unable to predict the impact that any further FCC rule changes may have on our business and operations.

Other bills and administrative proposals pertaining to cable communications have previously been introduced in Congress or have been considered by other governmental bodies over the past several years. It is probable that further attempts will be made by Congress and other governmental bodies relating to the regulation of cable communications services.

Copyright

Our cable communications systems provide our subscribers with local and distant television and radio broadcast signals which are protected by the copyright laws. We generally do not obtain a license to use this programming directly from the owners of the programming; instead we comply with an alternative federal copyright licensing process. In exchange for filing certain reports and contributing a percentage of our revenues to a federal copyright royalty pool, we obtain blanket permission to retransmit copyrighted material.

In a report to Congress, the U.S. Copyright Office recommended that Congress make major revisions to both the cable television and satellite compulsory licenses. Congress recently modified the satellite compulsory license in a manner that permits DBS providers to become more competitive with cable operators like us. The possible simplification, modification or elimination of the cable communications compulsory copyright license is the subject of continuing legislative review. The elimination or substantial modification of the cable compulsory license could adversely affect our ability to obtain suitable programming and could substantially increase the cost of programming that remains available for distribution to our subscribers. We are unable to predict the outcome of this legislative activity.

Our cable communications systems often utilize music in the programs we provide to subscribers including local advertising, local origination programming and pay-per-view events. The right to use this music is controlled by music performing rights organizations who negotiate on behalf of their members for license fees covering each performance. The cable industry and one of these organizations have agreed upon a standard licensing agreement covering the performance of music contained in programs originated by cable operators and in pay-per-view events. Negotiations on a similar licensing agreement are in process with another music performing rights organization. Rate courts established by a federal court exist to determine appropriate copyright coverage and payments in the event the parties fail to reach a negotiated settlement. We are unable to predict the outcome of these proceedings or the amount of any license fees we may be required to pay for the use of music. We do not believe that the amount of such fees will be significant to our financial position, results of operations or liquidity.

State and Local Regulation

Our cable systems use local streets and rights-of-way. Consequently, we must comply with state and local regulation which is typically imposed through the franchising process. The terms and conditions of our franchises vary materially from jurisdiction to jurisdiction. Each franchise generally contains

provisions governing:

- o cable service rates,
- o franchise fees,
- o franchise term,
- o system construction and maintenance obligations,
- o system channel capacity,
- o design and technical performance,
- o customer service standards,
- o franchise renewal,
- o sale or transfer of the franchise,
- o service territory of the franchisee,
- o indemnification of the franchising authority,
- o use and occupancy of public streets, and
- o types of cable services provided.

A number of states subject cable systems to the jurisdiction of state governmental agencies. Those states in which we operate that have enacted such state level regulation are Connecticut, New Jersey and Delaware. State and local franchising jurisdiction is not unlimited, however; it must be exercised consistently with federal law. The Communications Act immunizes franchising authorities from monetary damage awards arising from the regulation of cable systems or decisions made on franchise grants, renewals, transfers and amendments.

The summary of certain federal and state regulatory requirements in the preceding pages does not describe all present and proposed federal, state and local regulations and legislation affecting the cable industry. Other existing

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federal regulations, copyright licensing, and, in many jurisdictions, state and local franchise requirements, are currently the subject of judicial proceedings, legislative hearings and administrative proposals which could change, in varying degrees, the manner in which cable systems operate. We are unable to predict the outcome of these proceedings or their impact upon our cable operations at this time.

EMPLOYEES

As of December 31, 2000, we had approximately 18,000 employees. We believe that our relationships with our employees are good.

ITEM 2 PROPERTIES

A central receiving apparatus, distribution cables, servers, analog and digital converters, cable modems, customer service call centers and local business offices are the principal physical assets of a cable communications system. We own or lease the receiving and distribution equipment of each system and own or lease parcels of real property for the receiving sites, customer service call centers and local business offices. In order to keep pace with technological advances, we are maintaining, periodically upgrading and

rebuilding the physical components of our cable communications systems.

We believe that substantially all of our physical assets are in good operating condition.

ITEM 3 LEGAL PROCEEDINGS

We are subject to legal proceedings and claims which arise in the ordinary course of our business. In the opinion of our management, the amount of ultimate liability with respect to these actions will not materially affect our financial position, results of operations or liquidity.

ITEM 4 SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS

Information for this Item is omitted pursuant to SEC General Instruction I to Form 10-K.

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PART II

ITEM 5 MARKET FOR THE REGISTRANT'S COMMON EQUITY AND RELATED STOCKHOLDER MATTERS

Common Stock

Absence of Trading Market

Our common stock is not publicly traded. Therefore, there is no established public trading market for the common stock, and none is expected to develop in the foreseeable future.

Holdings

All of our shares of common stock, \$1.00 par value, are owned either directly or indirectly by Comcast Corporation.

Dividends

None.

ITEM 6 SELECTED FINANCIAL DATA

Information for this item is omitted pursuant to SEC General Instruction I to Form 10-K.

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ITEM 7 MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

Information for this item is omitted pursuant to SEC General Instruction I to Form 10-K, except as noted below.

We are an indirect wholly owned subsidiary of Comcast Corporation ("Comcast").

In August 2000, two wholly owned subsidiaries of Comcast, Comcast LCI Holdings, Inc. ("LCI Holdings") and Comcast JOIN Holdings, Inc. ("JOIN Holdings") were merged into us (the "Reorganization"). Jones Intercable, Inc.

("Jones Intercable"), the predecessor to JOIN Holdings, owned cable systems and was acquired by Comcast in April 1999 and March 2000. Lenfest Communications, Inc. ("Lenfest"), the predecessor to LCI Holdings, owned cable systems and was acquired by Comcast in January 2000. The Reorganization was accounted for at Comcast's historical cost in a manner similar to a pooling of interests. Accordingly, our consolidated financial statements include the accounts of the merged subsidiaries since the dates of their acquisition by Comcast.

In August 2000, Comcast contributed a note, convertible into 90% of the equity of Prime Communications LLC ("Prime"), loans and related accrued interest which was due to Comcast from Prime, and cash to us (the "Prime Contribution"). Immediately thereafter, we converted the note, plus accrued interest on the note and the loans to equity and the owners of Prime sold their remaining 10% equity interest in Prime to us for \$87.7 million (the "Prime Acquisition"). The Prime Acquisition was funded with the proceeds from a capital contribution from Comcast and was accounted for under the purchase method of accounting. As such, the operating results of Prime have been included in our consolidated statement of operations from the date of the Prime Acquisition.

In December 2000, Comcast contributed its 50% interest in Comcast Cablevision of Garden State, L.P. ("Garden State Cable") (formerly Garden State Cablevision L.P.) to us. Garden State Cable is a partnership which was owned 50% by Lenfest and 50% by Comcast. As a result of Comcast's acquisition of Lenfest and Comcast's contribution of its 50% interest in Garden State Cable (the "Garden State Contribution"), we now own 100% of Garden State Cable. The Garden State Cable Contribution was accounted for at Comcast's historical cost in a manner similar to a pooling of interests. Accordingly, our consolidated financial statements include the accounts of Garden State Cable from the January 2000 date of Comcast's acquisition of Lenfest.

See Notes 2 and 3 to our consolidated financial statements included in Item 8.

Liquidity and Capital Resources

Financing

See Note 5 to our consolidated financial statements included in Item 8.

The \$1.776 billion increase in our long-term debt, including current portion, results principally from the \$2.146 billion of aggregate debt that we assumed in connection with the Reorganization, the Prime Contribution and the Garden State Contribution (see Notes 3 and 5 to our consolidated financial statements included in Item 8) and \$369.2 million of retirements and repayments, net of borrowings.

As of December 31, 2000 and 1999, our long-term debt, including current portion, was \$6.714 billion and \$4.938 billion, respectively. Excluding the effects of interest rate risk management instruments, 36.5% and 34.3% of our long-term debt as of December 31, 2000 and 1999, respectively, was at variable rates.

In December 2000, Comcast contributed to us \$196.7 million principal amount of our 10 1/2% senior subordinated notes due 2006 which were held by Comcast. As such, amounts outstanding as of December 31, 2000 have been treated as effectively retired.

In December 2000, Comcast issued \$1.285 billion principal amount at maturity of Zero Coupon Convertible Debentures due 2020 (the "Zero Coupon Debentures") for proceeds of \$1.002 billion. Comcast advanced substantially all of the net proceeds from the offering to us in order to repay a portion of the amounts outstanding under our commercial paper program and bank credit facility. As such, in addition to our outstanding long term debt, we had an aggregate of \$860.1 million of notes payable to Comcast and Comcast's subsidiaries as of December 31, 2000 (see Note 6 to our consolidated financial statements included in Item 8).

In January 2001, we sold an aggregate of \$1.5 billion of public debt consisting of \$500.0 million of 6.375% Senior Notes due 2006 and \$1.0 billion of 6.75% Senior Notes due 2011. In January 2001, Comcast issued \$192.8 million principal amount at maturity of Zero Coupon Convertible Debentures. We and Comcast used substantially all of the net proceeds from the offerings to repay a portion of the amounts outstanding under our

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commercial paper program and bank credit facility. After giving effect to these subsequent transactions, and excluding the effects of interest rate risk management instruments, 12.2% of our long-term debt was at variable rates.

Interest Rate Risk Management

We are exposed to the market risk of adverse changes in interest rates. To manage the volatility relating to these exposures, we maintain a mix of fixed and variable rate debt and enter into various derivative transactions pursuant to our policies. Positions are monitored using techniques including market value and sensitivity analyses. We do not hold or issue any derivative financial instruments for trading purposes and are not a party to leveraged instruments. The credit risks associated with our derivative financial instruments are controlled through the evaluation and monitoring of the creditworthiness of the counterparties. Although we may be exposed to losses in the event of nonperformance by the counterparties, we do not expect such losses, if any, to be significant.

Using interest rate exchange agreements ("Swaps"), we agree to exchange, at specified intervals, the difference between fixed and variable interest amounts calculated by reference to an agreed-upon notional principal amount. Interest rate cap agreements ("Caps") are used to lock in a maximum interest rate should variable rates rise, but enable us to otherwise pay lower market rates. Interest rate collar agreements ("Collars") limit our exposure to and benefits from interest rate fluctuations on variable rate debt to within a certain range of rates.

The table set forth below summarizes the fair values and contract terms of financial instruments subject to interest rate risk maintained by us as of December 31, 2000 (dollars in millions):

	Expected Maturity Date							Fair Value at 12/31/00
	2001	2002	2003	2004	2005	Thereafter	Total	
Debt								
Fixed Rate.....	\$3.3	\$203.0	\$0.6	\$300.5	\$697.0	\$3,061.4	\$4,265.8	\$4,423.7
Average Interest Rate.....	9.7%	9.6%	8.2%	8.1%	8.3%	7.9%	8.1%	
Variable Rate.....					\$2,448.5		\$2,448.5	\$2,448.5
Average Interest Rate.....					6.8%		6.8%	
Interest Rate Instruments								
Fixed to Variable Swaps.....				\$300.0		\$150.0	\$450.0	\$3.2
Average Pay Rate.....				7.5%		7.9%	7.7%	
Average Receive Rate.....				8.1%		8.3%	8.2%	

The notional amounts of interest rate instruments, as presented in the table above are used to measure interest to be paid or received and do not represent the amount of exposure to credit loss. The estimated fair value approximates the proceeds (costs) to settle the outstanding contracts. Interest rates on variable debt are estimated by us using the average implied forward London Interbank Offer Rate ("LIBOR") rates for the year of maturity based on the yield curve in effect at December 31, 2000, plus the borrowing margin in

effect for each credit facility at December 31, 2000. Average receive rates on the Variable to Fixed Swaps are estimated by us using the average implied forward LIBOR rates for the year of maturity based on the yield curve in effect at December 31, 2000. While Swaps, Caps and Collars represent an integral part of our interest rate risk management program, their incremental effect on interest expense for the years ended December 31, 2000, 1999 and 1998 was not significant.

Results of Operations

The effects of the Reorganization, the Prime Contribution and the Garden State Contribution were to increase our revenues and expenses, resulting in increases in our operating income before depreciation and amortization. The increases in our property and equipment, deferred charges and long-term debt (see Notes 5 and 9 to our consolidated financial statements included in Item 8) and the corresponding increases in depreciation expense, amortization expense and interest expense from 1999 to 2000 are primarily due to the effects of the Reorganization, the Prime Contribution and the Garden State Contribution, as well as our increased levels of capital expenditures.

Our depreciation and amortization expense for years subsequent to 2000 will increase significantly as a result of our cable systems exchanges with AT&T Corp. ("AT&T") and Adelphia Communications ("Adelphia"),

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which closed on December 31, 2000 and January 1, 2001, respectively.

Our summarized consolidated financial information for the years ended December 31, 2000 and 1999 is as follows (dollars in millions, "NM" denotes percentage is not meaningful):

	Year Ended December 31,		Increase / (Decrease)	
	2000	1999	\$	%
Analog video.....	\$3,492.0	\$2,535.9	\$956.1	37.7%
Digital video.....	114.0	30.9	83.1	NM
Cable modem.....	114.4	44.5	69.9	NM
Advertising sales.....	288.6	190.0	98.6	51.9
Other.....	132.9	105.2	27.7	26.3
Service income.....	4,141.9	2,906.5	1,235.4	42.5
Operating, selling, general and administrative expenses...	2,517.9	1,927.7	590.2	30.6
Operating income before depreciation and amortization (1).....	1,624.0	978.8	645.2	65.9
Depreciation and amortization.....	2,382.7	1,027.7	1,365.0	NM
Operating loss.....	(758.7)	(38.9)	719.8	NM
Interest expense.....	515.7	352.9	162.8	46.1
Interest expense on notes payable to affiliates.....	9.1	10.0	(0.9)	(9.0)
Investment expense (income).....	1.5	(6.8)	8.3	NM
Equity in net losses of affiliates.....	9.3	2.4	6.9	NM
Other (income) expense.....	(1,707.3)	4.2	1,711.5	NM
Income tax expense (benefit).....	299.9	(46.2)	346.1	NM
Minority interest.....		107.9	(107.9)	NM
Income (loss) before extraordinary items.....	\$113.1	(\$247.5)	\$360.6	NM

(1) Operating income before depreciation and amortization is commonly referred to in the cable communications business as "operating cash flow." Operating cash flow is a measure of a company's ability to generate cash to service its obligations, including debt service obligations, and to finance capital and other expenditures. In part due to the capital intensive nature of the cable communications business and the resulting significant level of non-cash depreciation and amortization expense, operating cash flow is

frequently used as one of the bases for comparing businesses in the cable communications industry, although our measure of operating cash flow may not be comparable to similarly titled measures of other companies. Operating cash flow is the primary basis used by our management to measure the operating performance of our business. Operating cash flow does not purport to represent net income or net cash provided by operating activities, as those terms are defined under generally accepted accounting principles, and should not be considered as an alternative to such measurements as an indicator of our performance.

Service Income

Of the \$956.1 million increase from 1999 to 2000 in analog video service income, which consists of our basic, expanded basic, premium and pay-per-view services, \$863.2 million is attributable to the effects of the Reorganization, the Prime Contribution and the Garden State Contribution, and \$92.9 million relates principally to changes in rates and subscriber growth in our historical operations, offset by slightly lower pay-per-view revenue. The increase from 1999 to 2000 in digital video service income is due primarily to the addition of approximately 824,000 digital subscriptions during the year ended December 31, 2000 and, to a lesser extent, to the effects of a new, higher-priced digital service offering made in the second half of 2000. The increase from 1999 to 2000 in cable modem service income is primarily due to the addition of approximately 258,000 cable modem subscribers during the year ended December 31, 2000. Approximately one-half of the increase from 1999 to 2000 in advertising sales revenue is attributable to the effects of the merger of LCI Holdings into us, with the remaining increase attributable to the effects of the 2000 political campaigns and increased cable viewership. The increase from 1999 to 2000 in other service income, which includes installation revenues, guide revenues, commissions from electronic retailing and other product offerings, is primarily attributable to the Reorganization.

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Operating, Selling, General and Administrative Expenses

See Note 7 to our consolidated financial statements included in Item 8.

The increases in operating, selling, general, and administrative expenses from 1999 to 2000 are primarily due to the effects of the Reorganization, the Prime Contribution and the Garden State Cable Contribution, increases in the costs of cable programming as a result of changes in rates, subscriber growth and additional channel offerings, the effects of cable modem subscriber growth, and, to a lesser extent, to increases in labor costs and other volume related expenses in our historical operations. We anticipate the cost of cable programming will increase in the future as cable programming rates increase and additional sources of cable programming become available.

Interest Expense

The \$162.8 million increase from 1999 to 2000 is primarily due to the effects of the Reorganization offset, in part, by the effects of our repayments and retirement of debt. We anticipate that, for the foreseeable future, interest expense will be a significant cost to us.

Interest Expense on Notes Payable to Affiliates

The \$0.9 million decrease from 1999 to 2000 is primarily attributable to the elimination of outstanding notes payable to affiliates as a result of a capital contribution from Comcast.

Investment Expense (Income)

During the year ended December 31, 2000, in connection with the merger of

certain publicly traded companies held by us and accounted for as investments available for sale, we recognized a pre-tax gain of \$33.0 million, representing the difference between the fair value of the securities received by us and our basis in the securities exchanged. This gain was recorded as a reclassification from accumulated other comprehensive (loss) income to investment income.

During the year ended December 31, 2000, we recorded pre-tax losses of \$42.8 million on certain of our investments based on a decline in value that was considered other than temporary.

Equity In Net Losses of Affiliates

The \$6.9 million increase from 1999 to 2000 is primarily attributable to our proportionate interest in the net loss of Susquehanna Cable, an equity investee of ours as a result of the Reorganization.

Other (Income) Expense

In December 2000, in connection with our cable systems exchange with AT&T pursuant to which we received cable communications systems serving approximately 770,000 subscribers in exchange for certain of our cable communications systems serving approximately 700,000 subscribers, we recorded a pre-tax gain of \$1.711 billion, representing the difference between the estimated fair value as of the closing date of the transaction and our cost basis in the systems exchanged.

The \$4.2 million of other expense for the year ended December 31, 1999 relates primarily to the non-cable operations of Jones Intercable.

Income Tax Expense (Benefit)

Income tax expense for the year ended December 31, 2000 is primarily the result of the effects of our income before income tax expense, minority interest and extraordinary items, and non-deductible goodwill amortization.

Minority Interest

The \$107.9 million decrease from 2000 to 1999 is attributable to the effects of Comcast's contribution of Jones Intercable to us in April 1999 and to the effects of our acquisition of the minority interest of MHCP Holdings, L.L.C. in February 2000.

Extraordinary Items

Extraordinary items for the years ended December 31, 2000 and 1999 consist of unamortized debt issue costs and debt extinguishment costs, net of related tax benefits, expensed in connection with the redemption and refinancing of certain indebtedness.

We believe that our operations are not materially affected by inflation.

Anticipated Transaction

Comcast intends to merge its subsidiary, Comcast Cablevision of Philadelphia Area I, Inc. ("Greater Philadelphia") with and into us (the "Greater Philadelphia Merger"). The Greater Philadelphia Merger is expected to close by the end of the third quarter of 2001, subject to receipt of regulatory approvals. Greater Philadelphia was acquired by Comcast on June 30, 1999 for approximately 8.5 million shares of Comcast Class A Special Common Stock with a value of \$291.7 million. Upon closing, the

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Greater Philadelphia Merger will be accounted for at Comcast's historical cost, in a manner similar to a pooling of interests and our consolidated financial statements will include the results of Greater Philadelphia since the June 1999 date of Comcast's acquisition.

Expected Impact of Adoption of SFAS No. 133

We adopted Statement of Financial Accounting Standards No. 133, "Accounting for Derivative Instruments and Hedging Activities", as amended, on January 1, 2001, as required by the new statement. This statement establishes accounting and reporting standards for derivatives and hedging activities (see Note 2 to our consolidated financial statements included in Item 8). Adoption of the new statement will affect our accounting for our equity warrant agreements and interest rate exchange agreements.

Under the new statement, our derivative instruments, which are comprised solely of derivative financial instruments, must be recorded at fair value on our consolidated balance sheet with changes in fair value recorded, except under specific circumstances, to our consolidated statement of operations. Recording changes in the fair value of our derivative instruments to our consolidated statement of operations represents a change from our current accounting whereby generally these changes are recorded as a component of stockholders' equity. When specific circumstances exist, hedge accounting is permitted when the derivative instrument is designated as a hedge. Hedge accounting permits changes in the fair value of our derivative instruments to be either substantially offset in our consolidated statement of operations by changes in the fair value of the hedged item or deferred as a component of stockholders' equity until the hedged item is recognized in our consolidated statement of operations.

In connection with the adoption of the new statement, we expect to recognize as expense a cumulative effect of change in accounting principle, net of tax, of approximately \$60 million in the first quarter of 2001, principally related to the reclassification of losses previously recognized as a component of other comprehensive (loss) income on our equity derivative instruments, net of related deferred income tax benefits.

The adoption of the new statement will also result in a decrease in other comprehensive loss as a result of the reclassification to our consolidated statement of operations of pre-tax losses of approximately \$85 million, primarily related to our equity warrant agreements as discussed above. The decrease will be recorded in the first quarter of 2001, net of related deferred income tax benefits, of approximately \$30 million.

Adoption of the new statement will likely result in volatility from period to period in investment (income) expense as reported on our consolidated statement of operations. We are unable to predict the effects this volatility may have on our future earnings.

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ITEM 8 FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

INDEPENDENT AUDITORS' REPORT

Board of Directors and Stockholders
Comcast Cable Communications, Inc.
Philadelphia, Pennsylvania

We have audited the accompanying consolidated balance sheet of Comcast Cable Communications, Inc. (an indirect wholly owned subsidiary of Comcast Corporation) and subsidiaries as of December 31, 2000 and 1999, and the related consolidated statements of operations, cash flows and stockholders' equity for each of the three years in the period ended December 31, 2000. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audits. We did not audit the consolidated financial statements of Jones

Intercable, Inc. ("Jones") (a consolidated subsidiary) as of December 31, 1999 and for the year then ended, which statements reflect total assets constituting 18% of consolidated total assets as of December 31, 1999, and total revenues constituting 14% of consolidated total revenues for the year then ended. Those statements were audited by other auditors whose report has been furnished to us, and our opinion, insofar as it relates to the amounts included for Jones, is based solely on the report of such other auditors.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits and the report of the other auditors provide a reasonable basis for our opinion.

In our opinion, based on our audits and the report of the other auditors, such consolidated financial statements present fairly, in all material respects, the financial position of Comcast Cable Communications, Inc. and subsidiaries as of December 31, 2000 and 1999, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2000 in conformity with accounting principles generally accepted in the United States of America.

/s/ Deloitte & Touche LLP
Philadelphia, Pennsylvania
February 23, 2001

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

CONSOLIDATED BALANCE SHEET

(Dollars in millions, except share data)

	December 31,	
	2000	1999
ASSETS		
CURRENT ASSETS		
Cash and cash equivalents.....	\$44.2	\$61.0
Investments.....	52.6	0.4
Cash held by an affiliate.....	74.2	34.0
Accounts receivable, less allowance for doubtful accounts of \$39.9 and \$31.2.	241.7	128.4
Due from affiliate.....	0.6	
Other current assets.....	48.0	29.7
Total current assets.....	461.3	253.5
INVESTMENTS.....	590.9	119.4
NOTES RECEIVABLE FROM AFFILIATES.....	99.3	
PROPERTY AND EQUIPMENT.....	5,720.5	4,354.0
Accumulated depreciation.....	(1,322.6)	(1,477.4)
Property and equipment, net.....	4,397.9	2,876.6
DEFERRED CHARGES		
Franchise and license acquisition costs.....	15,297.2	3,898.6
Excess of cost over net assets acquired and other.....	8,492.6	5,111.4
Accumulated amortization.....	23,789.8	9,010.0
	(3,535.2)	(2,291.7)

Deferred charges, net.....	20,254.6	6,718.3
	\$25,804.0	\$9,967.8
LIABILITIES AND STOCKHOLDERS' EQUITY		
CURRENT LIABILITIES		
Accounts payable and accrued expenses.....	\$798.8	\$461.2
Accrued interest.....	74.1	62.6
Current portion of long-term debt.....	3.3	202.6
Due to affiliates.....		160.2
Total current liabilities.....	876.2	886.6
LONG-TERM DEBT, less current portion.....	6,711.0	4,735.3
NOTES PAYABLE TO AFFILIATES.....	860.1	
DUE TO AFFILIATE.....		664.2
DEFERRED INCOME TAXES, due to affiliate, net.....	5,016.4	1,635.6
MINORITY INTEREST AND OTHER.....	283.1	237.3
COMMITMENTS AND CONTINGENCIES (NOTE 10)		
STOCKHOLDERS' EQUITY		
Common stock, \$1 par value - authorized 1,000 shares; issued, 138.89 and 1,000 shares		
Additional capital.....	15,272.8	4,931.4
Accumulated deficit.....	(3,044.1)	(3,150.1)
Accumulated other comprehensive (loss) income.....	(171.5)	27.5
Total stockholders' equity.....	12,057.2	1,808.8
	\$25,804.0	\$9,967.8

See notes to consolidated financial statements.

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

CONSOLIDATED STATEMENT OF OPERATIONS
(Dollars in millions)

	Year Ended December 31,		
	2000	1999	1998
SERVICE INCOME.....	\$4,141.9	\$2,906.5	\$2,277.4
COSTS AND EXPENSES			
Operating.....	1,636.8	1,242.4	972.5
Selling, general and administrative.....	881.1	685.3	520.5
Depreciation and amortization.....	2,382.7	1,017.7	674.1
	4,900.6	2,945.4	2,167.1
OPERATING (LOSS) INCOME.....	(758.7)	(38.9)	110.3
OTHER (INCOME) EXPENSE			
Interest expense.....	515.7	352.9	223.6
Interest expense on notes payable to affiliates, net.....	9.1	10.0	52.1
Investment expense (income).....	1.5	(6.8)	(6.7)
Equity in net losses of affiliates.....	9.3	2.4	0.4
Other (income) expense.....	(1,707.3)	4.2	(9.1)
	(1,171.7)	362.7	260.3
INCOME (LOSS) BEFORE INCOME TAX EXPENSE (BENEFIT), MINORITY INTEREST AND EXTRAORDINARY ITEMS.....	413.0	(401.6)	(150.0)
INCOME TAX EXPENSE (BENEFIT).....	299.9	(46.2)	(35.8)

INCOME (LOSS) BEFORE MINORITY INTEREST AND EXTRAORDINARY ITEMS.....	113.1	(355.4)	(114.2)
MINORITY INTEREST.....		107.9	17.0
INCOME (LOSS) BEFORE EXTRAORDINARY ITEMS.....	113.1	(247.5)	(97.2)
EXTRAORDINARY ITEMS.....	(7.1)	(6.2)	(0.1)
NET INCOME (LOSS).....	\$106.0	(\$253.7)	(\$97.3)

See notes to consolidated financial statements.

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

CONSOLIDATED STATEMENT OF CASH FLOWS
(Dollars in millions)

	Year Ended December 31,		
	2000	1999	1998
OPERATING ACTIVITIES			
Net income (loss).....	\$106.0	(\$253.7)	(\$97.3)
Adjustments to reconcile net income (loss) to net cash provided by operating activities:			
Depreciation and amortization.....	2,382.7	1,017.7	674.1
Non-cash interest expense.....	3.2	0.9	0.4
Non-cash interest expense on notes payable to affiliates.....		5.0	2.3
Deferred expenses charged by an affiliate.....	95.9	139.4	126.0
Equity in net losses of affiliates.....	9.3	2.4	0.4
Gains on sales of investments and other income, net.....	(1,697.1)	(0.9)	(7.9)
Minority interest.....		(107.9)	(17.0)
Extraordinary items.....	7.1	6.2	0.1
Deferred income tax expense (benefit), due to affiliate.....	288.4	(71.2)	(43.1)
Other.....	(0.1)	(4.4)	(1.2)
	1,195.4	733.5	636.8
Changes in working capital.....	94.7	48.4	64.3
Net cash provided by operating activities.....	1,290.1	781.9	701.1
FINANCING ACTIVITIES			
Proceeds from borrowings.....	4,252.6	176.6	1,724.9
Repayments of long-term debt.....	(4,628.5)	(201.6)	(870.9)
Proceeds from notes payable to affiliates.....	986.2	40.3	137.4
Repayment of notes payable to affiliates.....	(126.1)	(40.3)	(700.3)
Increase in notes receivable from affiliates.....	(63.8)		
Capital contributions from parent.....	418.7	960.1	
Net transactions with affiliates.....	53.2	(6.4)	41.0
Deferred financing costs and other.....	(34.6)	8.1	(12.0)
Net cash provided by financing activities.....	857.7	936.8	320.1
INVESTING ACTIVITIES			
Acquisitions, net of cash acquired.....	(164.7)	(41.8)	(259.7)
(Purchases of) proceeds from sales of short-term investments....	(0.1)	(0.1)	0.1
Investments in affiliates.....	(576.3)	(750.0)	
Proceeds from sales of investments.....	76.4	5.9	
Capital expenditures.....	(1,248.0)	(731.8)	(711.1)
(Increase) decrease in cash held by an affiliate.....	(40.2)	23.1	(0.5)
Additions to deferred charges and other.....	(211.7)	(197.5)	(56.2)
Net cash used in investing activities.....	(2,164.6)	(1,692.2)	(1,027.4)

(DECREASE) INCREASE IN CASH AND CASH EQUIVALENTS.....	(16.8)	26.5	(6.2)
CASH AND CASH EQUIVALENTS, beginning of year	61.0	34.5	40.7
CASH AND CASH EQUIVALENTS, end of year	\$44.2	\$61.0	\$34.5

See notes to consolidated financial statements.

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

CONSOLIDATED STATEMENT OF STOCKHOLDERS' EQUITY
(Dollars in millions)

	Common Stock	Additional Capital	Accumulated Deficit	Accumulated Other Comprehensive (Loss) Income	Total
BALANCE, JANUARY 1, 1998.....	\$	\$3,066.2	(\$2,799.1)	\$	\$267.1
Comprehensive loss:					
Net loss.....			(97.3)		
Unrealized gains on marketable securities, net of deferred taxes of \$1.7.....				3.2	
Total comprehensive loss.....					(94.1)
BALANCE, DECEMBER 31, 1998.....		3,066.2	(2,896.4)	3.2	173.0
Comprehensive loss:					
Net loss.....			(253.7)		
Unrealized gains on marketable securities, net of deferred taxes of \$13.0.....				24.3	
Total comprehensive loss.....					(229.4)
Capital contributions from parent.....		1,865.2			1,865.2
BALANCE, DECEMBER 31, 1999.....		4,931.4	(3,150.1)	27.5	1,808.8
Comprehensive loss:					
Net income.....			106.0		
Unrealized losses on marketable securities, net of deferred taxes of \$107.1.....				(199.0)	
Total comprehensive loss.....					(93.0)
Capital contributions from parent.....		10,341.4			10,341.4
BALANCE, DECEMBER 31, 2000.....	\$	\$15,272.8	(\$3,044.1)	(\$171.5)	\$12,057.2

See notes to consolidated financial statements.

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES
-----NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998

1. BUSINESS

Comcast Cable Communications, Inc., a Delaware corporation, and subsidiaries (the "Company") is an indirect wholly owned subsidiary of Comcast Corporation ("Comcast"). The Company and its subsidiaries are engaged in the development, management and operation of broadband communications networks in the United States. The Company's consolidated cable operations served approximately 7.6 million subscribers and passed approximately 12.7 million homes as of December 31, 2000.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES AND OTHER ITEMS

Basis of Consolidation

The consolidated financial statements include the accounts of the Company and all wholly owned or controlled subsidiaries. All significant intercompany accounts and transactions among consolidated entities have been eliminated.

Reorganization

In August 2000, two wholly owned subsidiaries of Comcast, Comcast LCI Holdings, Inc. ("LCI Holdings") and Comcast JOIN Holdings, Inc. ("JOIN Holdings") were merged into the Company (the "Reorganization"). Lenfest Communications, Inc. ("Lenfest"), the predecessor to LCI Holdings, owned cable systems and was acquired by Comcast in January 2000. Jones Intercable, Inc. ("Jones Intercable"), the predecessor to JOIN Holdings, owned cable systems and was acquired by Comcast in April 1999 and March 2000. The Reorganization was accounted for at Comcast's historical cost in a manner similar to a pooling of interests. Accordingly, the accompanying consolidated financial statements include the accounts of the merged subsidiaries since the dates of their acquisition by Comcast (see Note 3). The Reorganization had no significant impact on the Company's consolidated statement of cash flows during the year ended December 31, 2000 due to its noncash nature (see Note 9).

Management's Use of Estimates

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Fair Values

The estimated fair value amounts presented in these consolidated financial statements have been determined by the Company using available market information and appropriate methodologies. However, considerable judgment is required in interpreting market data to develop the estimates of fair value. The estimates presented herein are not necessarily indicative of the amounts that the Company could realize in a current market exchange. The use of different market assumptions and/or estimation methodologies may have a material effect on the estimated fair value amounts. Such fair value estimates are based on pertinent information available to management as of December 31, 2000 and 1999, and have not been comprehensively revalued for purposes of these consolidated financial statements since such dates.

A reasonable estimate of fair value of the notes receivable from affiliates, the notes payable to affiliates and the amounts due from/to affiliates in the Company's consolidated balance sheet is not practicable

to obtain because of the related party nature of these items and the lack of quoted market prices.

Cash Equivalents and Cash Held by an Affiliate

Cash equivalents consist principally of certificates of deposit with maturities of three months or less when purchased. The carrying amounts of the Company's cash equivalents approximate their fair values.

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Cash held by an affiliate consists of cash held by a subsidiary of Comcast under a cash management program (see Note 7).

Investments

Investments consist principally of equity securities and certificates of deposit with maturities of greater than three months when purchased.

Investments in entities in which the Company has the ability to exercise significant influence over the operating and financial policies of the investee are accounted for under the equity method. Equity method investments are recorded at original cost and adjusted periodically to recognize the Company's proportionate share of the investees' net income or losses after the date of investment, additional contributions made and dividends received.

Unrestricted publicly traded investments are classified as available for sale and recorded at their fair value, with unrealized gains or losses resulting from changes in fair value between measurement dates recorded as a component of other comprehensive (loss) income.

Restricted publicly traded investments and investments in privately held companies are stated at cost, adjusted for any known diminution in value (see Note 4).

Property and Equipment

Property and equipment are stated at cost. Depreciation is provided on a straight-line basis over estimated useful lives as follows:

Buildings and improvements	10-40 years
Operating facilities.....	5-20 years
Other equipment.....	2-10 years

Improvements that extend asset lives are capitalized; other repairs and maintenance charges are expensed as incurred. The cost and related accumulated depreciation applicable to assets sold or retired are removed from the accounts and the gain or loss on disposition is recognized as a component of depreciation expense.

In connection with the rebuild and upgrade of cable systems, the Company depreciates the remaining net book value of the assets over the estimated rebuild or upgrade period. Under this policy, the Company recorded additional depreciation expense of \$66.0 million, \$19.7 million and \$34.4 million during the years ended December 31, 2000, 1999 and 1998, respectively.

Capitalized Costs

The costs associated with the construction of cable transmission and distribution facilities and new cable service installations are capitalized. Costs include all direct labor and materials as well as certain indirect costs.

Deferred Charges

Franchise and license acquisition costs are amortized on a straight-line basis over their legal or estimated useful lives ranging principally from 3 to 20 years. The excess of cost over the fair value of net assets acquired is being amortized on a straight-line basis principally over estimated useful lives of 20 years. Debt issue costs are being amortized on a straight-line basis over the term of the related debt.

Valuation of Long-Lived Assets

The Company periodically evaluates the recoverability of its long-lived assets, including property and equipment and deferred charges, using objective methodologies whenever events or changes in circumstances indicate that the carrying amount may not be recoverable. Such methodologies include evaluations based on the cash flows generated by the underlying assets, profitability information, including estimated future operating results, trends

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

or other determinants of fair value. If the total of the expected future undiscounted cash flows is less than the carrying amount of the asset, a loss is recognized for the difference between the fair value and the carrying value of the asset.

Revenue Recognition

Service income is recognized as service is provided. Credit risk is managed by disconnecting services to customers who are delinquent. Advertising sales revenue is recognized at estimated realizable values when the advertising is aired.

Postretirement and Postemployment Benefits

The estimated costs of retiree benefits and benefits for former or inactive employees, after employment but before retirement, are accrued and recorded as a charge to operations during the years the employees provide services. The Company's retiree benefit obligation is unfunded and all benefits are provided and paid by Comcast. Accordingly, the Company's liability for these costs is included in due to affiliates.

Investment Income

Investment income includes interest income, dividend income and gains, net of losses, on the sale or exchange of marketable securities and long-term investments. Gross realized gains and losses are recognized using the specific identification method. Investment income also includes impairment losses resulting from adjustments to the net realizable value of certain of the Company's investments (see Note 4).

Income Taxes

The Company recognizes deferred tax assets and liabilities for temporary differences between the financial reporting basis and the tax basis of the Company's assets and liabilities and expected benefits of utilizing net operating loss carryforwards. The impact on deferred taxes of changes in tax rates and laws, if any, applied to the years during which temporary

differences are expected to be settled, are reflected in the consolidated financial statements in the period of enactment.

Derivative Financial Instruments

The Company employs derivative financial instruments for a number of purposes. The Company manages its exposure to fluctuations in interest rates by entering into interest rate exchange agreements ("Swaps"), interest rate cap agreements ("Caps") and interest rate collar agreements ("Collars"). Swaps, Caps and Collars are matched with either fixed or variable rate debt and periodic cash payments are accrued on a settlement basis as an adjustment to interest expense. Any premiums associated with these instruments are amortized over their term and realized gains or losses as a result of the termination of the instruments are deferred and amortized over the remaining term of the underlying debt. Unrealized gains and losses as a result of these instruments are recognized when the underlying hedged item is extinguished or otherwise terminated.

The Company makes investments in businesses, to some degree, through the purchase of equity call option or call warrant agreements ("Equity Warrants"). Equity warrants are marked to market on a current basis with the result included in accumulated other comprehensive (loss) income in the Company's consolidated balance sheet.

Those instruments that have been entered into by the Company to hedge exposure to interest rate risk are periodically examined by the Company to ensure that the instruments are matched with underlying liabilities, reduce the Company's risks relating to interest rates, and, through market value and sensitivity analysis, maintain a high correlation to the interest expense of the hedged item. For those instruments that do not meet the above criteria, variations in their fair value are marked-to-market on a current basis in the Company's consolidated statement of operations.

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

The Company does not hold or issue any derivative financial instruments for trading purposes and is not a party to leveraged instruments (see Note 5). The credit risks associated with the Company's derivative financial instruments are controlled through the evaluation and monitoring of the creditworthiness of the counterparties. Although the Company may be exposed to losses in the event of nonperformance by the counterparties, the Company does not expect such losses, if any, to be significant.

SFAS No. 133, as Amended

In June 1998, the Financial Accounting Standards Board ("FASB") issued SFAS No. 133, "Accounting for Derivative Instruments and Hedging Activities." This statement establishes accounting and reporting standards for derivatives and hedging activities. The new standard requires that all derivative instruments be reported on the balance sheet at their fair values. For derivative instruments designated and effective as fair value hedges, changes in the fair value of the derivative instrument will be substantially offset in the statement of operations by changes in the fair value of the hedged item. For derivative instruments designated as cash flow hedges, the effective portion of any hedge is reported in other comprehensive (loss) income until it is recognized in earnings during the same period in which the hedged item affects earnings. The ineffective portion of all hedges will be recognized in current earnings each period.

Changes in the fair value of derivative instruments that are not designated as a hedge will be recorded each period in current earnings.

In July 1999, the FASB issued SFAS No. 137 which deferred the effective date for implementation of SFAS No. 133 to fiscal years beginning after June 15, 2000. In June 2000, the FASB issued SFAS No. 138 which addressed certain issues causing implementation difficulties for entities that apply SFAS No. 133. The Company adopted SFAS No. 133, as amended, on January 1, 2001. Instruments that the Company has entered into that will be accounted for under SFAS No. 133, as amended, include Equity Warrants and Swaps. See Management's Discussion and Analysis of Financial Condition and Results of Operations included in Item 7 of the Company's Annual Report on Form 10-K for a discussion of the expected impact the adoption of SFAS No. 133 will have on the Company's consolidated financial position and results of operations.

SAB No. 101, as Amended

In December 1999, the staff of the Securities and Exchange Commission ("SEC") issued Staff Accounting Bulletin ("SAB") No. 101, "Revenue Recognition in Financial Statements," which provides guidance in applying generally accepted accounting principles to selected revenue recognition issues. In March 2000 and June 2000, the staff of the SEC amended SAB No. 101 to delay the required implementation date of SAB No. 101 to the fourth quarter of fiscal years beginning after December 15, 1999. The Company adopted SAB No. 101, as amended, on October 1, 2000. The adoption of SAB No. 101, as amended, did not have a material impact on the Company's results of operations.

Reclassifications

Certain reclassifications have been made to the prior years' consolidated financial statements to conform to those classifications used in 2000.

3. ACQUISITIONS AND OTHER SIGNIFICANT EVENTS

AT&T Cable Systems Exchange

On December 31, 2000, the Company and Comcast completed their previously announced cable systems exchange with AT&T Corp. ("AT&T") pursuant to which the Company received cable communications systems serving approximately 770,000 subscribers. In exchange, AT&T received certain of the Company's cable communications systems serving approximately 700,000 subscribers. In connection with the exchange, the Company recorded to other income a pre-tax gain of \$1.711 billion, representing the difference between the estimated fair value as of the closing date of the transaction and the Company's cost basis in the systems exchanged.

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Acquisition of Prime Communications LLC

In December 1998, Comcast agreed to invest in Prime Communications LLC ("Prime"), a cable communications company serving approximately 406,000 subscribers. Pursuant to the terms of this agreement, in December 1998 Comcast acquired from Prime a \$50.0 million 12.75% subordinated note due 2008 issued by Prime. In July 1999, Comcast made a loan to Prime in the form of a \$733.5 million 6% ten year note, convertible into 90% of the equity of Prime. Since that time, Comcast made an additional \$70.0 million in loans to Prime (on the same terms as the original loan). In August 2000,

Comcast made a capital contribution of the note, plus accrued interest of \$51.7 million on the note and the loans to the Company (the "Prime Contribution"). Immediately thereafter, the Company converted the note, plus accrued interest on the note and the loans to equity and the owners of Prime sold their remaining 10% equity interest in Prime to the Company for \$87.7 million. As a result, the Company owns 100% of Prime and assumed management control of Prime's operations (the "Prime Acquisition"). The Prime Acquisition was funded with proceeds from a capital contribution from Comcast. The Company assumed and immediately repaid \$532.0 million of Prime's debt with proceeds from borrowings under existing credit facilities.

Acquisition of Jones Intercable, Inc.

In April 1999, Comcast acquired a controlling interest in Jones Intercable, a cable communications company serving approximately 1.1 million subscribers for aggregate consideration of \$706.3 million in cash. Also on that date, Comcast contributed its shares in Jones Intercable to the Company. In June 1999, Comcast purchased an additional 1.0 million shares of Jones Intercable Class A Common Stock for \$50.0 million in cash in a private transaction and contributed such shares to the Company. The acquisitions were accounted for under the purchase method of accounting.

In March 2000, the Jones Intercable shareholders approved a merger agreement pursuant to which the Jones Intercable shareholders, including the Company, received 1.4 shares of Comcast's Class A Special Common Stock in exchange for each share of Jones Intercable Class A Common Stock and Common Stock (the "Jones Merger"), and Jones Intercable was merged with and into JOIN Holdings, with JOIN Holdings as the successor to Jones Intercable. In connection with the closing of the merger, the Company exchanged its 39.6% interest in Jones Intercable for approximately 23.3 million shares of Comcast Class A Special Common Stock. As the consideration received for the Company's interest in Jones Intercable was shares of Comcast Class A Special Common Stock, the exchange had no significant impact on the Company's consolidated statement of cash flows during the year ended December 31, 2000 (see Note 9).

In May 2000, the Company sold its interest in its wholly owned subsidiary which held the Comcast Class A Special Common Stock to a wholly owned subsidiary of Comcast in consideration for amounts due to affiliates totaling \$758.1 million related to management fees and programming charges (see Note 7). The Company did not record any gain or loss on the transaction as it was between subsidiaries under the common control of Comcast. In August 2000, JOIN Holdings was merged into the Company (see Note 2).

Acquisition of CalPERS' Interest in Jointly Owned Cable Properties

In February 2000, the Company acquired the California Public Employees Retirement System's ("CalPERS") 45% interest in Comcast MHCP Holdings, L.L.C. ("Comcast MHCP"), formerly a 55% owned consolidated subsidiary of the Company which serves subscribers in Michigan, New Jersey and Florida. As a result, the Company now owns 100% of Comcast MHCP. The consideration was \$750.0 million in cash and was funded with the proceeds from a capital contribution that the Company received from Comcast (see Note 7).

Acquisition of Lenfest Communications, Inc.

In January 2000, Comcast acquired Lenfest, a cable communications company serving approximately 1.1 million subscribers primarily in the Philadelphia area from AT&T and the other Lenfest stockholders for approximately 120.1 million shares of Comcast's Class A Special Common Stock, with a value of \$6.014 billion (the "Lenfest Acquisition"). In connection with the Lenfest Acquisition, Comcast assumed approximately \$1.326 billion of debt.

COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Immediately upon closing of the Lenfest Acquisition, Lenfest was merged with and into LCI Holdings with LCI Holdings as the successor to Lenfest. In August 2000, LCI Holdings was merged into the Company (see Note 2).

Consolidation of Comcast Cablevision of Garden State, L.P.
Comcast Cablevision of Garden State, L.P. ("Garden State Cable") (formerly Garden State Cablevision L.P.), a cable communications company serving approximately 216,000 subscribers in New Jersey, is a partnership which was owned 50% by Lenfest and 50% by Comcast. In December 2000, Comcast contributed its 50% interest in Garden State Cable to the Company. As a result of the Lenfest Acquisition and Comcast's contribution of its 50% interest in Garden State Cable, the Company now owns 100% of Garden State Cable. The contribution of Comcast's 50% interest in Garden State Cable was accounted for at Comcast's historical cost in a manner similar to a pooling of interests. Accordingly, the accompanying consolidated financial statements include the accounts of Garden State Cable since the date of the Lenfest Acquisition. The contribution did not have a significant impact on the Company's consolidated statement of cash flows during the year ended December 31, 2000 due to its noncash nature (see Note 9).

The acquisitions completed by the Company and Comcast during the years ended December 31, 2000 and 1999 were accounted for under the purchase method of accounting. As such, the operating results of the acquired systems have been included in the Company's consolidated statement of operations from the acquisition date. The Company recorded the final purchase price allocation related to the acquisitions of Lenfest, Garden State Cable, CalPERS' interest in Comcast MHCP and of the public shareholders' interest in Jones Intercable during the fourth quarter of 2000. The allocation of the purchase price for the acquisition of Prime and the AT&T cable systems exchange, is preliminary pending completion of final appraisals.

Unaudited Pro Forma Information

The following unaudited pro forma information for the years ended December 31, 2000, 1999 and 1998 has been presented as if the Jones Merger and the acquisitions of Lenfest, CalPERS' interest in Comcast MHCP and Prime, the consolidation of Garden State Cable and the cable systems acquired through the exchange with AT&T each occurred on January 1, 1999, and the acquisition by Comcast of a controlling interest in Jones Intercable occurred on January 1, 1998. This information is based on historical results of operations, adjusted for acquisition costs, and, in the opinion of management, is not necessarily indicative of what the results would have been had the Company operated Jones Intercable, Comcast MHCP, Lenfest, Garden State Cable, Prime and the AT&T cable systems received in the exchange since such dates.

	(Amounts in millions)		
	Year Ended December 31,		
	2000	1999	1998
Revenues	\$4,320.6	\$3,950.6	\$2,768.5
Income (loss) before extraordinary items	\$31.2	(\$1,106.8)	(\$257.1)
Net income (loss)	\$24.1	(\$1,113.0)	(\$257.2)

Adelphia Cable Systems Exchange

On January 1, 2001, the Company and Comcast completed their previously announced cable systems exchange with Adelphia Communications ("Adelphia") pursuant to which the Company received cable communications systems serving approximately 460,000 subscribers from Adelphia. In exchange, Adelphia received certain of the Company's cable communications systems serving approximately 440,000 subscribers. In connection with the exchange, the Company expects to record a gain and the acquisition will be accounted for as a purchase.

AT&T Cable Systems Acquisition

In August 2000, the Company and Comcast entered into an agreement with AT&T to acquire cable communications systems serving up to 700,000 subscribers from AT&T in exchange for AT&T common stock that the Company

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

and Comcast currently own or may acquire, in a transaction intended to qualify as tax-free to the Company, to Comcast and to AT&T. Pursuant to the agreement, the agreed upon value of the cable communications systems to be acquired by the Company from AT&T is up to \$3.2 billion (subject to adjustment based on the actual number of subscribers acquired). Also pursuant to the agreement, approximately 39.6 million shares of the AT&T common stock currently owned by Comcast and the Company will be valued at \$54.41 per share. The transaction is subject to customary closing conditions and regulatory approvals, will be accounted for as a purchase, and is expected to close by the end of the second quarter of 2001 (see Note 4).

4. INVESTMENTS**Fair Value Method**

The Company holds unrestricted equity investments in certain publicly traded companies, with an historical cost of \$751.7 million and \$68.2 million as of December 31, 2000 and 1999, respectively. The unrealized pre-tax (losses) gains on these investments of (\$263.9) million and \$42.3 million, respectively, have been reported in the Company's consolidated balance sheet as a component of other comprehensive (loss) income, net of related deferred income taxes of \$92.4 million and (\$14.8) million, respectively.

AT&T Common Stock

As of December 31, 2000 and 1999, the Company holds approximately 25.3 million and approximately 0.3 million shares of AT&T common stock. The Company has recorded its investment in AT&T at its estimated fair value of \$435.7 million and \$13.2 million, respectively (see Note 3).

Excite@Home Warrants

Excite@Home Corporation ("Excite@Home") provides Internet services to subscribers and businesses over the cable communications infrastructure in a limited number of cities in the United States. As of December 31, 2000 and 1999, the Company has earned warrants to purchase 2.1 million shares and 0.6 million shares, respectively, of Excite@Home Series A Common Stock (the "Excite@Home Stock"). As of December 31, 2000 and 1999, the Company has recorded the Excite@Home warrants, which are classified as available for sale, at their estimated fair value of \$6.9 million and \$23.3 million, respectively. The investment in the Excite@Home warrants is included in

current investments as of December 31, 2000.

Pursuant to an agreement between Excite@Home and its principal cable partners, including Comcast (the "Founding Cable Stockholders"), AT&T granted Comcast the right to exchange its Excite@Home Stock, including the Excite@Home warrants held by the Company, with AT&T at any time between January 1, 2001 and June 4, 2002 at a price equal to the higher of \$48 per share or the average per share trading price for a 30-day trading period (as defined). Comcast has the right to elect payment in the form of cash or in shares of AT&T common stock. In January 2001, Comcast exercised its right to exchange all of its Excite@Home Stock, including the Excite@Home warrants held by the Company, with AT&T at \$48 per share for shares of AT&T common stock. Under the terms of such exercise, the transaction is expected to close by March 31, 2001.

The Company agreed to enter into a new non-exclusive distribution agreement with Excite@Home for the period from June 2002 through June 2006. The Company may elect to terminate its existing exclusive distribution agreement with Excite@Home (which would otherwise expire in June 2002) or the new distribution agreement at any time beginning June 2001 on at least six months notice. In addition, unearned warrants previously held by the Company were amended to eliminate any previous performance vesting conditions and the Company received additional new warrants with an exercise price of \$29.54 per share to purchase two shares of Excite@Home Stock for each home passed by the Company's cable communications systems at the announcement date of the agreements. The new warrants and the unearned previously held warrants vest in installments every six months beginning in June 2001 and will be fully vested in June 2006 provided that the Company has not elected to earlier terminate its existing or the new distribution agreement. The new warrants include customary registration rights and will expire in March 2015. Comcast's right to exchange its Excite@Home Stock, including the Excite@Home

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

warrants held by the Company, with AT&T is not dependent upon its election to either continue or terminate its existing or the new distribution agreement.

Gain on Exchange of Fair Value Method Investments

During the year ended December 31, 2000, in connection with the merger of certain publicly traded companies held by the Company accounted for as investments available for sale, the Company recognized a pre-tax gain of \$33.0 million, representing the difference between the fair value of the securities received by the Company and the Company's cost basis in the securities exchanged. Such gain was recorded as a reclassification from accumulated other comprehensive (loss) income to investment income.

Impairment Losses

During the year ended December 31, 2000, the Company recorded to investment expense pre-tax losses of \$42.8 million on certain of its investments based on declines in value that were considered other than temporary.

Equity Method

The Company records its proportionate interests in the net income (loss) of certain of its equity method investees in arrears. The Company's recorded investments exceed its proportionate interests in the book value of the

investees' net assets by \$154.7 million as of December 31, 2000 (related to the Company's investment in Susquehanna Cable). Such excess is being amortized to equity in net income or loss, over a period of twenty years, which is consistent with the estimated lives of the underlying assets.

The Company does not have any additional significant contractual commitments with respect to any of its investments. However, to the extent the Company does not fund its investees' capital calls, it exposes itself to dilution of its ownership interests.

Cost Method Investments

It is not practicable to estimate the fair value of the Company's investments in privately held companies, accounted for under the cost method, due to lack of quoted market prices.

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

5. LONG-TERM DEBT

	December 31,	
	2000	1999
	(Dollars in millions)	
Commercial paper.....	\$1,323.5	
Notes payable to banks, due 2005.....	1,125.0	\$1,694.0
9-5/8% Senior notes, due 2002.....	200.0	200.0
8-1/8% Senior notes, due 2004.....	299.9	299.8
8-3/8% Senior notes, due 2005.....	696.3	
8-3/8% Senior notes, due 2007.....	597.2	596.8
8-7/8% Senior notes, due 2007.....	249.0	248.9
6.20% Senior notes, due 2008.....	798.2	798.1
7-5/8% Senior notes, due 2008.....	197.1	196.8
7-5/8% Senior notes, due 2008.....	147.4	
8-7/8% Senior notes, due 2017.....	545.8	545.7
8-1/2% Senior notes, due 2027.....	249.6	249.6
10-1/2% Senior subordinated debentures, due 2006.....	123.8	
8-1/4% Senior subordinated debentures, due 2008.....	149.1	
10-1/2% Senior subordinated debentures, due 2008.....		100.0
Other debt, due in installments.....	12.4	8.2
	6,714.3	4,937.9
Less current portion.....	3.3	202.6
	\$6,711.0	\$4,735.3

Maturities of long-term debt outstanding as of December 31, 2000 for the four years after 2001 are as follows (dollars in millions):

2002.....	\$203.0
2003.....	0.6
2004.....	300.5
2005.....	3,145.5

In addition to the Company's outstanding long-term debt as presented in the table above, the Company had an aggregate of \$860.1 million of notes

payable to Comcast and Comcast's subsidiaries as of December 31, 2000 (see Note 6).

Contribution of 10 1/2% Senior Subordinated Notes Due 2006
In December 2000, Comcast contributed to the Company \$196.7 million principal amount of the Company's 10 1/2% senior subordinated notes due 2006 which were held by Comcast. As such, amounts outstanding as of December 31, 2000 have been treated as effectively retired.

Senior Notes Offerings

In January 2001, the Company sold an aggregate of \$1.5 billion of public debt consisting of \$500.0 million of 6.375% Senior Notes due 2006 and \$1.0 billion of 6.75% Senior Notes due 2011. The Company used substantially all of the net proceeds from the offerings to repay a portion of the amounts outstanding under its commercial paper program and bank credit facility.

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Refinancing

In August 2000, the Company repaid and retired all amounts outstanding under the existing bank credit facilities of its cable communications subsidiaries totaling approximately \$2.4 billion, with the proceeds from a new senior bank credit facility and new commercial paper program. The Company's new senior bank credit facility consists of a \$2.25 billion, five-year revolving credit facility and a \$2.25 billion, 364-day revolving credit facility (together, the "Comcast Cable Revolver"). The 364-day revolving credit facility supports the Company's new commercial paper program. The Company borrowed \$1.4 billion under the five-year facility and \$1.0 billion under the commercial paper program to repay and retire the subsidiaries' credit facilities.

Amounts outstanding under the commercial paper program are classified as long-term in the Company's consolidated balance sheet as of December 31, 2000 as the Company refinanced a portion of these obligations on a long-term basis with proceeds from the Company's senior notes offerings in January 2001 and has both the ability and the intent to refinance these obligations, if necessary, on a long-term basis with amounts available under the Comcast Cable Revolver.

Debt Assumed

In connection with the Reorganization, the consolidation of Garden State Cable and the contribution by Comcast of Prime to the Company (see Notes 2 and 3), the Company assumed aggregate debt of \$2.146 billion with interest rates ranging between 6.95% and 10.5%, and maturities between 2001 and 2008.

Senior Notes

Interest on all of the Company's Senior Notes is payable semiannually. The 6.375% Senior Notes and the 6.20% Senior Notes are redeemable only upon maturity in January 2006 and November 2008, respectively. The 8 1/2% Senior Notes are redeemable, in whole or in part, at the option of the Company at any time after May 1, 2009, and the remaining Senior Notes are redeemable, in whole or in part, at the option of the Company at any time. In each case, the Senior Notes are redeemable at a price equal to the greater of (i) 100% of their principal amount, plus accrued interest thereon to the date of redemption, or (ii) the sum of the present values of the remaining

scheduled payments of principal and interest thereon discounted to the date of redemption on a semiannual basis at the Adjusted Treasury Rate (as defined), plus accrued interest on the Senior Notes to the date of redemption. Each holder of the 8 1/2% Senior Notes may require the Company to repurchase all or a portion of the 8 1/2% Senior Notes owned by such holder on May 1, 2009 at a purchase price equal to 100% of the principal amount thereof.

The Senior Notes are unsecured and unsubordinated obligations of the Company and rank pari passu with all other unsecured and unsubordinated indebtedness and other obligations of the Company. The Senior Notes are effectively subordinated to all liabilities of the Company's subsidiaries, including trade payables.

The indenture for the Senior Notes, among other things, contains restrictions (with certain exceptions) on the ability of the Company and certain of the Company's subsidiaries (as defined) to create liens or enter into sale and leaseback transactions, and enter into mergers, consolidations, or sales of all or substantially all of their assets.

Redemptions of Debt

During 2000, the Company repaid \$100.0 million principal amount of its 10 1/2% senior subordinated debentures due 2008 with proceeds from a loan from Comcast (see Note 6). During 1999, the Company repaid \$200.0 million in notes payable to insurance companies having an interest rate of 8.6%. The redemption was funded with the proceeds from a capital contribution that the Company received from Comcast (see Note 7).

Extraordinary Items

Extraordinary items for the years ended December 31, 2000, 1999 and 1998 of \$7.1 million, \$6.2 million and \$0.1 million, respectively, consist of unamortized debt issue costs and debt extinguishment costs, net of related tax benefits, expensed principally in connection with the redemptions and refinancings of certain indebtedness described above.

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Interest Rates

Bank debt interest rates vary based upon one or more of the following rates at the option of the Company:

- Prime rate
- Federal Funds rate plus 0.5%; and
- LIBOR plus 0.19% to 0.8%

As of December 31, 2000 and 1999, the Company's effective weighted average interest rate on its long-term debt outstanding was 7.85% and 7.56%, respectively.

Interest Rate Risk Management

The Company is exposed to the market risk of adverse changes in interest rates. To manage the volatility relating to these exposures, the Company's policy is to maintain a mix of fixed and variable rate debt and enter into various interest rate derivative transactions as described below.

Using Swaps, the Company agrees to exchange, at specified intervals, the difference between fixed and variable interest amounts calculated by

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reference to an agreed-upon notional principal amount. Caps are used to lock in a maximum interest rate should variable rates rise, but enable the Company to otherwise pay lower market rates. Collars limit the Company's exposure to and benefits from interest rate fluctuations on variable rate debt to within a certain range of rates.

All derivative transactions must comply with a Comcast board-approved derivatives policy. In addition to prohibiting the use of derivatives for trading purposes or that increase risk, this policy requires quarterly monitoring of the portfolio, including portfolio valuation, measuring counterparty exposure and performing sensitivity analyses.

The following table summarizes the terms of the Company's existing Swaps, Caps and Collars as of December 31, 2000 and 1999 (dollars in millions):

	Notional Amount	Maturities	Average Interest Rate	Estimated Fair Value
As of December 31, 2000				
Fixed to Variable Swaps.....	\$450.0	2004-2008	7.7%	\$3.2
As of December 31, 1999				
Variable to Fixed Swaps.....	\$300.0	2000-2003	5.6%	\$6.4
Fixed to Variable Swaps.....	300.0	2004	7.7%	(3.9)
Caps.....	140.0	2000	6.8%	
Collar.....	50.0	2000	6.3%/4.0%	0.1

The notional amounts of interest rate instruments, as presented in the above table, are used to measure interest to be paid or received and do not represent the amount of exposure to credit loss. The estimated fair value approximates the proceeds (costs) to settle the outstanding contracts. While Swaps, Caps and Collars represent an integral part of the Company's interest rate risk management program, their incremental effect on interest expense for the years ended December 31, 2000, 1999 and 1998 was not significant.

Estimated Fair Value

The Company's long-term debt had estimated fair values of \$6.872 billion and \$4.922 billion as of December 31, 2000 and 1999, respectively. The estimated fair value of the Company's publicly traded debt is based on the quoted market price for that debt. Interest rates that are currently available to the Company for issuance of debt with similar terms and remaining maturities are used to estimate fair value for debt issues for which quoted market prices are not available.

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Debt Covenants

The Comcast Cable Revolver contains restrictive covenants which, for example, limit the Company's ability to enter into arrangements for the acquisition or disposition of property and equipment, investments, mergers and the incurrence of additional debt. The Comcast Cable Revolver also contains financial covenants which require that certain ratios and cash

flow levels be maintained. The Company and its subsidiaries were in compliance with all financial covenants for all periods presented.

Lines and Letters of Credit

As of December 31, 2000, certain subsidiaries of the Company had unused lines of credit of \$1.946 billion under their respective credit facilities.

As of December 31, 2000 the Company and certain of its subsidiaries had unused irrevocable standby letters of credit totaling \$94.7 million to cover potential fundings associated with several projects.

6. NOTES RECEIVABLE FROM AFFILIATES AND NOTES PAYABLE TO AFFILIATES

As of December 31, 2000, notes receivable from affiliates consist of \$99.3 million principal amount of notes receivable from Comcast and certain of its wholly owned subsidiaries. The notes receivable bear interest at rates ranging from 9.25% to 10.5% (weighted average interest rate of 10.05% as of December 31, 2000) and are due between 2010 and 2027.

As of December 31, 2000, notes payable to affiliates consist of \$860.1 million principal amount of notes payable to Comcast and certain of its wholly owned subsidiaries. The notes payable bear interest at rates ranging from 7.75% to 8.95% (weighted average interest rate of 8.05% as of December 31, 2000) and are due between 2009 and 2027.

7. RELATED PARTY TRANSACTIONS

Comcast, on behalf of the Company, has an affiliation agreement with QVC, Inc. ("QVC"), an electronic retailer and a majority-owned and controlled subsidiary of Comcast, to carry its programming. In return for carrying QVC programming, the Company receives an allocated portion, based upon market share, of a percentage of net sales of merchandise sold to QVC customers located in the Company's service area. For the years ended December 31, 2000, 1999 and 1998, the Company's service income includes \$14.7 million, \$10.4 million and \$13.3 million, respectively, relating to QVC.

Through July 31, 2000, Comcast, through management agreements, managed the operations of the Company's subsidiaries, including rebuilds and upgrades. The management agreements generally provided that Comcast would supervise the management and operations of the cable systems and arrange for and supervise certain administrative functions. As compensation for such services, the agreements provided for Comcast to charge management fees of up to 6% of gross revenues. Comcast charged the Company's subsidiaries management fees of \$145.5 million, \$161.8 million and \$130.4 million in 2000, 1999 and 1998, respectively. These management fees are included in selling, general and administrative expenses in the Company's consolidated statement of operations.

Through July 31, 2000, on behalf of the Company, Comcast secured long-term programming contracts that generally provided for payment based on either a monthly fee per subscriber per channel or a percentage of certain subscriber revenues. Comcast charged each of the Company's subsidiaries for programming on a basis which generally approximated the amount that each such subsidiary would be charged if it purchased such programming directly from the supplier, subject to limitations imposed by debt facilities for certain subsidiaries, and did not benefit from the purchasing power of Comcast's consolidated operations. Amounts charged to the Company by Comcast for programming (the "Programming Charges") are included in operating expenses in the Company's consolidated statement of operations. The Company purchases certain other services, including insurance and

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

employee benefits, from Comcast under cost-sharing arrangements on terms that reflect Comcast's actual cost. The Company reimburses Comcast for certain other costs (primarily salaries) under cost-reimbursement arrangements. Under all of these arrangements, the Company incurred total expenses of \$1.035 billion, \$971.2 million and \$760.9 million, including \$835.6 million, \$822.5 million and \$640.5 million of Programming Charges, in 2000, 1999 and 1998, respectively. The Programming Charges include \$107.0 million, \$83.6 million and \$59.4 million in 2000, 1999 and 1998, respectively, relating to programming purchased by the Company from suppliers in which Comcast holds an equity interest.

Effective August 1, 2000, Comcast assigned its intercompany management and programming agreements with the Company's subsidiaries and with certain of Comcast's other cable communications subsidiaries to the Company. As such, effective August 1, 2000, amounts charged by the Company to the Company's subsidiaries for management fees and programming are eliminated in the Company's consolidated financial statements.

The Company has entered into a custodial account arrangement with Comcast Financial Agency Corporation ("CFAC"), a wholly owned subsidiary of Comcast, under which CFAC provides cash management services to the Company. Under this arrangement, the Company's cash receipts are deposited with and held by CFAC, as custodian and agent, which invests and disburses such funds at the direction of the Company. As of December 31, 2000 and 1999, \$74.2 million and \$34.0 million, respectively, of the Company's cash was held by CFAC. These amounts have been classified as cash held by an affiliate in the Company's consolidated balance sheet. During the years ended December 31, 2000, 1999 and 1998, the Company recognized investment income of \$7.2 million, \$2.7 million and \$3.1 million, respectively, on cash held by CFAC.

As of December 31, 2000, current due from affiliates in the Company's consolidated balance sheet includes amounts due from CFAC, partially offset by amounts due to Comcast and its affiliates. As of December 31, 1999, current due to affiliates includes amounts due to Comcast and its affiliates under the cost-sharing arrangements described above, and amounts payable to Comcast and its affiliates as reimbursement for payments made, in the ordinary course of business, by such affiliates on behalf of the Company.

During the year ended December 31, 1999, the Company received capital contributions from Comcast of \$960.1 million, the proceeds of which were used to acquire CalPERS' 45% interest in Comcast MHCP (see Note 3) and to repay notes payable to insurance companies (see Note 5).

8. INCOME TAXES

The Company and its 80% or more owned subsidiaries join with Comcast in filing a consolidated federal income tax return. Comcast allocates income tax expense or benefit to the Company as if the Company was filing a separate federal income tax return. Tax benefits from both losses and tax credits are made available to the Company as it is able to realize such benefits on a separate return basis. The Company pays Comcast for income taxes an amount equal to the amount of tax it would pay if it filed a separate tax return.

COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

Income tax expense (benefit) consists of the following components (dollars in millions):

	Year Ended December 31,		
	2000	1999	1998
Current expense			
Federal.....	\$ 11.5	\$18.9	\$1.9
State.....	11.5	6.1	5.4
	11.5	25.0	7.3
Deferred expense (benefit)			
Federal.....	206.6	(66.8)	(41.1)
State.....	81.8	(4.4)	(2.0)
	288.4	(71.2)	(43.1)
Income tax expense (benefit).....	\$299.9	(\$46.2)	(\$35.8)

The income tax expense (benefit) of the Company differs from the statutory amount because of the effect of the following items (dollars in millions):

	Year Ended December 31,		
	2000	1999	1998
Federal tax at statutory rate.....	\$144.6	(\$140.6)	(\$52.5)
Non-deductible depreciation and amortization.....	82.2	25.5	21.5
State income taxes, net of federal benefit.....	60.6	1.0	2.2
Interest income, taxable to CalPERS.....	(1.0)	(8.1)	(7.5)
Increase to valuation allowance.....	14.1	75.3	
Other.....	(0.5)	0.7	0.5
Income tax expense (benefit).....	\$299.9	(\$46.2)	(\$35.8)

Significant components of the Company's net deferred tax liability are as follows (dollars in millions):

	December 31,	
	2000	1999
Deferred tax assets:		
Net operating loss carryforwards.....	\$436.7	\$256.3
Less valuation allowance.....		(207.5)
	436.7	48.8
Deferred tax liabilities, principally differences between book and tax basis of property and equipment and deferred charges.....	5,453.1	1,684.4
Net deferred tax liability.....	\$5,016.4	\$1,635.6

The Company recorded \$3.281 billion of deferred tax liabilities in 2000, including the elimination of \$221.6 million of valuation allowances, in connection with acquisitions principally related to basis differences in property and equipment and deferred charges. As of December 31, 2000, the Company has available net operating loss carryforwards of approximately \$1.1 billion, which expire primarily in periods through 2019.

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Continued)

9. STATEMENT OF CASH FLOWS - SUPPLEMENTAL INFORMATION

The Company made cash payments for interest on its long-term debt of \$501.0 million, \$324.8 million and \$214.4 million in 2000, 1999 and 1998, respectively. The Company made cash payments for interest on the notes payable to affiliates of \$9.1 million, \$8.9 million and \$70.5 million in 2000, 1999 and 1998, respectively.

The Company made cash payments to Comcast for income taxes of \$6.1 million, \$7.4 million and \$5.4 million in 2000, 1999 and 1998, respectively.

During the year ended December 31, 2000, the Company acquired the assets and liabilities and/or partnership interests of Lenfest, Garden State Cable, Jones Intercable, Prime and Comcast MHCP, principally through mergers or contributions from Comcast (see Note 3). In addition, on December 31, 2000, the Company and Comcast completed their cable systems exchange with AT&T (see Note 3). The fair values of the assets and liabilities acquired by the Company during the year ended December 31, 2000 are presented as follows (in millions):

Current assets.....	\$198.1
Investments.....	369.1
Property, plant & equipment.....	1,030.9
Deferred charges.....	14,558.6
Current liabilities.....	(260.4)
Long-term debt.....	(2,146.5)
Deferred income taxes and other.....	(3,245.6)

Net assets acquired.....	\$10,504.2
	=====

During 2000, the Company (i) redeemed certain shares of its common stock for nominal consideration, and then (ii) in consideration for the Prime Contribution and the Reorganization, issued certain shares of its common stock to Comcast and to a wholly-owned subsidiary of Comcast, resulting in a net redemption of 861.11 shares.

During the year ended December 31, 1999, the Company eliminated the outstanding balance of notes payable to affiliates of \$139.6 million through a non-cash capital contribution from Comcast.

10. COMMITMENTS AND CONTINGENCIES

Commitments

Minimum annual rental commitments for office space and equipment under noncancelable operating leases are as follows (dollars in millions):

2001.....	\$20.5
2002.....	15.8
2003.....	13.1
2004.....	9.7
2005.....	7.7
Thereafter.....	24.6

Pole rentals have been excluded from the above schedule as they are generally cancelable after an initial period by either party upon notice.

Rental expense (including pole rentals) of \$44.6 million, \$33.7 million and \$23.8 million has been charged to operations in 2000, 1999 and 1998, respectively.

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998 (Concluded)

Contingencies

The Company is subject to legal proceedings and claims which arise in the ordinary course of its business. In the opinion of management, the amount of ultimate liability with respect to these actions will not materially affect the financial position, results of operations or liquidity of the Company.

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ITEM 9 CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

Not applicable.

PART III

The information called for by Item 10, Directors and Executive Officers of the Registrant, Item 11, Executive Compensation, Item 12, Security Ownership of Certain Beneficial Owners and Management, and Item 13, Certain Relationships and Related Transactions, is omitted pursuant to SEC General Instruction I of Form 10-K.

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PART IV

ITEM 14 EXHIBITS, FINANCIAL STATEMENT SCHEDULES AND REPORTS ON FORM 8-K

- (a) The following consolidated financial statements of ours are included in Part II, Item 8:

Independent Auditors' Report.....	20
Consolidated Balance Sheet--December 31, 2000 and 1999.....	21
Consolidated Statement of Operations--Years Ended December 31, 2000, 1999 and 1998.....	22
Consolidated Statement of Cash Flows--Years Ended December 31, 2000, 1999 and 1998.....	23
Consolidated Statement of Stockholders' Equity -- Years Ended December 31, 2000, 1999 and 1998.....	24
Notes to Consolidated Financial Statements.....	25

- (b) (i) The following financial statement schedules required to be filed by Items 8 and 14(d) of Form 10-K are included in Part IV:

Schedule I - Condensed Financial Information of Registrant
Unconsolidated (Parent Only)
Schedule II - Valuation and Qualifying Accounts

All other schedules are omitted because they are not applicable, not required or the required information is included in the consolidated financial statements or notes thereto.

- (c) Reports on Form 8-K:

None.

(d) Exhibits required to be filed by Item 601 of Regulation S-K:

- 3.1 Certificate of Incorporation filed on April 2, 1981 (incorporated by reference to Exhibit 3.1(a) to our Registration Statement on Form S-4, as amended, filed on September 22, 1997).
- 3.2 By-laws (incorporated by reference to Exhibit 3.2 to our Registration Statement on Form S-4, as amended, filed on September 22, 1997).
- 4.1(a) Indenture dated as of May 1, 1997 by and between Comcast Cable Communications, Inc. and The Bank of New York (as successor in interest to Bank of Montreal Trust Company), as Trustee (incorporated by reference to Exhibit 4.1(a) to our Registration Statement on Form S-4, as amended, filed on September 22, 1997).
- 4.1(b) Form of Notes relating to our 8 1/8% Senior Notes due 2004, 8 3/8% Senior Notes due 2007, 6.20% Senior Notes due 2008, 6.375% Senior Notes due 2006, 6.75% Senior Notes due 2011, 8 7/8% Senior Notes due 2017 and 8 1/2% Senior Notes due 2027 (incorporated by reference to Exhibit 4.1(b) to our Registration Statement on Form S-4, as amended, filed on September 22, 1997).
- 10.1 Tax Sharing Agreement, dated as of December 2, 1992, among Storer Communications, Inc., TKR Cable I, Inc., TKR Cable II, Inc., TKR Cable III, Inc., AT&T Corp (as successor to Tele-Communications, Inc.), Comcast Corporation and each of the Departing Subsidiaries that are signatories thereto (incorporated by reference to Exhibit 4 to Comcast Corporation's Current Report on Form 8-K filed on December 17, 1992, as amended by Form 8 filed January 8, 1993).
- 10.2 Tax Sharing Agreement, dated December 2, 1992, between Comcast Corporation and Comcast Storer, Inc. (incorporated by reference to Exhibit 9 to Comcast Corporation's Current Report on Form 8-K filed on December 17, 1992, as amended by Form 8 filed January 8, 1993).
- 10.3 Management Agreement, dated as of April 24, 1997, between Comcast Cable Communications, Inc. and Comcast Corporation (incorporated by reference to Exhibit 10.11 to our Registration Statement on Form S-4, as amended, filed on September 22, 1997).
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- 10.4 Promissory Note, dated as of July 2, 1997, between Comcast Cable Communications, Inc. and Comcast Corporation (incorporated by reference to Exhibit 10.13 to our Registration Statement on Form S-4, as amended, filed on September 22, 1997).
- 10.5 Agreement and Plan of Merger, dated as of November 16, 1999, by and among Comcast Corporation, Comcast LCI Holdings, Inc., a wholly owned subsidiary of Comcast, Lenfest Communications, Inc. ("Lenfest") and Lenfest's stockholders as named therein. (incorporated by reference to Exhibit 10.1 to the Comcast Corporation Current Report on Form 8-K filed on December 13, 1999).

- 10.6 Agreement and Plan of Merger among Jones Intercable, Inc., Comcast Corporation and Comcast JOIN Holdings, Inc., dated as of December 22, 1999 (incorporated by reference to Exhibit 2.1 to the Comcast Corporation Registration Statement on Form S-4 filed on January 10, 2000).
- 10.7 Agreement and Plan of Merger, dated as of July 28, 2000, by and among Comcast Cable Communications, Inc., Comcast LCI Holdings, Inc., formerly a wholly owned subsidiary of Comcast Corporation and Comcast JOIN Holdings, Inc., formerly a wholly owned subsidiary of Comcast Corporation (incorporated by reference to Exhibit 10.1 to our Current Report on Form 8-K filed on September 27, 2000).
- 10.8 Asset Exchange Agreement, dated as of August 11, 2000, among AT&T Corp. and Comcast Corporation (incorporated by reference to Exhibit 10.1 to the Comcast Corporation Quarterly Report on Form 10-Q for the Quarter Ended September 30, 2000).
- 10.9 Agreement and Plan of Reorganization, dated as of August 11, 2000, among Comcast Corporation, Comcast Cable Communications, Inc., Comcast CCCI II, LLC, Comcast Teleport, Inc., Comcast Heritage, Inc., Comcast Communications Properties, Inc., and AT&T Corp. (incorporated by reference to Exhibit 10.2 to the Comcast Corporation Quarterly Report on Form 10-Q for the Quarter Ended September 30, 2000).
- 10.10 Five-Year Revolving Credit Agreement, dated as of August 24, 2000, among Comcast Cable Communications, Inc. and the Financial Institutions Party Hereto, Banc of America Securities LLC and Chase Securities Inc., as Joint Lead Arrangers and Joint Book Managers, BNY Capital Markets, Inc. and Salomon Smith Barney Inc., as Co-Arrangers, Bank of America, N.A., as Administrative Agent, Swing Line Lender and Letter of Credit Issuing Lender, Chase Securities Inc., as Syndication Agent and Citibank, N.A. and The Bank of New York, as Co-Documentation Agents (incorporated by reference to Exhibit 10.4 to our Quarterly Report on Form 10-Q for the Quarter Ended September 30, 2000).
- 10.11 364-Day Revolving Credit Agreement, dated as of August 24, 2000, among Comcast Cable Communications, Inc. and the Financial Institutions Party Hereto, Banc of America Securities LLC and Chase Securities Inc., as Joint Lead Arrangers and Joint Book Managers, BNY Capital Markets, Inc. and Salomon Smith Barney Inc., as Co-Arrangers, Bank of America, N.A., as Administrative Agent, Chase Securities Inc., as Syndication Agent and Citibank, N.A. and The Bank of New York, as Co-Documentation Agents. (incorporated by reference to Exhibit 10.5 to our Quarterly Report on Form 10-Q for the Quarter Ended September 30, 2000).
- 10.12 Asset Exchange Closing Agreement dated as of January 1, 2001 among Comcast Corporation, the Comcast Parties, Adelphia Communications Corporation and the Adelphia Parties (incorporated by reference to Exhibit 10.24 to the Comcast Corporation Annual Report on Form 10-K for the year ended December 31, 2000).
- 12.1 Statement re: Computation of Ratio of Earnings to Fixed Charges.
- 23.1 Consent of Deloitte & Touche LLP.
- 23.2 Consents of Arthur Andersen LLP.
- 99.1 Report of Independent Public Accountants to Jones Intercable,

Inc. as of December 31, 1999 and for the year then ended.

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SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized in Philadelphia, Pennsylvania on March 16, 2001.

Comcast Cable Communications, Inc.

By: /s/ Brian L. Roberts

Brian L. Roberts
Vice Chairman and Director

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

SIGNATURE -----	TITLE -----	DATE ----
/s/ Ralph J. Roberts 2001 ----- Ralph J. Roberts	Chairman; Director	March 16,
/s/ Brian L. Roberts 2001 ----- Brian L. Roberts	Vice Chairman; Director (Principal Executive Officer)	March 16,
/s/ Lawrence S. Smith 2001 ----- Lawrence S. Smith	Executive Vice President; Director	March 16,
/s/ Stanley L. Wang 2001 ----- Stanley L. Wang	Executive Vice President, Secretary; Director	March 16,
/s/ John R. Alchin 2001 ----- John R. Alchin	Executive Vice President, Treasurer (Principal Financial Officer)	March 16,
/s/ Lawrence J. Salva 2001 ----- Lawrence J. Salva	Senior Vice President (Principal Accounting Officer)	March 16,

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INDEPENDENT AUDITORS' REPORT ON SCHEDULES

To the Board of Directors and Stockholders
Comcast Cable Communications, Inc.
Philadelphia, Pennsylvania

Our audits of the financial statements referred to in our report dated February 23, 2001, appearing in the Annual Report on Form 10-K of Comcast Cable Communications, Inc. and its subsidiaries (the "Company") for the year ended December 31, 2000 also included the financial statement schedules of the Company, listed in Item 14(b)(i). These financial statement schedules are the responsibility of the Company's management. Our responsibility is to express an opinion based on our audits. In our opinion, such financial statement schedules, when considered in relation to the basic financial statements taken as a whole, present fairly in all material respects the information set forth therein.

/s/ Deloitte & Touche LLP
Philadelphia, Pennsylvania
February 23, 2001

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES
-----SCHEDULE I - CONDENSED FINANCIAL INFORMATION OF
-----REGISTRANT UNCONSOLIDATED (PARENT ONLY)
-----CONDENSED BALANCE SHEET

(Dollars in millions, except share data)

December 31,
1999

ASSETS		-----
Investments in and amounts due to/from subsidiaries eliminated upon consolidation, net.....		\$4,395.3
Deferred charges, net.....		24.2

		\$4,419.5
-----		-----
LIABILITIES AND STOCKHOLDER'S EQUITY		
CURRENT LIABILITIES		
Accrued interest and other.....		\$29.8

Total current liabilities.....		29.8

Long-term debt.....		2,490.0

Deferred income taxes, due to affiliates.....		89.4

Other liabilities		1.5

STOCKHOLDER'S EQUITY		
Common stock, \$1 par value - authorized and issued, 1,000 shares		
Additional capital.....		4,931.4
Accumulated deficit.....		(3,150.1)
Accumulated other comprehensive income.....		27.5

Total stockholder's equity.....		1,808.8

		\$4,419.5
		=====

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

SCHEDULE I -- CONDENSED FINANCIAL INFORMATION OF

REGISTRANT UNCONSOLIDATED (PARENT ONLY)

CONDENSED STATEMENT OF OPERATIONS AND ACCUMULATED DEFICIT

(In millions)

	Year Ended December 31,	
	1999	1998
	-----	-----
AMORTIZATION.....	\$2.5	\$1.7
	-----	-----
OPERATING LOSS.....	2.5	1.7
	-----	-----
OTHER (INCOME) EXPENSE		
Interest income on affiliate notes, net.....		(142.4)
Interest expense, net.....	192.5	149.9
Equity in net losses of affiliates.....	120.2	82.1
	-----	-----
	312.7	89.6
	-----	-----

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LOSS BEFORE INCOME TAX (BENEFIT) EXPENSE.....	(315.2)	(91.3)
INCOME TAX (BENEFIT) EXPENSE.....	(61.5)	6.0
NET LOSS.....	(253.7)	(97.3)
ACCUMULATED DEFICIT		
Beginning of year.....	(2,896.4)	(2,799.1)
End of year.....	(\$3,150.1)	(\$2,896.4)

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

SCHEDULE I -- CONDENSED FINANCIAL INFORMATION OF

REGISTRANT UNCONSOLIDATED (PARENT ONLY)

CONDENSED STATEMENT OF CASH FLOWS

(In millions)

	Year Ended December 31,	
	1999	1998
OPERATING ACTIVITIES		
Net loss.....	(\$253.7)	(\$97.3)
Adjustments to reconcile net loss to net cash (used in) provided by operating activities:		
Amortization.....	2.5	1.7
Non-cash interest expense.....	0.6	0.4
Equity in net losses of affiliates.....	120.2	82.1
Deferred income tax benefit, due to affiliates.....	5.8	31.8
	(124.6)	18.7
Changes in working capital and other liabilities.....	(0.9)	6.9
Net cash (used in) provided by operating activities.....	(125.5)	25.6
FINANCING ACTIVITIES		
Proceeds from borrowings.....		797.9
Proceeds from notes payable to affiliate.....		72.4
Repayment of notes payable to affiliates.....		(144.7)
Capital contributions from parent.....	960.1	
Deferred financing costs.....		(11.7)
Net cash provided by financing activities.....	960.1	713.9
INVESTING ACTIVITIES		
Net transactions with affiliates.....	(834.6)	(739.5)

Net cash used in investing activities.....	(834.6)	(739.5)
INCREASE IN CASH AND CASH EQUIVALENTS.....		
CASH AND CASH EQUIVALENTS, beginning of year.....		
CASH AND CASH EQUIVALENTS, end of year.....	\$	\$

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COMCAST CABLE COMMUNICATIONS, INC. AND SUBSIDIARIES

SCHEDULE II - VALUATION AND QUALIFYING ACCOUNTS

YEARS ENDED DECEMBER 31, 2000, 1999 AND 1998

(In millions)

	Balance at Beginning of Year	Effect of Acquisitions	Additions Charged to Costs and Expenses	Deductions from Reserves (A)	Balance at End of Year
Allowance for Doubtful Accounts					
2000	\$31.2	\$10.7	\$33.7	\$35.7	\$39.9
1999	19.4	3.1	23.6	14.9	31.2
1998	16.7		15.8	13.1	19.4

(A) Uncollectible accounts written off.

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EX-12.1 OTHERDOC
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Exhibit 12.1

COMCAST CABLE COMMUNICATIONS, INC.

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RATIO OF EARNINGS TO FIXED CHARGES
(dollars in millions)

	Years Ended December 31,		
	2000	1999	1998
Earnings (loss) before fixed charges (1):			
Income (loss) before extraordinary items and cumulative effect of accounting changes	\$113.1	(\$247.5)	(\$97.2)
Minority interest		(107.9)	(17.0)
Income tax expense (benefit)	299.9	(46.2)	(35.8)
Fixed charges	524.8	362.9	275.7
	-----	-----	-----
	\$937.8	(\$38.7)	\$125.7
	=====	=====	=====
Fixed charges (1):			
Interest expense	\$515.7	352.9	\$223.6
Interest expense on notes payable to affiliates	9.1	10.0	52.1
	-----	-----	-----
	\$524.8	\$362.9	\$275.7
	=====	=====	=====
Ratio of earnings to fixed charges (2)	1.79	--	--

(1) For the purpose of calculating the ratio of earnings to fixed charges, earnings (loss) consist of earnings (loss) before extraordinary items, cumulative effect of accounting changes, minority interest, income tax expense (benefit), and fixed charges. Fixed charges consist of interest expense and interest expense on notes payable to affiliates.

(2) For the years ended December 31, 1999 and 1998, earnings, as defined above, were inadequate to cover fixed charges by \$401.6 million and \$150.0 million, respectively.

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EX-23.1

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INDEPENDENT AUDITORS' CONSENT

Board of Directors and Stockholders
Comcast Cable Communications, Inc.
Philadelphia, Pennsylvania

We consent to the incorporation by reference in Registration Statements Numbers 333-46736 and 333-66649 of Comcast Cable Communications, Inc. and its subsidiaries on Form S-3 of our report dated February 23, 2001, appearing in the Annual Report on Form 10-K of Comcast Cable Communications, Inc. and its subsidiaries for the year ended December 31, 2000.

/s/ Deloitte & Touche LLP
Philadelphia, Pennsylvania
March 15, 2001

EX-23.2 OTHERDOC
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Exhibit 23.2(a)

CONSENT OF INDEPENDENT PUBLIC ACCOUNTANTS

We hereby consent to the incorporation by reference of our report dated February 18, 2000 relating to the December 31, 1999 consolidated financial statements of Jones Intercable, Inc., which report is included as an exhibit in the Comcast Cable Communications, Inc. Form 10-K for the year ended December 31, 2000.

/s/ Arthur Andersen LLP
Denver, Colorado
March 15, 2001

Exhibit 23.2(b)

CONSENT OF INDEPENDENT PUBLIC ACCOUNTANTS

We hereby consent to the incorporation by reference of our report dated February 18, 2000 relating to the December 31, 1999 consolidated financial statements of Jones Intercable, Inc., included as an exhibit in this Form 10-K, into the Company's previously filed S-3 Registration Statement File No. 333-46736.

/s/ Arthur Andersen LLP
Denver, Colorado
March 15, 2001

EX-99.1 OTHERDOC
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REPORT OF INDEPENDENT PUBLIC ACCOUNTANTS

BOARD OF DIRECTORS AND STOCKHOLDERS
JONES INTERCABLE, INC.

We have audited the consolidated balance sheet of JONES INTERCABLE, INC. (a Colorado corporation) and subsidiaries as of December 31, 1999 and the related consolidated statements of operations, stockholders' equity (deficiency) and cash flows for the year then ended. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Jones Intercable, Inc. and subsidiaries as of December 31, 1999, and the results of their operations and their cash flows for the year then ended, in conformity with generally accepted accounting principles.

/s/ ARTHUR ANDERSEN LLP

Denver, Colorado
February 18, 2000



2001 ANNUAL REPORT

STATEMENT OF CAPITAL EXPENDITURES AND MAJOR EQUIPMENT EXPENDITURES

AUGUST 30, 2001

Statement of Major Capital Equipment and Expenditures

Actual 2001

Comcast designated approximately \$1,312,463 for network extensions to newly constructed housing within the City of Alexandria. Trending indicates that this will be spent by year-end. Funds were designated for the purchase of digital converter boxes in the amount of \$2,412,541. Complete expenditure of this amount will take place by year-end. Funds were designated for the purchase of video on demand in the amount of \$2,584,357. Complete expenditure of this amount will take place by year-end.

Projected 2002

Comcast plans to designate approximately \$516,857 for network extensions to new construction homes in the City of Alexandria. In addition, funds will be designated for the purchase of digital converter boxes in the amount of approximately \$723,300.



2001 ANNUAL REPORT

CONSTRUCTION PLAN

AUGUST 30, 2001

CONSTRUCTION UPDATE

The construction department has designed, constructed and released to marketing 2,097 new passings through August 31, 2001. These projects totaled 9 miles of underground cable plant. The cost of these projects was approximately \$932,164.

The construction department has been working with VDOT in preparation of the Wilson Bridge re-location project. This will impact the fiber rings. Close coordination will be necessary to minimize impact on the I-net and other services carried on the fiber. This fiber was previously re-located at the City's request for the Waste Treatment Center.



2001 ANNUAL REPORT

**COMCAST OFFICERS AND
BOARD OF DIRECTORS**

AUGUST 30, 2001

Board of Directors

Sheldon M. Bonovitz
Chairman and Partner
Duane, Morris & Heckscher LLP
Attorneys

Julian A. Brodsky
Vice Chairman

Joseph L. Castle, II
Chairman and
Chief Executive Officer
Castle Energy Corporation

Brian L. Roberts
President

Ralph J. Roberts
Chairman

Felix G. Rohatyn
Senior Counselor
The Council on Foreign Relations

Bernard C. Watson
President of the Board of Trustees
The Barnes Foundation

Irving A. Wechsler
Of Counsel
Wechsler, Wolsh & Associates
Certified Public Accountants

Anne Wexler
Chairman
The Wexler Group
Government Affairs Consulting

Corporate and Division Executives

Ralph J. Roberts
Chairman

Julian A. Brodsky
Vice Chairman
Chairman, Comcast
Interactive Capital

Brian L. Roberts
President

John R. Alchin
Executive Vice President
and Treasurer

Stephen B. Burke
Executive Vice President
President, Comcast Cable

Lawrence S. Smith
Executive Vice President

Stanley L. Wang
Executive Vice President
Law and Administration

Arthur R. Block
Senior Vice President
and General Counsel

Mark A. Coblitz
Senior Vice President
Strategic Planning

Robert S. Pick
Senior Vice President
Corporate Development

Lawrence J. Salva
Senior Vice President
and Chief Accounting Officer

C. Stephen Backstrom
Vice President
Taxation

Amy L. Banse
Vice President
Programming Investments

Karen Dougherty Buchholz
Vice President
Corporate Communications

Joseph F. DiTrollo
Vice President
and Corporate Controller

Martene S. Dooner
Vice President
Investor Relations

William E. Dordelman
Vice President
Finance

Sharon D. Ingram
Vice President
Corporate Human Resources

Kenneth Mikalauskas
Vice President
Finance

William J. Montemarano
Vice President
Internal Audit

Joseph W. Waz, Jr.
Vice President
External Affairs
and Public Policy Counsel

Comcast Cable

Stephen B. Burke
President

Bradley P. Dusto
Executive Vice President
and Chief Technology Officer

Michael S. Tallent
Executive Vice President
Finance and Administration

David N. Watson
Executive Vice President
Marketing and Customer Service

Stephen A. Burch
President
Mid-Atlantic Division

Michael A. Doyle
President
Eastern Division

John H. Ridall
President
Southern Division

David A. Scott
President
Midwestern Division

Thomas A. Hurley
Senior Vice President
Programming

Filemon Lopez
Senior Vice President
and President of Comcast
University

Thomas R. Nathan
Senior Vice President
and General Counsel

Allen R. Peddrick
Senior Vice President
Human Resources

David H. Richardson
Senior Vice President
Finance and Administration

Roger L. Sverdluk
Senior Vice President
Advertising Sales

Sheila Willard
Senior Vice President
Government Affairs

QVC, Inc.

Douglas S. Briggs
President

Robert E. Cadigan, Jr.
Executive Vice President
Programming, Broadcasting
and Marketing

William F. Costello
Executive Vice President
and Chief Financial Officer

Darlene M. Daggett
Executive Vice President
Merchandising / Sales
and Product Planning

Thomas G. Downs
Executive Vice President
Operations and Services

John F. Link
Executive Vice President
and Chief Information Officer

Randy Ronning
Executive Vice President
Affiliate Relations, iQVC
and New Business Development

E! Entertainment Television

Mindy Herman
President
and Chief Executive Officer

Kenneth Bettsteller
Chief Operating Officer

Gregory A. Brannan
Executive Vice President
Programming Content

David T. Cassaro
Executive Vice President
Sales and Distribution

Stephen Croncota
Senior Vice President
Marketing

Steven J. Dolcemaschio
Senior Vice President
Finance and Chief Financial Officer

Comcast-Spectacor

Edward M. Snider
Chairman

Fred A. Shabel
Vice Chairman

Sanford Lipstein
Executive Vice President
Finance and Chief Financial Officer

Philip I. Weinberg
Executive Vice President
and General Counsel

Robert E. Clarke
President and General Manager
Philadelphia Flyers

Pat W. Croce
President
Philadelphia 76ers

Peter A. Luukko
President
Comcast-Spectacor Ventures

Jack L. Williams
President
Comcast Regional Sports Television

Ronald K. Ryan
Executive Vice President
and Chief Operating Officer
Philadelphia Flyers

Comcast Business Communications

Robert M. Keane
President

Broadnet

Rian J. Wren
President

comcast

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[About Us](#)[Comcast History](#)[Key Events](#)[Executives](#)[Board of Directors](#)[comcast.com](#)

comcast About Us

BOARD OF DIRECTORS

Decker Anstrom became a director of the Company in 2001. Mr. Anstrom is president and chief executive officer of The Weather Channel, and in January 2002 will become president and chief operating officer of Landmark Communications, The Weather Channel's parent company. Previously he was president of the National Cable Television Association, of which he serves as a director and member of its executive committee.

Sheldon M. Bonovitz has been a director of the Company for more than five years. Mr. Bonovitz has been a partner specializing in tax matters with the law firm of Duane, Morris & Heckscher for more than five years and is currently Chairman and Chief Executive Officer of that firm. Mr. Bonovitz is a nephew by marriage of Ralph J. Roberts and a cousin by marriage of Brian L. Roberts. Mr. Bonovitz is also a director of Surgical Laser Technologies, Inc.

Julian A. Brodsky has served as a director and Vice Chairman of the Board of Directors of the Company for more than five years. Mr. Brodsky devotes the major portion of his time to the business and affairs of the Company. He is also a director of Comcast Cable Communications, Inc., and RBB Fund, Inc.

Joseph L. Castle, II has been a director of the Company for more than five years. Mr. Castle has been, for more than five years, a financial consultant and is the Chairman and Chief Executive Officer and a director of Castle Energy Corporation, an independent oil and gas exploration and production company. Mr. Castle is also a director of Charming Shoppes, Inc.

Brian L. Roberts has served as President of the Company and a director for more than five years. Mr. Roberts devotes the major portion of his time to the business and affairs of the Company. He is a son of Mr. Ralph J. Roberts. Mr. Roberts is also a director of Comcast Cable Communications, Inc., At Home Corporation, The Bank of New York Company, Inc., and Jones Intercable, Inc.

Ralph J. Roberts has served as a director and Chairman of the Board of Directors of the Company for more than five years. Mr. Roberts devotes the major portion of his time to the business and affairs of the Company. He is the father of Mr. Brian L. Roberts. Mr. Roberts is also a director of Comcast Cable Communications, Inc., and Jones Intercable, Inc.

Felix G. Rohatyn became a director of the Company in 2001. Mr. Rohatyn has served as US Ambassador to France, managing director of the investment bank Lazard Frères and Company, chairman of the Municipal Assistance Corporation (MAC) of the City of New York, and served as a member of the board of governors of the New York Stock Exchange.

Bernard C. Watson has been a director of the Company for more than five years. Prior to his retirement in 1997, Dr. Watson was Chairman of the Board of Directors of Health Management Alternatives Foundation from 1993 through 1997. Until 1993, he had been President and Chief Executive Officer of the William Penn Foundation for more than five years.

Irving A. Wechsler has been a director of the Company for more than five years. Mr. Wechsler is currently of counsel in the firm of Wechsler, Wolsh and Associates, Certified Public Accountants, in Pittsburgh, Pennsylvania, where he had previously been a partner for more than five years.

Anne Wexler has been a director of the Company for more than five years and has been for more than five years Chairman of the Wexler Group, a consulting firm specializing in government relations and public affairs, which is an operating unit of

Hill and Knowlton Public Affairs Worldwide. Ms. Wexler is also a director of Alumax, Inc., The Dreyfus Corporation Index Funds, The Dreyfus Corporation Mutual Funds, New England Electric System, Nova Corporation, and Wilshire Target Funds, Inc.

**COMCAST
LIST OF ALEXANDRIA EMPLOYEES
AUGUST 2001**

A

Jeannye	Abdalla	Telemarketer
Drake	Abney	Dispatcher
Dawn	Acree	Telephone Sales Assistant
Michael	Adecer	Materials Handler
George	Aitchenson	Switching & Facilities Manager
Michael	Alford	Installer
Ana	Alschen	Telemarketer
Alice	Alvarez-Allen	Telephone Services Supervisor
Aiman	Amin	Broadband Data Installer
Candy	Anderson	Transport Engineering Manager
Leita	Archer	Customer Account Executive
Nico	Awari	Customer Account Executive

B

Tracey	Bailey	Account Executive
Wally	Bakare	Telephone Business Manager
Cynthia	Baker	Telephone Service Representative
Patrick	Ballard	Switch Technician
Jennifer	Barnwell	Community Relations Specialist
Michael	Beckett	Maintenance Technician
Kapil	Bhardwaj	CABS/End User Billing Manager
Niekietta	Blalock	Telephone Service Representative
Jerry	Bolt	Switch Technician
Rosa	Bonilla	Customer Account Executive
Karen	Borders	Customer Account Executive
Walter	Bowling	QA & Security Supervisor
Michelle	Brannan	Telephone Financial Analyst
Tine	Brittle	Dispatcher
Michael	Brittle	Network Construction Manager
Kirby	Brooks	Vice President & General Manager
Darrel	Brown	Service Technician
Wallace	Bruce-Konuah	Dispatcher
Andrew	Bryant	Service Technician
Eric	Buckner	Installer
Joseph	Bundy	Service Technician
Dube	Burje	Switch Technician
Coston	Burnes	Installer
Dushawern	Burts	Customer Account Executive

C

Omar	Calderon	Dispatcher
Sandra	Campbell	Human Resource Specialist
Luis	Canedo	Service Technician
Carlos	Carter	Dispatcher
Olinda	Chacon	Customer Account Executive
Craig	Chase	Director of Network Engineering
Michael	Chatham	Senior Network Coordinator
Anthony	Chisley	Installer
Lydia	Clark	Data Entry Representative

**COMCAST
LIST OF ALEXANDRIA EMPLOYEES
AUGUST 2001**

Michael	Clark	Installation Supervisor
Rodney	Clark	Producer/Director
Christopher	Clear	Broadband Service Technician
Norma	Clemons	Accounting Coordinator
Linda	Coker	Customer Account Executive
Stehanie	Colvin	Broadband Sales Assistant
Rob	Crosier	Senior Network Coordinator
Joseph	Cummings	Account Executive

D

Lavita	Dansby	Customer Account Executive
Sheri	Davis	Customer Account Executive
Walter	De La Vega	Telephone Promotions Coordinator
Keisha	Dean	Telephone Sales Assistant
Kynisha	DeBose	Human Resource Coordinator
Maria	DeLoatch	Accounting Coordinator
Marcia	DeSouza	Telemarketer
Anthony	Dickson	Customer Account Executive
Ruby	Diggs	Telephone Service Representative
Paul	Domaszek	Technical Trainer
Charles	Doro	Installer
Marvin	Dorsey	Installer
Craig	Dow	Customer Account Executive
Michael	Durante	Senior Business Services

E

Patricia	Edmonds-Caple	Customer Account Executive
Arin	Ekandem	Broadband Data Installer
Gehad	Elnakeeb	Broadband Service Technician

F

Stephanie	Fare	Human Resource Manager
Cecillia	Fletcher	Customer Account Executive
Lenwood	Foreman	Telemarketer
Chris	Foxx	Construction Coordinator

G

Eduardo	Gaskins	Service Technician
Cesar	Gayoso	Broadband Data Installer
Sarah	Gidy	Customer Account Executive
Lachelle	Gillam	CABS/Financial Analyst
Stuart	Gitrow	Customer Account Executive
Earl	Gladden	Service Technician
Keith	Gladden	Service Technician
Teneysa	Goodwin	Customer Account Executive
Lance	Graham	Headend Technician
Janet	Graham	Telephone Account Executive
Piper	Grant	Customer Account Trainer
Nanette	Griffin	Dispatcher
Herbert	Grooms	Customer Account Supervisor

**COMCAST
LIST OF ALEXANDRIA EMPLOYEES
AUGUST 2001**

Gregory	Grosshans	Headend Technician
Bethlahem	Guedla	Telemarketer
Sarah	Gustashaw	Business Manager
Mario	Gutierrez	Materials Handler

H

Steve	Haas	Maintenance Technician
Melanie	Hampton	Customer Account Executive
Tim	Hance	Fiber & Network Operations Engineer
Lynn	Harmon	Marketing Coordinator
Patrick	Harmon	Telemarketer
Artia	Harper	Customer Account Executive
Merlenda	Harris	Administrative Assistant
Fred	Harris	Service Technician
Mark	Heinbaugh	Cablephone Manager
Jeanette	Hernandez	Customer Account Executive
Jennifer	Higgins	Telephone Administrative Assistant
Gary	Hill	Customer Account Executive
Patricia	Hill	Customer Account Supervisor
Nicole	Hillie	Broadband Service Technician
Dwuane	Holland	Headend Technician

I

Anwar	Ibrahim	Broadband Network Manager
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J

Fateria	Johnson	Customer Account Executive
Ernest	Johnson	Facilities Manager
Al	Johnson	Sales Manager
Edward	Johnson	Telemarketer
Antonise	Johnson	Telephone Service Representative
Marcia	Jones	Customer Account Executive
Clarissa	Jones	Data Entry Representative
Andrea	Jones	Receptionist
Pamela	Jones-Dashiell	Payroll Coordinator
Kaylin	Joseph	Customer Account Executive
Harry	Joyner	Installer

K

Michael	Kane	Broadband Service Technician
Richard	Kane	Telephone Project Manager
Michael	Keels	Customer Account Executive
Jack	Keville	Telephone Sales & Marketing Manager
Derrick	King	Telemarketing Supervisor
Jackie	Kitson	Customer Account Executive
Shashi	Kochar	MIS/DP Supervisor
M'Hamed	Kortobi	Service Technician

**COMCAST
LIST OF ALEXANDRIA EMPLOYEES
AUGUST 2001**

L

Todd	Lancaster	Service Supervisor
Bobby	Lane	Chief Engineeer
Elsy	Lazo	Customer Account Executive
Michael	Le	Network Construction Manager
Cynthia	Ledezma	Customer Account Executive
David	LeMoine	Network Communications Coordinator
Melanie	Lidji	Customer Account Executive
Alexander	Lim	Installer
Derek	Lymus	Production Supervisor

M

Lewis	Mangum	Business Services Operations Manager
Ibrahim	Mansaray	Installer
Maria	Mantilla	Customer Account Executive
Robin	Mason	Customer Account Executive
Marcel	Maurice	Telephone Engineering Operations Manager
Regina	McCloud	Customer Account Executive
Delonte	McCloud	Installer
Mary	McGinnis	Customer Account Executive
Tracey	McKissic	Receptionist
David	McNamara	Construction Manager
Michael	McVaney	QA Technician
Hector	Medina	Installer
Marlene	Melendez	Customer Account Executive
Shelby	Mitchell	Headend Technician
William	Morton	Customer Account Executive
Makeda	Moye	Customer Account Executive
Gerald	Moye	Dispatch Supervisor
Apollo	Mulungo	Broadband Data Installer

N

Addlgadir	Namir	Customer Service Analyst
Joyce	Nichols	Data Entry Representative
Hazel	Norris	Telemarketer
Frank	Nunez	Broadband Service Technician

O

Jerry	O'Connor	Producer/Director
Henry	Ofori	Business Sales & Marketing Manager
David	Olivo	Installer
George	Olivo	Service Technician

P

Mary	Paige	Telemarketer
Darrel	Palmer	Installer
Rodney	Palmer	Maintenance Technician
Natosha	Parnell	Dispatcher
Tavaris	Peele	Telephone Account Executive
Christopher	Perry	Network Engineer

**COMCAST
LIST OF ALEXANDRIA EMPLOYEES
AUGUST 2001**

Nicolas	Pesantes	Dispatcher
Tyrone	Pete	Installer
Abigail Reyes	Picache	CBC Territory Sales Manager
Mahogany	Pinkney	Customer Account Executive
Juana	Pita-Diaz	Customer Account Executive
Shani	Plummer	Customer Account Executive
Brandi	Porras	Service Technician

Q

Jovan	Queen	Materials Handler
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R

Donovan	Reid	Customer Account Supervisor
Adel	Rezk	Customer Account Executive
Andrea	Richardson	Customer Account Executive
Christian	Riddle	Broadband Technical Supervisor
Samantha	Roberts	Customer Account Executive
Gerald	Robinson	Telemarketer
Chelia	Roza	Customer Account Manager

S

Edwin	Sanjinas	Customer Account Executive
Veronica	Santos	Office Manager
Thomas	Saunders	Customer Account Executive
Barbara	Saunders	Telephone Administrative Assistant
Stella	Savine	Customer Account Supervisor
Brian	Savitch	Customer Account Executive
Brian	Schade	Engineering Manager
Kerry	Schilling	Service Technician
Eric	Schonberger	Commerical Development Manager
Marie	Schuler	Director of Government & Community Affairs
Mac	Selbe	Financial Analyst
Scott	Shelley	Sr. Director of Operations
Don	Skelton	Customer Account Executive
Kathy	Smith	Dispatch Manager
Anthony	Smith	Dispatcher
Harriet	Smith	Telemarketer
Fernando	Soria	Customer Account Executive
Nicolas	Soria	Customer Account Executive
Chris	Strong	Telephone Account Executive
Carmen	Suquinahua	Data Processing Manager
Harold	Sweet	Local Origination Manager
Ronald	Sykes	Service Technician

T

Tracy	Taylor	Telephone Acting General Manager
Nedelka	Tejada	Marketing Manager
Rodolfo	Tenemas	Customer Account Executive
Joseph	Tesfai	Service Technician
Marcus	Thomas	Customer Account Executive

**COMCAST
LIST OF ALEXANDRIA EMPLOYEES
AUGUST 2001**

Sylvia	Thomas	Customer Account Executive
Cindy	Tolley	Telephone Service Representative
David	Tolliver	Switch Technician
Antonia	Torres	Customer Account Executive

V

Keller	Valdez	Installer
Jorge	Vargas	Materials Handler
Jose	Vasquez	Customer Account Executive
Gloria	Vega	Data Entry Representative
Morrello	Vest	Installer
Karen	Veza	Dispatch Supervisor
Anthony	Vinson	MIS Specialist

W

Velma	Wall	Customer Account Executive
James	Washington	Customer Account Executive
Mathias	Wasikye	Maintenance Technician
Ron	West	Telephone Training & Support Manager
Jackie	White	Senior IT Specialist
Julie	Williams	Dispatcher
Bernadine	Williams	Telemarketer
Phillip	Willis	Telemarketer

X

Anton	Xereas	Director of Marketing
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Y

Brenda	Yarborough	Customer Account Executive
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2001 ANNUAL REPORT

PLANT REPORT

FCC PROOF OF PERFORMANCE

CLI FLY OVER

SERVICE CALL REPORT

OUTAGE REPORT

AUGUST 30, 2001

FCC PROOF OF PERFORMANCE

FCC REPORT – COVER SHEET

Company Name: Comcast Cable Communications of Virginia
 Street Address:

Company Name:	Comcast Cable Communications of Virginia
Street Address:	617A S. Pickett Street
City:	Alexandria
State:	Virginia
Zip Code:	22304
Headend:	Alexandria
Street Address:	3900 Wheeler Avenue
City:	Alexandria
State:	Virginia
Zip Code:	22304
V.P. General Manager:	Kirby Brooks
System Engineering Manager:	Brian Schade
Report Date:	August 31, 2001
Test Dates:	January 3, 2001 – January 31, 2001
Date of Operations:	October 1986
Channel Format:	STD
Basic Subscribers:	49009
Aerial Miles of Plant	179
Underground Miles of Plant	166

I hereby certify that this report meets FCC guidelines for Proof of Performance testing.

System Engineering Manager: Brian Schade

Date: 8-30-01

FCC PROOF OF PERFORMANCE

FCC REPORT

Corp 05613 Headend 1 Alexandria, Virginia

FCC Test Date January 2001

This FCC Proof of Performance includes the following information

- Channel Carriage List
 - Test Procedures Used to Conduct Proof Of Performance
 - Qualification Statement of Personnel Conducting Test
 - Test Equipment, Make, Model, and last Calibration
 - Test for Headend (in-channel frequency response)
 - Test Point 1-9 (test done: Visual Signal Level, Aural Signal Level, Aural Carrier Frequency, HUM, In Channel Response, Carrier to Noise, Distortion, 24-hour variance)
 - Manufacturer Specifications Attached to demonstrate terminal isolation compliance
 - Manufacturers Specifications for Traps
-

F.C.C.Proof Of Performance
F.C.C. Report - Qualifications Statement
Headend 1 Alexandria VA
Test Date : January 2001

Steve Haas	Maint. Tech.	15 Yrs. In Cable ; Education, 12 yrs.
Shelby Mitchell	Headend Tech.	15 Yrs. In Cable ; Education, 12 Yrs.
Mike Bova	Headend Tech.	9 Yrs. In Cable ; Education 14 Yrs.
Rodney Palmer	Maint. Tech.	15 Yrs. In Cable ; Education 13 Yrs.
Greg Grosshans	Maint. Tech.	12 Yrs. In Cable ; Education 12 Yrs.
Mathias Wasikye	Maint. Tech.	5 Yrs. In Cable ; Education 27 Yrs.

FCC Proof Of Performance
FCC Report - Equipment List
Headend 1 Alexandria VA
Test Date : January 2001

NTSC TV Generator	Tektronix	TSG170A	BO44200	Sep-99
Spectrum Analyzer	Tektronix	2714	BO20779	12/9/2000
Spectrum Analyzer	Tektronix	2715	BO20693	1/15/2000
Set Top Converter	Scientific Atlanta	8510	BD803GCKF	8/30/1995
Stealth Signal Meter	Wavetek	4040D	6393152	2/29/2000
Stealth Signal Meter	Wavetek	4040	5293131	Mar-00

System Summary

Comcast Communications

Alexandria, VA
ALEXANDRIA JAN 2001

Section 1: Test Points	
Subscribers	47,004
Integrated Hubs	0
Non-Integrated Hubs	0
FCC Minimum Test Points	9
Field Points Tested	9
Headend Points Tested	1

Section 2: Test Results	
	Pass
VSL Min. Level 100' Drop	100.0%
VSL Six Month Interval	99.7%
VSL 6 MHz Separation	100.0%
VSL All Channel Separation	100.0%
VSL Min. Level Converter	No Data
Visual/Aural Level Separation	100.0%
Visual/Aural Freq. Separation	100.0%
Hum	100.0%
In-Channel Response	100.0%
Carrier to Noise	100.0%
Distortion	100.0%
Color: Chroma Delay	No Data
Color: Differential Gain	No Data
Color: Differential Phase	No Data
System Total	99.9%

Section 3: Other Key Items		
VSL: Low Reading	0.0 dB	No Data
VSL: High Reading	24.8 dB	TP6 Ch 63
VSL: Max. 24 Hr Variation	2.9 dB	TP8 Ch 54
ASL: Min. V/A Delta	0.0 dB	No Data
ASL: Max. V/A Delta	16.8 dB	TP4 Ch 8
Carrier to Noise: Worst	48.0 dB	TP1 Ch 2
Carrier to Noise: Average	49.7 dB	
Distortion: Average	65.8 dB	

Section 4: Comments
>
>
>
>

FCC PROOF OF PERFORMANCE
FCC REPORT - TEST PROCEDURES

CORP 5613

HEADEND 1 ALEXANDRIA

PROCEDURES:

The following procedures describe all required FCC Proof of Performance Tests. More technical detailed information can be found in the JEM (Jones Engineering Manual) in the Proof of Performance section which is on file at our office. Technical information concerning the test equipment is also available at our office.

76.605 (A) (1) - RECEIVABILITY

Tolerance = Standard television must receive all cable channels. A standard television is used to confirm that all cable channels (NTSC Downstream Cable Channels) can be received at each test point. Picture quality is graded using a TASO scale.

Description of subject TASO grading scale:

1= Excellent: Picture is of extremely high quality. No perceptible interference.

2= Fine: Picture is of high quality providing enjoyable viewing. Interference is perceptible.

3= Passable: Picture is of acceptable quality. Interference is somewhat objectionable.

4= Inferior: Picture is of poor quality and you would like to improve it.

Interference is objectionable.

5= Unacceptable: Picture is very poor. Interference is objectionable.

76.605 (A) (2) - AURAL CARRIER FREQUENCY

Tolerance = 4.5 MHz +/- 5 kHz

Aural Carrier Frequency Separation is measured at the Headend combiner.

A frequency counter, capable of reading 4.5 MHz. Separation is used to make the measurement.

76.605 (A) (3) - VISUAL SIGNAL LEVEL

Tolerance = MIN + 3 DBMV at end of 30 meter drop / 0 DBMV at subscribers terminal.

FSM and/ or Spectrum Analyzer is used to measure Visual Signal Levels on all channels at test points. Visual RF Levels are measured at the end of a 30-meter drop connected to a subscribers pat, and also at the output of a converter connected to a 30-meter drop.

This test is made to ensure the system test points meet the minimum required level of +3 DBMV.

76.605 (A) (4) - VISUAL SIGNAL LEVEL STABILITY

Tolerance = levels must not vary more than 8 dB

= Maintain 3 dB on adjacent channels

= Maintain overall 10 dB for 300 MHz

(11 DB-400 MHz, 12 DB-500 MHz)

= Ensure levels do not cause overload

FSM and/or Spectrum Analyzer is used to measure Visual Signal Levels at all test points. The Visual RF Levels are measured at the end of a 30-meter drop connected to a subscribers tap. All downstream channels are measured and results are recorded at 6-hour intervals during a 24-hour period.

76.605 (A) (5) – AURAL SIGNAL LEVEL

Tolerance = 10 to 17 dB Delta on Visual and Aural Carrier
= 6.5 to 17 dB on output of baseband converters.

All downstream Aural Carrier Levels are measured at the Headend combiner output and at the output of a converter at each test point. The Aural Signal level is measured with a FSM or Spectrum Analyzer. This measurement is recorded as a delta of the Visual and Audio Signal Level.

76.605 (A) (6) – IN HOUSE FREQUENCY RESPONSE

Tolerance = +/- 2 dB from .75 MHz to 5 MHz above lower boundary of cable Channel.

In Channel Frequency response is checked at each test point using the designed test channels, which meet the 4 plus 1 additional channel for the system bandwidth being used. In Channel Frequency response is measured at the output of a converter connected to a subscribers tap. In Channel Frequency is measured with a Spectrum Analyzer.

- 1.) To check processed channels, a RF Sweep generator is inserted at the input of the processor at the Headend. The sweep signal is inserted at the antenna input by using a 12 dB directional coupler. The sweep signal is set approx. 15 dB below the visual carrier level of the input signal. The sweep bandwidth is adjusted to cover the channel bandwidth under test.
- 2.) To check modulated channels, a video sweep generator is inserted at the input of each modulator. The sweep signal is adjusted to operate approx. 15 dB below the Visual Carrier.
- 3.) A Spectrum Analyzer is used to make In Channel Frequency measurements at each test point. The Spectrum Analyzer is set up to view the 6 MHz that the channel occupies. A 300 kHz resolution and 1 or 2 dB per division is set up. The In Channel Frequency is measured .75 MHz to 5 MHz from the lower boundary of the channel being tested.

NOTE: for channels which are secured by positive or negative traps, manufactures specifications have been attached to this Proof of Performance Report.

78.605 (A) (7) – Carrier to Noise

Tolerance = minimum of 43 dB C/N at subscribers terminal measurement are made at all test points on the required number of test channels. (4+1 additional channel for 100 MHz). The C/N measurements are made at the output of a converter which is connected to the subscriber tap. The noise floor is measured between the Visual and Aural Carrier of the channels being tested. The modulation is removed to make the C/N measurements. The converter serves as a bandpass filters to prevent over load to the Spectrum Analyzer. A correction factor is used to adjust the resolution of the Spectrum Analyzer to a 4 MHz bandwidth.

76.605 (A) (8) – CARRIER TO DISTORTION

Tolerance = not less than 51 dB (47 dB on the HRC format)

Measurements are made at all test points on the required number of test channels (4+1 additional channel for 100 MHz.) The Carrier to Distortion measurements are made at the output of a converter which is connected to the subscribers tap. A Spectrum Analyzer is used to measure CTB, CSO, and Spurious Beats within the bandwidth of the channel being tested. CSO and Spurious measurements are made by removing the modulation from the channel. The resolution on the Spectrum Analyzer is set to 10 or 30 kHz resolution to ensure CSO and Spurious beats are visible. To check CTB, the Visual Carrier is turned off and the beat that exists under the carrier is measured and subtracted from the Visual Signal Level. Only the worst case distortion is recorded in this documentation.

76.605 (A) (9) – TERMINAL ISOLATION

Tolerance = shall not be less than 18 dB

Manufacturer specifications are used in lieu of system performance testing.

76.605 (A) (10) - HUM

Tolerance = shall not exceed 3%

Peak to Peak HUM (Low frequency distortion) is measured at each test point on one channel. Modulation is removed to make the measurement. A FSM and/or Spectrum Analyzer is used to make the measurement.

76.605 (A) (11) – COLOR PERFORMANCE STANDARDS

Tolerance = chrominance to luminance delay to be within 170 NANO-seconds

= Differential gain is not to exceed 20%

= Differential phase is not to exceed 10 degrees

The color performance measurements are made at the output of the Headend combiner. All NTSC downstream channels are checked to ensure compliance. All channels are demodulated and measurements are made utilizing a Video Analyzer (Tektronix – VM700, Videotek- TVM730, Hewlett Packard – 8591C)

Test signals (VITS – FCC composite or NTC – 7 composite) are used to make the color performance measurements. Programmer VIT signals are used to make the measurements if available. This includes both off air broadcast channels and satellite services.

NOTE: if the channel under test does not pass the requirements using the programmers VIT signals, the test will be conducted by inserting (local) test signals in to the modulator or processor. Good engineering practices will be used to determine if the failure is due to Headend equipment (examples of good engineering practices: check antenna condition/type, check antenna alignment, check satellite receiver performance, check VCII/ descrambler performance.)

FCC PROOF OF PERFORMANCE
FCC REPORT - CHANNEL CARRIAGE LIST

Cable Channel	Call Sign	Frequency	Contour	Broadcast Channel	Broadcast Location	Network
A-1	MTV	115.2700			NEW YORK, NY	
2	PRVU	55.2500			TULSA, OK	
3	KNOW	61.2500			ENGLEWOOD, CO	
4	WRC	67.2500	A	4	WASHINGTON, D.C	NBC
5	WTTG	77.2500	A	5	WASHINGTON, D.C	FOX
6	WVVI	83.2500		66	MANASSAS, VA	IND
7	WJLA	175.2500	A	7	WASHINGTON, D.C	ABC
8	NCB	181.2500			SPRINGFIELD, VA	
9	WUSA	187.2500	A	9	WASHINGTON, D.C	CBS
10	LOC	193.2500			LOCALLY FEED	
11	WNVC	199.2500	A	56	FAIRFAX, VA	PBS
12	WMPT	205.2500	A	22	ANNAPOLIS, MD	PBS
13	WETA	211.2500	A	26	WASHINGTON, D.C	PBS
14	WTMW	121.2625	B	14	ARLINGTON, VA (WTMW)	IND
15	WBDC	127.2625	A	50	WASHINGTON, D.C	INDEP
16	W48AC	133.2625	A	48	WASHINGTON, D.C	UNI
17	WTBS	139.2500			ATLANTA, GA	
18	WHMM	205.2625	B	32	WASHINGTON, D.C	PBS
19	WNVT	151.2500	B	53	GOLDVEIN, VA	PBS
20	WDCA	157.2500	A	20	WASHINGTON, D.C	INDEP
21	MSNBC	163.2500			FORT LEE, NJ	
22	A&E	169.2500			NEW YORK, NY	
23	USA	217.2500			NEW YORK, NY	
24	HNN	223.2500			ATLANTA, GA	
25	LIFE	229.2625			NEW YORK, NY	
26	CNN	235.2500			ATLANTA, GA	
27	PIN	241.2625			ENGLEWOOD, CO	
28	COURT	247.2500			NEW YORK, NY	
29	CTV	253.2500			NEW YORK, NY	
30	ADLTV	259.2625			LOS ANGELES	
30	RTV5	259.2500			LOS ANGELES, CA	
31	MAX	265.2500			NEW YORK, NY	

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Cable Channel	Call Sign	Frequency	Contour	Broadcast Channel	Broadcast Location	Network
32	TNT	271.2500			ATLANTA, GA	
33	CNBC	227.2500			FORT LEE, NJ	
34	ESPN	283.2625			BRISTOL, CT	
35	TNN	289.2500			NASHVILLE, TN	
36	HBO	295.2000			NEW YORK, NY	
37	SHO	301.2625			NEW YORK, NY	
38	HTS	307.2500			BALTIMORE, MD	
39	RTV1	313.2500			NEW YORK, NY	
40	DISN	319.2500			BURBANK, CA	
41	RTV4	325.2500			NEW YORK, NY	
42	BRV	331.2500			WOODBURY, NY	
43	DISC	337.2500			LANDOVER, MD	
44	FAM	343.2500			VIRGINIA BEACH, VA	
45	CSPN	349.2625			WASHINGTON, D.C	
46	VH-1	355.2500			NEW YORK, NY	
47	BET	361.2500			WASHINGTON, D.C	
48	PPVSN	373.2625			TULSA, OK	
49	AMC	373.2625			WOODBURY, NY	
50	NICK	379.2625			NEW YORK, NY	
51	CSPN2	385.2625			WASHINGTON, D.C	
52	TWC	391.2625			ATLANTA, GA	
53	ODYS	397.2500			NEW YORK, NY	
54	GAC	403.2500			ENGLEWOOD, CO	
55	TLC	409.2500			NEW YORK, NY	
56	THC	415.2500			NEW YORK, NY	
57	E-TV	421.2500			LOS ANGELES, CA	
58	TVFN	427.2500			CHICAGO, IL	
59	WNVT	433.2500	B	53	GOLDVEIN, VA	PBS
60	WNVC	439.2500	A	56	FAIRFAX, VA	PBS
61	SCIFI	445.2500			NEW YORK, NY	
62	TMC	451.2500			ATLANTA, GA	
63	TIC	457.2500			LOS ANGELES, CA	
64	TELMU	463.2500			NEW YORK, NY	

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Cable Channel	Call Sign	Frequency	Contour	Broadcast Channel	Broadcast Location	Network
65	TCN	469.2500				
66	ESPN2	475.2500			ATLANTA, GA	
67	ENC	481.2500			BRISTOL, CT	
68	SUND	487.2500			DENVER, CO	
69	ANA	493.2500			NEW YORK, NY	
70	HG	499.2500			WASHINGTON, D.C	
72	HBO2	511.2500				
73	SHO2	517.2500			NEW YORK, NY	
74	MAX2	523.2500			NEW YORK, NY	
75	GAC	529.2500			NEW YORK, NY	
76	RTV2	535.2500			ENGLEWOOD, CO	
77	RTV3	541.2500			LOS ANGELES, CA	
78	PLAY	547.2500			DENVER, CO	
					LOS ANGELES, CA	

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	Carrier to Noise (dB)	Desired to Undesired (dB)	CSO (dBc)	CTB (dBc)	Cross Modulation (dBc)	Adjacent Channel Lkg. (dBc)	In-Channel Response (dB)
2 Prevue 55.25							.5
3 Knowld 61.25							.6
4 WRC 67.25							1.6
5 WTTG 77.25							1.2
6 WVVI 83.25							.7
95-A5 GMU 91.25							.7
96-A4 APS 97.25							.6
99-A1 MTV 115.25							.5
14-A + WTMW 121.2625							.7
15-B + WBDC50 127.2625							.4
16-C + WMDO 133.2625							.8
17-D WTBS 139.25							.6
18-E WHMM 145.25							.6
19-F NOVA 151.25							.6
20-G WDCA 157.25							.5
21-H MSNBC 163.25							.5
22-I A&E 169.25							.7
7 WJLA 175.25							1.6
8 News 8 181.25							.5
9 WUSA 187.25							1
10 LO 10 193.25							.5
11 LO GVT 199.25							.6
12 WMPT 205.25							.5
13 WETA 211.25							.5
23-J USA 217.25							.6
24-K CNN-H 223.25							.6
25-L + Life 229.2625							.6

	Carrier to Noise (dB)	Desired to Undesired (dB)	CSO (dBc)	CTB (dBc)	Cross Modulation (dBc)	Adjacent Channel Lkg. (dBc)	In-Channel Response (dB)
26-M + CNN 235.2625							.6
27-N + PiN 241.2625							.6
28-O + Court 247.2625							.5
29-P + Comedy 253.2625							.6
30-Q + PPV 259.2625							.5
31-R + C-MAX 265.2625							.5
32-S + TNT 271.2625							.6
33-T + CNBC 277.2625							.6
34-U + ESPN 283.2625							.5
35-V + TNN 289.2625							.4
36-W + HBO 295.2625							.5
37-AA + Show 301.2625							.4
38-BB + HTS 307.2625							.6
39-CC + Speed 313.2625							.5
40-DD + Disney 319.2625							.5
41-EE + Fox Nw 325.2625							.5
42-FF + Bravo 331.275							.4
43-GG + Disc 337.2625							.3
44-HH + Family 343.2625							.4
45-II + CSPAN 349.2625							.6
46-JJ + VH-1 355.2625							.4
47-KK + BET 361.2625							.5
48-LL + Sneak 367.2625							.4
49-MM + AMC 373.2625							.6
50-NN + Nick 379.2625							.4
51-OO + CSPAN2 385.2625							.4
52-PP + WX Chn 391.2625							.5

	Carrier to Noise (dB)	Desired to Undesired (dB)	CSO (dBc)	CTB (dBc)	Cross Modulation (dBc)	Adjacent Channel Lkg. (dBc)	In-Channel Response (dB)
53-QQ + VISN 397.2625							.7
54-RR TMC 403.25							.5
55-SS TLC 409.25							.3
56-TT Histor 415.25							.5
57-UU E ! 421.25							.5
58-VV Tv-Fd 427.25							.6
59-WW WNVT 433.25							.5
60-XX WNVC 439.25							.2
61-YY Sci-Fi 445.25							.5
62-ZZ TCM 451.25							.5
63 I-NATL 457.25							.4
64 Tmundo 463.25							.5
65 C-toon 469.25							.5
66 ESPN-2 475.25							.4
67 Encore 481.25							.4
68 Sundan 487.25							.5
69 Arab-N 493.25							.4
70 HGTV 499.25							.7
72 HBO 2 511.25							.4
73 SHOW 2 517.25							.5
74 CMAX 2 523.25							.6
75 GAC 529.25							.6
76 PPV 535.25							.5
77 PPV 541.25							.4
78 PPV 547.25							.4

Test Point Summary

Comcast Communications

ALEXANDRIA JAN 2001

Section 1: Test Point		
System	Alex	Alexandria, VA
Location	TP1	5 S. Bragg St.
Type (Field/Headend)	Field	
Active Channels	79	
Active Bandwidth	550 MHz	
FCC Minimum Channels to Test	9	

Section 2: Test Results		Pass
VSL Min. Level 100' Drop	100.0%	
VSL Six Month Interval	100.0%	
VSL 6 MHz Separation	100.0%	
VSL All Channel Separation	100.0%	
VSL Min. Level Converter	No Data	
Visual/Aural Level Separation	100.0%	
Visual/Aural Freq. Separation	100.0%	
Hum	100.0%	
In-Channel Response	100.0%	
Carrier to Noise	100.0%	
Distortion	100.0%	
Color: Chroma Delay	No Data	
Color: Differential Gain	No Data	
Color: Differential Phase	No Data	
System Total	100.0%	

Section 3: Other Key Items		
VSL: Low Reading	13.5 dB	TP1 Ch 2
VSL: High Reading	18.0 dB	TP1 Ch 58
VSL: Max. 24 Hr Variation	0.5 dB	TP1 Ch 21
ASL: Min. V/A Delta	10.9 dB	TP1 Ch 2
ASL: Max. V/A Delta	16.2 dB	TP1 Ch 21
Carrier to Noise: Worst	48.0 dB	TP1 Ch 2
Carrier to Noise: Average	49.6 dB	
Distortion: Average	65.8 dB	

Section 4: Comments
>
>
>
>

Pass/Fail Analysis

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 5 S. Bragg St.

Test	Result	Followup/Comments
Visual Signal Level:		
Minimum Level 100' Drop	Passed	
6 Month Interval	Passed	
6 MHz Separation	Passed	
All Channel Separation	Passed	
VSL Min. Level at Converter	No Data	
Aural Signal Level	Passed	
Aural Center Frequency	Passed	
Hum	Passed	
In-Channel Response	Passed	
Carrier to Noise	Passed	
Distortion	Passed	
Color	No Data	

Pass/Fail Summary

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 5 S. Bragg St.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL												Color			Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D		
	R	M	H	L	O	S	C	U	C	/	I	L	F	F		
2	P	P	P	L	-	P	P	P	P	P	P	-	-	-		
3	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
4	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
5	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
6	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
95	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
96	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
99	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
14	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
15	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
16	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
17	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
18	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
19	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
20	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
21	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
22	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
7	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
8	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
9	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
10	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
11	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
12	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
13	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
23	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
24	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
25	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
26	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
27	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
28	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
29	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
30	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
31	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
32	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
33	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
34	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
35	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
36	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
37	S	S	S	S	-	S	-	-	-	-	-	-	-	-		
38	S	S	S	S	-	S	-	-	-	-	-	-	-	-		

Pass/Fail Summary

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 5 S. Bragg St.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	V S L												Color				Comments	
	D	6	M	A	C	A	A	H	I	C	D	C	D	D				
	R	M	H	L	O	S	C	U	C	/	I	L	F	F				
39	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
40	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
41	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
42	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
43	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
44	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
45	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
46	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
47	P	P	P	P	-	P	P	P	P	P	P	-	-	-	-	-	-	-
48	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
49	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
50	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
51	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
52	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
53	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
54	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
55	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
56	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
57	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
58	P	P	P	H	-	P	P	P	P	P	P	-	-	-	-	-	-	-
59	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
60	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
61	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
62	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
63	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
64	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
65	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
66	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
67	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
68	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
69	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
70	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
71	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
72	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
73	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
74	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
75	P	P	P	P	-	P	P	P	P	P	P	-	-	-	-	-	-	-
76	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
77	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-
78	S	S	S	S	-	S	-	-	-	-	-	-	-	-	-	-	-	-

Proof of Performance Public Record

Comcast Communications

ALEXANDRIA JAN 2001: 5 S. Bragg St.

Channel	Visual Signal Level				Aural Signal Level			In		
	24 Hour Test				V/A Level	A/V Freq		Channel		
	#1	#2	#3	#4	Delta	Delta	Hum	Resp.	C/N	Distortion
Date	Feb 7				Feb 7	Feb 7	Feb 7	Feb 7	Feb 7	Feb 7
TIME	618	1202	1816	0	-	-	-	-	-	-
TEMP	35.0	35.0	30.0	30.0	-	-	-	-	-	-
2	13.5	13.5	13.5	13.5	10.9	4.4999	1.2	0.7	48.0	0.0
3	14.5	14.3	14.3	14.2	0.0	0.0000	0.0	0.0	0.0	0.0
4	15.8	15.9	15.8	15.8	0.0	0.0000	0.0	0.0	0.0	0.0
5	13.8	13.7	14.0	13.8	0.0	0.0000	0.0	0.0	0.0	0.0
6	13.8	13.8	13.7	13.7	0.0	0.0000	0.0	0.0	0.0	0.0
95	14.0	13.8	13.8	13.8	0.0	0.0000	0.0	0.0	0.0	0.0
96	15.8	15.7	15.4	15.6	0.0	0.0000	0.0	0.0	0.0	0.0
99	14.1	14.0	14.0	14.1	15.7	4.5000	0.3	0.9	52.0	0.0
14	15.6	15.6	15.4	15.5	0.0	0.0000	0.0	0.0	0.0	0.0
15	13.9	14.0	14.0	14.0	0.0	0.0000	0.0	0.0	0.0	0.0
16	13.9	15.2	15.4	15.6	0.0	0.0000	0.0	0.0	0.0	0.0
17	14.0	13.7	13.7	13.7	0.0	0.0000	0.0	0.0	0.0	0.0
18	14.9	14.8	14.8	14.7	0.0	0.0000	0.0	0.0	0.0	0.0
19	14.3	14.2	14.2	14.1	0.0	0.0000	0.0	0.0	0.0	0.0
20	14.4	14.2	14.4	14.3	0.0	0.0000	0.0	0.0	0.0	0.0
21	14.1	14.6	14.4	14.4	16.2	4.5000	1.5	0.9	49.4	0.0
22	14.2	14.0	14.0	13.9	0.0	0.0000	0.0	0.0	0.0	0.0
7	15.2	14.7	14.9	15.0	0.0	0.0000	0.0	0.0	0.0	0.0
8	15.7	15.6	15.4	15.5	16.0	4.5000	0.9	0.9	48.6	0.0
9	15.8	15.8	15.5	15.7	0.0	0.0000	0.0	0.0	0.0	0.0
10	15.7	15.6	15.5	15.5	0.0	0.0000	0.0	0.0	0.0	0.0
11	15.4	15.4	15.3	15.3	0.0	0.0000	0.0	0.0	0.0	0.0
12	14.9	14.9	14.9	15.0	0.0	0.0000	0.0	0.0	0.0	0.0
13	15.7	15.7	15.7	15.8	0.0	0.0000	0.0	0.0	0.0	0.0
23	15.1	15.0	14.9	15.0	15.7	4.5000	0.8	1.0	50.6	0.0
24	15.1	15.2	15.2	15.1	0.0	0.0000	0.0	0.0	0.0	0.0
25	14.8	14.8	14.8	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
26	15.6	15.5	15.3	15.3	0.0	0.0000	0.0	0.0	0.0	0.0
27	15.1	15.1	15.0	15.1	0.0	0.0000	0.0	0.0	0.0	0.0
28	15.5	15.6	15.5	15.7	0.0	0.0000	0.0	0.0	0.0	0.0
29	14.8	14.6	14.8	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
30	14.3	14.2	14.2	14.2	0.0	0.0000	0.0	0.0	0.0	0.0
31	14.9	14.8	14.7	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
32	15.4	15.3	15.2	15.4	15.1	4.5000	1.2	0.6	48.9	0.0
33	14.0	13.8	13.8	13.9	0.0	0.0000	0.0	0.0	0.0	0.0
34	14.6	14.6	14.5	14.5	0.0	0.0000	0.0	0.0	0.0	0.0
35	15.3	15.3	15.3	15.3	0.0	0.0000	0.0	0.0	0.0	0.0
36	15.9	15.9	15.8	15.9	0.0	0.0000	0.0	0.0	0.0	0.0
37	14.2	14.1	14.2	14.1	0.0	0.0000	0.0	0.0	0.0	0.0



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040D
 Operator: MATHIAS
 Date: 02/07/01 Time: 06:18:22
 Description:

Serial #: 6393152
 File: BRAGG1

Cal Date: 10/12/98
 DOS File: BRAGG1

Location: BRAG1	AmpID:	Reverse Pad:
Location Type: FieldTest	Power Cfg:	Forward Pad:
Area:	Feeder Maker Cfg:	Rev Equalizer:
Test Pnt Type:	Trunk Term:	Fwd Equalizer:
Test Pnt Comp:	Voltage Setting:	Temp:
AC Voltage:	DC Voltage (reg):	DC Voltage (unreg):

Date:	#1	#2	#3	#4	
Time:	02/07/01	02/07/01	02/07/01	02/08/01	
Temp:	06:18:22	12:02:31	18:16:38	00:16:49	
Channel	2.2 C	26.0 C	26.0 C	26.0 C	
	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
2	13.5	13.5	13.5	13.5	
3	14.5	14.3	14.3	14.2	
4	15.8	15.9	15.8	15.8	
5	13.8	13.7	14.0	13.8	
6	13.8	13.8	13.7	13.7	
7	15.2	14.7	14.9	15.0	
8	15.7	15.6	15.4	15.5	
9	15.8	15.8	15.5	15.7	
10	15.7	15.6	15.5	15.5	
11	15.4	15.4	15.3	15.3	
12	14.9	14.9	14.9	15.0	
13	15.7	15.7	15.7	15.8	
14	15.6	15.6	15.4	15.5	
15	13.9	14.0	14.0	14.0	
16	13.9	15.2	15.4	15.6	
17	14.0	13.7	13.7	13.7	
18	14.9	14.8	14.8	14.7	
19	14.3	14.2	14.2	14.1	
20	14.4	14.2	14.4	14.3	
21	14.1	14.6	14.4	14.4	
22	14.2	14.0	14.0	13.9	
23	15.1	15.0	14.9	15.0	
24	15.1	15.2	15.2	15.1	
25	14.8	14.8	14.8	14.8	
26	15.6	15.5	15.3	15.3	
27	15.1	15.1	15.0	15.1	
28	15.5	15.6	15.5	15.7	
29	14.8	14.6	14.8	14.8	
30	14.3	14.2	14.2	14.2	
31	14.9	14.8	14.7	14.8	
32	15.4	15.3	15.2	15.4	
33	14.0	13.8	13.8	13.9	
34	14.6	14.6	14.5	14.5	
35	15.3	15.3	15.3	15.3	
36	15.9	15.9	15.8	15.9	
37	14.2	14.1	14.2	14.1	
38	14.0	13.8	14.0	14.2	
39	15.3	15.1	15.2	15.2	
40	15.1	15.0	15.0	15.0	
41	16.5	16.6	16.6	16.5	
42	16.7	16.6	16.5	16.6	
43	16.1	15.8	16.0	15.9	
44	14.8	14.5	14.6	14.4	
45	15.4	15.3	15.4	15.3	
46	16.3	16.2	16.1	16.2	



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040D
 Operator: MATHIAS
 Date: 02/07/01 Time: 06:18:22
 Description:

Serial #: 6393152
 File: BRAGG1

Cal Date: 10/12/98
 DOS File: BRAGG1

Date:	#1	#2	#3	#4	
02/07/01	02/07/01	02/07/01	02/07/01	02/08/01	
06:18:22	06:18:22	12:02:31	18:16:38	00:16:49	
Temp:	2.2 C	26.0 C	26.0 C	26.0 C	
Channel	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
47	15.4	15.3	15.3	15.4	
48	16.5	16.4	16.4	16.5	
49	16.7	16.6	16.6	16.7	
50	15.3	15.2	15.2	15.1	
51	16.8	16.8	16.7	16.7	
52	16.5	16.6	16.4	16.6	
53	17.5	17.5	17.3	17.6	
54	15.8	15.7	15.1	15.5	
55	15.9	15.9	16.0	15.9	
56	16.5	16.3	16.3	16.4	
57	17.4	17.2	17.3	17.4	
58	18.0	17.7	17.8	17.8	
59	17.0	16.7	16.9	16.9	
60	16.1	15.8	15.9	16.0	
61	16.0	15.8	15.9	15.8	
62	17.4	17.4	17.3	17.2	
63	19.1	18.8	18.8	19.0	
64	17.9	17.9	18.1	18.0	
65	19.1	19.4	19.2	19.5	
66	17.6	18.7	18.6	18.6	
67	17.6	19.6	19.6	19.5	
68	17.1	17.8	17.8	17.0	
69	15.1	12.7	12.5	12.5	
70	15.5	13.7	13.8	14.1	
71	14.3	13.7	13.7	13.9	
72	14.5	14.5	14.4	14.6	
73	14.9	15.0	14.9	15.0	
74	14.8	14.9	14.9	14.9	
75	15.7	15.7	15.9	15.7	
76	16.0	16.2	16.2	16.2	
77	14.2	14.3	14.4	14.3	
78	14.7	14.7	14.8	14.7	
95	14.0	13.8	13.8	13.8	
96	15.8	15.7	15.4	15.6	
99	14.1	14.0	14.0	14.1	

LIMIT CHECK	Limit	1	2	3	4	
Min Video Carrier Level	..					Pass
Max Delta Video Level	..					Pass
Min Delta V/A	..					Pass
Max Delta V/A	..					Pass
Max Delta Adjacent Chan	..					Pass
Max 24 Hour Deviation	..					Pass
Min Digital Level	..				Not A Valid Test	Fail
Max Digital Level	..					Pass
Conclusion:						FAIL

Reviewed: _____ Date: _____

	Visual Carrier Lev (dBmV)	Visual Carrier Freq (MHz)	Aural Carrier Lev (dBc)	Aural Frequency Offset (MHz)	2nd Aural Carrier Lev (dBc)	2nd Aural Frequency Offset (MHz)	Average Power (dBmV)
2 61.25	19.1	61.280188	-10.9	4.499961			
99-A1 61.25	22	61.302878	-15.7	4.500041			
21-H 61.25	18.5	61.277627	-16.2 *	4.500037			
8 61.25	18.3	61.27642	-16 *	4.50004			
23-J 61.25	18.5	61.275607	-15.7	4.500004			
32-S+ 61.25	18	61.285979	-15.1	4.500024			
47-KK+ 61.25	19.2	61.283142	-15.7	4.500026			
58-VV 61.25	18	61.271438	-15.8	4.500032			
75 61.25	17	61.268471	-15.4	4.500062			

	Carrier to Noise (dB)	Desired to Undesired (dB)	CSO (dBc)	CTB (dBc)	Cross Modulation (dBc)	Adjacent Channel Lkg. (dBc)	In-Channel Response (dB)
2 61.25	48		-68.7	-67.2	-48		.7
99-A1 61.25	52		-69.1	-70.9	-48		.9
21-H 61.25	49.4		-67.7	-68.6	-48		.9
8 61.25	48.6		-67.1	-66.8	-48		.9
23-J 61.25	50.6		-67.1	-66.3	-48		1
32-S+ 61.25	48.9		-52.6	-67.3	-48		.6
47-KK + 61.25	49		-68.1	-65.2	-48		.5
58-VV 61.25	49		-52.3	-65.8	-48		.7
75 61.25	50.6		-66.8	-66.9	-48		1

	HUM/LFD (%)
2 61.25	1.2
99-A1 61.25	.3
21-H 61.25	1.5
8 61.25	.9
23-J 61.25	.8
32-S + 61.25	1.2
47-KK + 61.25	1.7
58-VV 61.25	.3
75 61.25	.7

Test Point Summary

Comcast Communications

ALEXANDRIA JAN 2001

Section 1: Test Point		
System	Alex	Alexandria, VA
Location	TP2	01 S Whitting St.
Type (Field/Headend)	Field	
Active Channels	79	
Active Bandwidth	550 MHz	
FCC Minimum Channels to Test	9	

Section 2: Test Results	Pass	
VSL Min. Level 100' Drop	100.0%	
VSL Six Month Interval	100.0%	
VSL 6 MHz Separation	100.0%	
VSL All Channel Separation	100.0%	
VSL Min. Level Converter	No Data	
Visual/Aural Level Separation	100.0%	
Visual/Aural Freq. Separation	100.0%	
Hum	100.0%	
In-Channel Response	100.0%	
Carrier to Noise	100.0%	
Distortion	100.0%	
Color: Chroma Delay	No Data	
Color: Differential Gain	No Data	
Color: Differential Phase	No Data	
System Total	100.0%	

Section 3: Other Key Items		
VSL: Low Reading	10.8 dB	TP2 Ch 2
VSL: High Reading	20.6 dB	TP2 Ch 68
VSL: Max. 24 Hr Variation	2.4 dB	TP2 Ch 16
ASL: Min. V/A Delta	15.0 dB	TP2 Ch 2
ASL: Max. V/A Delta	16.2 dB	TP2 Ch 75
Carrier to Noise: Worst	48.2 dB	TP2 Ch 21
Carrier to Noise: Average	49.2 dB	
Distortion: Average	65.7 dB	

Section 4: Comments		
>		
>		
>		
>		

185

Pass/Fail Analysis

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 01 S Whitting St.

Test	Result	Followup/Comments
Visual Signal Level:		
Minimum Level 100' Drop	Passed	
6 Month Interval	Passed	
6 MHz Separation	Passed	
All Channel Separation	Passed	
VSL Min. Level at Converter	No Data	
Aural Signal Level	Passed	
Aural Center Frequency	Passed	
Hum	Passed	
In-Channel Response	Passed	
Carrier to Noise	Passed	
Distortion	Passed	
Color	No Data	

Pass/Fail Summary

Comcast Communications

Alexandria, VA

ALEXANDRIA JAN 2001: 01 S Whitting St.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL											Color			Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D	
	R	M	H	L	O	S	C	U	C	/	I	L	F	F	
2	P	P	P	L	-	P	P	P	P	P	P	-	-	-	
3	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
4	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
5	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
6	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
95	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
96	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
99	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
14	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
15	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
16	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
17	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
18	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
19	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
20	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
21	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
22	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
7	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
8	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
9	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
10	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
11	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
12	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
13	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
23	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
24	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
25	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
26	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
27	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
28	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
29	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
30	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
31	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
32	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
33	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
34	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
35	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
36	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
37	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
38	P	P	P	P	-	S	-	-	-	-	-	-	-	-	

Pass/Fail Summary

Comcast Communications

Alexandria, VA

ALEXANDRIA JAN 2001: 01 S Whitting St.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL											Color				Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D		
	R	M	H	L	O	S	C	U	C	/	I	L	F	F		
39	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
40	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
41	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
42	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
43	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
44	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
45	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
46	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
47	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
48	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
49	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
50	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
51	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
52	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
53	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
54	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
55	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
56	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
57	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
58	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
59	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
60	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
61	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
62	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
63	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
64	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
65	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
66	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
67	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
68	P	P	P	H	-	S	-	-	-	-	-	-	-	-		
69	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
70	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
71	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
72	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
73	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
74	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
75	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
76	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
77	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
78	P	P	P	P	-	S	-	-	-	-	-	-	-	-		

Proof of Performance Public Record

Comcast Communications

ALEXANDRIA JAN 2001: 01 S Whitting St.

Channel	Visual Signal Level				Aural Signal Level			In Channel	C/N	Distortion
	24 Hour Test				V/A Level	A/V Freq	Hum			
	#1	#2	#3	#4	Delta	Delta	Delta			
Date	Feb 7				Feb 22	Feb 22	Feb 22	Feb 22	Feb 22	Feb 22
TIME	6	12	18	0	-	-	-	-	-	-
TEMP	27.0	27.0	28.0	27.0	-	-	-	-	-	-
2	10.8	11.6	11.4	11.3	15.0	4.5001	1.7	0.9	48.5	0.0
3	11.4	11.8	11.7	11.7	0.0	0.0000	0.0	0.0	0.0	0.0
4	12.9	12.9	13.1	12.8	0.0	0.0000	0.0	0.0	0.0	0.0
5	11.3	11.8	11.8	11.8	0.0	0.0000	0.0	0.0	0.0	0.0
6	11.3	11.9	11.7	11.9	0.0	0.0000	0.0	0.0	0.0	0.0
95	12.0	12.5	12.6	12.5	0.0	0.0000	0.0	0.0	0.0	0.0
96	12.3	12.7	12.6	13.0	0.0	0.0000	0.0	0.0	0.0	0.0
99	11.7	11.9	12.0	11.7	15.9	4.5000	0.8	0.9	52.3	0.0
14	13.3	13.8	13.9	13.8	0.0	0.0000	0.0	0.0	0.0	0.0
15	12.7	13.3	13.2	13.1	0.0	0.0000	0.0	0.0	0.0	0.0
16	13.9	11.5	12.1	13.3	0.0	0.0000	0.0	0.0	0.0	0.0
17	12.6	13.6	12.7	12.6	0.0	0.0000	0.0	0.0	0.0	0.0
18	12.9	13.1	13.0	13.1	0.0	0.0000	0.0	0.0	0.0	0.0
19	13.1	13.5	13.5	13.4	0.0	0.0000	0.0	0.0	0.0	0.0
20	12.8	13.0	13.1	13.0	0.0	0.0000	0.0	0.0	0.0	0.0
21	13.4	13.7	13.7	13.5	15.4	4.5000	0.9	0.6	48.2	0.0
22	13.3	13.2	13.1	13.1	0.0	0.0000	0.0	0.0	0.0	0.0
7	13.5	13.4	13.4	13.5	0.0	0.0000	0.0	0.0	0.0	0.0
8	14.9	14.9	15.2	15.2	15.9	4.5000	0.8	0.8	48.6	0.0
9	14.8	15.2	15.2	15.2	0.0	0.0000	0.0	0.0	0.0	0.0
10	14.8	14.8	14.8	14.5	0.0	0.0000	0.0	0.0	0.0	0.0
11	14.4	14.4	14.3	14.4	0.0	0.0000	0.0	0.0	0.0	0.0
12	14.0	14.0	14.0	14.2	0.0	0.0000	0.0	0.0	0.0	0.0
13	15.2	15.4	15.2	15.3	0.0	0.0000	0.0	0.0	0.0	0.0
23	14.4	14.6	14.5	14.6	15.5	4.5000	0.7	0.9	48.2	0.0
24	14.7	14.7	14.6	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
25	14.4	14.4	14.3	14.4	0.0	0.0000	0.0	0.0	0.0	0.0
26	14.8	14.6	14.6	14.5	0.0	0.0000	0.0	0.0	0.0	0.0
27	15.0	14.9	15.0	15.0	0.0	0.0000	0.0	0.0	0.0	0.0
28	15.4	15.5	15.6	15.5	0.0	0.0000	0.0	0.0	0.0	0.0
29	14.4	14.8	14.8	14.7	0.0	0.0000	0.0	0.0	0.0	0.0
30	14.0	14.0	14.0	13.9	0.0	0.0000	0.0	0.0	0.0	0.0
31	14.6	14.6	14.6	14.6	0.0	0.0000	0.0	0.0	0.0	0.0
32	15.1	15.0	15.0	14.9	15.5	4.5000	0.8	0.8	49.3	0.0
33	13.8	13.7	13.7	13.7	0.0	0.0000	0.0	0.0	0.0	0.0
34	14.5	14.5	14.5	14.4	0.0	0.0000	0.0	0.0	0.0	0.0
35	15.2	15.1	15.2	15.1	0.0	0.0000	0.0	0.0	0.0	0.0
36	15.6	15.3	15.3	15.3	0.0	0.0000	0.0	0.0	0.0	0.0
37	14.0	13.8	13.8	13.8	0.0	0.0000	0.0	0.0	0.0	0.0



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040D
 Operator: MATHIAS
 Date: 02/07/01 Time: 06:27:31
 Description:

Serial #: 6393152
 File: SWITTING1

Cal Date: 10/12/98
 DOS File: SWITTING1

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmplD:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 27.0 C
 DC Voltage (unreg): 0.0

	#1	#2	#3	#4	
Date:	02/07/01	02/07/01	02/07/01	02/08/01	
Time:	06:27:31	12:17:10	18:26:36	00:21:46	
Temp:	27.0 C	7.8 C	6.1 C	2.8 C	
Channel	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
2	10.8	11.6	11.4	11.3	
3	11.4	11.8	11.7	11.7	
4	12.9	12.9	13.1	12.8	
5	11.3	11.8	11.8	11.8	
6	11.3	11.9	11.7	11.9	
7	13.5	13.4	13.4	13.5	
8	14.9	14.9	15.2	15.2	
9	14.8	15.2	15.2	15.2	
10	14.8	14.8	14.8	14.5	
11	14.4	14.4	14.3	14.4	
12	14.0	14.0	14.0	14.2	
13	15.2	15.4	15.2	15.3	
14	13.3	13.8	13.9	13.8	
15	12.7	13.3	13.2	13.1	
16	13.9	11.5	12.1	13.3	
17	12.6	12.6	12.7	12.6	
18	12.9	13.1	13.0	13.1	
19	13.1	13.5	13.5	13.4	
20	12.8	13.0	13.1	13.0	
21	13.4	13.7	13.7	13.5	
22	13.3	13.2	13.1	13.1	
23	14.4	14.6	14.5	14.6	
24	14.7	14.7	14.6	14.8	
25	14.4	14.4	14.3	14.4	
26	14.8	14.6	14.6	14.5	
27	15.0	14.9	15.0	15.0	
28	15.4	15.5	15.6	15.5	
29	14.4	14.8	14.8	14.7	
30	14.0	14.0	14.0	13.9	
31	14.6	14.6	14.6	14.6	
32	15.1	15.0	15.0	14.9	
33	13.8	13.7	13.7	13.7	
34	14.5	14.5	14.5	14.4	
35	15.2	15.1	15.2	15.1	
36	15.6	15.3	15.3	15.3	
37	14.0	13.8	13.8	13.8	
38	14.0	14.0	13.9	14.0	
39	14.9	15.0	14.9	14.9	
40	14.9	14.8	14.8	14.9	
41	15.9	16.1	16.1	16.1	
42	16.0	15.6	15.7	15.6	
43	15.6	15.6	15.6	15.7	
44	16.3	16.3	16.3	16.2	
45	16.2	16.4	16.3	16.3	
46	17.1	17.0	16.9	17.0	



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040D
 Operator: MATHIAS
 Date: 02/07/01 Time: 06:27:31
 Description:

Serial #: 6393152
 File: SWITTING1

Cal Date: 10/12/98
 DOS File: SWITTING1

Date:	#1	#2	#3	#4	
Time:	02/07/01	02/07/01	02/07/01	02/08/01	
Temp:	06:27:31	12:17:10	18:26:36	00:21:46	
Channel	27.0 C	7.8 C	6.1 C	2.8 C	24Hr Deviation(dB)
	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	
47	16.2	15.9	15.7	15.9	
48	16.7	16.5	16.3	16.5	
49	16.8	16.7	16.6	16.6	
50	15.9	15.6	15.5	15.6	
51	16.9	16.8	16.6	16.8	
52	17.4	17.2	17.2	17.0	
53	18.5	18.0	18.0	17.9	
54	16.3	16.8	16.9	16.7	
55	16.6	16.5	16.7	16.5	
56	17.6	17.5	17.5	17.5	
57	18.4	18.0	18.0	17.9	
58	19.1	18.5	18.7	18.4	
59	17.8	17.6	17.7	17.5	
60	16.8	16.9	16.9	16.9	
61	16.6	16.6	16.6	16.6	
62	18.8	18.5	18.6	18.5	
63	20.0	19.7	19.6	19.6	
64	18.6	18.4	18.2	18.4	
65	19.3	19.5	19.5	19.5	
66	19.1	19.2	19.1	19.1	
67	19.4	19.1	19.1	19.2	
68	20.6	20.3	20.2	20.3	
69	19.5	19.4	19.4	19.3	
70	20.1	20.0	20.1	20.0	
71	18.7	18.5	18.4	18.4	
72	19.3	19.1	19.0	19.0	
73	18.7	18.4	18.4	18.3	
74	18.3	17.9	18.0	17.9	
75	19.3	19.2	19.3	19.2	
76	19.3	19.3	19.2	19.3	
77	18.0	17.8	17.8	17.7	
78	18.7	18.3	18.3	18.3	
95	12.0	12.5	12.6	12.5	
96	12.3	12.7	12.6	13.0	
99	11.7	11.9	12.0	11.7	

LIMIT CHECK	Limit	1	2	3	4	
Min Video Carrier Level	..					Pass
Max Delta Video Level	..					Pass
Min Delta V/A	..					Pass
Max Delta V/A	..					Pass
Max Delta Adjacent Chan	..					Pass
Max 24 Hour Deviation	..					Fail
Min Digital Level	..					Pass
Max Digital Level	..					Pass
Conclusion:						FAIL

Reviewed: _____ Date: _____

	Visual Carrier Lev (dBmV)	Visual Carrier Freq (MHz)	Aural Carrier Lev (dBc)	Aural Frequency Offset (MHz)	2nd Aural Carrier Lev (dBc)	2nd Aural Frequency Offset (MHz)	Average Power (dBmV)
2 61.25	15	61.273728	-11.6	4.500148			
99-A1 61.25	18.8	61.298012	-15.9	4.500081			
21-H 61.25	15.4	61.273063	-16.1 *	4.50007			
8 61.25	15.9	61.272066	-16.6 *	4.500058			
23-J 61.25	15.5	61.271462	-16.3 *	4.500053			
32-S+ 61.25	16.2	61.281978	-15.5	4.500061			
47-KK+ 61.25	16.4	61.279301	-15.8	4.500074			
58-VV 61.25	16	61.267784	-15.9	4.50004			
75 61.25	15.2	61.264908	-16.2 *	4.500074			

	Carrier to Noise (dB)	Desired to Undesired (dB)	CSO (dBc)	CTB (dBc)	Cross Modulation (dBc)	Adjacent Channel Lkg. (dBc)	In-Channel Response (dB)
2 61.25	48.5		-68.4	-68.1	-48		.9
99-A1 61.25	52.3		-68.7	-70.8	-48		.9
21-H 61.25	48.2		-68.7	-67.2	-48		.6
8 61.25	48.6		-65.4	-66.2	-48		.8
23-J 61.25	48.2		-66.6	-65.4	-48		.9
32-S+ 61.25	49.3		-56.9	-65.6	-48		.8
47-KK+ 61.25	49.2		-68.7	-64.6	-48		.6
58-VV 61.25	49.3		-55.5	-63.9	-48		1
75 61.25	49		-67.4	-64.9	-48		.9

	HUM/LFD (%)
2 61.25	1.7
99-A1 61.25	.8
21-H 61.25	.9
8 61.25	.8
23-J 61.25	.7
32-S+ 61.25	.8
47-KK+ 61.25	.9
58-VV 61.25	.5
75 61.25	.7

Test Point Summary

Comcast Communications

ALEXANDRIA JAN 2001

Section 1: Test Point		
System	Alex	Alexandria, VA
Location	TP3	24 N. Donelson
Type (Field/Headend)	Field	
Active Channels	79	
Active Bandwidth	550 MHz	
FCC Minimum Channels to Test	9	

Section 2: Test Results		Pass
VSL Min. Level 100' Drop	100.0%	
VSL Six Month Interval	100.0%	
VSL 6 MHz Separation	100.0%	
VSL All Channel Separation	100.0%	
VSL Min. Level Converter	No Data	
Visual/Aural Level Separation	100.0%	
Visual/Aural Freq. Separation	100.0%	
Hum	100.0%	
In-Channel Response	100.0%	
Carrier to Noise	100.0%	
Distortion	100.0%	
Color: Chroma Delay	No Data	
Color: Differential Gain	No Data	
Color: Differential Phase	No Data	
System Total	100.0%	

Section 3: Other Key Items		
VSL: Low Reading	14.1 dB	TP3 Ch 99
VSL: High Reading	20.3 dB	TP3 Ch 62
VSL: Max. 24 Hr Variation	1.3 dB	TP3 Ch 54
ASL: Min. V/A Delta	15.5 dB	TP3 Ch 32
ASL: Max. V/A Delta	16.5 dB	TP3 Ch 8
Carrier to Noise: Worst	48.3 dB	TP3 Ch 8
Carrier to Noise: Average	49.3 dB	
Distortion: Average	67.4 dB	

Section 4: Comments
>
>
>
>

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Pass/Fail Analysis

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 24 N. Donelson

Test	Result	Followup/Comments
Visual Signal Level:		
Minimum Level 100' Drop	Passed	
6 Month Interval	Passed	
6 MHz Separation	Passed	
All Channel Separation	Passed	
VSL Min. Level at Converter	No Data	
Aural Signal Level	Passed	
Aural Center Frequency	Passed	
Hum	Passed	
In-Channel Response	Passed	
Carrier to Noise	Passed	
Distortion	Passed	
Color	No Data	

Pass/Fail Summary

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 24 N. Donelson

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL												Color			Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D		
	R	M	H	L	O	S	C	U	C	/	I	L	F	F		
2	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
3	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
4	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
5	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
6	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
95	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
96	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
99	P	P	P	L	-	P	P	P	P	P	P	-	-	-		
14	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
15	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
16	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
17	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
18	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
19	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
20	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
21	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
22	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
7	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
8	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
9	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
10	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
11	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
12	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
13	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
23	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
24	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
25	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
26	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
27	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
28	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
29	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
30	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
31	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
32	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
33	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
34	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
35	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
36	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
37	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
38	P	P	P	P	-	S	-	-	-	-	-	-	-	-		

Pass/Fail Summary

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 24 N. Donelson

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL												Color		Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D	
	R	M	H	L	O	S	C	U	C	/	I	L	F	F	
39	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
40	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
41	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
42	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
43	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
44	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
45	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
46	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
47	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
48	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
49	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
50	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
51	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
52	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
53	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
54	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
55	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
56	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
57	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
58	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
59	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
60	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
61	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
62	P	P	P	H	-	S	-	-	-	-	-	-	-	-	
63	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
64	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
65	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
66	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
67	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
68	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
69	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
70	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
71	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
72	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
73	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
74	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
75	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
76	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
77	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
78	P	P	P	P	-	S	-	-	-	-	-	-	-	-	

Proof of Performance Public Record

Comcast Communications

ALEXANDRIA JAN 2001: 24 N. Donelson

Channel	Visual Signal Level				Aural Signal Level			In Channel	C/N	Distortion
	24 Hour Test				V/A Level	A/V Freq	Hum			
	#1	#2	#3	#4	Delta	Delta	Hum	Resp.	Feb 23	Feb 23
Date	Feb 6				Feb 23	Feb 23	Feb 23	Feb 23	Feb 23	Feb 23
TIME	5	11	18	24	-	-	-	-	-	-
TEMP	30.0	28.0	28.0	27.0	-	-	-	-	-	-
2	14.2	14.4	14.3	14.3	16.1	4.5000	1.0	0.8	49.2	0.0
3	15.0	15.1	15.1	15.2	0.0	0.0000	0.0	0.0	0.0	0.0
4	14.7	14.6	14.4	14.5	0.0	0.0000	0.0	0.0	0.0	0.0
5	14.9	14.5	14.8	14.6	0.0	0.0000	0.0	0.0	0.0	0.0
6	14.4	14.2	14.2	14.2	0.0	0.0000	0.0	0.0	0.0	0.0
95	14.4	14.5	14.5	14.6	0.0	0.0000	0.0	0.0	0.0	0.0
96	15.0	14.9	15.2	15.1	0.0	0.0000	0.0	0.0	0.0	0.0
99	14.1	14.3	14.1	14.4	16.0	4.5000	0.9	0.8	52.7	0.0
14	14.8	14.9	14.9	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
15	14.7	14.8	15.0	15.0	0.0	0.0000	0.0	0.0	0.0	0.0
16	14.7	14.5	14.7	14.1	0.0	0.0000	0.0	0.0	0.0	0.0
17	14.8	14.8	15.1	14.7	0.0	0.0000	0.0	0.0	0.0	0.0
18	14.5	14.8	14.3	14.3	0.0	0.0000	0.0	0.0	0.0	0.0
19	14.4	14.6	14.5	14.2	0.0	0.0000	0.0	0.0	0.0	0.0
20	14.5	14.7	14.8	14.7	0.0	0.0000	0.0	0.0	0.0	0.0
21	14.3	14.7	14.7	14.7	15.9	4.5000	1.0	0.7	48.6	0.0
22	15.3	15.5	15.6	15.4	0.0	0.0000	0.0	0.0	0.0	0.0
7	15.2	15.2	15.1	14.9	0.0	0.0000	0.0	0.0	0.0	0.0
8	15.4	14.9	14.8	15.2	16.5	4.5000	0.9	0.8	48.3	0.0
9	15.3	15.5	15.5	15.6	0.0	0.0000	0.0	0.0	0.0	0.0
10	15.2	15.3	15.1	14.9	0.0	0.0000	0.0	0.0	0.0	0.0
11	15.3	15.3	15.3	15.5	0.0	0.0000	0.0	0.0	0.0	0.0
12	15.5	15.1	15.5	15.4	0.0	0.0000	0.0	0.0	0.0	0.0
13	16.2	16.0	16.2	15.8	0.0	0.0000	0.0	0.0	0.0	0.0
23	15.5	15.6	15.5	15.2	15.7	4.5000	0.7	0.7	48.3	0.0
24	15.6	15.3	15.6	15.5	0.0	0.0000	0.0	0.0	0.0	0.0
25	16.2	16.0	15.9	16.6	0.0	0.0000	0.0	0.0	0.0	0.0
26	15.5	15.8	16.0	15.8	0.0	0.0000	0.0	0.0	0.0	0.0
27	15.4	15.5	15.6	15.5	0.0	0.0000	0.0	0.0	0.0	0.0
28	16.6	16.7	16.6	16.2	0.0	0.0000	0.0	0.0	0.0	0.0
29	16.4	16.6	16.2	16.5	0.0	0.0000	0.0	0.0	0.0	0.0
30	16.4	16.3	16.2	16.2	0.0	0.0000	0.0	0.0	0.0	0.0
31	16.6	16.7	16.5	16.7	0.0	0.0000	0.0	0.0	0.0	0.0
32	16.5	16.5	16.4	16.3	15.5	4.5000	1.5	0.7	49.4	0.0
33	15.6	15.9	15.9	16.0	0.0	0.0000	0.0	0.0	0.0	0.0
34	15.8	15.9	15.7	15.8	0.0	0.0000	0.0	0.0	0.0	0.0
35	15.8	15.8	16.0	16.0	0.0	0.0000	0.0	0.0	0.0	0.0
36	16.1	16.1	16.1	16.1	0.0	0.0000	0.0	0.0	0.0	0.0
37	16.1	16.2	16.1	16.1	0.0	0.0000	0.0	0.0	0.0	0.0

Proof of Performance Public Record

Comcast Communications

ALEXANDRIA JAN 2001: 24 N. Donelson

Channel	Visual Signal Level				Aural Signal Level			In Channel	C/N	Distortion
	24 Hour Test				V/A Level	A/V Freq	Hum			
	#1	#2	#3	#4	Delta	Delta	Hum	Resp.		
38	15.8	15.8	15.7	16.1	0.0	0.0000	0.0	0.0	0.0	0.0
39	16.7	16.7	16.7	16.6	0.0	0.0000	0.0	0.0	0.0	0.0
40	16.8	16.8	16.7	16.7	0.0	0.0000	0.0	0.0	0.0	0.0
41	17.5	17.5	17.6	17.2	0.0	0.0000	0.0	0.0	0.0	0.0
42	16.7	16.7	16.7	16.5	0.0	0.0000	0.0	0.0	0.0	0.0
43	17.2	16.4	16.9	17.0	0.0	0.0000	0.0	0.0	0.0	0.0
44	17.9	17.9	18.1	17.9	0.0	0.0000	0.0	0.0	0.0	0.0
45	17.3	17.1	17.2	17.2	0.0	0.0000	0.0	0.0	0.0	0.0
46	16.0	16.0	16.0	15.9	0.0	0.0000	0.0	0.0	0.0	0.0
47	17.3	17.3	17.3	17.2	15.9	4.5000	0.7	0.6	48.9	0.0
48	17.1	17.0	16.9	17.0	0.0	0.0000	0.0	0.0	0.0	0.0
49	17.7	17.8	17.9	17.9	0.0	0.0000	0.0	0.0	0.0	0.0
50	17.6	17.9	17.3	17.8	0.0	0.0000	0.0	0.0	0.0	0.0
51	18.1	18.5	18.5	18.4	0.0	0.0000	0.0	0.0	0.0	0.0
52	18.5	18.7	18.6	18.7	0.0	0.0000	0.0	0.0	0.0	0.0
53	18.5	18.7	18.1	18.5	0.0	0.0000	0.0	0.0	0.0	0.0
54	16.2	17.1	17.1	15.8	0.0	0.0000	0.0	0.0	0.0	0.0
55	19.1	19.0	18.9	18.7	0.0	0.0000	0.0	0.0	0.0	0.0
56	19.3	18.9	18.9	18.9	0.0	0.0000	0.0	0.0	0.0	0.0
57	17.7	17.8	17.5	17.7	0.0	0.0000	0.0	0.0	0.0	0.0
58	18.4	18.6	18.6	18.6	15.5	4.5000	0.7	0.8	48.9	0.0
59	19.5	19.4	19.3	19.3	0.0	0.0000	0.0	0.0	0.0	0.0
60	19.1	19.4	19.1	19.4	0.0	0.0000	0.0	0.0	0.0	0.0
61	19.9	20.0	19.9	19.8	0.0	0.0000	0.0	0.0	0.0	0.0
62	20.3	20.3	20.2	20.2	0.0	0.0000	0.0	0.0	0.0	0.0
63	20.1	20.1	20.2	20.0	0.0	0.0000	0.0	0.0	0.0	0.0
64	18.7	18.6	18.8	18.7	0.0	0.0000	0.0	0.0	0.0	0.0
65	19.1	19.1	19.2	19.1	0.0	0.0000	0.0	0.0	0.0	0.0
66	18.3	18.3	18.6	18.3	0.0	0.0000	0.0	0.0	0.0	0.0
67	18.6	18.7	18.6	18.6	0.0	0.0000	0.0	0.0	0.0	0.0
68	18.4	18.4	18.3	18.4	0.0	0.0000	0.0	0.0	0.0	0.0
69	17.5	17.5	17.4	17.5	0.0	0.0000	0.0	0.0	0.0	0.0
70	19.5	19.5	19.4	19.4	0.0	0.0000	0.0	0.0	0.0	0.0
71	18.5	18.5	18.5	18.6	0.0	0.0000	0.0	0.0	0.0	0.0
72	19.8	19.7	19.6	19.8	0.0	0.0000	0.0	0.0	0.0	0.0
73	20.0	19.8	20.0	19.8	0.0	0.0000	0.0	0.0	0.0	0.0
74	19.5	19.5	19.6	19.5	0.0	0.0000	0.0	0.0	0.0	0.0
75	19.2	19.4	19.1	18.9	16.4	4.5000	0.6	0.9	49.7	0.0
76	19.9	20.0	19.9	20.0	0.0	0.0000	0.0	0.0	0.0	0.0
77	19.5	19.4	19.4	19.3	0.0	0.0000	0.0	0.0	0.0	0.0
78	19.8	19.8	19.8	19.8	0.0	0.0000	0.0	0.0	0.0	0.0



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040
 Operator: ?
 Date: 02/08/01 Time: 05:47:04
 Description:

Serial #: 7143186
 File: TEST_1

Cal Date: 03/20/00
 DOS File: TEST_1

Location: 24N_DONELSON	AmpID:	Reverse Pad: 0.0
Location Type: FiberNode	Power Cfg: IN	Forward Pad:
Area:	Feeder Maker Cfg: 1	Rev Equalizer: 0.0
Test Pnt Type: Fiber Node	Trunk Term: NO	Fwd Equalizer:
Test Pnt Comp: 0.0	Voltage Setting: LOW	Temp: -2.2 C
AC Voltage: 0	DC Voltage (reg): 0.0	DC Voltage (unreg): 0.0

	#1	#2	#3	#4	
Date:	02/08/01	02/08/01	02/08/01	02/08/01	
Time:	05:47:04	11:41:15	17:51:18	23:56:13	
Temp:	-2.2 C	-1.1 C	-0.6 C	-1.7 C	
Channel	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
2	14.2	14.4	14.3	14.3	0.2
3	15.0	15.1	15.1	15.2	0.2
3	15.0	15.1	15.1	15.2	0.2
4	14.7	14.6	14.4	14.5	0.3
5	14.9	14.5	14.8	14.6	0.4
6	14.4	14.2	14.2	14.2	0.2
7	15.2	15.2	15.1	14.9	0.3
8	15.4	14.9	14.8	15.2	0.6
9	15.3	15.5	15.5	15.6	0.3
10	15.2	15.3	15.1	14.9	0.4
11	15.3	15.3	15.3	15.5	0.2
12	15.5	15.1	15.5	15.4	0.4
13	16.2	16.0	16.2	15.8	0.4
14	14.8	14.9	14.9	14.8	0.1
15	14.7	14.8	15.0	15.0	0.3
16	14.7	14.5	14.7	14.1	0.6
17	14.8	14.8	15.1	14.7	0.4
18	14.5	14.8	14.3	14.3	0.5
19	14.4	14.6	14.5	14.2	0.4
20	14.5	14.7	14.8	14.7	0.3
21	14.3	14.7	14.7	14.7	0.4
22	15.3	15.5	15.6	15.4	0.3
23	15.5	15.6	15.5	15.2	0.4
24	15.6	15.3	15.6	15.5	0.3
25	16.2	16.0	15.9	16.6	0.7
26	15.5	15.8	16.0	15.8	0.5
27	15.4	15.5	15.6	15.5	0.2
28	16.6	16.7	16.6	16.2	0.5
29	16.4	16.6	16.2	16.5	0.4
30	16.4	16.3	16.2	16.2	0.2
31	16.6	16.7	16.5	16.7	0.2
32	16.5	16.5	16.4	16.3	0.2
33	15.6	15.9	15.9	16.0	0.4
34	15.8	15.9	15.7	15.8	0.2
35	15.8	15.8	16.0	16.0	0.2
36	16.1	16.1	16.1	16.1	0.0
37	16.1	16.2	16.1	16.1	0.1
38	15.8	15.8	15.7	16.1	0.4
39	16.7	16.7	16.7	16.6	0.1
40	16.8	16.8	16.7	16.7	0.1
41	17.5	17.5	17.6	17.2	0.4
42	16.7	16.7	16.7	16.5	0.2
43	17.2	16.4	16.9	17.0	0.8
44	17.9	17.9	18.1	17.9	0.2
45	17.3	17.1	17.2	17.2	0.2



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040
 Operator: ?
 Date: 02/08/01 Time: 05:47:04
 Description:

Serial #: 7143186
 File: TEST_1

Cal Date: 03/20/00
 DOS File: TEST_1

	#1	#2	#3	#4	
Date:	02/08/01	02/08/01	02/08/01	02/08/01	
Time:	05:47:04	11:41:15	17:51:18	23:56:13	
Temp:	-2.2 C	-1.1 C	-0.6 C	-1.7 C	
Channel	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
46	16.0	16.0	16.0	15.9	0.1
47	17.3	17.3	17.3	17.2	0.1
48	17.1	17.0	16.9	17.0	0.2
49	17.7	17.8	17.9	17.9	0.2
50	17.6	17.9	17.3	17.8	0.6
51	18.1	18.5	18.5	18.4	0.4
52	18.5	18.7	18.6	18.7	0.2
53	18.5	18.7	18.1	18.5	0.6
54	16.2	17.1	17.3	15.8	1.5
55	19.1	19.0	18.9	18.9	0.2
56	19.3	18.9	18.9	18.9	0.4
57	17.7	17.8	17.5	17.7	0.3
58	18.4	18.6	18.6	18.6	0.2
59	19.5	19.4	19.3	19.3	0.2
60	19.1	19.4	19.1	19.4	0.3
61	19.9	20.0	19.9	19.8	0.2
62	20.3	20.3	20.2	20.2	0.1
63	20.1	20.1	20.2	20.0	0.2
64	18.7	18.6	18.8	18.7	0.2
65	19.1	19.1	19.2	19.1	0.1
66	18.3	18.3	18.6	18.3	0.3
67	18.6	18.7	18.6	18.6	0.1
68	18.4	18.4	18.3	18.4	0.1
69	17.5	17.5	17.4	17.5	0.1
70	19.5	19.5	19.4	19.4	0.1
71	18.5	18.5	18.5	18.6	0.1
72	19.8	19.7	19.6	19.8	0.2
73	20.0	19.8	20.0	19.8	0.2
74	19.5	19.5	19.6	19.5	0.1
75	19.2	19.4	19.1	18.9	0.5
76	19.9	20.0	19.9	20.0	0.1
77	19.5	19.4	19.4	19.3	0.2
78	19.8	19.8	19.8	19.8	0.0
95	14.4	14.5	14.5	14.6	0.2
96	15.0	14.9	15.2	15.1	0.3
99	14.1	14.3	14.1	14.4	0.3

LIMIT CHECK	Limit	1	2	3	4	
Min Video Carrier Level	..					Pass
Max Delta Video Level	..					Pass
Min Delta V/A	..					Pass
Max Delta V/A	..					Pass
Max Delta Adjacent Chan	..					Pass
Max 24 Hour Deviation	..					Pass
Min Digital Level	..					Pass
Max Digital Level	..					Pass
Conclusion:						P A S S

Reviewed: _____

Date: _____

	Visual Carrier Lev (dBmV)	Visual Carrier Freq (MHz)	Aural Carrier Lev (dBc)	Aural Frequency Offset (MHz)	2nd Aural Carrier Lev (dBc)	2nd Aural Frequency Offset (MHz)	Average Power (dBmV)
2 61.25	18.8	61.267038	-16.1 *	4.50003			
99-A1 61.25	20.7	61.303486	-16 *	4.500019			
21-H 61.25	17.6	61.278213	-15.9	4.500004			
8 61.25	17.8	61.276403	-16.5 *	4.500002			
23-J 61.25	16.9	61.276466	-15.7	4.50003			
32-S+ 61.25	17.7	61.287404	-15.5	4.500003			
47-KK + 61.25	17.3	61.285301	-15.9	4.500058			
58-VV 61.25	17	61.274177	-15.5	4.500029			
75 61.25	17.8	61.271896	-16.4 *	4.500055			

	Carrier to Noise (dB)	Desired to Undesired (dB)	CSO (dBc)	CTB (dBc)	Cross Modulation (dBc)	Adjacent Channel Lkg. (dBc)	In-Channel Response (dB)
2 61.25	49.2		-69.1	-70.6	-48		.8
99-A1 61.25	52.7		-69.1	-71.9	-48		.8
21-H 61.25	48.6		-68.1	-69.2	-48		.7
8 61.25	48.3		-65.8	-68.7	-48		.8
23-J 61.25	48.3		-68.4	-69.3	-48		.7
32-S+ 61.25	49.4		-54.5	-70.2	-48		.7
47-KK+ 61.25	48.9		-67.4	-69.6	-48		.6
58-VV 61.25	48.9		-54.4	-69.3	-48		.8
75 61.25	49.7		-67.4	-70.2	-48		.9

	HUM/LFD (%)
2 61.25	1
99-A1 61.25	.9
21-H 61.25	1
8 61.25	.9
23-J 61.25	.7
32-S+ 61.25	1.5
47-KK+ 61.25	.7
58-VV 61.25	.7
75 61.25	.6

Test Point Summary

Comcast Communications

ALEXANDRIA JAN 2001

Section 1: Test Point		
System	Alex	Alexandria, VA
Location	TP4	711 Fern St.
Type (Field/Headend)	Field	
Active Channels	79	
Active Bandwidth	550 MHz	
FCC Minimum Channels to Test	9	

Section 2: Test Results		Pass
VSL Min. Level 100' Drop	100.0%	
VSL Six Month Interval	97.5%	
VSL 6 MHz Separation	100.0%	
VSL All Channel Separation	100.0%	
VSL Min. Level Converter	No Data	
Visual/Aural Level Separation	100.0%	
Visual/Aural Freq. Separation	100.0%	
Hum	100.0%	
In-Channel Response	100.0%	
Carrier to Noise	100.0%	
Distortion	100.0%	
Color: Chroma Delay	No Data	
Color: Differential Gain	No Data	
Color: Differential Phase	No Data	
System Total	99.5%	

Section 3: Other Key Items		
VSL: Low Reading	13.1 dB	TP4 Ch 2
VSL: High Reading	17.5 dB	TP4 Ch 25
VSL: Max. 24 Hr Variation	2.3 dB	TP4 Ch 16
ASL: Min. V/A Delta	11.5 dB	TP4 Ch 2
ASL: Max. V/A Delta	16.8 dB	TP4 Ch 8
Carrier to Noise: Worst	48.3 dB	TP4 Ch 2
Carrier to Noise: Average	49.0 dB	
Distortion: Average	65.7 dB	

Section 4: Comments
>
>
>
>

Pass/Fail Analysis

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 711 Fern St.

Test	Result	Followup/Comments
Visual Signal Level:		
Minimum Level 100' Drop	Passed	
6 Month Interval		
Ch: 5 Test 1 15/5.6 dB	Failed	<i>(12/8/2000 HAO C/N + Level Issue) At this node, which after completing task levels increased on low r mband this effected this test. TASK completed 12/8/2000 1300pm [Signature]</i>
Ch: 5 Test 3 14.8/6.6 dB	Failed	
Ch: 5 Test 4 15.2/6.6 dB	Failed	
Ch: 25 Test 1 17.4/8.8 dB	Failed	
Ch: 25 Test 2 17.5/9.3 dB	Failed	
Ch: 25 Test 3 17.4/9.1 dB	Failed	
Ch: 25 Test 4 17.4/9.2 dB	Failed	
6 MHz Separation	Passed	
All Channel Separation	Passed	
VSL Min. Level at Converter	No Data	
Aural Signal Level	Passed	
Aural Center Frequency	Passed	
Hum	Passed	
In-Channel Response	Passed	
Carrier to Noise	Passed	
Distortion	Passed	
Color	No Data	

Pass/Fail Summary

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 711 Fern St.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	V S L												Color			Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D		
	R	M	H	L	O	S	C	U	C	/	I	L	F	F		
2	P	P	P	L	-	P	P	P	P	P	P	-	-	-		
3	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
4	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
5	P	X	P	P	-	S	-	-	-	-	-	-	-	-		
6	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
95	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
96	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
99	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
14	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
15	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
16	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
17	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
18	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
19	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
20	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
21	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
22	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
7	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
8	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
9	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
10	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
11	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
12	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
13	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
23	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
24	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
25	P	X	P	H	-	S	-	-	-	-	-	-	-	-		
26	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
27	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
28	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
29	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
30	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
31	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
32	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
33	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
34	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
35	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
36	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
37	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
38	P	P	P	P	-	S	-	-	-	-	-	-	-	-		

Pass/Fail Summary

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 711 Fern St.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL											Color			Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D	
	R	M	H	L	O	S	C	U	C	/	I	L	F	F	
39	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
40	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
41	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
42	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
43	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
44	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
45	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
46	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
47	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
48	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
49	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
50	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
51	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
52	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
53	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
54	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
55	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
56	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
57	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
58	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
59	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
60	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
61	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
62	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
63	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
64	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
65	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
66	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
67	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
68	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
69	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
70	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
71	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
72	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
73	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
74	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
75	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
76	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
77	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
78	P	P	P	P	-	S	-	-	-	-	-	-	-	-	

Proof of Performance Public Record

Comcast Communications

ALEXANDRIA JAN 2001: 711 Fern St.

Channel	Visual Signal Level				Aural Signal Level			In		
	24 Hour Test				V/A Level	AV Freq		Channel		
	#1	#2	#3	#4	Delta	Delta	Hum	Resp.	C/N	Distortion
Date	Feb 7				Feb 2	Feb 2	Feb 2	Feb 2	Feb 2	Feb 2
TIME	6	12	17	24	-	-	-	-	-	-
TEMP	28.0	33.0	29.0	28.0	-	-	-	-	-	-
2	13.2	13.6	13.2	13.1	11.5	4.5000	1.7	0.9	48.3	0.0
3	14.0	14.0	14.4	14.5	0.0	0.0000	0.0	0.0	0.0	0.0
4	14.3	14.1	14.3	14.6	0.0	0.0000	0.0	0.0	0.0	0.0
5	15.0	14.6	14.8	15.2	0.0	0.0000	0.0	0.0	0.0	0.0
6	14.6	14.7	14.5	15.0	0.0	0.0000	0.0	0.0	0.0	0.0
95	15.2	15.2	15.2	15.2	0.0	0.0000	0.0	0.0	0.0	0.0
96	15.5	15.8	15.5	16.0	0.0	0.0000	0.0	0.0	0.0	0.0
99	15.1	15.2	15.2	15.1	15.9	4.5000	1.1	0.6	48.3	0.0
14	15.8	15.9	16.0	15.9	0.0	0.0000	0.0	0.0	0.0	0.0
15	16.3	16.3	16.1	16.0	0.0	0.0000	0.0	0.0	0.0	0.0
16	16.0	15.1	15.3	13.7	0.0	0.0000	0.0	0.0	0.0	0.0
17	15.9	15.7	15.8	15.7	0.0	0.0000	0.0	0.0	0.0	0.0
18	15.3	15.9	15.8	15.9	0.0	0.0000	0.0	0.0	0.0	0.0
19	15.9	15.8	15.7	15.7	0.0	0.0000	0.0	0.0	0.0	0.0
20	16.1	15.8	15.9	15.9	0.0	0.0000	0.0	0.0	0.0	0.0
21	16.2	15.6	15.9	15.8	16.7	4.5000	1.9	0.9	49.5	0.0
22	16.4	16.4	16.5	16.4	0.0	0.0000	0.0	0.0	0.0	0.0
7	15.9	15.9	15.9	15.6	0.0	0.0000	0.0	0.0	0.0	0.0
8	16.0	16.1	16.2	16.2	16.8	4.5000	1.0	0.8	48.3	0.0
9	16.8	16.7	16.7	16.6	0.0	0.0000	0.0	0.0	0.0	0.0
10	15.8	16.3	16.0	16.3	0.0	0.0000	0.0	0.0	0.0	0.0
11	16.4	16.4	16.5	16.4	0.0	0.0000	0.0	0.0	0.0	0.0
12	16.3	16.3	16.4	16.3	0.0	0.0000	0.0	0.0	0.0	0.0
13	17.0	17.2	17.1	16.9	0.0	0.0000	0.0	0.0	0.0	0.0
23	16.7	16.1	16.6	16.7	16.0	4.5000	0.8	0.7	50.1	0.0
24	16.4	16.8	16.6	16.5	0.0	0.0000	0.0	0.0	0.0	0.0
25	17.4	17.5	17.4	17.4	0.0	0.0000	0.0	0.0	0.0	0.0
26	16.8	16.5	16.7	17.0	0.0	0.0000	0.0	0.0	0.0	0.0
27	14.9	14.7	15.2	15.0	0.0	0.0000	0.0	0.0	0.0	0.0
28	17.5	17.4	17.3	17.1	0.0	0.0000	0.0	0.0	0.0	0.0
29	16.8	17.0	17.1	16.9	0.0	0.0000	0.0	0.0	0.0	0.0
30	17.1	17.2	17.0	17.1	0.0	0.0000	0.0	0.0	0.0	0.0
31	17.0	17.0	17.0	16.9	0.0	0.0000	0.0	0.0	0.0	0.0
32	16.6	16.7	16.8	16.7	15.1	4.5000	0.9	0.9	48.3	0.0
33	16.4	16.3	16.3	16.4	0.0	0.0000	0.0	0.0	0.0	0.0
34	16.6	16.8	16.8	16.8	0.0	0.0000	0.0	0.0	0.0	0.0
35	16.6	16.5	16.8	16.7	0.0	0.0000	0.0	0.0	0.0	0.0
36	16.8	16.9	16.8	16.9	0.0	0.0000	0.0	0.0	0.0	0.0
37	16.7	16.5	16.7	16.7	0.0	0.0000	0.0	0.0	0.0	0.0

	Visual Carrier Lev (dBmV)	Visual Carrier Freq (MHz)	Aural Carrier Lev (dBc)	Aural Frequency Offset (MHz)	2nd Aural Carrier Lev (dBc)	2nd Aural Frequency Offset (MHz)	Average Power (dBmV)
2 61.25	19.6	61.282416	-11.5	4.500022			
99-A1 61.25	23.8	61.305115	-15.9	4.500016			
21-H 61.25	20.6	61.280923	-16.7 *	4.500017			
8 61.25	21.1	61.278796	-16.8 *	4.500025			
23-J 61.25	21.1	61.278377	-16 *	4.500014			
32-S+ 61.25	21	61.288374	-15.1	4.500015			
47-KK+ 61.25	20.9	61.285673	-15.7	4.500034			
58-VV 61.25	20.2	61.274031	-15.9	4.500027			
75 61.25	19	61.27116	-15.8	4.500025			

	Carrier to Noise (dB)	Desired to Undesired (dB)	CSO (dBc)	CTB (dBc)	Cross Modulation (dBc)	Adjacent Channel Lkg. (dBc)	In-Channel Response (dB)
2 61.25	48.3		-69.1	-68.5	-48		.9
99-A1 61.25	48.3		-67.5	-66.7	-48		.6
21-H 61.25	49.5		-70.5	-70.3	-48		.9
8 61.25	48.3		-64.8	-66.5	-48		.8
23-J 61.25	50.1		-51.9	-66.8	-48		.7
32-S+ 61.25	48.3		-53.7	-66.8	-48		.9
47-KK+ 61.25	49.8		-68.4	-65.2	-48		1
58-VV 61.25	49.1		-66.6	-65.8	-48		.9
75 61.25	49.7		-67.7	-64.9	-48		.6

Worksheet fern.wrk
Site: TP6 1711 FERN ST
Channel Table: stdofpc.cht
No View Filter is On

	HUM/LFD (%)
2 61.25	1.7
99-A1 61.25	1.1
21-H 61.25	1.9
8 61.25	1
23-J 61.25	.8
32-S+ 61.25	.9
47-KK+ 61.25	.7
58-VV 61.25	1.6
75 61.25	1.2

Test Point Summary

Comcast Communications

ALEXANDRIA JAN 2001

Section 1: Test Point		
System	Alex	Alexandria, VA
Location	TP5	103 Alison Street
Type (Field/Headend)	Field	
Active Channels	79	
Active Bandwidth	550 MHz	
FCC Minimum Channels to Test	9	

Section 2: Test Results		Pass
VSL Min. Level 100' Drop	100.0%	
VSL Six Month Interval	100.0%	
VSL 6 MHz Separation	100.0%	
VSL All Channel Separation	100.0%	
VSL Min. Level Converter	No Data	
Visual/Aural Level Separation	100.0%	
Visual/Aural Freq. Separation	100.0%	
Hum	100.0%	
In-Channel Response	100.0%	
Carrier to Noise	100.0%	
Distortion	100.0%	
Color: Chroma Delay	No Data	
Color: Differential Gain	No Data	
Color: Differential Phase	No Data	
System Total	100.0%	

Section 3: Other Key Items		
VSL: Low Reading	12.7 dB	TP5 Ch 16
VSL: High Reading	20.3 dB	TP5 Ch 62
VSL: Max. 24 Hr Variation	1.9 dB	TP5 Ch 16
ASL: Min. V/A Delta	10.9 dB	TP5 Ch 2
ASL: Max. V/A Delta	16.5 dB	TP5 Ch 21
Carrier to Noise: Worst	49.2 dB	TP5 Ch 8
Carrier to Noise: Average	50.5 dB	
Distortion: Average	64.4 dB	

Section 4: Comments	
>	
>	
>	
>	

Pass/Fail Analysis

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 103 Alison Street

Test	Result	Followup/Comments
Visual Signal Level:		
Minimum Level 100' Drop	Passed	
6 Month Interval	Passed	
6 MHz Separation	Passed	
All Channel Separation	Passed	
VSL Min. Level at Converter	No Data	
Aural Signal Level	Passed	
Aural Center Frequency	Passed	
Hum	Passed	
In-Channel Response	Passed	
Carrier to Noise	Passed	
Distortion	Passed	
Color	No Data	

Pass/Fail Summary

Comcast Communications

Alexandria, VA

ALEXANDRIA JAN 2001: 103 Alison Street

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL											Color			Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D	
	R	M	H	L	O	S	C	U	C	/	I	L	F	F	
2	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
3	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
4	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
5	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
6	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
95	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
96	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
99	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
14	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
15	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
16	P	P	P	L	-	S	-	-	-	-	-	-	-	-	
17	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
18	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
19	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
20	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
21	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
22	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
7	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
8	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
9	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
10	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
11	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
12	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
13	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
23	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
24	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
25	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
26	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
27	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
28	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
29	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
30	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
31	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
32	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
33	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
34	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
35	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
36	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
37	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
38	P	P	P	P	-	S	-	-	-	-	-	-	-	-	

Pass/Fail Summary

Comcast Communications

Alexandria, VA

ALEXANDRIA JAN 2001: 103 Alison Street

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL											Color				Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D		
	R	M	H	L	O	S	C	U	C	/	I	L	F	F		
39	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
40	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
41	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
42	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
43	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
44	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
45	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
46	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
47	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
48	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
49	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
50	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
51	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
52	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
53	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
54	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
55	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
56	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
57	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
58	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
59	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
60	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
61	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
62	P	P	P	H	-	S	-	-	-	-	-	-	-	-		
63	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
64	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
65	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
66	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
67	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
68	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
69	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
70	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
71	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
72	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
73	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
74	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
75	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
76	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
77	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
78	P	P	P	P	-	S	-	-	-	-	-	-	-	-		

Proof of Performance Public Record

Comcast Communications

ALEXANDRIA JAN 2001: 103 Alison Street

Channel	Visual Signal Level				Aural Signal Level			In		
	24 Hour Test				V/A Level	A/V Freq	Channel			
	#1	#2	#3	#4	Delta	Delta	Hum	Resp.	C/N	Distortion
Date	Feb 7				Feb 26	Feb 26	Feb 26	Feb 26	Feb 26	Feb 26
TIME	5	11	17	23	-	-	-	-	-	-
TEMP	28.0	32.0	30.0	29.0	-	-	-	-	-	-
2	14.3	14.5	14.3	14.3	10.9	4.5000	1.8	0.8	50.8	0.0
3	15.1	15.2	15.1	14.9	0.0	0.0000	0.0	0.0	0.0	0.0
4	14.6	14.7	14.4	14.4	0.0	0.0000	0.0	0.0	0.0	0.0
5	14.6	14.5	14.3	14.5	0.0	0.0000	0.0	0.0	0.0	0.0
6	14.2	14.3	14.4	14.4	0.0	0.0000	0.0	0.0	0.0	0.0
95	14.5	14.6	14.7	14.5	0.0	0.0000	0.0	0.0	0.0	0.0
96	14.8	14.5	14.9	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
99	14.2	14.4	14.2	14.4	15.4	4.4999	1.6	0.7	53.1	0.0
14	14.9	15.1	15.1	15.0	0.0	0.0000	0.0	0.0	0.0	0.0
15	14.8	14.8	14.9	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
16	14.1	14.6	12.8	12.7	0.0	0.0000	0.0	0.0	0.0	0.0
17	14.7	14.8	15.1	14.9	0.0	0.0000	0.0	0.0	0.0	0.0
18	14.4	14.3	14.4	14.5	0.0	0.0000	0.0	0.0	0.0	0.0
19	14.4	14.5	14.4	14.4	0.0	0.0000	0.0	0.0	0.0	0.0
20	14.6	14.9	14.6	14.2	0.0	0.0000	0.0	0.0	0.0	0.0
21	14.7	14.5	14.8	14.3	16.5	4.5000	1.5	0.8	50.6	0.0
22	15.1	15.3	15.5	15.4	0.0	0.0000	0.0	0.0	0.0	0.0
7	15.2	15.1	14.9	15.1	0.0	0.0000	0.0	0.0	0.0	0.0
8	15.3	15.3	15.2	15.3	16.0	4.4985	0.9	0.7	49.2	0.0
9	15.6	15.7	15.6	15.6	0.0	0.0000	0.0	0.0	0.0	0.0
10	15.1	15.3	15.4	15.4	0.0	0.0000	0.0	0.0	0.0	0.0
11	15.4	15.5	15.5	15.4	0.0	0.0000	0.0	0.0	0.0	0.0
12	15.4	15.3	15.3	15.5	0.0	0.0000	0.0	0.0	0.0	0.0
13	16.0	16.4	16.2	16.4	0.0	0.0000	0.0	0.0	0.0	0.0
23	15.6	15.4	15.3	15.2	16.1	4.4999	1.1	0.6	49.3	0.0
24	15.3	15.3	15.4	15.3	0.0	0.0000	0.0	0.0	0.0	0.0
25	16.5	16.1	16.2	16.1	0.0	0.0000	0.0	0.0	0.0	0.0
26	15.8	16.0	15.8	15.8	0.0	0.0000	0.0	0.0	0.0	0.0
27	15.5	15.6	15.5	15.4	0.0	0.0000	0.0	0.0	0.0	0.0
28	16.9	16.8	16.9	16.7	0.0	0.0000	0.0	0.0	0.0	0.0
29	16.5	16.5	16.3	16.5	0.0	0.0000	0.0	0.0	0.0	0.0
30	16.3	16.2	16.4	16.2	0.0	0.0000	0.0	0.0	0.0	0.0
31	16.8	16.7	16.8	16.7	0.0	0.0000	0.0	0.0	0.0	0.0
32	16.3	16.2	16.3	16.3	16.2	4.4999	0.8	0.8	50.8	0.0
33	16.0	16.0	15.8	16.2	0.0	0.0000	0.0	0.0	0.0	0.0
34	15.9	16.1	16.0	16.0	0.0	0.0000	0.0	0.0	0.0	0.0
35	16.2	16.0	16.0	16.0	0.0	0.0000	0.0	0.0	0.0	0.0
36	16.0	16.1	16.2	16.1	0.0	0.0000	0.0	0.0	0.0	0.0
37	16.2	16.0	16.1	15.8	0.0	0.0000	0.0	0.0	0.0	0.0

Proof of Performance Public Record

Comcast Communications

ALEXANDRIA JAN 2001: 103 Alison Street

Channel	Visual Signal Level				Aural Signal Level			In		C/N	Distortion
	24 Hour Test				V/A Level	A/V Freq	Hum	Channel			
	#1	#2	#3	#4	Delta	Delta		Resp.			
38	15.8	15.8	15.7	15.8	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
39	16.6	16.4	16.4	16.5	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
40	16.9	16.8	16.9	17.0	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
41	17.4	17.4	17.7	17.4	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
42	16.6	16.7	16.9	16.6	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
43	17.1	16.8	17.0	17.0	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
44	17.7	17.8	17.9	17.6	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
45	17.4	17.4	17.3	17.1	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
46	15.8	15.9	15.8	16.1	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
47	17.0	17.2	17.5	17.4	15.8	4.5000	1.6	0.6	50.1	0.0	0.0
48	17.2	17.0	17.3	17.1	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
49	17.7	17.7	17.7	17.7	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
50	17.4	17.5	17.5	17.5	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
51	18.7	18.6	18.6	18.6	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
52	18.4	18.5	18.5	18.2	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
53	18.6	18.8	18.7	18.4	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
54	17.0	16.3	17.5	17.0	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
55	18.9	19.0	19.0	19.0	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
56	18.9	18.9	18.8	19.0	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
57	17.6	18.2	18.0	17.9	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
58	18.5	18.5	18.8	18.6	15.6	4.5000	1.1	0.9	50.4	0.0	0.0
59	19.1	19.4	19.6	19.3	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
60	19.3	19.4	19.5	19.7	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
61	19.8	19.6	19.8	19.8	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
62	20.2	20.3	20.2	20.1	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
63	20.2	20.2	20.2	20.1	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
64	18.8	18.7	18.7	18.7	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
65	19.2	19.3	19.4	19.2	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
66	18.4	18.3	18.6	17.9	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
67	18.6	18.5	18.6	18.6	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
68	18.5	18.5	18.5	18.5	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
69	17.4	17.4	17.5	17.4	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
70	19.4	19.5	19.4	19.5	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
71	18.7	18.7	18.5	18.5	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
72	19.7	19.6	19.6	19.6	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
73	19.7	19.8	20.0	20.0	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
74	19.8	19.6	19.7	19.4	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
75	19.0	18.9	19.5	19.3	15.9	4.5000	0.6	0.8	50.0	0.0	0.0
76	20.0	20.0	20.1	20.0	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
77	19.4	19.5	19.4	19.4	0.0	0.0000	0.0	0.0	0.0	0.0	0.0
78	19.9	19.8	19.7	19.9	0.0	0.0000	0.0	0.0	0.0	0.0	0.0



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040
 Operator: ?
 Date: 02/09/01 Time: 05:31:20
 Description:

Serial #: 7143186
 File: TEST01

Cal Date: 03/20/00
 DOS File: TEST01

Location: 103_ALLISON_ST
 Location Type: FiberNode
 Area:
 Test Pnt Type: Fiber Node
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad:
 Rev Equalizer: 0.0
 Fwd Equalizer:
 Temp: -2.2 C
 DC Voltage (unreg): 0.0

	#1	#2	#3	#4	
Date:	02/09/01	02/09/01	02/09/01	02/09/01	
Time:	05:31:20	11:36:16	17:41:14	23:38:35	
Temp:	-2.2 C	-1.7 C	0.0 C	27.2 C	
Channel	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
2	14.3	14.5	14.3	14.3	0.2
3	15.1	15.2	15.1	14.9	0.3
3	15.1	15.2	15.1	14.9	0.3
4	14.6	14.7	14.4	14.4	0.3
5	14.6	14.5	14.3	14.5	0.3
6	14.2	14.3	14.4	14.4	0.2
7	15.2	15.1	14.9	15.1	0.3
8	15.3	15.3	15.2	15.3	0.1
9	15.6	15.7	15.6	15.6	0.1
10	15.1	15.2	15.4	15.4	0.3
11	15.4	15.5	15.5	15.4	0.1
12	15.4	15.3	15.3	15.5	0.2
13	16.0	16.4	16.2	16.4	0.4
14	14.9	15.1	15.1	15.0	0.2
15	14.8	14.8	14.9	14.8	0.1
16	14.1	14.6	12.8	12.7	1.9
17	14.7	14.8	15.1	14.9	0.4
18	14.4	14.3	14.4	14.5	0.2
19	14.4	14.5	14.4	14.4	0.1
20	14.6	14.9	14.6	14.2	0.7
21	14.7	14.5	14.8	14.3	0.5
22	15.1	15.3	15.5	15.4	0.4
23	15.6	15.4	15.3	15.2	0.4
24	15.3	15.3	15.4	15.3	0.1
25	16.5	16.1	16.2	16.1	0.4
26	15.8	16.0	15.8	15.8	0.2
27	15.5	15.6	15.5	15.4	0.2
28	16.9	16.8	16.9	16.7	0.2
29	16.5	16.5	16.3	16.5	0.2
30	16.3	16.2	16.4	16.2	0.2
31	16.8	16.7	16.8	16.7	0.1
32	16.3	16.2	16.3	16.3	0.1
33	16.0	16.0	15.8	16.2	0.4
34	15.9	16.1	16.0	16.0	0.2
35	16.2	16.0	16.0	16.0	0.2
36	16.0	16.1	16.2	16.1	0.2
37	16.2	16.0	16.1	15.8	0.4
38	15.8	15.8	15.7	15.8	0.1
39	16.6	16.4	16.4	16.5	0.2
40	16.9	16.8	16.9	17.0	0.2
41	17.4	17.4	17.7	17.4	0.3
42	16.6	16.7	16.9	16.6	0.3
43	17.1	16.8	17.0	17.0	0.3
44	17.7	17.8	17.9	17.6	0.3
45	17.4	17.4	17.3	17.1	0.3



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040
 Operator: ?
 Date: 02/09/01 Time: 05:31:20
 Description:

Serial #: 7143186
 File: TEST01

Cal Date: 03/20/00
 DOS File: TEST01

Date:	#1	#2	#3	#4	
Time:	02/09/01	02/09/01	02/09/01	02/09/01	
Temp:	05:31:20	11:36:16	17:41:14	23:38:35	
Channel	-2.2 C	-1.7 C	0.0 C	27.2 C	
	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
46	15.8	15.9	15.8	16.1	0.3
47	17.0	17.2	17.5	17.4	0.5
48	17.2	17.0	17.3	17.1	0.3
49	17.7	17.7	17.7	17.7	0.0
50	17.4	17.5	17.5	17.5	0.1
51	18.7	18.6	18.6	18.6	0.1
52	18.4	18.5	18.5	18.2	0.3
53	18.6	18.8	18.7	18.4	0.4
54	17.0	16.3	17.5	17.0	1.2
55	18.9	19.0	19.0	19.0	0.1
56	18.9	18.9	18.8	19.0	0.2
57	17.6	18.2	18.0	17.9	0.6
58	18.5	18.5	18.8	18.6	0.3
59	19.1	19.4	19.6	19.3	0.5
60	19.3	19.4	19.5	19.7	0.4
61	19.8	19.6	19.8	19.8	0.2
62	20.2	20.3	20.2	20.1	0.2
63	20.2	20.2	20.2	20.1	0.1
64	18.8	18.7	18.7	18.7	0.1
65	19.2	19.3	19.4	19.2	0.2
66	18.4	18.3	18.6	17.9	0.7
67	18.6	18.5	18.6	18.6	0.1
68	18.5	18.5	18.5	18.5	0.0
69	17.4	17.4	17.5	17.4	0.1
70	19.4	19.5	19.4	19.5	0.1
71	18.7	18.7	18.5	18.5	0.2
72	19.7	19.6	19.6	19.6	0.1
73	19.7	19.8	20.0	20.0	0.3
74	19.8	19.6	19.7	19.4	0.4
75	19.0	18.9	19.5	19.3	0.6
76	20.0	20.0	20.1	20.0	0.1
77	19.4	19.5	19.4	19.4	0.1
78	19.9	19.8	19.7	19.9	0.2
95	14.5	14.6	14.7	14.5	0.2
96	14.8	14.5	14.9	14.8	0.4
99	14.2	14.4	14.2	14.4	0.2

LIMIT CHECK	Limit	1	2	3	4	
Min Video Carrier Level	..					Pass
Max Delta Video Level	..					Pass
Min Delta V/A	..					Pass
Max Delta V/A	..					Pass
Max Delta Adjacent Chan	..					Pass
Max 24 Hour Deviation	..					Pass
Min Digital Level	..					Pass
Max Digital Level	..					Pass
Conclusion:						PASS

Reviewed: _____

Date: _____

	Visual Carrier Lev (dBmV)	Visual Carrier Freq (MHz)	Aural Carrier Lev (dBc)	Aural Frequency Offset (MHz)	2nd Aural Carrier Lev (dBc)	2nd Aural Frequency Offset (MHz)	Average Power (dBmV)
2 61.25	22.4	61.283794	-10.9	4.500006			
99-A1 61.25	26.1	61.30661	-15.4	4.499982			
21-H 61.25	23.6	61.281217	-16.5 *	4.500007			
8 61.25	23.2	61.28121	-16 *	4.498592			
23-J 61.25	22.9	61.278907	-16.1 *	4.499999			
32-S+ 61.25	23	61.278914	-16.2 *	4.499999			
47-KK+ 61.25	22.6	61.286464	-15.8	4.500027			
58-VV 61.25	22.7	61.274644	-15.6	4.500017			
75 61.25	21	61.27171	-15.9	4.500059			

	Carrier to Noise (dB)	Desired to Undesired (dB)	CSO (dBc)	CTB (dBc)	Cross Modulation (dBc)	Adjacent Channel Lkg. (dBc)	In-Channel Response (dB)
2 61.25	50.8		-68.1	-67.4	-48		.8
99-A1 61.25	53.1		-68.1	-69.2	-48		.7
21-H 61.25	50.6		-67.8	-65.8	-48		.8
8 61.25	49.2		-64.6	-65.4	-48		.7
23-J 61.25	49.3		-64.2	-63.9	-48		.6
32-S+ 61.25	50.8		-52.9	-66.8	-48		.8
47-KK+ 61.25	50.1		-67.6	-63.6	-48		.6
58-VV 61.25	50.4		-52.6	-64.3	-48		.9
75 61.25	50		-62.3	-65.2	-48		.8

	HUM/LFD (%)
2 61.25	1.8
99-A1 61.25	1.6
21-H 61.25	1.5
8 61.25	.9
23-J 61.25	1.1
32-S+ 61.25	.8
47-KK+ 61.25	1.6
58-VV 61.25	1.1
75 61.25	.6

Test Point Summary

Comcast Communications

ALEXANDRIA JAN 2001

Section 1: Test Point		
System	Alex	Alexandria, VA
Location	TP6	07 Kemper St.
Type (Field/Headend)	Field	
Active Channels	79	
Active Bandwidth	550 MHz	
FCC Minimum Channels to Test	9	

Section 2: Test Results	Pass	
VSL Min. Level 100' Drop	100.0%	
VSL Six Month Interval	100.0%	
VSL 6 MHz Separation	100.0%	
VSL All Channel Separation	100.0%	
VSL Min. Level Converter	No Data	
Visual/Aural Level Separation	100.0%	
Visual/Aural Freq. Separation	100.0%	
Hum	100.0%	
In-Channel Response	100.0%	
Carrier to Noise	100.0%	
Distortion	100.0%	
Color: Chroma Delay	No Data	
Color: Differential Gain	No Data	
Color: Differential Phase	No Data	
System Total	100.0%	

Section 3: Other Key Items		
VSL: Low Reading	17.6 dB	TP6 Ch 99
VSL: High Reading	24.8 dB	TP6 Ch 63
VSL: Max. 24 Hr Variation	2.1 dB	TP6 Ch 16
ASL: Min. V/A Delta	11.0 dB	TP6 Ch 2
ASL: Max. V/A Delta	16.7 dB	TP6 Ch 8
Carrier to Noise: Worst	48.2 dB	TP6 Ch 23
Carrier to Noise: Average	50.2 dB	
Distortion: Average	64.9 dB	

Section 4: Comments	
>	
>	
>	
>	

Pass/Fail Analysis

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 07 Kemper St.

Test	Result	Followup/Comments
Visual Signal Level:		
Minimum Level 100' Drop	Passed	
6 Month Interval	Passed	
6 MHz Separation	Passed	
All Channel Separation	Passed	
VSL Min. Level at Converter	No Data	
Aural Signal Level	Passed	
Aural Center Frequency	Passed	
Hum	Passed	
In-Channel Response	Passed	
Carrier to Noise	Passed	
Distortion	Passed	
Color	No Data	

Pass/Fail Summary

Comcast Communications

Alexandria, VA

ALEXANDRIA JAN 2001: 07 Kemper St.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL											Color			Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D	
	R	M	H	L	O	S	C	U	C	/	I	L	F	F	
2	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
3	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
4	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
5	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
6	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
95	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
96	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
99	P	P	P	L	-	P	P	P	P	P	P	-	-	-	
14	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
15	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
16	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
17	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
18	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
19	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
20	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
21	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
22	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
7	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
8	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
9	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
10	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
11	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
12	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
13	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
23	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
24	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
25	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
26	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
27	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
28	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
29	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
30	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
31	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
32	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
33	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
34	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
35	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
36	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
37	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
38	P	P	P	P	-	S	-	-	-	-	-	-	-	-	

Pass/Fail Summary

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 07 Kemper St.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL												Color			Comments		
	D	6	M	A	C	A	A	H	I	C	D	C	D	D				
	R	M	H	L	O	S	C	U	C	/	I	L	F	F				
39	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
40	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
41	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
42	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
43	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
44	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
45	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
46	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
47	P	P	P	P	-	P	P	P	P	P	P	-	-	-	-	-	-	-
48	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
49	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
50	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
51	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
52	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
53	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
54	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
55	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
56	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
57	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
58	P	P	P	P	-	P	P	P	P	P	P	-	-	-	-	-	-	-
59	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
60	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
61	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
62	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
63	P	P	P	H	-	S	-	-	-	-	-	-	-	-	-	-	-	-
64	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
65	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
66	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
67	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
68	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
69	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
70	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
71	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
72	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
73	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
74	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
75	P	P	P	P	-	P	P	P	P	P	P	-	-	-	-	-	-	-
76	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
77	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-
78	P	P	P	P	-	S	-	-	-	-	-	-	-	-	-	-	-	-

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Proof of Performance Public Record

Comcast Communications

ALEXANDRIA JAN 2001: 07 Kemper St.

Channel	Visual Signal Level				Aural Signal Level			In		
	24 Hour Test				V/A Level	A/V Freq		Channel		
	#1	#2	#3	#4	Delta	Delta	Hum	Resp.	C/N	Distortion
Date	Feb 7				Feb 7	Feb 7	Feb 7	Feb 7	Feb 7	Feb 7
TIME	0	12	18	0	-	-	-	-	-	-
TEMP	29.0	33.0	28.0	27.0	-	-	-	-	-	-
2	19.2	19.1	19.2	18.9	11.0	4.4999	1.1	0.8	50.9	0.0
3	18.9	19.1	19.0	19.0	0.0	0.0000	0.0	0.0	0.0	0.0
4	20.3	20.1	20.2	20.2	0.0	0.0000	0.0	0.0	0.0	0.0
5	18.1	18.1	18.2	18.2	0.0	0.0000	0.0	0.0	0.0	0.0
6	18.0	17.9	18.0	18.2	0.0	0.0000	0.0	0.0	0.0	0.0
95	18.3	18.2	18.4	18.4	0.0	0.0000	0.0	0.0	0.0	0.0
96	18.8	18.9	18.9	18.9	0.0	0.0000	0.0	0.0	0.0	0.0
99	17.6	17.7	17.8	17.6	15.8	4.5000	1.2	0.8	54.5	0.0
14	19.5	19.3	19.3	19.5	0.0	0.0000	0.0	0.0	0.0	0.0
15	18.5	18.5	18.6	18.6	0.0	0.0000	0.0	0.0	0.0	0.0
16	17.9	18.2	19.5	20.0	0.0	0.0000	0.0	0.0	0.0	0.0
17	18.2	18.5	18.5	18.4	0.0	0.0000	0.0	0.0	0.0	0.0
18	18.1	18.0	18.1	18.1	0.0	0.0000	0.0	0.0	0.0	0.0
19	18.6	18.1	18.4	18.4	0.0	0.0000	0.0	0.0	0.0	0.0
20	17.9	18.0	18.0	18.0	0.0	0.0000	0.0	0.0	0.0	0.0
21	19.3	19.3	19.5	19.4	16.2	4.5000	1.3	0.7	49.5	0.0
22	18.8	18.7	19.1	19.1	0.0	0.0000	0.0	0.0	0.0	0.0
7	19.1	19.1	18.9	19.2	0.0	0.0000	0.0	0.0	0.0	0.0
8	20.2	20.5	20.5	20.2	16.7	4.5000	0.8	0.9	48.9	0.0
9	20.6	20.7	20.5	20.4	0.0	0.0000	0.0	0.0	0.0	0.0
10	20.1	20.1	20.1	20.0	0.0	0.0000	0.0	0.0	0.0	0.0
11	20.1	20.2	20.1	20.3	0.0	0.0000	0.0	0.0	0.0	0.0
12	19.9	19.6	19.6	19.5	0.0	0.0000	0.0	0.0	0.0	0.0
13	20.5	20.5	20.8	20.7	0.0	0.0000	0.0	0.0	0.0	0.0
23	19.8	19.8	19.9	19.8	15.8	4.4999	1.0	0.7	48.2	0.0
24	20.4	20.4	20.4	20.7	0.0	0.0000	0.0	0.0	0.0	0.0
25	20.4	20.4	20.3	20.5	0.0	0.0000	0.0	0.0	0.0	0.0
26	20.1	20.1	20.2	20.4	0.0	0.0000	0.0	0.0	0.0	0.0
27	20.8	20.8	20.7	20.7	0.0	0.0000	0.0	0.0	0.0	0.0
28	20.9	20.9	21.0	20.9	0.0	0.0000	0.0	0.0	0.0	0.0
29	20.2	20.1	20.1	20.4	0.0	0.0000	0.0	0.0	0.0	0.0
30	19.3	19.1	19.3	19.4	0.0	0.0000	0.0	0.0	0.0	0.0
31	20.3	20.1	20.1	20.2	0.0	0.0000	0.0	0.0	0.0	0.0
32	20.7	20.5	20.7	20.7	15.3	4.4999	0.7	0.7	49.6	0.0
33	19.3	19.1	19.4	19.4	0.0	0.0000	0.0	0.0	0.0	0.0
34	20.2	20.1	20.1	20.1	0.0	0.0000	0.0	0.0	0.0	0.0
35	20.7	20.6	20.8	20.9	0.0	0.0000	0.0	0.0	0.0	0.0
36	21.4	21.5	21.5	21.5	0.0	0.0000	0.0	0.0	0.0	0.0
37	21.4	19.5	19.4	19.5	0.0	0.0000	0.0	0.0	0.0	0.0

Proof of Performance Public Record

Comcast Communications

ALEXANDRIA JAN 2001: 07 Kemper St.

Channel	Visual Signal Level				Aural Signal Level			In Channel	C/N	Distortion
	24 Hour Test				V/A Level	A/V Freq	Hum			
	#1	#2	#3	#4	Delta	Delta	Hum	Resp.	C/N	Distortion
38	19.2	19.2	19.2	19.2	0.0	0.0000	0.0	0.0	0.0	0.0
39	19.9	20.0	20.0	20.0	0.0	0.0000	0.0	0.0	0.0	0.0
40	19.9	19.7	19.7	19.9	0.0	0.0000	0.0	0.0	0.0	0.0
41	21.4	21.3	21.3	21.4	0.0	0.0000	0.0	0.0	0.0	0.0
42	21.8	21.5	21.5	21.8	0.0	0.0000	0.0	0.0	0.0	0.0
43	21.2	21.3	21.2	21.2	0.0	0.0000	0.0	0.0	0.0	0.0
44	21.1	21.7	21.8	21.5	0.0	0.0000	0.0	0.0	0.0	0.0
45	21.1	20.2	20.5	22.0	0.0	0.0000	0.0	0.0	0.0	0.0
46	22.2	21.9	21.9	21.2	0.0	0.0000	0.0	0.0	0.0	0.0
47	21.3	21.1	21.0	21.7	15.7	4.5000	0.8	0.7	50.0	0.0
48	21.9	21.6	21.8	22.3	0.0	0.0000	0.0	0.0	0.0	0.0
49	22.3	22.3	22.2	21.4	0.0	0.0000	0.0	0.0	0.0	0.0
50	21.5	21.2	21.4	22.8	0.0	0.0000	0.0	0.0	0.0	0.0
51	23.0	22.6	22.7	23.0	0.0	0.0000	0.0	0.0	0.0	0.0
52	23.2	23.1	23.2	23.5	0.0	0.0000	0.0	0.0	0.0	0.0
53	23.7	23.5	23.6	22.1	0.0	0.0000	0.0	0.0	0.0	0.0
54	20.7	22.2	21.7	22.2	0.0	0.0000	0.0	0.0	0.0	0.0
55	22.4	22.0	22.1	23.1	0.0	0.0000	0.0	0.0	0.0	0.0
56	23.2	23.0	23.0	23.7	0.0	0.0000	0.0	0.0	0.0	0.0
57	23.8	23.4	23.5	23.7	0.0	0.0000	0.0	0.0	0.0	0.0
58	24.1	23.8	23.8	22.8	15.4	4.5000	0.8	0.6	50.0	0.0
59	22.9	22.6	22.7	22.3	0.0	0.0000	0.0	0.0	0.0	0.0
60	22.5	22.2	22.3	22.4	0.0	0.0000	0.0	0.0	0.0	0.0
61	22.8	22.5	22.4	24.0	0.0	0.0000	0.0	0.0	0.0	0.0
62	24.1	23.9	23.9	24.7	0.0	0.0000	0.0	0.0	0.0	0.0
63	24.8	24.6	24.7	22.9	0.0	0.0000	0.0	0.0	0.0	0.0
64	23.0	22.6	22.7	23.6	0.0	0.0000	0.0	0.0	0.0	0.0
65	24.0	23.6	23.7	23.0	0.0	0.0000	0.0	0.0	0.0	0.0
66	23.2	22.9	22.9	23.2	0.0	0.0000	0.0	0.0	0.0	0.0
67	23.3	23.2	23.1	23.9	0.0	0.0000	0.0	0.0	0.0	0.0
68	24.2	23.9	23.9	23.0	0.0	0.0000	0.0	0.0	0.0	0.0
69	23.3	23.0	23.1	23.5	0.0	0.0000	0.0	0.0	0.0	0.0
70	23.7	23.4	23.3	22.0	0.0	0.0000	0.0	0.0	0.0	0.0
71	22.2	22.0	22.0	22.8	0.0	0.0000	0.0	0.0	0.0	0.0
72	22.9	22.6	22.7	22.7	0.0	0.0000	0.0	0.0	0.0	0.0
73	23.0	22.7	22.7	22.4	0.0	0.0000	0.0	0.0	0.0	0.0
74	22.5	22.2	22.2	22.7	0.0	0.0000	0.0	0.0	0.0	0.0
75	23.0	22.7	22.8	22.9	15.9	4.5000	1.0	0.6	49.9	0.0
76	23.0	22.7	22.7	21.3	0.0	0.0000	0.0	0.0	0.0	0.0
77	21.5	21.3	21.2	22.2	0.0	0.0000	0.0	0.0	0.0	0.0
78	22.5	22.2	22.2	22.2	0.0	0.0000	0.0	0.0	0.0	0.0



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040D
 Operator: MATHIAS
 Date: 02/07/01 Time: 06:40:29
 Description:

Serial #: 6393152
 File: KEMPER1

Cal Date: 10/12/98
 DOS File: KEMPER1

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 7.2 C
 DC Voltage (unreg): 0.0

	#1	#2	#3	#4
Date:	02/07/01	02/07/01	02/07/01	
Time:	06:40:29	12:29:47	18:39:56	
Temp:	7.2 C	10.0 C	9.4 C	
Channel	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
2	19.2	19.1	19.2	
3	18.9	19.1	19.0	
4	20.3	20.1	20.2	
5	18.1	18.1	18.2	
6	18.0	17.9	18.0	
7	19.1	19.1	18.9	
8	20.2	20.5	20.5	
9	20.6	20.7	20.5	
10	20.1	20.1	20.1	
11	20.1	20.2	20.1	
12	19.9	19.6	19.6	
13	20.5	20.5	20.8	
14	19.5	19.3	19.3	
15	18.5	18.5	18.6	
16	17.9	18.2	19.5	
17	18.2	18.5	18.5	
18	18.1	18.0	18.1	
19	18.6	18.1	18.4	
20	17.9	18.0	18.0	
21	19.3	19.3	19.5	
22	18.8	18.7	19.1	
23	19.8	19.8	19.9	
24	20.4	20.4	20.4	
25	20.4	20.4	20.3	
26	20.1	20.1	20.2	
27	20.8	20.8	20.7	
28	20.9	20.9	21.0	
29	20.2	20.1	20.1	
30	19.3	19.1	19.3	
31	20.3	20.1	20.1	
32	20.7	20.5	20.7	
33	19.3	19.1	19.4	
34	20.2	20.1	20.1	
35	20.7	20.6	20.8	
36	21.4	21.5	21.5	
37	21.4	19.5	19.4	
38	19.2	19.2	19.2	
39	19.9	20.0	20.0	
40	19.9	19.7	19.7	
41	21.4	21.3	21.3	
42	21.8	21.5	21.5	
43	21.2	21.3	21.2	
44	21.1	21.7	21.8	
45	21.1	20.2	20.5	
46	22.2	21.9	21.9	



SAMPLE
Wavetek Inc
5808 Churchman Bypass
Indianapolis, IN
46203
317-788-9351

This is a sample report.
This area is for your custom header.

Model: 4040D
Operator: MATHIAS
Date: 02/07/01 Time: 06:40:29
Description:

Serial #: 6393152
File: KEMPER1

Cal Date: 10/12/98
DOS File: KEMPER1

Table with 5 columns: Date, Time, Temp, Channel, Video Lvl(dBmV), and 24Hr Deviation(dB). Rows include channel numbers 47-99 and their respective video levels and deviations.

Table with 4 columns: LIMIT CHECK, Limit, 1 2 3 4, and Pass/Fail. Rows include Min Video Carrier Level, Max Delta Video Level, Min Delta V/A, Max Delta V/A, Max Delta Adjacent Chan, Max 24 Hour Deviation, Min Digital Level, Max Digital Level, and Conclusion: FAIL.

Reviewed: _____ Date: _____



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040D
 Operator: MATHIAS
 Date: 02/08/01 Time: 00:18:24
 Description:

Serial #: 6393152
 File: KEMPER4

Cal Date: 10/12/98
 DOS File: KEMPER4

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 3.9 C
 DC Voltage (unreg): 0.0

	#1	#2	#3	#4
Date:	02/08/01			
Time:	00:18:24			
Temp:	3.9 C			
Channel	Video Lvl(dBmV)			24Hr Deviation(dB)
2	18.9			
3	19.0			
4	20.2			
5	18.2			
6	18.2			
7	19.2			
8	20.2			
9	20.4			
10	20.0			
11	20.3			
12	19.5			
13	20.7			
14	19.5			
15	18.6			
16	20.0			
17	18.4			
18	18.1			
19	18.4			
20	18.0			
21	19.4			
22	19.1			
23	19.8			
24	20.7			
25	20.5			
26	20.4			
27	20.7			
28	20.9			
29	20.4			
30	19.4			
31	20.2			
32	20.7			
33	19.4			
34	20.1			
35	20.9			
36	21.5			
37	19.5			
38	19.2			
39	20.0			
40	19.9			
41	21.4			
42	21.8			
43	21.2			
44	21.5			
45	22.0			
46	21.2			



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040D
 Operator: MATHIAS
 Date: 02/08/01 Time: 00:18:24
 Description:

Serial #: 6393152
 File: KEMPER4

Cal Date: 10/12/98
 DOS File: KEMPER4

Date:	#1	#2	#3	#4	
Time:	02/08/01				
Temp:	00:18:24				
Channel	3.9 C				
	Video Lvl(dBmV)				24Hr Deviation(dB)
47	21.7				
48	22.3				
49	21.4				
50	22.8				
51	23.0				
52	23.5				
53	22.1				
54	22.2				
55	23.1				
56	23.7				
57	23.7				
58	22.8				
59	22.3				
60	22.4				
61	24.0				
62	24.7				
63	22.9				
64	23.6				
65	23.0				
66	23.2				
67	23.9				
68	23.0				
69	23.5				
70	22.0				
71	22.8				
72	22.7				
73	22.4				
74	22.7				
75	22.9				
76	21.3				
77	22.2				
78	22.2				
95	18.4				
96	18.9				
99	17.6				

LIMIT CHECK	Limit	1	2	3	4	
Min Video Carrier Level	..					Pass
Max Delta Video Level	..					Pass
Min Delta V/A	..					Pass
Max Delta V/A	..					Pass
Max Delta Adjacent Chan	..					Pass
Max 24 Hour Deviation	..					Fail
Min Digital Level	..					Pass
Max Digital Level	..					Pass
Conclusion:						FAIL

Reviewed: _____ Date: _____

	Visual Carrier Lev (dBmV)	Visual Carrier Freq (MHz)	Aural Carrier Lev (dBc)	Aural Frequency Offset (MHz)	2nd Aural Carrier Lev (dBc)	2nd Aural Frequency Offset (MHz)	Average Power (dBmV)
2 61.25	21.8	61.285926	-11	4.499994			
99-A1 61.25	25.7	61.308776	-15.8	4.5			
21-H 61.25	22.5	61.283408	-16.2 *	4.500008			
8 61.25	22.8	61.281928	-16.7 *	4.500001			
23-J 61.25	22.2	61.281056	-15.8	4.499987			
32-S+ 61.25	23.2	61.291446	-15.3	4.499999			
47-KK+ 61.25	23.8	61.288705	-15.7	4.500005			
58-VV 61.25	24	61.276886	-15.4	4.500027			
75 61.25	24.5	61.274023	-15.9	4.500032			

	Carrier to Noise (dB)	Desired to Undesired (dB)	CSO (dBc)	CTB (dBc)	Cross Modulation (dBc)	Adjacent Channel Lkg. (dBc)	In-Channel Response (dB)
2 61.25	50.9		-61.2	-68.5	-48		.8
99-A1 61.25	54.5		-68.1	-70.3	-48		.8
21-H 61.25	49.5		-66.4	-66.3	-48		.7
8 61.25	48.9		-63.5	-65.6	-48		.9
23-J 61.25	48.2		-63.5	-62.9	-48		.7
32-S+ 61.25	49.6		-55.9	-66.7	-48		.7
47-KK+ 61.25	50		-68.4	-64.9	-48		.7
58-VV 61.25	50		-56.2	-65.2	-48		.6
75 61.25	49.9		-68.4	-66	-48		.6

	HUM/LFD (%)
2 61.25	1.1
99-A1 61.25	1.2
21-H 61.25	1.3
8 61.25	.8
23-J 61.25	1
32-S+ 61.25	.7
47-KK+ 61.25	.8
58-VV 61.25	.8
75 61.25	1

Test Point Summary

Comcast Communications

ALEXANDRIA JAN 2001

Section 1: Test Point		
System	Alex	Alexandria, VA
Location	TP7	160 Second St.
Type (Field/Headend)	Field	
Active Channels	79	
Active Bandwidth	550 MHz	
FCC Minimum Channels to Test	9	

Section 2: Test Results		Pass
VSL Min. Level 100' Drop	100.0%	
VSL Six Month Interval	100.0%	
VSL 6 MHz Separation	100.0%	
VSL All Channel Separation	100.0%	
VSL Min. Level Converter	No Data	
Visual/Aural Level Separation	100.0%	
Visual/Aural Freq. Separation	100.0%	
Hum	100.0%	
In-Channel Response	100.0%	
Carrier to Noise	100.0%	
Distortion	100.0%	
Color: Chroma Delay	No Data	
Color: Differential Gain	No Data	
Color: Differential Phase	No Data	
System Total	100.0%	

Section 3: Other Key Items		
VSL: Low Reading	12.9 dB	TP7 Ch 16
VSL: High Reading	16.3 dB	TP7 Ch 54
VSL: Max. 24 Hr Variation	2.1 dB	TP7 Ch 16
ASL: Min. V/A Delta	11.5 dB	TP7 Ch 2
ASL: Max. V/A Delta	16.7 dB	TP7 Ch 8
Carrier to Noise: Worst	48.3 dB	TP7 Ch 47
Carrier to Noise: Average	49.8 dB	
Distortion: Average	66.9 dB	

Section 4: Comments	
>	
>	
>	
>	

Pass/Fail Analysis

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 160 Second St.

Test	Result	Followup/Comments
Visual Signal Level:		
Minimum Level 100' Drop	Passed	
6 Month Interval	Passed	
6 MHz Separation	Passed	
All Channel Separation	Passed	
VSL Min. Level at Converter	No Data	
Aural Signal Level	Passed	
Aural Center Frequency	Passed	
Hum	Passed	
In-Channel Response	Passed	
Carrier to Noise	Passed	
Distortion	Passed	
Color	No Data	

Pass/Fail Summary

Comcast Communications

Alexandria, VA

ALEXANDRIA JAN 2001: 160 Second St.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	V S L													Color			Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D			
	R	M	H	L	O	S	C	U	C	/	I	L	F	F			
2	P	P	P	P	-	P	P	P	P	P	P	-	-	-			
3	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
4	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
5	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
6	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
95	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
96	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
99	P	P	P	P	-	P	P	P	P	P	P	-	-	-			
14	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
15	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
16	P	P	P	L	-	S	-	-	-	-	-	-	-	-			
17	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
18	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
19	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
20	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
21	P	P	P	P	-	P	P	P	P	P	P	-	-	-			
22	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
7	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
8	P	P	P	P	-	P	P	P	P	P	P	-	-	-			
9	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
10	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
11	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
12	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
13	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
23	P	P	P	P	-	P	P	P	P	P	P	-	-	-			
24	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
25	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
26	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
27	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
28	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
29	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
30	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
31	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
32	P	P	P	P	-	P	P	P	P	P	P	-	-	-			
33	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
34	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
35	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
36	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
37	P	P	P	P	-	S	-	-	-	-	-	-	-	-			
38	P	P	P	P	-	S	-	-	-	-	-	-	-	-			

Pass/Fail Summary

Comcast Communications

Alexandria, VA

ALEXANDRIA JAN 2001: 160 Second St.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL											Color			Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D	
	R	M	H	L	O	S	C	U	C	/	I	L	F	F	
39	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
40	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
41	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
42	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
43	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
44	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
45	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
46	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
47	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
48	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
49	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
50	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
51	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
52	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
53	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
54	P	P	P	H	-	S	-	-	-	-	-	-	-	-	
55	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
56	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
57	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
58	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
59	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
60	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
61	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
62	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
63	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
64	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
65	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
66	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
67	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
68	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
69	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
70	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
71	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
72	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
73	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
74	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
75	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
76	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
77	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
78	P	P	P	P	-	S	-	-	-	-	-	-	-	-	

Proof of Performance Public Record

Comcast Communications

ALEXANDRIA JAN 2001: 160 Second St.

Channel	Visual Signal Level				Aural Signal Level			In Channel	C/N	Distortion
	24 Hour Test				V/A Level	A/V Freq	Hum			
	#1	#2	#3	#4	Delta	Delta	Delta			
Date	Feb 6				Feb 6	Feb 6	Feb 6	Feb 6	Feb 6	Feb 6
TIME	4	10	4	10	-	-	-	-	-	-
TEMP	27.0	29.0	33.0	28.0	-	-	-	-	-	-
2	15.0	14.9	14.9	14.8	11.5	4.5000	1.1	0.9	49.8	0.0
3	15.0	15.0	14.9	15.1	0.0	0.0000	0.0	0.0	0.0	0.0
4	15.0	14.9	14.9	15.1	0.0	0.0000	0.0	0.0	0.0	0.0
5	14.6	14.7	14.6	14.6	0.0	0.0000	0.0	0.0	0.0	0.0
6	15.0	14.7	14.8	14.7	0.0	0.0000	0.0	0.0	0.0	0.0
95	13.5	13.7	13.9	13.6	0.0	0.0000	0.0	0.0	0.0	0.0
96	14.6	14.3	14.4	14.4	0.0	0.0000	0.0	0.0	0.0	0.0
99	14.4	14.3	14.4	14.5	15.6	4.4999	1.3	0.8	51.2	0.0
14	14.2	14.2	14.2	14.1	0.0	0.0000	0.0	0.0	0.0	0.0
15	14.2	14.2	14.1	14.1	0.0	0.0000	0.0	0.0	0.0	0.0
16	13.6	13.0	12.9	15.0	0.0	0.0000	0.0	0.0	0.0	0.0
17	15.1	15.1	15.1	15.0	0.0	0.0000	0.0	0.0	0.0	0.0
18	14.7	14.6	14.5	14.3	0.0	0.0000	0.0	0.0	0.0	0.0
19	14.3	14.3	14.2	14.4	0.0	0.0000	0.0	0.0	0.0	0.0
20	14.8	14.8	14.9	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
21	14.4	14.5	14.3	14.0	16.0	4.5000	1.3	0.7	50.6	0.0
22	14.8	14.6	14.6	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
7	15.1	14.9	15.0	14.9	0.0	0.0000	0.0	0.0	0.0	0.0
8	15.1	15.1	15.0	15.0	16.7	4.4999	0.7	0.9	48.9	0.0
9	14.5	14.7	14.5	14.6	0.0	0.0000	0.0	0.0	0.0	0.0
10	14.4	14.4	14.4	14.5	0.0	0.0000	0.0	0.0	0.0	0.0
11	15.6	15.7	15.6	15.7	0.0	0.0000	0.0	0.0	0.0	0.0
12	14.6	14.6	14.6	14.7	0.0	0.0000	0.0	0.0	0.0	0.0
13	14.8	15.0	14.8	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
23	15.3	15.5	15.6	15.5	16.0	4.5000	0.9	0.7	50.5	0.0
24	15.1	15.1	15.2	15.2	0.0	0.0000	0.0	0.0	0.0	0.0
25	15.8	15.9	15.8	15.8	0.0	0.0000	0.0	0.0	0.0	0.0
26	15.1	15.3	15.4	15.1	0.0	0.0000	0.0	0.0	0.0	0.0
27	15.7	15.7	15.5	15.6	0.0	0.0000	0.0	0.0	0.0	0.0
28	15.3	15.2	15.3	15.3	0.0	0.0000	0.0	0.0	0.0	0.0
29	15.4	15.1	15.1	15.1	0.0	0.0000	0.0	0.0	0.0	0.0
30	15.0	14.9	14.9	14.9	0.0	0.0000	0.0	0.0	0.0	0.0
31	16.2	16.2	16.2	16.2	0.0	0.0000	0.0	0.0	0.0	0.0
32	14.8	14.9	14.8	14.9	15.4	4.5000	1.0	0.4	48.9	0.0
33	15.0	14.9	14.8	14.9	0.0	0.0000	0.0	0.0	0.0	0.0
34	14.7	14.6	14.7	14.6	0.0	0.0000	0.0	0.0	0.0	0.0
35	14.7	14.6	14.5	14.5	0.0	0.0000	0.0	0.0	0.0	0.0
36	15.5	15.5	15.4	15.5	0.0	0.0000	0.0	0.0	0.0	0.0
37	15.5	15.4	15.4	15.5	0.0	0.0000	0.0	0.0	0.0	0.0

Proof of Performance Public Record

Comcast Communications

ALEXANDRIA JAN 2001: 160 Second St.

Channel	Visual Signal Level				Aural Signal Level			In Channel	C/N	Distortion
	24 Hour Test				V/A Level	A/V Freq	Hum			
	#1	#2	#3	#4	Delta	Delta	Hum	Resp.		
38	14.2	14.2	14.4	14.4	0.0	0.0000	0.0	0.0	0.0	0.0
39	14.7	14.7	14.7	14.7	0.0	0.0000	0.0	0.0	0.0	0.0
40	14.8	14.7	14.6	14.6	0.0	0.0000	0.0	0.0	0.0	0.0
41	15.0	15.1	15.1	15.0	0.0	0.0000	0.0	0.0	0.0	0.0
42	14.7	14.7	14.7	14.6	0.0	0.0000	0.0	0.0	0.0	0.0
43	15.1	14.9	14.8	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
44	14.4	14.4	14.5	14.6	0.0	0.0000	0.0	0.0	0.0	0.0
45	14.9	14.8	15.0	14.9	0.0	0.0000	0.0	0.0	0.0	0.0
46	14.9	14.8	14.7	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
47	14.4	14.5	14.4	14.5	15.9	4.5000	1.5	0.8	48.3	0.0
48	14.2	14.2	14.2	14.2	0.0	0.0000	0.0	0.0	0.0	0.0
49	15.0	14.9	14.8	15.0	0.0	0.0000	0.0	0.0	0.0	0.0
50	15.2	15.1	15.1	15.2	0.0	0.0000	0.0	0.0	0.0	0.0
51	14.6	14.8	14.8	14.7	0.0	0.0000	0.0	0.0	0.0	0.0
52	14.8	14.8	14.8	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
53	15.4	15.4	15.5	15.5	0.0	0.0000	0.0	0.0	0.0	0.0
54	16.1	16.1	16.1	16.3	0.0	0.0000	0.0	0.0	0.0	0.0
55	14.7	14.6	14.7	14.5	0.0	0.0000	0.0	0.0	0.0	0.0
56	14.2	14.2	14.1	14.2	0.0	0.0000	0.0	0.0	0.0	0.0
57	15.6	15.8	15.6	15.7	0.0	0.0000	0.0	0.0	0.0	0.0
58	15.2	14.7	15.0	14.9	15.6	4.5000	0.5	0.8	49.7	0.0
59	15.4	15.5	15.5	15.5	0.0	0.0000	0.0	0.0	0.0	0.0
60	15.1	15.1	14.8	14.9	0.0	0.0000	0.0	0.0	0.0	0.0
61	15.4	15.3	15.3	15.3	0.0	0.0000	0.0	0.0	0.0	0.0
62	15.2	15.1	15.1	15.1	0.0	0.0000	0.0	0.0	0.0	0.0
63	15.0	15.0	14.9	14.9	0.0	0.0000	0.0	0.0	0.0	0.0
64	15.2	15.2	14.9	15.0	0.0	0.0000	0.0	0.0	0.0	0.0
65	15.5	15.6	15.5	15.6	0.0	0.0000	0.0	0.0	0.0	0.0
66	15.6	15.6	15.7	15.7	0.0	0.0000	0.0	0.0	0.0	0.0
67	14.8	14.9	14.8	14.9	0.0	0.0000	0.0	0.0	0.0	0.0
68	14.8	14.8	14.7	14.8	0.0	0.0000	0.0	0.0	0.0	0.0
69	13.6	13.6	13.4	13.6	0.0	0.0000	0.0	0.0	0.0	0.0
70	13.7	13.7	13.7	13.7	0.0	0.0000	0.0	0.0	0.0	0.0
71	14.3	14.1	14.1	14.1	0.0	0.0000	0.0	0.0	0.0	0.0
72	15.5	15.6	15.4	15.5	0.0	0.0000	0.0	0.0	0.0	0.0
73	13.9	13.9	13.9	13.9	0.0	0.0000	0.0	0.0	0.0	0.0
74	13.9	14.0	14.0	14.0	0.0	0.0000	0.0	0.0	0.0	0.0
75	14.0	13.8	13.9	13.9	15.8	4.5000	0.7	0.5	50.5	0.0
76	16.0	15.9	15.9	15.9	0.0	0.0000	0.0	0.0	0.0	0.0
77	16.2	16.0	16.0	16.1	0.0	0.0000	0.0	0.0	0.0	0.0
78	15.6	15.6	15.6	15.6	0.0	0.0000	0.0	0.0	0.0	0.0



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: SDA-5000
 Operator: STEVE_HAAS
 Date: 02/06/01 Time: 03:56:12
 Description:

Serial #: 8463382
 File: SECOND1

Cal Date: 03/20/00
 DOS File: SECOND1

Location: 1160_SECOND_ST	AmplD:	Reverse Pad:
Location Type: FieldTest	Power Cfg:	Forward Pad:
Area:	Feeder Maker Cfg:	Rev Equalizer:
Test Pnt Type:	Trunk Term:	Fwd Equalizer:
Test Pnt Comp:	Voltage Setting:	Temp:
AC Voltage:	DC Voltage (reg):	DC Voltage (unreg):

Date:	#1	#2	#3	#4	
Time:	02/06/01	02/06/01	02/06/01	02/06/01	
Temp:	03:56:12	10:15:40	04:32:38	10:23:28	
Channel	-0.8 C	2.8 C	4.4 C	34.0 C	
	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
2	15.0	14.9	14.9	14.8	
3	15.0	15.0	14.9	15.1	
4	15.0	14.9	14.9	15.0	
5	14.6	14.7	14.6	14.6	
6	15.0	14.7	14.8	14.7	
7	15.1	14.9	15.0	14.9	
8	15.1	15.1	15.0	15.0	
9	14.5	14.7	14.5	14.6	
10	14.4	14.4	14.4	14.5	
11	15.6	15.7	15.6	15.7	
12	14.6	14.6	14.6	14.7	
13	14.8	15.0	14.8	14.8	
14	14.2	14.2	14.2	14.1	
15	14.2	14.2	14.1	14.1	
16	13.6	13.0	12.9	15.0	
17	15.1	15.1	15.1	15.0	
18	14.7	14.6	14.5	14.3	
19	14.3	14.3	14.2	14.4	
20	14.8	14.8	14.9	14.8	
21	14.4	14.5	14.3	14.3	
22	14.8	14.6	14.6	14.8	
23	15.3	15.5	15.6	15.5	
24	15.1	15.1	15.2	15.2	
25	15.8	15.9	15.8	15.8	
26	15.1	15.3	15.4	15.1	
27	15.7	15.7	15.5	15.6	
28	15.3	15.2	15.3	15.3	
29	15.4	15.1	15.1	15.1	
30	15.0	14.9	14.9	14.9	
31	16.2	16.2	16.2	16.2	
32	14.8	14.9	14.8	14.9	
33	15.0	14.9	14.8	14.9	
34	14.7	14.6	14.7	14.6	
35	14.7	14.6	14.5	14.5	
36	15.5	15.5	15.4	15.5	
37	15.5	15.4	15.4	15.5	
38	14.2	14.2	14.4	14.4	
39	14.7	14.7	14.7	14.7	
40	14.8	14.7	14.6	14.6	
41	15.0	15.1	15.1	15.0	
42	14.7	14.7	14.7	14.6	
43	15.1	14.9	14.8	14.8	
44	14.4	14.4	14.5	14.6	
45	14.9	14.8	15.0	14.9	
46	14.9	14.8	14.7	14.8	

244



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: SDA-5000
 Operator: STEVE_HAAS
 Date: 02/06/01 Time: 03:56:12
 Description:

Serial #: 8463382
 File: SECOND1

Cal Date: 03/20/00
 DOS File: SECOND1

Date:	#1	#2	#3	#4	
Time:	02/06/01	02/06/01	02/06/01	02/06/01	
Temp:	03:56:12	10:15:40	04:32:38	10:23:28	
Channel	-0.6 C	2.8 C	4.4 C	34.0 C	
	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
47	14.4	14.5	14.4	14.5	
48	14.2	14.2	14.2	14.2	
49	15.0	14.9	14.8	15.0	
50	15.2	15.1	15.1	15.2	
51	14.6	14.8	14.8	14.7	
52	14.8	14.8	14.8	14.8	
53	15.4	15.4	15.5	15.5	
54	16.1	16.1	16.1	16.3	
55	14.7	14.6	14.7	14.5	
56	14.2	14.2	14.1	14.2	
57	15.6	15.8	15.6	15.7	
58	15.2	14.7	15.0	14.9	
59	15.4	15.5	15.5	15.5	
60	15.1	15.1	14.8	14.9	
61	15.4	15.3	15.3	15.3	
62	15.2	15.1	15.1	15.1	
63	15.0	15.0	14.9	14.9	
64	15.2	15.2	14.9	15.0	
65	15.5	15.6	15.5	15.6	
66	15.6	15.6	15.7	15.7	
67	14.8	14.9	14.8	14.9	
68	14.8	14.8	14.7	14.8	
69	13.6	13.6	13.4	13.6	
70	13.7	13.7	13.7	13.7	
71	14.3	14.1	14.1	14.1	
72	15.5	15.6	15.4	15.5	
73	13.9	13.9	13.9	13.9	
74	13.9	14.0	14.0	14.0	
75	14.0	13.8	13.9	13.9	
76	16.0	15.9	15.9	15.9	
77	16.2	16.0	16.0	16.1	
78	15.6	15.6	15.6	15.6	
95	13.5	13.7	13.9	13.6	
96	14.6	14.3	14.4	14.4	
99	14.4	14.3	14.4	14.5	

LIMIT CHECK	Limit	1	2	3	4	
Min Video Carrier Level	..					Pass
Max Delta Video Level	..					Pass
Min Delta V/A	..					Pass
Max Delta V/A	..					Pass
Max Delta Adjacent Chan	..					Pass
Max 24 Hour Deviation	..			Not A Valid Test		Fail
Min Digital Level	..					Pass
Max Digital Level	..					Pass
Conclusion:						FAIL

Reviewed: _____

Date: _____

	Visual Carrier Lev (dBmV)	Visual Carrier Freq (MHz)	Aural Carrier Lev (dBc)	Aural Frequency Offset (MHz)	2nd Aural Carrier Lev (dBc)	2nd Aural Frequency Offset (MHz)	Average Power (dBmV)
2 61.25	11.6	61.285835	-11.5	4.50001			
99-A1 61.25	15.6	61.308706	-15.6	4.499987			
21-H 61.25	13.1	61.283355	-16 *	4.5			
8 61.25	13.6	61.281974	-16.7 *	4.499992			
23-J 61.25	12.7	61.281115	-16 *	4.500001			
32-S+ 61.25	13.3	61.291535	-15.4	4.500023			
47-KK + 61.25	13.2	61.288874	-15.9	4.500017			
58-VV 61.25	14.2	61.277153	-15.6	4.500009			
75 61.25	13	61.274383	-15.8	4.500035			

	Carrier to Noise (dB)	Desired to Undesired (dB)	CSO (dBc)	CTB (dBc)	Cross Modulation (dBc)	Adjacent Channel Lkg. (dBc)	In-Channel Response (dB)
2 61.25	49.8		-67.7	-70.2	-48		.9
99-A1 61.25	51.2		-68.1	-71.2	-48		.8
21-H 61.25	50.6		-69.4	-69.8	-48		.7
8 61.25	48.9		-65.9	-70	-48		.9
23-J 61.25	50.5		-65	-69.8	-48		.7
32-S+ 61.25	48.9		-53	-70	-48		.4
47-KK+ 61.25	48.3		-67.1	-68.5	-48		.8
58-VV 61.25	49.7		-53.7	-68.9	-48		.8
75 61.25	50.5		-67.4	-69.2	-48		.5

	HUM/LFD (%)
2 61.25	1.1
99-A1 61.25	1.3
21-H 61.25	1.3
8 61.25	.7
23-J 61.25	.9
32-S+ 61.25	1
47-KK+ 61.25	1.5
58-VV 61.25	.5
75 61.25	.7

Test Point Summary

Comcast Communications

ALEXANDRIA JAN 2001

Section 1: Test Point		
System	Alex	Alexandria, VA
Location	TP8	135 N Gardner Dr.
Type (Field/Headend)	Field	
Active Channels	79	
Active Bandwidth	550 MHz	
FCC Minimum Channels to Test	9	

Section 2: Test Results		Pass
VSL Min. Level 100' Drop	100.0%	
VSL Six Month Interval	100.0%	
VSL 6 MHz Separation	100.0%	
VSL All Channel Separation	100.0%	
VSL Min. Level Converter	No Data	
Visual/Aural Level Separation	100.0%	
Visual/Aural Freq. Separation	100.0%	
Hum	100.0%	
In-Channel Response	100.0%	
Carrier to Noise	100.0%	
Distortion	100.0%	
Color: Chroma Delay	No Data	
Color: Differential Gain	No Data	
Color: Differential Phase	No Data	
System Total	100.0%	

Section 3: Other Key Items		
VSL: Low Reading	11.1 dB	TP8 Ch 2
VSL: High Reading	19.1 dB	TP8 Ch 77
VSL: Max. 24 Hr Variation	2.9 dB	TP8 Ch 54
ASL: Min. V/A Delta	11.3 dB	TP8 Ch 2
ASL: Max. V/A Delta	16.3 dB	TP8 Ch 8
Carrier to Noise: Worst	48.8 dB	TP8 Ch 47
Carrier to Noise: Average	49.9 dB	
Distortion: Average	63.2 dB	

Section 4: Comments	
>	
>	
>	
>	

Pass/Fail Analysis

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 135 N Gardner Dr.

Test	Result	Followup/Comments
Visual Signal Level:		
Minimum Level 100' Drop	Passed	
6 Month Interval	Passed	
6 MHz Separation	Passed	
All Channel Separation	Passed	
VSL Min. Level at Converter	No Data	
Aural Signal Level	Passed	
Aural Center Frequency	Passed	
Hum	Passed	
In-Channel Response	Passed	
Carrier to Noise	Passed	
Distortion	Passed	
Color	No Data	

Pass/Fail Summary

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 135 N Gardner Dr.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL												Color			Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D		
	R	M	H	L	O	S	C	U	C	/	I	L	F	F		
2	P	P	P	L	-	P	P	P	P	P	P	-	-	-		
3	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
4	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
5	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
6	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
95	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
96	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
99	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
14	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
15	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
16	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
17	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
18	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
19	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
20	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
21	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
22	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
7	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
8	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
9	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
10	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
11	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
12	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
13	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
23	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
24	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
25	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
26	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
27	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
28	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
29	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
30	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
31	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
32	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
33	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
34	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
35	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
36	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
37	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
38	P	P	P	P	-	S	-	-	-	-	-	-	-	-		

Pass/Fail Summary

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 135 N Gardner Dr.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL												Color			Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D		
	R	M	H	L	O	S	C	U	C	/	I	L	F	F		
39	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
40	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
41	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
42	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
43	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
44	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
45	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
46	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
47	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
48	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
49	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
50	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
51	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
52	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
53	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
54	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
55	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
56	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
57	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
58	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
59	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
60	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
61	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
62	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
63	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
64	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
65	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
66	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
67	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
68	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
69	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
70	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
71	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
72	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
73	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
74	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
75	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
76	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
77	P	P	P	H	-	S	-	-	-	-	-	-	-	-		
78	P	P	P	P	-	S	-	-	-	-	-	-	-	-		

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Proof of Performance Public Record

Comcast Communications

ALEXANDRIA JAN 2001: 135 N Gardner Dr.

Channel	Visual Signal Level				Aural Signal Level			In		
	24 Hour Test				V/A Level	A/V Freq		Channel		
	#1	#2	#3	#4	Delta	Delta	Hum	Resp.	C/N	Distortion
Date	Feb 7				Feb 7	Feb 7	Feb 7	Feb 7	Feb 7	Feb 7
TIME	6	12	18	0	-	-	-	-	-	-
TEMP	29.0	32.0	28.0	27.0	-	-	-	-	-	-
2	11.4	11.3	11.1	11.4	11.3	4.4999	1.1	0.7	49.7	0.0
3	11.8	11.7	11.6	11.5	0.0	0.0000	0.0	0.0	0.0	0.0
4	11.8	11.7	11.6	11.5	0.0	0.0000	0.0	0.0	0.0	0.0
5	12.6	12.6	12.5	12.5	0.0	0.0000	0.0	0.0	0.0	0.0
6	12.6	12.6	12.6	12.6	0.0	0.0000	0.0	0.0	0.0	0.0
95	12.1	12.0	12.0	12.0	0.0	0.0000	0.0	0.0	0.0	0.0
96	13.4	13.6	13.0	13.0	0.0	0.0000	0.0	0.0	0.0	0.0
99	13.2	13.2	13.2	13.2	16.1	4.5000	0.7	0.9	53.6	0.0
14	13.3	13.4	13.4	13.4	0.0	0.0000	0.0	0.0	0.0	0.0
15	13.0	13.1	13.0	12.9	0.0	0.0000	0.0	0.0	0.0	0.0
16	14.2	12.2	13.4	12.0	0.0	0.0000	0.0	0.0	0.0	0.0
17	14.3	14.3	14.1	14.2	0.0	0.0000	0.0	0.0	0.0	0.0
18	13.9	13.8	13.9	13.8	0.0	0.0000	0.0	0.0	0.0	0.0
19	13.7	13.6	13.7	13.6	0.0	0.0000	0.0	0.0	0.0	0.0
20	14.4	14.1	14.2	14.1	0.0	0.0000	0.0	0.0	0.0	0.0
21	13.8	13.9	13.9	13.8	15.9	4.5000	1.0	0.7	49.3	0.0
22	14.0	14.1	14.0	14.0	0.0	0.0000	0.0	0.0	0.0	0.0
7	14.2	14.1	14.1	14.2	0.0	0.0000	0.0	0.0	0.0	0.0
8	14.0	13.6	13.9	13.8	16.3	4.4999	0.8	0.8	49.3	0.0
9	13.5	13.6	13.5	13.5	0.0	0.0000	0.0	0.0	0.0	0.0
10	14.1	14.1	13.9	14.0	0.0	0.0000	0.0	0.0	0.0	0.0
11	15.2	15.2	15.3	15.2	0.0	0.0000	0.0	0.0	0.0	0.0
12	14.8	14.7	14.8	14.9	0.0	0.0000	0.0	0.0	0.0	0.0
13	14.8	14.9	15.0	14.9	0.0	0.0000	0.0	0.0	0.0	0.0
23	15.6	15.6	15.5	15.3	16.0	4.5000	0.6	0.9	48.9	0.0
24	15.4	15.4	15.2	15.3	0.0	0.0000	0.0	0.0	0.0	0.0
25	16.1	16.1	16.0	16.0	0.0	0.0000	0.0	0.0	0.0	0.0
26	15.5	15.7	15.6	15.6	0.0	0.0000	0.0	0.0	0.0	0.0
27	16.2	16.2	16.1	16.1	0.0	0.0000	0.0	0.0	0.0	0.0
28	15.7	16.1	16.0	16.1	0.0	0.0000	0.0	0.0	0.0	0.0
29	15.5	15.4	15.5	15.5	0.0	0.0000	0.0	0.0	0.0	0.0
30	15.5	15.5	15.5	15.5	0.0	0.0000	0.0	0.0	0.0	0.0
31	16.7	16.6	16.8	16.7	0.0	0.0000	0.0	0.0	0.0	0.0
32	15.5	15.4	15.6	15.5	15.4	4.5000	1.1	0.8	49.6	0.0
33	15.7	15.6	15.8	15.8	0.0	0.0000	0.0	0.0	0.0	0.0
34	15.9	15.9	15.9	15.8	0.0	0.0000	0.0	0.0	0.0	0.0
35	15.6	15.6	15.6	15.7	0.0	0.0000	0.0	0.0	0.0	0.0
36	16.4	16.3	16.4	16.3	0.0	0.0000	0.0	0.0	0.0	0.0
37	16.6	16.6	16.6	16.5	0.0	0.0000	0.0	0.0	0.0	0.0



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040D
 Operator: MATHIAS
 Date: 02/07/01 Time: 06:37:16
 Description:

Serial #: 6393152
 File: GADNER1__

Cal Date: 10/12/98
 DOS File: GADNER1__

Location: ?	AmplD:	Reverse Pad: 0.0
Location Type: Undefined	Power Cfg: IN	Forward Pad: 0.0
Area:	Feeder Maker Cfg: 1	Rev Equalizer: 0.0
Test Pnt Type: None	Trunk Term: NO	Fwd Equalizer: 0.0
Test Pnt Comp: 0.0	Voltage Setting: LOW	Temp: 2.2 C
AC Voltage: 0	DC Voltage (reg): 0.0	DC Voltage (unreg): 0.0

	#1	#2	#3	#4	
Date:	02/07/01	02/07/01	02/07/01	02/08/01	
Time:	06:37:16	12:36:37	18:31:33	00:47:07	
Temp:	2.2 C	8.3 C	6.7 C	3.3 C	
Channel	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
2	11.4	11.3	11.1	11.4	
3	11.8	11.7	11.6	11.5	
4	11.9	11.7	11.8	11.8	
5	12.6	12.6	12.5	12.5	
6	12.6	12.6	12.5	12.6	
7	14.2	14.1	14.1	14.2	
8	14.0	13.6	13.9	13.8	
9	13.5	13.6	13.5	13.5	
10	14.1	14.1	13.9	14.0	
11	15.2	15.2	15.3	15.2	
12	14.8	14.7	14.8	14.9	
13	14.8	14.9	15.0	14.9	
14	13.3	13.4	13.4	13.4	
15	13.0	13.1	13.0	12.9	
16	14.2	12.2	13.4	12.0	
17	14.3	14.3	14.1	14.2	
18	13.9	13.8	13.9	13.8	
19	13.7	13.6	13.7	13.6	
20	14.4	14.1	14.2	14.1	
21	13.8	13.9	13.9	13.8	
22	14.0	14.1	14.0	14.0	
23	15.6	15.6	15.5	15.3	
24	15.4	15.4	15.2	15.3	
25	16.1	16.1	16.0	16.0	
26	15.5	15.7	15.6	15.6	
27	16.2	16.2	16.1	16.1	
28	15.7	16.1	16.0	16.1	
29	15.5	15.4	15.5	15.5	
30	15.5	15.5	15.5	15.5	
31	16.7	16.6	16.8	16.7	
32	15.5	15.4	15.6	15.5	
33	15.7	15.6	15.8	15.8	
34	15.9	15.9	15.9	15.8	
35	15.6	15.6	15.6	15.7	
36	16.4	16.3	16.4	16.3	
37	16.6	16.6	16.6	16.5	
38	15.4	15.3	15.3	15.2	
39	16.0	16.0	16.0	16.0	
40	16.4	16.4	16.4	16.3	
41	16.3	16.2	16.2	16.1	
42	16.2	16.1	16.3	16.1	
43	17.1	16.8	17.1	17.2	
44	16.4	16.6	16.5	16.5	
45	16.8	16.8	16.9	16.6	
46	16.6	16.7	16.8	16.7	



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040D
 Operator: MATHIAS
 Date: 02/07/01 Time: 06:37:16
 Description:

Serial #: 6393152
 File: GADNER1__

Cal Date: 10/12/98
 DOS File: GADNER1__

	#1	#2	#3	#4	
Date:	02/07/01	02/07/01	02/07/01	02/08/01	
Time:	06:37:16	12:36:37	18:31:33	00:47:07	
Temp:	2.2 C	8.3 C	6.7 C	3.3 C	
Channel	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
47	16.5	16.3	16.3	16.2	
48	15.8	15.7	15.8	15.8	
49	16.8	16.8	16.8	16.9	
50	16.9	17.0	17.1	17.0	
51	16.9	16.8	16.8	16.8	
52	16.9	17.1	16.8	17.0	
53	17.3	17.3	17.3	17.3	
54	18.4	18.3	18.5	15.4	
55	16.4	16.4	16.5	16.5	
56	16.2	16.0	15.9	16.1	
57	17.6	17.5	17.6	17.5	
58	17.1	17.3	17.3	17.3	
59	18.1	18.1	18.0	17.9	
60	17.7	17.5	17.4	17.5	
61	18.1	18.1	18.1	18.0	
62	17.5	17.5	17.5	17.6	
63	17.6	17.5	17.6	17.5	
64	17.6	17.5	17.7	17.6	
65	18.2	18.2	18.2	18.1	
66	17.5	17.3	17.5	17.5	
67	17.8	17.8	17.8	18.0	
68	17.7	17.8	17.7	17.7	
69	16.8	16.7	16.7	16.9	
70	16.9	16.8	16.9	16.8	
71	17.8	17.8	17.8	17.8	
72	18.4	18.4	18.4	18.4	
73	17.6	17.4	17.4	17.4	
74	17.4	17.4	17.4	17.3	
75	17.0	16.9	16.9	16.9	
76	18.8	18.9	18.8	19.0	
77	19.1	18.9	19.0	19.0	
78	18.0	18.0	18.1	18.1	
95	12.1	12.0	12.0	12.0	
96	13.4	13.6	13.0	13.0	
99	13.2	13.2	13.2	13.2	

LIMIT CHECK	Limit	1	2	3	4	
Min Video Carrier Level	..					Pass
Max Delta Video Level	..					Pass
Min Delta V/A	..					Pass
Max Delta V/A	..					Pass
Max Delta Adjacent Chan	..					Pass
Max 24 Hour Deviation	..				Not A Valid Test	Fail
Min Digital Level	..					Pass
Max Digital Level	..					Pass
Conclusion:						FAIL

Reviewed: _____

Date: _____

	Visual Carrier Lev (dBmV)	Visual Carrier Freq (MHz)	Aural Carrier Lev (dBc)	Aural Frequency Offset (MHz)	2nd Aural Carrier Lev (dBc)	2nd Aural Frequency Offset (MHz)	Average Power (dBmV)
2 61.25	26.7	61.283655	-11.3	4.499992			
99-A1 61.25	30.8 *	61.30629	-16.1 *	4.500009			
21-H 61.25	26.8	61.280861	-15.9	4.500015			
8 61.25	26.7	61.279643	-16.3 *	4.499998			
23-J 61.25	26.6	61.278752	-16 *	4.500001			
32-S+ 61.25	27.1	61.289184	-15.4	4.500018			
47-KK+ 61.25	26.1	61.286277	-15.4	4.499997			
58-VV 61.25	26.1	61.274124	-15.5	4.500013			
75 61.25	24.6	61.271217	-15.8	4.500019			

	Carrier to Noise (dB)	Desired to Undesired (dB)	CSO (dBc)	CTB (dBc)	Cross Modulation (dBc)	Adjacent Channel Lkg. (dBc)	In-Channel Response (dB)
2 61.25	49.7		-68.4	-66.8	-48		.7
99-A1 61.25	53.6		-68.7	-70	-48		.9
21-H 61.25	49.3		-66.6	-65	-48		.7
8 61.25	49.3		-62.8	-64.5	-48		.8
23-J 61.25	48.9		-62.8	-61.8	-48		.9
32-S+ 61.25	49.6		-53.3	-65.4	-48		.8
47-KK+ 61.25	48.8		-64.6	-61.4	-48		.6
58-VV 61.25	49.9		-53.3	-63.5	-48		.8
75 61.25	49.6		-60	-64.6	-48		.8

	HUM/LFD (%)
2 61.25	1.1
99-A1 61.25	.7
21-H 61.25	1
8 61.25	.8
23-J 61.25	.6
32-S+ 61.25	1.1
47-KK+ 61.25	1.3
58-VV 61.25	.8
75 61.25	.5

Test Point Summary

Comcast Communications

ALEXANDRIA JAN 2001

Section 1: Test Point		
System	Alex	Alexandria, VA
Location	TP9	211 N Pitt St.
Type (Field/Headend)	Field	
Active Channels	79	
Active Bandwidth	550 MHz	
FCC Minimum Channels to Test	9	

Section 2: Test Results		Pass
VSL Min. Level 100' Drop	100.0%	
VSL Six Month Interval	100.0%	
VSL 6 MHz Separation	100.0%	
VSL All Channel Separation	100.0%	
VSL Min. Level Converter	No Data	
Visual/Aural Level Separation	100.0%	
Visual/Aural Freq. Separation	100.0%	
Hum	100.0%	
In-Channel Response	100.0%	
Carrier to Noise	100.0%	
Distortion	100.0%	
Color: Chroma Delay	No Data	
Color: Differential Gain	No Data	
Color: Differential Phase	No Data	
System Total	100.0%	

Section 3: Other Key Items		
VSL: Low Reading	6.1 dB	TP9 Ch 16
VSL: High Reading	13.7 dB	TP9 Ch 62
VSL: Max. 24 Hr Variation	1.7 dB	TP9 Ch 16
ASL: Min. V/A Delta	11.5 dB	TP9 Ch 2
ASL: Max. V/A Delta	16.4 dB	TP9 Ch 8
Carrier to Noise: Worst	48.2 dB	TP9 Ch 21
Carrier to Noise: Average	49.5 dB	
Distortion: Average	65.9 dB	

Section 4: Comments	
>	
>	
>	
>	

Pass/Fail Analysis

Comcast Communications
Alexandria, VA

ALEXANDRIA JAN 2001: 211 N Pitt St.

Test	Result	Followup/Comments
Visual Signal Level:		
Minimum Level 100' Drop	Passed	
6 Month Interval	Passed	
6 MHz Separation	Passed	
All Channel Separation	Passed	
VSL Min. Level at Converter	No Data	
Aural Signal Level	Passed	
Aural Center Frequency	Passed	
Hum	Passed	
In-Channel Response	Passed	
Carrier to Noise	Passed	
Distortion	Passed	
Color	No Data	

Pass/Fail Summary

Comcast Communications

Alexandria, VA

ALEXANDRIA JAN 2001: 211 N Pitt St.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	V S L												Color			Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D		
	R	M	H	L	O	S	C	U	C	/	I	L	F	F		
2	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
3	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
4	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
5	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
6	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
95	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
96	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
99	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
14	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
15	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
16	P	P	P	L	-	S	-	-	-	-	-	-	-	-		
17	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
18	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
19	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
20	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
21	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
22	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
7	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
8	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
9	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
10	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
11	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
12	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
13	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
23	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
24	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
25	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
26	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
27	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
28	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
29	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
30	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
31	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
32	P	P	P	P	-	P	P	P	P	P	P	-	-	-		
33	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
34	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
35	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
36	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
37	P	P	P	P	-	S	-	-	-	-	-	-	-	-		
38	P	P	P	P	-	S	-	-	-	-	-	-	-	-		

Pass/Fail Summary

Comcast Communications

Alexandria, VA

ALEXANDRIA JAN 2001: 211 N Pitt St.

P = Passed X = Failed S = Skipped - = No Data L = Low H = High

Channel	VSL											Color			Comments
	D	6	M	A	C	A	A	H	I	C	D	C	D	D	
	R	M	H	L	O	S	C	U	C	/	I	L	F	F	
39	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
40	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
41	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
42	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
43	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
44	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
45	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
46	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
47	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
48	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
49	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
50	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
51	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
52	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
53	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
54	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
55	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
56	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
57	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
58	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
59	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
60	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
61	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
62	P	P	P	H	-	S	-	-	-	-	-	-	-	-	
63	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
64	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
65	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
66	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
67	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
68	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
69	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
70	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
71	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
72	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
73	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
74	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
75	P	P	P	P	-	P	P	P	P	P	P	-	-	-	
76	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
77	P	P	P	P	-	S	-	-	-	-	-	-	-	-	
78	P	P	P	P	-	S	-	-	-	-	-	-	-	-	

Proof of Performance Public Record

Comcast Communications

ALEXANDRIA JAN 2001: 211 N Pitt St.

Channel	Visual Signal Level				Aural Signal Level			In Channel	C/N	Distortion
	24 Hour Test				V/A Level	A/V Freq	Hum			
	#1	#2	#3	#4	Delta	Delta	Hum			
Date	Feb 6				Feb 8	Feb 8	Feb 8	Feb 8	Feb 8	Feb 8
TIME	6	12	18	24	-	-	-	-	-	-
TEMP	32.0	28.0	29.0	33.0	-	-	-	-	-	-
2	7.6	7.3	7.2	7.5	11.5	4.4999	1.2	0.8	48.3	0.0
3	8.0	7.9	7.6	7.8	0.0	0.0000	0.0	0.0	0.0	0.0
4	7.2	7.5	7.4	7.4	0.0	0.0000	0.0	0.0	0.0	0.0
5	7.6	7.1	7.5	7.2	0.0	0.0000	0.0	0.0	0.0	0.0
6	6.9	6.8	7.5	7.1	0.0	0.0000	0.0	0.0	0.0	0.0
95	8.2	8.2	8.2	8.3	0.0	0.0000	0.0	0.0	0.0	0.0
96	8.4	7.4	8.1	7.7	0.0	0.0000	0.0	0.0	0.0	0.0
99	7.3	7.3	7.5	7.4	15.9	4.4999	0.6	0.7	51.2	0.0
14	7.7	7.7	7.7	7.7	0.0	0.0000	0.0	0.0	0.0	0.0
15	8.0	8.1	7.8	7.9	0.0	0.0000	0.0	0.0	0.0	0.0
16	6.4	7.8	7.1	6.1	0.0	0.0000	0.0	0.0	0.0	0.0
17	7.7	7.5	7.6	7.4	0.0	0.0000	0.0	0.0	0.0	0.0
18	7.7	7.2	7.6	7.5	0.0	0.0000	0.0	0.0	0.0	0.0
19	7.4	7.5	7.2	7.2	0.0	0.0000	0.0	0.0	0.0	0.0
20	7.4	7.6	7.7	7.7	0.0	0.0000	0.0	0.0	0.0	0.0
21	7.5	7.6	7.6	7.7	16.3	4.5000	0.8	0.7	48.2	0.0
22	8.1	8.1	8.1	8.1	0.0	0.0000	0.0	0.0	0.0	0.0
7	8.1	8.3	8.1	8.1	0.0	0.0000	0.0	0.0	0.0	0.0
8	8.4	8.3	8.4	8.2	16.4	4.5000	0.9	1.0	48.2	0.0
9	8.4	8.2	8.2	8.3	0.0	0.0000	0.0	0.0	0.0	0.0
10	7.9	7.9	7.8	7.7	0.0	0.0000	0.0	0.0	0.0	0.0
11	9.2	9.2	9.2	8.8	0.0	0.0000	0.0	0.0	0.0	0.0
12	8.2	8.1	8.4	8.2	0.0	0.0000	0.0	0.0	0.0	0.0
13	8.9	8.8	8.7	9.0	0.0	0.0000	0.0	0.0	0.0	0.0
23	8.4	8.3	8.4	8.2	16.0	4.5000	0.8	0.6	48.3	0.0
24	8.3	8.4	8.3	8.2	0.0	0.0000	0.0	0.0	0.0	0.0
25	8.8	8.7	8.7	8.9	0.0	0.0000	0.0	0.0	0.0	0.0
26	8.2	8.7	8.4	8.4	0.0	0.0000	0.0	0.0	0.0	0.0
27	8.7	8.6	8.5	8.4	0.0	0.0000	0.0	0.0	0.0	0.0
28	9.6	9.6	9.6	9.6	0.0	0.0000	0.0	0.0	0.0	0.0
29	9.0	9.1	9.1	9.0	0.0	0.0000	0.0	0.0	0.0	0.0
30	9.1	9.1	9.1	9.4	0.0	0.0000	0.0	0.0	0.0	0.0
31	9.4	9.5	9.6	9.5	0.0	0.0000	0.0	0.0	0.0	0.0
32	9.9	10.0	9.9	10.0	15.4	4.5000	0.8	0.8	49.3	0.0
33	9.1	8.9	8.8	8.9	0.0	0.0000	0.0	0.0	0.0	0.0
34	8.7	9.0	9.1	8.9	0.0	0.0000	0.0	0.0	0.0	0.0
35	8.9	8.9	8.9	9.2	0.0	0.0000	0.0	0.0	0.0	0.0
36	9.0	9.0	8.9	8.9	0.0	0.0000	0.0	0.0	0.0	0.0
37	9.0	9.1	9.0	9.0	0.0	0.0000	0.0	0.0	0.0	0.0



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040
 Operator: ?
 Date: 02/06/01 Time: 06:06:01
 Description:

Serial #: 7143186
 File: TP#TEST1

Cal Date: 03/20/00
 DOS File: TP#TEST1

Location: 1211_N_PITT_ST
 Location Type: FiberNode
 Area:
 Test Pnt Type: Fiber Node
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad:
 Rev Equalizer: 0.0
 Fwd Equalizer:
 Temp: -1.7 C
 DC Voltage (unreg): 0.0

	#1	#2	#3	#4	
Date:	02/06/01	02/06/01	02/06/01	02/06/01	
Time:	06:06:01	12:02:33	18:11:24	23:56:19	
Temp:	-1.7 C	0.0 C	-0.6 C	-1.7 C	
Channel	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
2	7.6	7.3	7.2	7.5	0.4
3	8.0	7.9	7.6	7.8	0.4
3	8.0	7.9	7.6	7.8	0.4
4	7.2	7.5	7.4	7.4	0.3
5	7.6	7.1	7.5	7.2	0.5
6	6.9	6.8	7.5	7.1	0.7
7	8.1	8.3	8.1	8.1	0.2
8	8.4	8.3	8.4	8.2	0.2
9	8.4	8.2	8.2	8.3	0.2
10	7.9	7.9	7.8	7.7	0.2
11	9.2	9.2	9.2	8.8	0.4
12	8.2	8.1	8.4	8.2	0.3
13	8.9	8.8	8.7	9.0	0.3
14	7.7	7.7	7.7	7.7	0.0
15	8.0	8.1	7.8	7.9	0.3
16	6.4	7.8	7.1	6.1	1.7
17	7.7	7.5	7.6	7.4	0.3
18	7.7	7.2	7.6	7.5	0.5
19	7.4	7.5	7.2	7.2	0.3
20	7.4	7.6	7.7	7.7	0.3
21	7.5	7.6	7.6	7.7	0.2
22	8.1	8.1	8.1	8.1	0.0
23	8.4	8.3	8.4	8.2	0.2
24	8.3	8.4	8.3	8.2	0.2
25	8.8	8.7	8.7	8.9	0.2
26	8.2	8.7	8.4	8.4	0.5
27	8.7	8.6	8.5	8.4	0.3
28	9.6	9.6	9.6	9.6	0.0
29	9.0	9.1	9.1	9.0	0.1
30	9.1	9.1	9.1	9.4	0.3
31	9.4	9.5	9.6	9.5	0.2
32	9.9	10.0	9.9	10.0	0.1
33	9.1	8.9	8.8	8.9	0.3
34	8.7	9.0	9.1	8.9	0.4
35	8.9	8.9	8.9	9.2	0.3
36	9.0	9.0	8.9	8.9	0.1
37	9.0	9.1	9.0	9.0	0.1
38	8.9	8.9	9.1	9.1	0.2
39	9.9	9.8	9.8	10.0	0.2
40	9.9	9.6	9.9	9.8	0.3
41	10.2	10.5	10.3	10.3	0.3
42	10.0	10.1	10.1	10.1	0.1
43	10.3	10.4	10.6	10.6	0.3
44	10.6	10.5	10.8	10.6	0.3
45	8.8	8.8	8.8	8.8	0.0



SAMPLE
 Wavetek Inc
 5808 Churchman Bypass
 Indianapolis, IN
 46203
 317-788-9351

This is a sample report.
 This area is for your custom header.

Model: 4040
 Operator: ?
 Date: 02/06/01 Time: 06:06:01
 Description:

Serial #: 7143186
 File: TP#TEST1

Cal Date: 03/20/00
 DOS File: TP#TEST1

Date:	#1	#2	#3	#4	
Time:	02/06/01	02/06/01	02/06/01	02/06/01	
Temp:	06:06:01	12:02:33	18:11:24	23:56:19	
Channel	-1.7 C	0.0 C	-0.6 C	-1.7 C	
	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	Video Lvl(dBmV)	24Hr Deviation(dB)
46	10.7	10.7	10.6	10.5	0.2
47	10.4	10.4	10.4	10.5	0.1
48	10.3	10.5	10.4	10.3	0.2
49	10.6	10.4	10.7	10.7	0.3
50	11.5	11.6	11.8	11.9	0.4
51	11.3	11.6	11.9	11.5	0.6
52	9.9	10.4	10.1	10.1	0.5
53	12.1	12.5	12.1	12.4	0.4
54	10.1	10.4	10.4	8.9	1.5
55	13.2	13.3	13.6	13.2	0.4
56	11.8	11.9	11.9	11.9	0.1
57	11.1	10.9	11.0	10.9	0.2
58	11.9	11.8	11.7	11.8	0.2
59	11.0	11.0	10.6	10.8	0.4
60	12.0	12.0	11.6	12.1	0.5
61	12.5	12.2	12.4	12.7	0.5
62	13.7	13.1	13.1	13.1	0.6
63	13.2	13.3	13.4	13.3	0.2
64	11.2	11.3	11.2	11.4	0.2
65	12.2	12.2	12.2	12.1	0.1
66	11.6	11.4	11.4	11.5	0.2
67	11.5	11.5	11.4	11.5	0.1
68	11.4	11.4	11.3	11.3	0.1
69	10.5	10.5	10.5	10.6	0.1
70	12.9	12.5	12.6	12.5	0.4
71	11.3	11.4	11.5	11.2	0.3
72	12.8	12.7	12.7	12.7	0.1
73	13.6	13.6	13.2	13.3	0.4
74	12.6	12.6	12.8	12.6	0.2
75	12.6	12.3	12.3	12.1	0.5
76	12.4	12.6	12.4	12.5	0.2
77	12.7	12.4	12.4	12.4	0.3
78	12.9	12.8	12.8	12.8	0.1
95	8.2	8.2	8.2	8.3	0.1
96	8.4	7.4	8.1	7.7	1.0
99	7.3	7.3	7.5	7.4	0.2

LIMIT CHECK	Limit	1	2	3	4	
Min Video Carrier Level	..					Pass
Max Delta Video Level	..					Pass
Min Delta V/A	..					Pass
Max Delta V/A	..					Pass
Max Delta Adjacent Chan	..					Pass
Max 24 Hour Devlation	..					Pass
Min Digital Level	..					Pass
Max Digital Level	..					Pass
Conclusion:						P A S S

Reviewed: _____

Date: _____

	Visual Carrier Lev (dBmV)	Visual Carrier Freq (MHz)	Aural Carrier Lev (dBc)	Aural Frequency Offset (MHz)	2nd Aural Carrier Lev (dBc)	2nd Aural Frequency Offset (MHz)	Average Power (dBmV)
2 61.25	20.2	61.279349	-11.5	4.499981			
99-A1 61.25	24.3	61.301972	-15.9	4.499998			
21-H 61.25	21.6	61.276491	-16.3 *	4.500015			
8 61.25	21.9	61.275096	-16.4 *	4.500007			
23-J 61.25	21.8	61.274164	-16 *	4.500031			
32-S+ 61.25	22.3	61.284428	-15.4	4.500003			
47-KK+ 61.25	22.4	61.281512	-15.7	4.500039			
58-VV 61.25	22.7	61.269646	-15.5	4.500046			
75 61.25	17.7	61.266597	-17.3 **	4.500032			

	Carrier to Noise (dB)	Desired to Undesired (dB)	CSO (dBc)	CTB (dBc)	Cross Modulation (dBc)	Adjacent Channel Lkg. (dBc)	In-Channel Response (dB)
2 61.25	48.3		-67.5	-69.8	-48		.8
99-A1 61.25	51.2		-68.1	-71.5	-48		.7
21-H 61.25	48.2		-68.7	-69.4	-48		.7
8 61.25	48.2		-66.8	-69.1	-48		1
23-J 61.25	48.3		-67.4	-68.3	-48		.6
32-S+ 61.25	49.3		-52.3	-68.8	-48		.8
47-KK+ 61.25	49		-65	-67.2	-48		.6
58-VV 61.25	48.9		-52.6	-67	-48		.6
75 61.25	53.9		-58	-67.9	-48		.6

	HUM/LFD (%)
2 61.25	1.2
99-A1 61.25	.6
21-H 61.25	.8
8 61.25	.9
23-J 61.25	.8
32-S+ 61.25	.8
47-KK+ 61.25	.6
58-VV 61.25	.6
75 61.25	.7

LIST OF TRAPS USED IN ALEXANDRIA SYSTEM(old&new)

Manufacturer: PPC

trap value	effected channel or station
A1-1 or 99	MTV ch-1 or 99
AA-37	Showtime ch-37
EE-41	Request 2 ch-41
I-22.E/F.M.	Basic limited Fort Mver
LL-48	PPV PREVIEW ch-48
P-29	Comedy Central ch-29
R-31	Cinemax ch-31

Manufacturer: EAGLE

trap value	effected channel or station
A-14	ch-14 independent
BB-38	HTS ch 38
CC-39	Request 1 ch-39
HH-44	Family channel ch-44
I-22	Basic limited
JJ-46	Video Hits 1 ch-46
KK-47	B.E.T. CH-47
LP-13	old basic limited (not used)
NN-50	Nickelodeon ch-50
PPP-78	Playboy ch-78
Q-30	Spice ch-30
W-36	HBO ch-36

Manufacturer: ARCOM

trap value	effected channel or station
A1-1 99	MTV ch-99
S-32	TNT ch-32

ESN* Single Channel Negative Traps

Typical Response

Model	Channel	Notch Depth	L.A.S.	Upper Video	High Frequency Loss	
ESN-A-Z	A-2	38	-75 dB	-3.2 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-A-1	A-1	39	-75 dB	-3.5 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-A	A	14	-75 dB	-3.7 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-B	B	15	-75 dB	-4.0 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-C	C	16	-75 dB	-4.3 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-D	D	17	-75 dB	-4.6 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-E	E	18	-75 dB	-4.8 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-F	F	19	-75 dB	-5.1 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-G	G	20	-75 dB	-5.4 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-H	H	21	-75 dB	-5.6 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-I	I	22	-75 dB	-5.9 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-7	7	7	-75 dB	-6.1 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-8	8	8	-75 dB	-6.3 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-9	9	9	-75 dB	-6.5 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-10	10	10	-75 dB	-6.6 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-11	11	11	-75 dB	-6.8 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-12	12	12	-75 dB	-7.0 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-13	13	13	-75 dB	-7.2 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-J	J	23	-70 dB	-7.4 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-K	K	24	-70 dB	-7.6 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-L	L	25	-70 dB	-7.8 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-M	M	26	-70 dB	-8.1 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-N	N	27	-70 dB	-8.2 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-O	O	28	-70 dB	-8.4 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-P	P	29	-70 dB	-8.7 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-Q	Q	30	-70 dB	-9.0 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-R	R	31	-70 dB	-9.3 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-S	S	32	-70 dB	-9.6 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-T	T	33	-70 dB	-9.9 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-U	U	34	-70 dB	-10.1 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-V	V	35	-70 dB	-10.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-W	W	36	-70 dB	-10.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-AA	AA	37	-70 dB	-10.6 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-BB	BB	38	-70 dB	-10.8 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-CC	CC	39	-70 dB	-11.0 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-DD	DD	40	-70 dB	-11.2 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-EE	EE	41	-70 dB	-11.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-FF	FF	42	-70 dB	-11.4 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-GG	GG	43	-70 dB	-11.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-HH	HH	44	-70 dB	-11.7 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-II	II	45	-70 dB	-12.0 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-JJ	JJ	46	-70 dB	-12.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-KK	KK	47	-70 dB	-12.6 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-LL	LL	48	-70 dB	-12.9 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-MM	MM	49	-70 dB	-13.2 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-NN	NN	50	-70 dB	-13.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-OO	OO	51	-70 dB	-13.8 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-PP	PP	52	-70 dB	-14.1 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-QQ	QQ	53	-70 dB	-14.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-RR	RR	54	-70 dB	-14.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-SS	SS	55	-70 dB	-14.8 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-TT	TT	56	-70 dB	-14.9 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-UU	UU	57	-70 dB	-15.1 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-VV	VV	58	-70 dB	-15.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-WW	WW	59	-70 dB	-15.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-XX	XX	60	-70 dB	-15.7 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-YY	YY	61	-70 dB	-15.9 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-ZZ	ZZ	62	-70 dB	-16.1 dB	-1.8 dB	-2.0 dB @ 1 GHz

*Patents #5148133, 5168251

Trap: Length is 3.56" / Diameter .825 / Specifications subject to change without notice



Corporate Headquarters: 4562 Waterhouse Road, Clay, NY 13041
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 Eagle Web Site: <http://www.eaglefilters.com>

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Canada: Antec Corp., Telephone: 1-800-665-1482 Fax: (905) 507-6496
 Distribution: Argentina, Belgium, Brazil, Canada, Chile, Denmark, Egypt, France, Germany, Israel, Italy, Korea, Mexico, Norway, Poland, Portugal, Romania, South Africa, Spain, Sweden, Taiwan, Turkey, UK, and Venezuela. Call for any additional information.

ETN* MICRO-SERIES Single Channel Negative Traps

Typical Response

MODEL	CHANNEL	NOTCH-DEPTH	L.A.S.	UPPER VIDEO	HIGH FREQUENCY LOSS	
ETN-2*	2	2	-75 dB	-2.0 dB	-0.5 dB	-2.5dB @ 800 MHz
ETN-3	3	3	-75 dB	-2.5 dB	-0.5 dB	-2.5dB @ 860 MHz
ETN-4	4	4	-75 dB	-2.5 dB	-0.5 dB	-2.5dB @ 860 MHz
ETN-5	5	5	-75 dB	-3.0 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-6	6	6	-75 dB	-3.5 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-A-2	A-2	98	-75 dB	-1.0 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-A-1	A-1	99	-75 dB	-5.5 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-A	A	14	-75 dB	-5.8 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-B	B	15	-75 dB	-5.8 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-C	C	16	-75 dB	-5.8 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-D	D	17	-75 dB	-6.0 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-E	E	18	-75 dB	-6.2 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-F	F	19	-75 dB	-6.5 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-G	G	20	-75 dB	-6.8 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-H	H	21	-75 dB	-7.0 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-I	I	22	-75 dB	-7.2 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-7	7	7	-75 dB	-7.5 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-8	8	8	-75 dB	-8.0 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-9	9	9	-75 dB	-8.2 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-10	10	10	-75 dB	-9.0 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-11	11	11	-75 dB	-9.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-12	12	12	-75 dB	-10.0 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-13	13	13	-75 dB	-10.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-J	J	23	-70 dB	-11.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-K	K	24	-70 dB	-12.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-L	L	25	-70 dB	-13.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-M	M	26	-70 dB	-14.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-N	N	27	-70 dB	-15.0 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-O	O	28	-70 dB	-15.5 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-P	P	29	-70 dB	-16.0 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-Q	Q	30	-70 dB	-16.5 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-R	R	31	-70 dB	-17.0 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-S	S	32	-70 dB	-17.5 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-T	T	33	-70 dB	-18.5 dB	-2.5 dB	-2.5dB @ 860 MHz
ETN-U	U	34	-70 dB	-20.0 dB	-2.5 dB	-2.5dB @ 860 MHz
ETN-V	V	35	-70 dB	-21.5 dB	-2.5 dB	-2.5dB @ 860 MHz
ETN-W**	W	36	-70 dB	-23.0 dB	-2.5 dB	-2.5dB @ 860 MHz

* Patents #4451803, 5202656 **Higher channels available upon request.

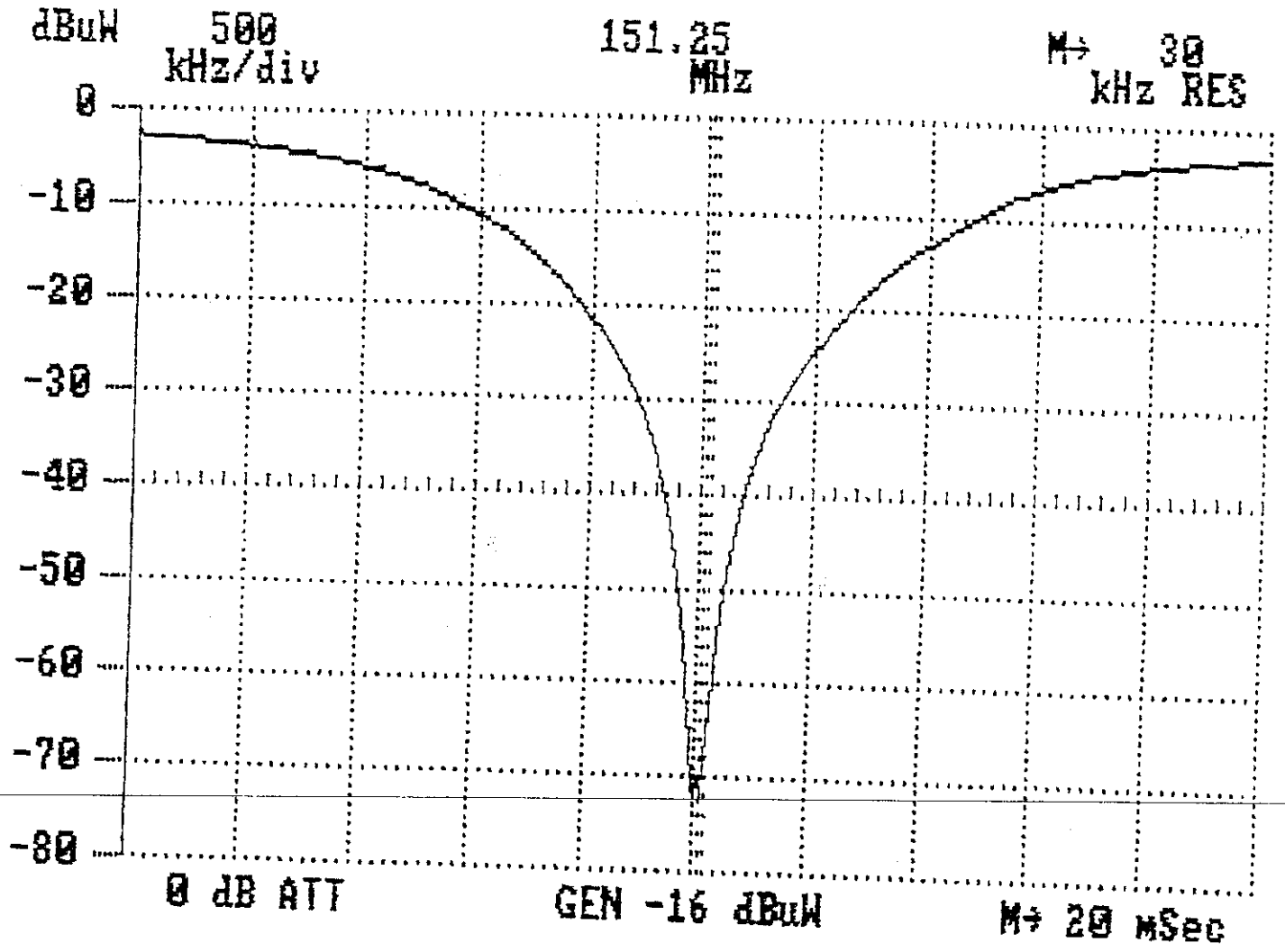


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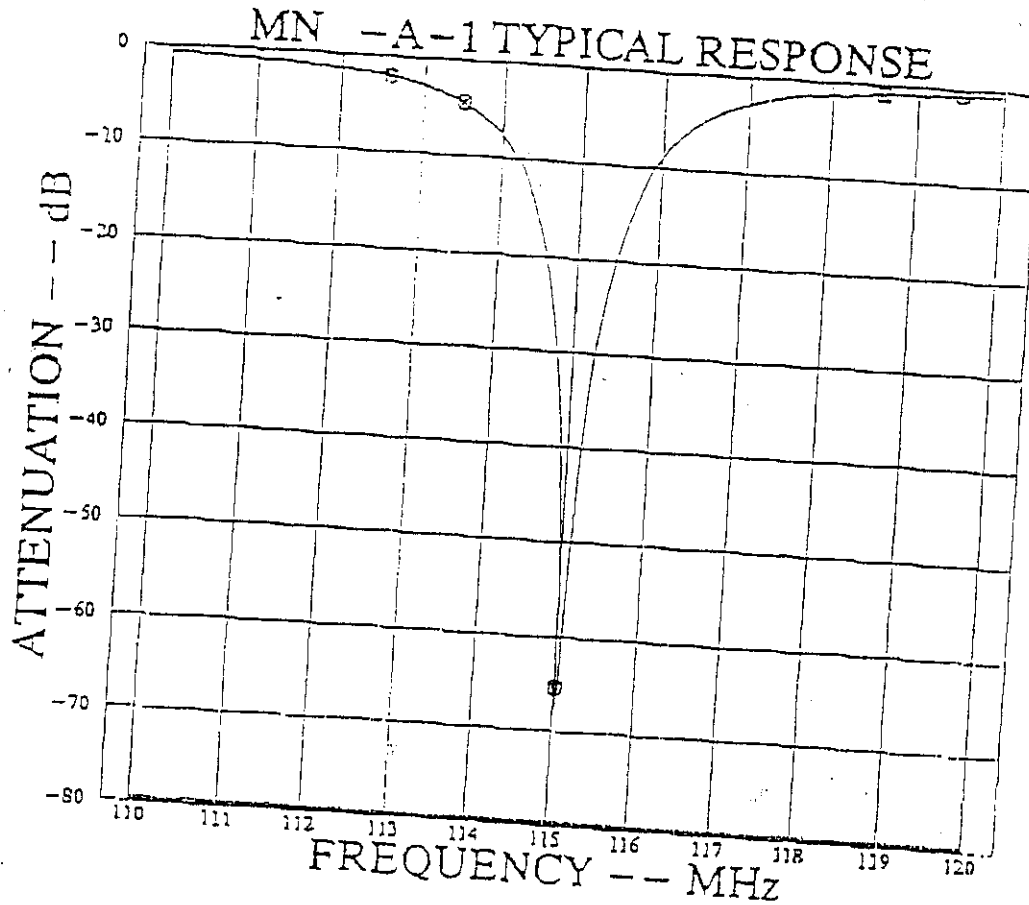
ARCOM LABS, INC

MN-F



Waveform File: MN-F.wav
 DATE : 07-19-91 TIME : 10:55 AM
 MAX ATTN -69.8 dB DEV+0.01MHz
 50 dB Bandwidth: .218 MHz

Center RF Level -69.8 dB
 Center -2.25 MHz -2.8 dB
 Center -1.50 MHz -5.5 dB
 Center +1.33 MHz -8.0 dB
 Center -6.0 MHz +0.0 dB
 Center +6.0 MHz +0.0 dB
 Video Filter: None



DATE: 03/25/54
 TIME: 10:48 AM

ATTN: KEVIN GOODMAN

REFERENCE DATA FROM
 IFR A-7550 ANALYZER

NOMINAL
 PRODUCTION
 LIMITS
 =====

FROM: MIKE WOJAK

2 PAGES

top	0 dB	
attn	0 dB	
cent freq	115.3 MHz	
scanw	1.0 MHz	
fmax	120.3 MHz	
offset	0 dB	
112.83	-2.0 dB Color	-2.6 max
113.75	-4.5 dB Sound	-5.5 max
115.25	-65.4 dB Notch	-60 min
118.83	-1.0 dB Color	-1.5 max
119.75	-0.7 dB Sound	-1.1 max

SPECIFICATIONS: 5-600 MHz

Model No.	Nominal Tap Value	INSERTION LOSS (dB)										TAP TO OUTPUT ISOLATION, NOMINAL		
		5 MHz		50 MHz		300 MHz		450 MHz		600 MHz		10-50 MHz	50-450 MHz	450-600 MHz
		Nom.	Max.	Nom.	Max.	Nom.	Max.	Nom.	Max.	Nom.	Max.			
FT-2														
FT2-4TH	4.3	—	—	—	—	—	—	—	—	—	—	—	—	—
FT2-7H	7.5	4.0	4.2	3.4	3.6	3.7	3.9	4.0	4.2	4.4	4.7	—	—	—
FT2-10H	10.5	1.3	2.0	1.8	2.0	1.9	2.1	2.2	2.4	2.5	2.7	23	23	25
FT2-12H	12.0	1.2	1.4	1.2	1.4	1.3	1.5	1.5	1.7	1.8	2.0	25	25	25
FT2-14H	14.0	.7	.9	.6	.8	.7	.9	.9	1.1	1.1	1.3	30	30	25
FT2-17H	17.0	.6	.8	.6	.7	.5	.7	.6	.8	.8	1.2	30	35	30
FT2-20H	20.0	.7	1.0	.5	.6	.5	.7	.6	.8	.8	1.2	35	35	35
FT2-23H	23.0	.5	.6	.3	.4	.4	.5	.6	.7	.7	1.1	40	40	40
FT2-26H	26.0	.5	.6	.3	.4	.4	.5	.5	.7	.6	.8	40	40	40
FT2-29H	29.0	.7	1.0	.5	.6	.5	.6	.6	.7	.6	.8	45	50	45
FT2-32H	32.0	.7	1.0	.5	.6	.5	.6	.6	.7	.7	.8	50	50	45
FT2-35H	35.0	.7	1.0	.5	.6	.5	.6	.6	.7	.7	.8	50	50	50
FT-4														
FT4-7TH	6.8	—	—	—	—	—	—	—	—	—	—	—	—	—
FT4-10H	10.3	4.0	4.2	3.3	3.5	3.8	4.1	4.2	4.4	4.6	4.8	—	—	—
FT4-14H	14.4	1.4	1.6	1.3	1.5	1.5	1.8	1.7	1.9	2.2	2.4	25	30	25
FT4-15.5H	15.3	1.3	1.5	1.1	1.3	1.3	1.5	1.5	1.7	1.9	2.0	30	30	25
FT4-17H	17.0	.9	1.1	.7	.9	.8	1.0	.9	1.1	1.1	1.3	30	30	25
FT4-20H	20.0	.8	1.0	.6	.8	.7	.9	.7	.9	.8	1.1	30	30	30
FT4-23H	23.0	.7	1.0	.5	.6	.5	.6	.6	.8	.7	1.0	35	35	35
FT4-26H	26.0	.5	.6	.3	.4	.4	.5	.6	.7	.7	1.0	40	40	40
FT4-29H	29.0	.5	.6	.3	.4	.4	.5	.5	.7	.6	.8	40	45	40
FT4-32H	32.0	.7	1.0	.5	.6	.5	.6	.6	.7	.6	.8	45	45	45
FT4-35H	35.0	.7	1.0	.5	.6	.5	.6	.6	.7	.7	.8	50	50	45
T-8														
T8-10TH	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—
T8-14H	14.2	4.7	5.0	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.7	—	—	—
T8-17H	17.8	1.3	1.5	1.3	1.5	1.4	1.6	1.6	1.8	2.0	2.5	26	32	25
T8-20H	20.0	.9	1.0	.7	.9	.8	1.0	1.0	1.2	1.3	1.5	28	36	30
T8-23H	22.5	.8	1.0	.7	.9	.7	.9	.8	1.0	1.1	1.3	40	40	35
T8-26H	26.1	.8	1.0	.5	.6	.5	.6	.6	.8	.7	1.0	40	40	35
T8-29H	29.2	.8	1.0	.5	.6	.5	.6	.6	.8	.7	1.0	50	45	40
T8-32H	32.2	.8	1.0	.5	.6	.5	.6	.6	.8	.7	1.0	50	45	40
T8-35H	35.0	.8	1.0	.5	.6	.5	.6	.6	.8	.7	1.0	50	45	40

Tap Isolation

5 MHz 20 dB minimum
100 MHz 25 dB minimum

Return Loss (Taps)

15-30 MHz 16 dB minimum
30-450 MHz 20 dB minimum
450-600 MHz 16 dB minimum

Hum Modulation

at 7 amps, 60 volts
square wave supply
-70 dB below signal

Net Weight

1 lb.

Isolation (In, Out)

18 dB minimum
5 MHz 20 dB minimum
100 MHz 18 dB minimum

Current Capacity

7 amps continuous

External Dimensions

4" W x 2 1/4" H x 5 1/2" L

Specifications subject to change without notice.

LIST OF TRAPS USED IN ALEXANDRIA SYSTEM(old&new)

Manufacturer: PPC

trap value	effected channel or station
A1-1 or 99	MTV ch-1 or 99
AA-37	Showtime ch-37
EE-41	Request 2 ch-41
I-22.E/F.M.	Basic limited Fort Mver
LL-48	PPV PREVIEW ch-48
P-29	Comedy Central ch-29
R-31	Cinemax ch-31

Manufacturer: EAGLE

trap value	effected channel or station
A-14	ch-14 independent
BB-38	HTS ch 38
CC-39	Request 1 ch-39
HH-44	Family channel ch-44
I-22	Basic limited
JJ-46	Video Hits 1 ch-46
KK-47	B.E.T. CH-47
LP-13	old basic limited (not used)
NN-50	Nickelodeon ch-50
PPP-78	Playboy ch-78
O-30	Spice ch-30
W-36	HBO ch-36

Manufacturer: ARCOM

trap value	effected channel or station
A1-1 99	MTV ch-99
S-32	TNT ch-32

ESN* Single Channel Negative Traps

Typical Response

Model	Channel	Notch Depth	L.A.S.	Upper Video	High Frequency Loss	
ESN-A-Z	A-2	98	-75 dB	-3.2 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-A-1	A-1	99	-75 dB	-3.5 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-A	A	14	-75 dB	-3.7 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-B	B	15	-75 dB	-4.0 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-C	C	16	-75 dB	-4.3 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-D	D	17	-75 dB	-4.6 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-E	E	18	-75 dB	-4.3 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-F	F	19	-75 dB	-5.1 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-G	G	20	-75 dB	-5.4 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-H	H	21	-75 dB	-5.6 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-I	I	22	-75 dB	-5.9 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-7	7	7	-75 dB	-6.1 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-8	8	8	-75 dB	-6.3 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-9	9	9	-75 dB	-6.5 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-10	10	10	-75 dB	-6.6 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-11	11	11	-75 dB	-6.8 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-12	12	12	-75 dB	-7.0 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-13	13	13	-75 dB	-7.2 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-J	J	23	-70 dB	-7.4 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-K	K	24	-70 dB	-7.6 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-L	L	25	-70 dB	-7.8 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-M	M	26	-70 dB	-8.1 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-N	N	27	-70 dB	-8.2 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-O	O	28	-70 dB	-8.4 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-P	P	29	-70 dB	-8.7 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-Q	Q	30	-70 dB	-9.0 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-R	R	31	-70 dB	-9.3 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-S	S	32	-70 dB	-9.6 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-T	T	33	-70 dB	-9.9 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-U	U	34	-70 dB	-10.1 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-V	V	35	-70 dB	-10.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-W	W	36	-70 dB	-10.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-AA	AA	37	-70 dB	-10.6 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-BB	BB	38	-70 dB	-10.8 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-CC	CC	39	-70 dB	-11.0 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-DD	DD	40	-70 dB	-11.2 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-EE	EE	41	-70 dB	-11.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-FF	FF	42	-70 dB	-11.4 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-GG	GG	43	-70 dB	-11.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-HH	HH	44	-70 dB	-11.7 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-II	II	45	-70 dB	-12.0 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-JJ	JJ	46	-70 dB	-12.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-KK	KK	47	-70 dB	-12.6 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-LL	LL	48	-70 dB	-12.9 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-MM	MM	49	-70 dB	-13.2 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-NN	NN	50	-70 dB	-13.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-OO	OO	51	-70 dB	-13.8 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-PP	PP	52	-70 dB	-14.1 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-QQ	QQ	53	-70 dB	-14.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-RR	RR	54	-70 dB	-14.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-SS	SS	55	-70 dB	-14.8 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-TT	TT	56	-70 dB	-14.9 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-UU	UU	57	-70 dB	-15.1 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-VV	VV	58	-70 dB	-15.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-WW	WW	59	-70 dB	-15.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-XX	XX	60	-70 dB	-15.7 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-YY	YY	61	-70 dB	-15.9 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-ZZ	ZZ	62	-70 dB	-16.1 dB	-1.8 dB	-2.0 dB @ 1 GHz

*Patents #5148133, 5168251

Trap: Length is 3.56" / Diameter .825 / Specifications subject to change without notice



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ETN* MICRO-SERIES Single Channel Negative Traps

Typical Response

MODEL	CHANNEL	NOTCH-DEPTH	L.A.S.	UPPER VIDEO	HIGH FREQUENCY LOSS	
ETN-2*	2	2	-75 dB	-2.0 dB	-0.5 dB	-2.5dB @ 800 MHz
ETN-3	3	3	-75 dB	-2.5 dB	-0.5 dB	-2.5dB @ 860 MHz
ETN-4	4	4	-75 dB	-2.5 dB	-0.5 dB	-2.5dB @ 860 MHz
ETN-5	5	5	-75 dB	-0.5 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-6	6	6	-75 dB	-3.5 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-A-2	A-2	98	-75 dB	-1.0 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-A-1	A-1	99	-75 dB	-5.5 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-A	A	14	-75 dB	-5.8 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-B	B	15	-75 dB	-5.8 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-C	C	16	-75 dB	-5.8 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-D	D	17	-75 dB	-6.0 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-E	E	18	-75 dB	-6.2 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-F	F	19	-75 dB	-6.5 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-G	G	20	-75 dB	-6.8 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-H	H	21	-75 dB	-7.0 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-I	I	22	-75 dB	-7.2 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-7	7	7	-75 dB	-7.5 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-8	8	8	-75 dB	-8.0 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-9	9	9	-75 dB	-8.2 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-10	10	10	-75 dB	-9.0 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-11	11	11	-75 dB	-9.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-12	12	12	-75 dB	-10.0 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-13	13	13	-75 dB	-10.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-J	J	23	-70 dB	-11.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-K	K	24	-70 dB	-12.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-L	L	25	-70 dB	-13.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-M	M	26	-70 dB	-14.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-N	N	27	-70 dB	-15.0 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-O	O	28	-70 dB	-15.5 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-P	P	29	-70 dB	-16.0 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-Q	Q	30	-70 dB	-16.5 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-R	R	31	-70 dB	-17.0 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-S	S	32	-70 dB	-17.5 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-T	T	33	-70 dB	-18.5 dB	-2.5 dB	-2.5dB @ 860 MHz
ETN-U	U	34	-70 dB	-20.0 dB	-2.5 dB	-2.5dB @ 860 MHz
ETN-V	V	35	-70 dB	-21.5 dB	-2.5 dB	-2.5dB @ 860 MHz
ETN-W**	W	36	-70 dB	-23.0 dB	-2.5 dB	-2.5dB @ 860 MHz

* Patents #4451803, 5202656 **Higher channels available upon request.

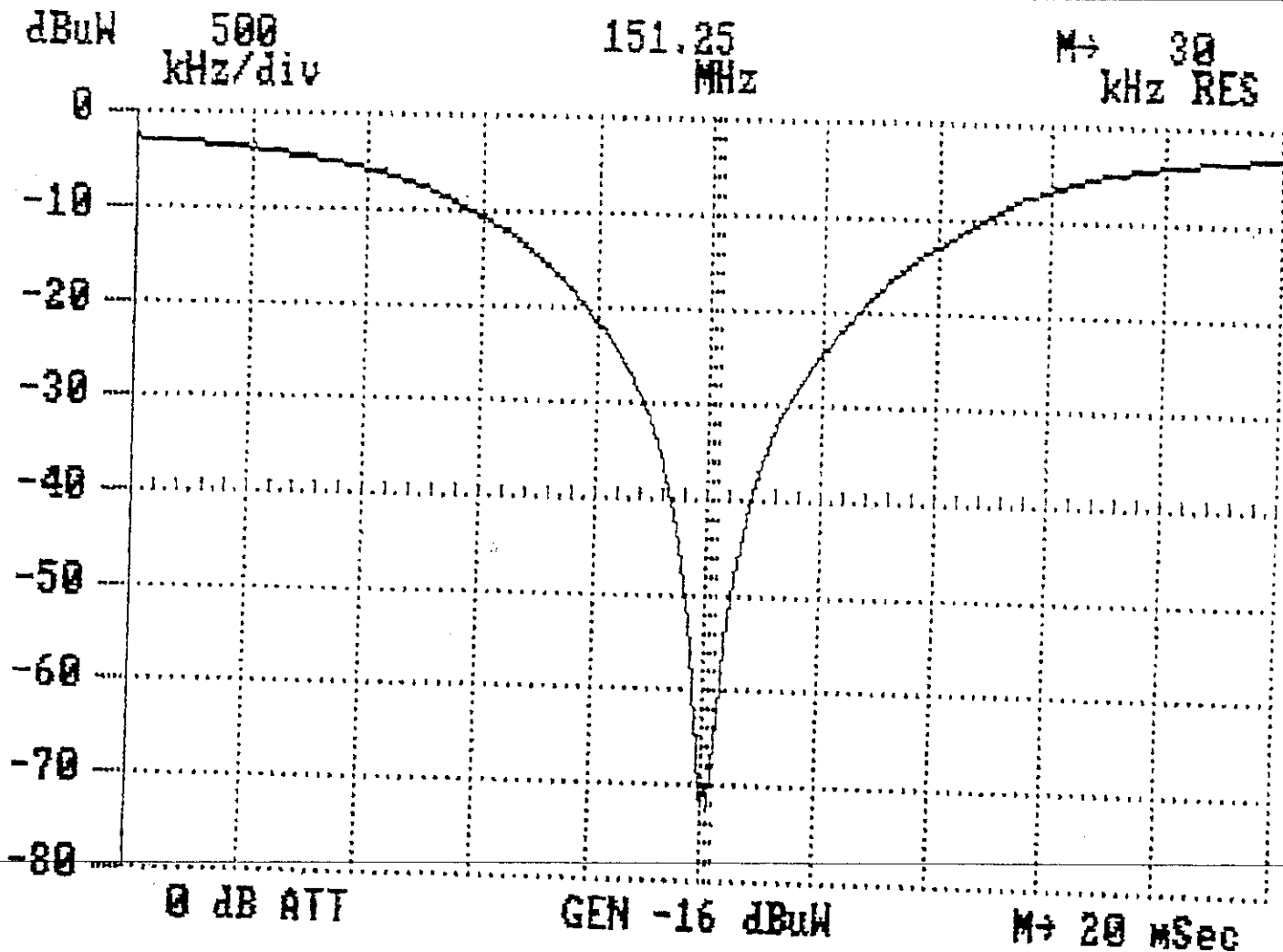


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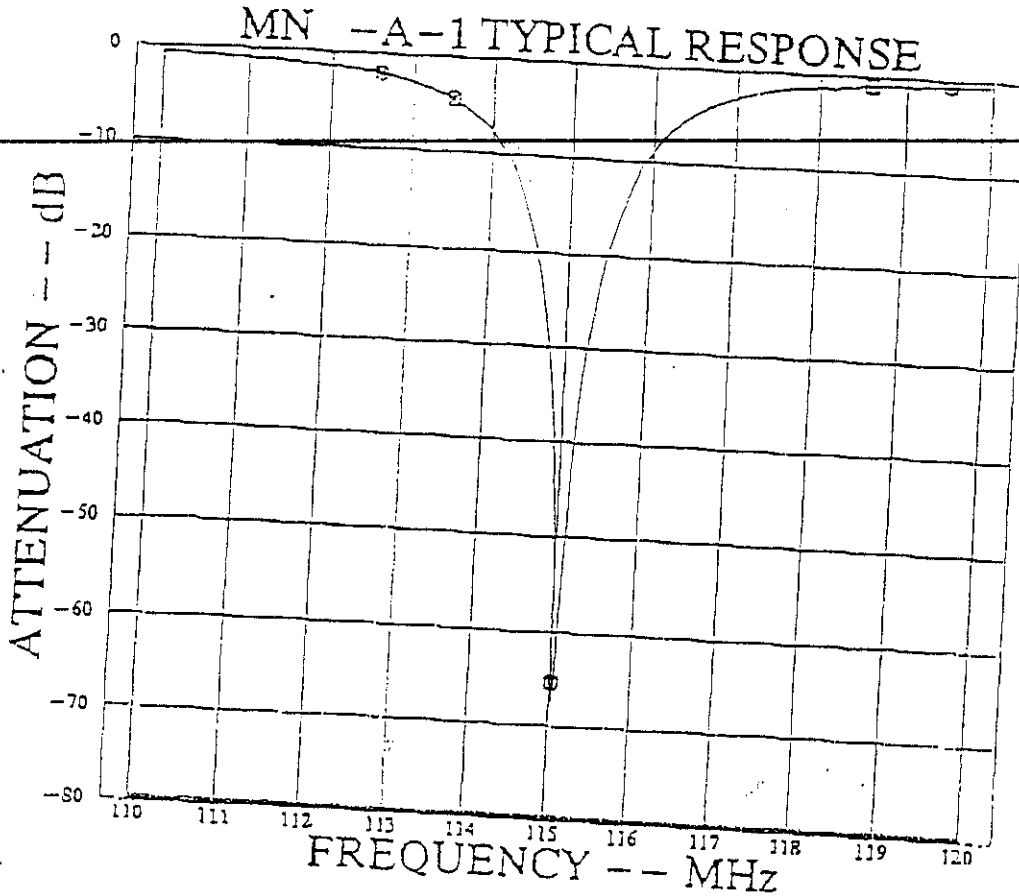
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ARCOM LABS, INC

MN-F



Waveform File: MN-F.wav
DATE : 07-19-91 TIME : 10:55 AM
MAX ATTN -69.8 dB DEV+0.01MHz
50 dB Bandwidth: .218 MHz
Center RF Level -69.8 dB
Center -2.25 MHz -2.8 dB
Center -1.50 MHz -5.5 dB
Center +1.33 MHz -8.0 dB
Center -6.0 MHz +0.0 dB
Center +6.0 MHz +0.0 dB
Video Filter: None



DATE: 03/25/94
 TIME: 10:48 AM

ATTN: KEVIN GOODMAN

REFERENCE DATA FROM
 IFR A-7550 ANALYZER

NOMINAL
 PRODUCTION
 LIMITS

FROM: MILO WOSTAK

2 PAGES

top	0 dB	
atn	0 dB	
cent freq	115.3 MHz	
scanw	1.0 MHz	
fmax	120.3 MHz	
offset:	0 dB	
112.83	-2.0 dB Color	-2.6 max
113.75	-4.5 dB Sound	-5.5 max
115.25	-65.4 dB Notch	-60 min
118.83	-1.0 dB Color	-1.5 max
119.75	-0.7 dB Sound	-1.1 max

SPECIFICATIONS: 5-600 MHz

Model No.	Nominal Tap Value	INSERTION LOSS (dB)										TAP TO OUTPUT ISOLATION, NOMINAL		
		5 MHz		50 MHz		300 MHz		450 MHz		600 MHz		10-50 MHz	50-450 MHz	450-600 MHz
		Nom.	Max.	Nom.	Max.	Nom.	Max.	Nom.	Max.	Nom.	Max.			
FT-2														
FT2-4TH	4.3	—	—	—	—	—	—	—	—	—	—	—	—	—
FT2-7H	7.5	4.0	4.2	3.4	3.5	3.7	3.9	4.0	4.2	4.4	4.7	—	—	—
FT2-10H	10.5	1.3	2.0	1.3	2.0	1.9	2.1	2.2	2.4	2.5	2.7	23	23	25
FT2-12H	12.0	1.2	1.4	1.2	1.4	1.3	1.5	1.5	1.7	1.8	2.0	25	25	25
FT2-14H	14.0	.7	.9	.6	.8	.7	.9	.9	1.1	1.1	1.3	30	30	25
FT2-17H	17.0	.6	.8	.6	.7	.5	.7	.6	.8	.8	1.2	30	35	30
FT2-20H	20.0	.7	1.0	.5	.6	.5	.6	.6	.7	.7	1.1	35	35	35
FT2-23H	23.0	.5	.6	.3	.4	.4	.5	.5	.7	.7	1.1	40	40	40
FT2-26H	26.0	.5	.6	.3	.4	.4	.5	.5	.7	.6	.8	40	40	40
FT2-29H	29.0	.7	1.0	.5	.6	.5	.6	.6	.7	.7	.8	45	50	45
FT2-32H	32.0	.7	1.0	.5	.6	.5	.6	.6	.7	.7	.8	50	50	45
FT2-35H	35.0	.7	1.0	.5	.6	.5	.6	.6	.7	.7	.8	50	50	50
FT-4														
FT4-7TH	6.8	—	—	—	—	—	—	—	—	—	—	—	—	—
FT4-10H	10.3	4.0	4.2	3.3	3.5	3.8	4.1	4.2	4.4	4.6	4.8	—	—	—
FT4-14H	14.4	1.4	1.5	1.3	1.5	1.5	1.8	1.7	1.9	2.2	2.4	25	30	25
FT4-15.5H	15.3	1.3	1.5	1.1	1.3	1.3	1.5	1.5	1.7	1.9	2.0	30	30	25
FT4-17H	17.0	.9	1.1	.7	.9	.8	1.0	.9	1.1	1.1	1.3	30	30	25
FT4-20H	20.0	.8	1.0	.6	.8	.7	.9	.7	.9	.8	1.1	30	30	30
FT4-23H	23.0	.7	1.0	.5	.6	.5	.6	.6	.8	.7	1.0	35	35	35
FT4-26H	26.0	.5	.6	.3	.4	.4	.5	.5	.7	.6	.8	40	40	40
FT4-29H	29.0	.5	.6	.3	.4	.4	.5	.5	.7	.6	.8	40	45	40
FT4-32H	32.0	.7	1.0	.5	.6	.5	.6	.6	.7	.7	.8	45	45	45
FT4-35H	35.0	.7	1.0	.5	.6	.5	.6	.6	.7	.7	.8	50	50	45
T-8														
T8-10TH	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—
T8-14H	14.2	4.7	5.0	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.7	—	—	—
T8-17H	17.8	1.3	1.5	1.3	1.5	1.4	1.6	1.6	1.8	2.0	2.5	26	32	26
T8-20H	20.0	.9	1.0	.7	.9	.8	1.0	1.0	1.2	1.3	1.5	28	36	30
T8-23H	22.5	.8	1.0	.7	.9	.7	.9	.8	1.0	1.1	1.3	40	40	36
T8-26H	25.1	.8	1.0	.5	.6	.5	.6	.6	.8	.7	1.0	40	40	35
T8-29H	29.2	.8	1.0	.5	.6	.5	.6	.6	.8	.7	1.0	50	45	40
T8-32H	32.2	.8	1.0	.5	.6	.5	.6	.6	.8	.7	1.0	50	45	40
T8-35H	35.0	.8	1.0	.5	.6	.5	.6	.6	.8	.7	1.0	50	45	40

to-Tap Isolation
 5 MHz 20 dB minimum
 600 MHz 25 dB minimum

Return Loss (Taps)
 15-30 MHz 16 dB minimum
 30-450 MHz 20 dB minimum
 450-600 MHz 16 dB minimum

Hum Modulation
 at 7 amps, 60 volts
 square wave supply
 -70 dB below signal

Net Weight
 1 lb.

Insertion Loss (In, Out)
 5 MHz 18 dB minimum
 10 MHz 20 dB minimum
 600 MHz 18 dB minimum

Current Capacity
 7 amps continuous

External Dimensions
 4" W x 2 1/4" H x 5 1/2" L

Specifications subject to change without notice.

280

ALEXANDRIA VA
FLY-OVER
REPORT

Martech Engineering
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SUMMARY

A fly-over test for the **ALEXANDRIA VA** system was performed on **June 20, 2001**. This test was performed to evaluate the system on the basis of signal leakage in the aeronautical band (108-137 MHz) as required by the F.C.C.(frequencies outside range will receive correction factor, See Procedure 2A), and to determine the location and levels of any non-complying leaks (leaks in excess of 10 uV/m at 1500 feet). A description of the procedure, exhibits C and D, a list of relative high readings, and a plotted map showing the system boundary, flight pattern and locations of relative high readings are included. Listed below are the results.

- | | |
|--|-----------------|
| 1) Generator level input into calibration antenna: | 6.55 millivolts |
| 2) Receiver adjustment to force a 10 uV/m reading: | 3 dB |
| 3) Measure signal level of peak video carrier in aeronautical band at test point, and set generator level one dB higher. | |
| 4) Number of sample points: | 336 |
| 5) Number of points > 10 uV/m: | 3 |
| 6) Minimum leakage: | 0.29 uV/m |
| 7) Maximum leakage: | 20.11 uV/m |
| 8) Average field intensity: | 3.85 uV/m |
| 9) Percentage of points < 10 uV/m | 99.10 % |

System has **PASSED** F.C.C. requirements

PROCEDURE

- 1) Determine system boundaries and correlate to Topo map using either a 7.5' or a 1:100,000 scale print.
- 2) Determine proper channel and time for testing, using a modulated carrier between 108 and 137 Mhz.

Date: 6/20/01

Time: 12:55 AM

frequency: 136.8125 Mhz

- 2A) Correction factor:

Frequencies above 137: (Data Sample) + 20*log(f/137)

Frequencies below 108: (Data Sample) + 20*log(f/108)

- 3) Establish signal generator input levels which will be used to calibrate Wavetek receiver. If calibration graph is not provided with the report, the calibration was performed at 3 feet on the ground. If calibration graph is provided with the report, the calibration was performed at 1500 feet agl.

10 uV/m field (at 3 or 1500 feet & 136.8125 MHz)

Convert uV/m to dBmV:

$$\text{dBmV} = 20 \cdot \log(E) - 20 \cdot \log(20.7 \cdot f)$$

E= uV/m at 3 or 1500 feet and f= frequency in MHz

$$= 20 - 20 \cdot \log(20.7 \cdot 136.8125)$$

$$= -49.04 \text{ dBmV at 3 or 1500 feet}$$

Determine Free Space Loss:

$$\text{FSL} = -37.87 + 20 \cdot \log(f) + 20 \cdot \log(d)$$

f= frequency in MHz and d= distance feet

$$= -37.87 + 20 \cdot \log(136.8125) + 63.52$$

$$= 68.37 \text{ dB}$$

Determine Signal Level Input:

SLI= 10 uV/m field strength

+ (free space and cable loss)

- (dipole and reflector gain)

cable loss (signal measured at input of antenna)= 0 dB

dipole gain= 0 dB at 136.8125 MHz; reflector gain= 0 or 3 dB

$$= -49.04 + (68.37 + 0)$$

or

$$= -49.04 + (68.37 + 0) - (0 + 3)$$

$$= 16.33 \text{ dBmV}$$

Convert to millivolts:

$$\text{mV} = 10 \text{ (dBmV/20)}$$

$$= 6.55 \text{ mV}$$

- 4) Test signal level input of generator with signal level meter to insure accuracy.

- 5) Perform receiver calibration runs, adjusting receiver to read 10 uV/m at 3 or 1500 feet (see exhibit D).
NOTE: We are reading our receiver in the absolute mode in uV and inserting a 20 dB pre-amp to increase our sensitivity. 3 db adjustment added to receiver on calibration run to force 10 uV/m reading.

$$uV/m = 0.021 * f * uV$$

$$uV = (uV/m) / (0.021 * f)$$

$$uV = 476 / 136.8125$$

$$uV = 3.48$$

- 6) If using video carrier:

Flyover performed using channel C video carrier.

If using modulated carrier:

Insert generator to combining network at 136.8125 Mhz.

Measure signal level of channel C video carrier at headend trunk output test point with signal level meter.

Set generator output one dB above measured channel C video carrier level.

- 7) Perform system fly-over at 1500 feet in a grid pattern (all plant covered within 1/2 mile of pattern) at 120mph, combining GPS and signal level readings simultaneously with our software into an on-board computer(see configuration). Data sampled twice per second.
- 8) Convert all latitude and longitude readings to the state plane coordinate system.
- 9) Using system boundary polygon, filter all data points outside of system using custom software.
- 10) Develop a frequency distribution graph (see exhibit C) and a listing of all relative high readings.
- 11) Plot all leak levels on digitized map showing the exact locations of all relative high readings along with the flight pattern.

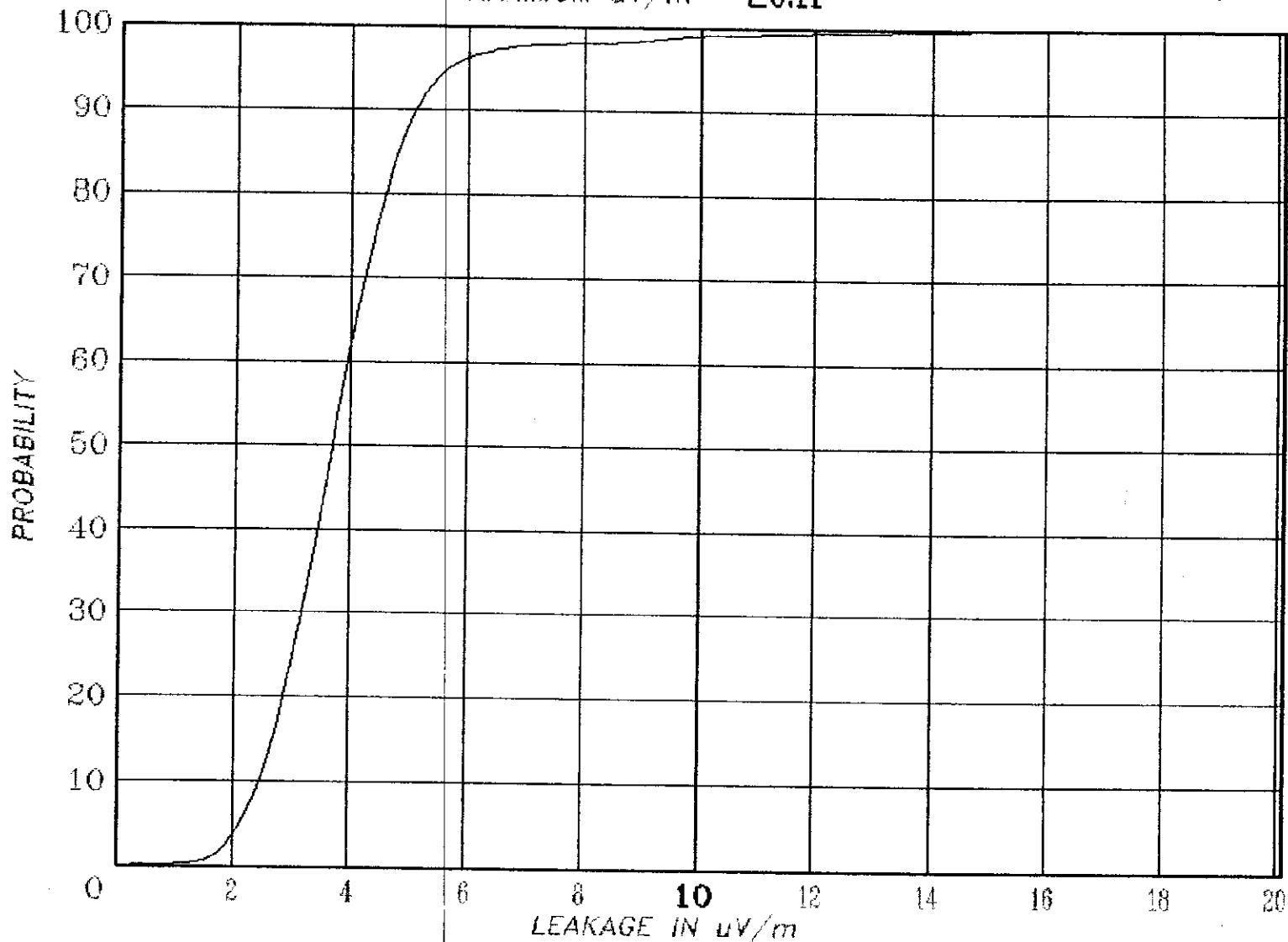
(EXHIBIT C)

PROBABILITY GRAPH FOR ALEXANDRIA VA

336 POINTS

MAXIMUM $\mu\text{V}/\text{m} = 20.11$

99.10% < 10 $\mu\text{V}/\text{m}$



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RELATIVE HIGH READINGS

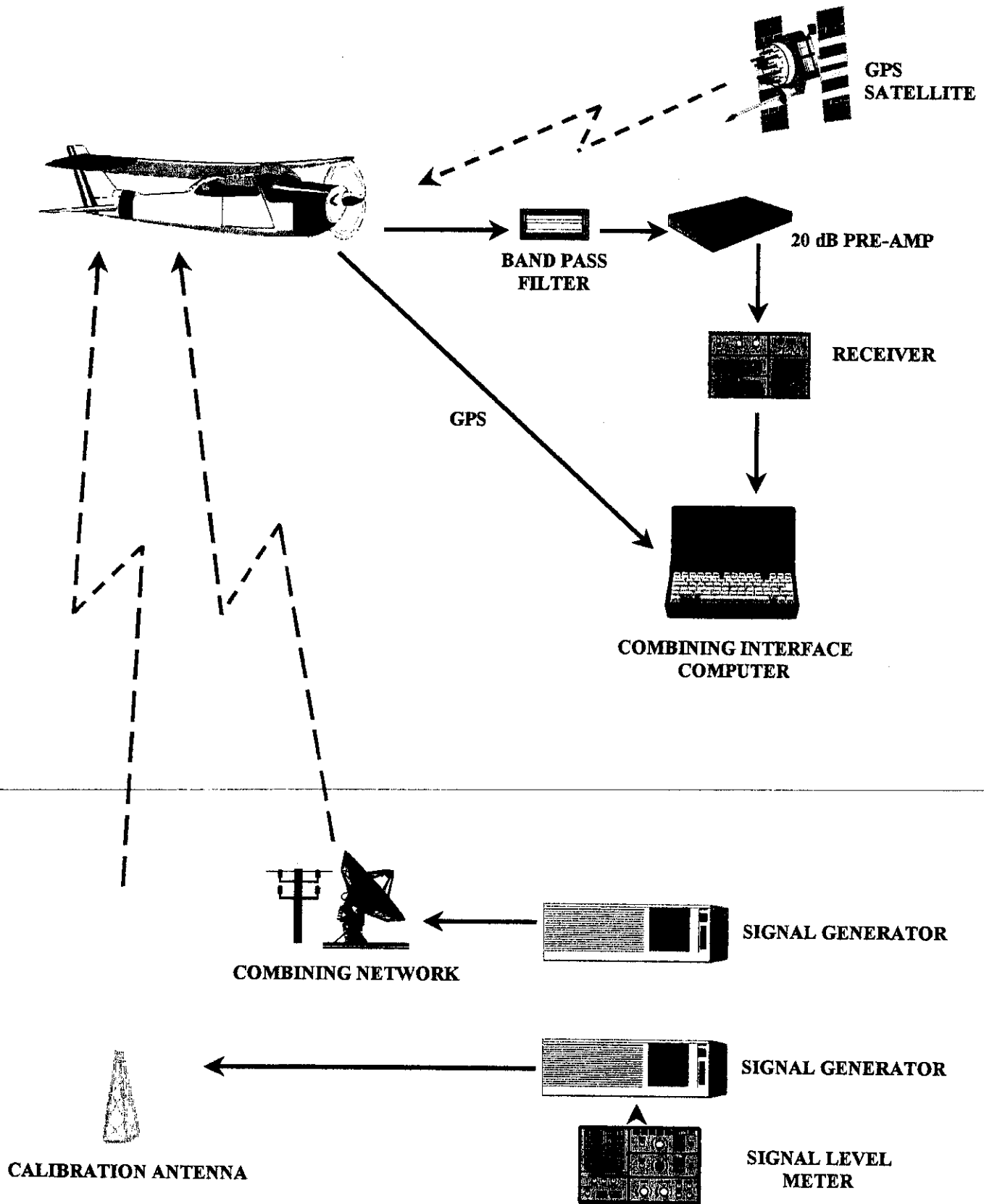
ALEXANDRIA VA

<u>uV/m</u>	<u>Latitude</u>	<u>Longitude</u>
9	38° 49' 10"	77° 6' 41"
20	38° 48' 38"	77° 5' 40"
9	38° 49' 7"	77° 4' 54"

LIST OF EQUIPMENT

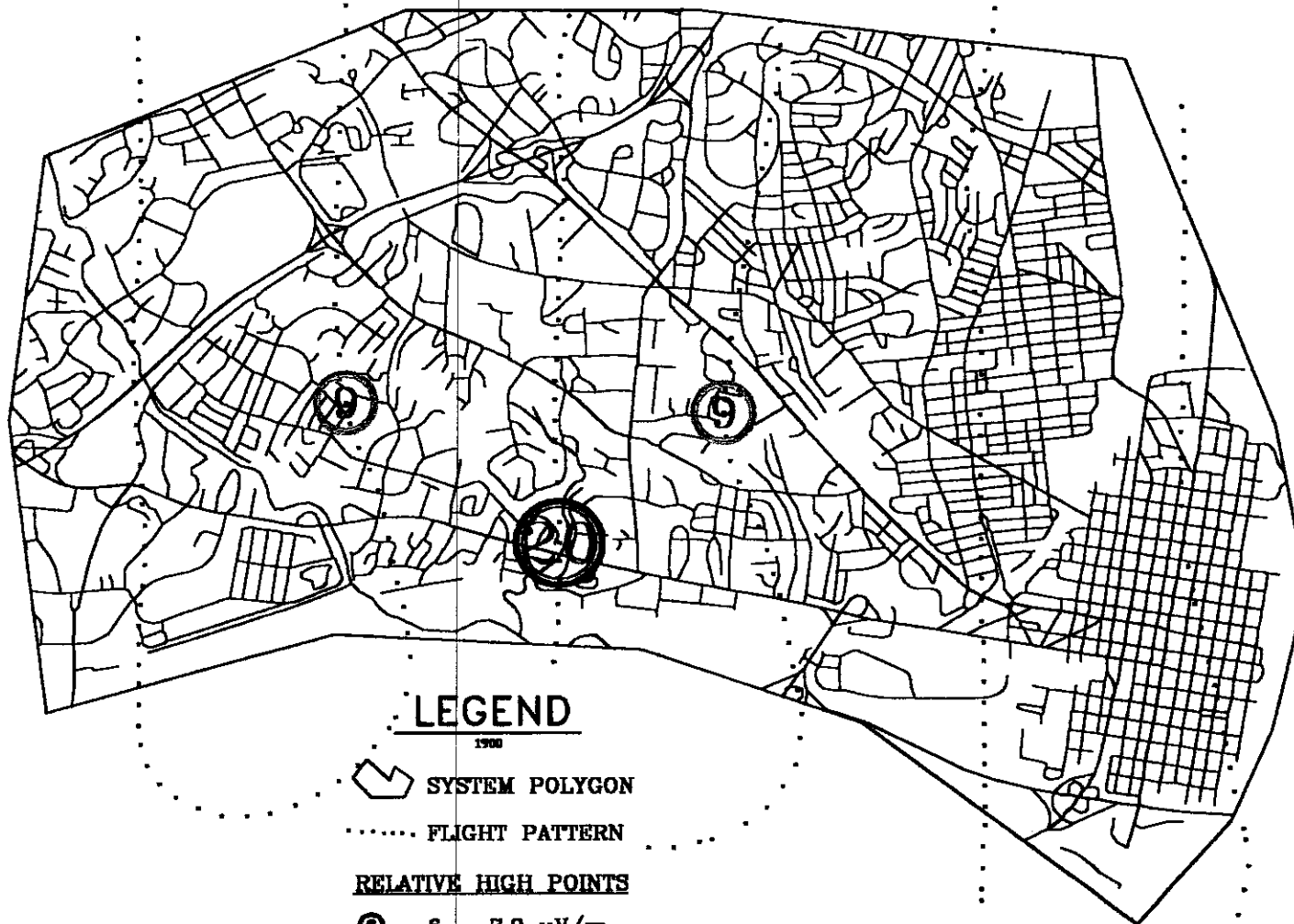
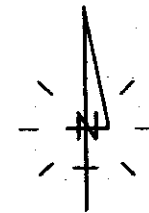
	EQUIPMENT	SERIAL#	CALIBRATION
1.	AIRCRAFT: PARTENAVIA 69B CESSNA 210 CESSNA 210 CESSNA 210	N23MW N732PW N8465L N994RA	N/A N/A N/A N/A
2.	APOLLO 2001 GPS NMS	N/A	N/A
3.	LEAKAGE DETECTION METERS: WAVETEK CLM-1000 WAVETEK CLM-1000 WAVETEK CLM-1000 WAVETEK CLM-1000	0363233 0183155 0223009 0153225	YEARLY YEARLY YEARLY YEARLY
4.	SIGNAL LEVEL METERS: WAVETEK SAM-1550 WAVETEK SAM-2000	4173124 9413118	YEARLY YEARLY
5.	FREQUENCY SYNTHESIZED GENERATORS: WAVETEK - MODEL 2407 WAVETEK - MODEL 2407 WAVETEK - MODEL 2407 WAVETEK - MODEL 2407 WAVETEK - MODEL 3000-200 WAVETEK - MODEL 3000-200	9242162 9442117 9142036 1352020 339030 270560	YEARLY YEARLY YEARLY YEARLY YEARLY YEARLY
6.	INTERFACING COMBINING EQUIPMENT: BAND PASS FILTER 20 dB PRE-AMP 28-13 DC VOLTAGE CONVERTER	N/A N/A N/A	N/A N/A N/A
7.	LINDSAY AIRBORNE DIPLOE ANTENNA	N/A	N/A
8.	LINDSAY CALIBRATION DIPOLE ANTENNA	N/A	N/A
9.	LAPTOP COMPTERS	N/A	N/A
10.	MAR-TECH CUSTOM SOFTWARE FOR COLLECTING AND INTERPRETING DATA AND FILTERING POINTS OUTSIDE THE POLYGON (SYSTEM BOUNDARY)	N/A	N/A

CONFIGURATION



ALEXANDRIA VA

SCALE: 1" = 3500'







LEGEND

1980

 SYSTEM POLYGON

 FLIGHT PATTERN

RELATIVE HIGH POINTS

-  6 - 7.9 uV/m
-  8 - 9.9 uV/m
-  10 - 19.9 uV/m
-  20 > uV/m

MAR-TECH ENGINEERING
6-21-2001

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Summary of Service Calls
August 2000 - July 2001

Month/Year	Aug-00	Sep-00	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Avg Subs	
Subscriber number	47,861	48,838	48,591	48,538	48,745	49,127	49,202	49,367	49,244	49,351	49,262	49,408	49,061	
Type of Problem	# of Calls	# of Calls	# of Calls	# of Calls	# of Calls	# of Calls	# of Calls	# of Calls	# of Calls	# of Calls	# of Calls	# of Calls	# of Calls	587,534
Customer Equipment	65	50	47	58	62	51	71	39	51	35	54	24	607	0.103
Converter Problem	213	210	300	248	254	235	304	293	271	231	323	74	2956	0.503
Tap to TV Set	292	312	331	406	357	323	333	318	461	440	522	448	4543	0.773
Distribution	94	57	44	36	33	0	4	7	27	18	83	0	403	0.069
Fiber	0	0	0	0	0	0	0	0	2	6	0	0	8	0.001
Headend	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000
Other: cxl, disco	87	54	40	32	32	36	28	31	40	34	40	19	473	0.081
No trouble found/not home	115	67	48	50	49	8	3	10	14	39	10	16	429	0.073
Total Calls	866	750	810	830	787	653	743	698	866	803	1032	581	9419	1.603
% of customer base	1.809	1.536	1.667	1.710	1.615	1.329	1.510	1.414	1.759	1.627	2.095	1.176	1.603	

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Summary of Service Calls
July, August, September 2000

Month/Year	Jul-00	Aug-00	Sep-00		Avg Subs
Subscriber number	47,816	47,861	48,838		48,350
					144,515
Type of Problem	<u># of Calls</u>	<u># of Calls</u>	<u># of Calls</u>	<u># of Calls</u>	Avg %
Customer Equipment	59	65	50	174	0.120
Converter Problem	218	213	210	641	0.444
Tap to TV Set	252	292	312	856	0.592
Distribution	23	94	57	174	0.120
Fiber	0	0	0	0	0.000
Headend	0	0	0	0	0.000
Other: cxl, disco	18	87	54	159	0.110
No trouble found/not home	103	115	67	285	0.197
Total Calls	673	866	750	2289	1.584

Summary of Service Calls
Fourth Quarter
October, November, December 2000

Month/Year	Oct-00	Nov-00	Dec-00		Avg Subs
Subscriber number	48,591	48,538	48,745		48,625
	<u># of Calls</u>	<u># of Calls</u>	<u># of Calls</u>	<u># of Calls</u>	<u>Avg %</u>
Type of Problem					
Customer Equipmen	47	58	62	167	0.114
Converter Problem	300	248	254	802	0.550
Tap to TV Set	331	406	357	1094	0.750
Distribution	44	36	33	113	0.077
Fiber	0	0	0	0	0.000
Headend	0	0	0	0	0.000
Other: cxl, disco	40	32	32	104	0.069
No trouble found/not home	48	50	49	147	0.101
Total Calls	810	830	787	2427	1.664
% of customer base	1.667	1.710	1.615		

Summary of Service Calls
 First Quarter
 January, February, March 2001

Month/Year	Jan-01	Feb-01	Mar-01	Avg Subs	
Subscriber number	49,127	49,202	49,367	49,232	
Type of Problem	# of Calls	# of Calls	# of Calls	# of Calls	Avg %
Customer Equipment	51	71	39	161	0.109
Converter Problem	235	304	293	832	0.563
Tap to TV Set	323	333	318	974	0.659
Distribution	0	4	7	11	0.007
Fiber	0	0	0	0	0.000
Headend	0	0	0	0	0.000
Other: cxl, disco	36	28	31	95	0.063
No trouble found/not home	8	3	10	21	0.014
Total Calls	653	743	698	2094	1.418
% of customer base	1.329	1.510	1.414		

Summary of Service Calls
Second Quarter
April, May, June 2001

Month/Year	Apr-01	May-01	Jun-01		Avg Subs
Subscriber number	49,244	49,351	49,262		49,280
Type of Problem	<u># of Calls</u>	<u># of Calls</u>	<u># of Calls</u>	<u># of Calls</u>	Avg %
Customer Equipment	51	35	54	140	0.071
Converter Problem	271	231	323	825	0.419
Tap to TV Set	461	440	522	1423	0.722
Distribution	27	18	83	128	0.065
Fiber	2	6	0	8	0.004
Headend	0	0	0	0	0.000
Other: cxi, disco	40	34	40	114	0.056
No trouble found/not home	14	39	10	63	0.032
Total Calls	866	803	1032	2701	1.370
% of customer base	1.759	1.627	2.095	5.481	

Summary of Service Calls
July, August, September 2001

Month/Year	Jul-01	Aug-01	Sep-01		Avg Subs
Subscriber number	49,408				#DIV/0! 49,408
Type of Problem	<u># of Calls</u>	<u># of Calls</u>	<u># of Calls</u>	<u># of Calls</u>	Avg %
Customer Equipment	24			24	0.049
Converter Problem	74			74	0.150
Tap to TV Set	448			448	0.907
Distribution	0			0	0.000
Fiber	0			0	0.000
Headend	0			0	0.000
Other: cxl, disco	19			19	0.038
No trouble found/not home	16			16	0.032
Total Calls	581	0	0	581	1.176
% of customer base	1.176				

SERVICE CALL REPORT
COMCAST CABLE COMMUNICATIONS, Inc of ALEXANDRIA, VA
10/30/00

JULY

Number of Subscribers: 47,816

<u>Type of Problem</u>	<u># of Calls</u>	<u>% of Subscriber Base</u>
Customer Equipment:	59	.12%
Converter Problems:	218	.45%
Tap to TV Set:	252	.52%
Distribution:	23	.04%
Fiber:	0	0%
Headend:	0	0%
Other: (cancellations, disconnects)	18	.03%
No problem found and not at home calls:	103	.21%
Total Calls:	673	1.40%

SERVICE CALL REPORT
COMCAST CABLE COMMUNICATIONS, Inc of ALEXANDRIA, VA
10-30-00

AUGUST

Number of Subscribers: 47,861

<u>Type of Problem</u>	<u># of Calls</u>	<u>% of Subscriber Base</u>
Customer Equipment:	65	.13%
Converter Problems:	213	.44%
Tap to TV Set:	292	.61%
Distribution:	94	.19%
Fiber:	0	0%
Headend:	0	0%
Other: (cancellations, disconnects)	87	.18%
No problem found and not at home calls:	115	.24%
Total Calls:	866	1.8%

SERVICE CALL REPORT
COMCAST CABLE COMMUNICATIONS, Inc of ALEXANDRIA, VA
10/30/00

SEPTEMBER

Number of Subscribers: 48,838

<u>Type of Problem</u>	<u># of Calls</u>	<u>% of Subscriber Base</u>
Customer Equipment:	50	.10%
Converter Problems:	210	.42%
Tap to TV Set:	312	.63%
Distribution:	57	.11%
Fiber:	0	0%
Headend:	0	0%
Other: (cancellation, disconnects)	54	.11%
No problem found and not at home:	67	.13%
Total Calls:	750	1.53%

SERVICE CALL REPORT
COMCAST CABLE COMMUNICATIONS, Inc of ALEXANDRIA, VA
10/30/00

OCTOBER

Number of Subscribers: 48,591

<u>Type of Problem</u>	<u># of Calls</u>	<u>% of Subscriber Base</u>
------------------------	-------------------	-----------------------------

Customer Equipment:	47	.09%
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Converter Problems:	300	.6%
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Tap to TV Set:	331	.68%
----------------	-----	------

Distribution:	44	.09%
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Fiber:	0	0%
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Headend:	0	0%
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Other: (cancellation, disconnects)	40	.08%
------------------------------------	----	------

No problem found and not at home:	48	..09%
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Total Calls:	810	1.6%
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SERVICE CALL REPORT
COMCAST CABLE COMMUNICATIONS, Inc of ALEXANDRIA, VA
11/30/00

NOVEMBER

Number of Subscribers: 48,538

<u>Type of Problem</u>	<u># of Calls</u>	<u>% of Subscriber Base</u>
------------------------	-------------------	-----------------------------

Customer Equipment:	58	.11%
---------------------	----	------

Converter Problems:	248	.5%
---------------------	-----	-----

Tap to TV Set:	406	.83%
----------------	-----	------

Distribution:	36	.07%
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Fiber:	0	0%
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Headend:	0	0%
----------	---	----

Other: (cancellation, disconnects)	32	.06%
------------------------------------	----	------

No problem found and not at home:	50	.10%
--------------------------------------	----	------

Total Calls:	830	1.7%
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SERVICE CALL REPORT
COMCAST CABLE COMMUNICATIONS, Inc of ALEXANDRIA, VA
12/30/00

DECEMBER

Number of Subscribers: 48,745

<u>Type of Problem</u>	<u># of Calls</u>	<u>% of Subscriber Base</u>
------------------------	-------------------	-----------------------------

Customer Equipment:	62	.12%
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Converter Problems:	254	.52%
---------------------	-----	------

Tap to TV Set:	357	.73%
----------------	-----	------

Distribution:	33	.06%
---------------	----	------

Fiber:	0	0%
--------	---	----

Headend:	0	0%
----------	---	----

Other: (cancellation, disconnects)	32	.06%
------------------------------------	----	------

No problem found and not at home:	49	.10%
--------------------------------------	----	------

Total Calls:	787	1.6%
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SERVICE CALL REPORT
COMCAST CABLE COMMUNICATIONS, Inc. of ALEXANDRIA, VA

JANUARY 2001

Numbers of Subscribers: 49,127

<u>Type of Problem</u>	<u># of Calls</u>	<u>% Subscriber Base</u>
Customer Equipment:	51	0.01%
Converter Problems:	235	0.04%
Tap to TV Set:	323	0.06%
Distribution:	0	0%
Fiber:	0	0%
Headend:	0	0%
Other: (cancellation, disconnects)	36	0.007%
No problem found and not at home:	8	0.001%
Total Calls:	653	1.3%



SERVICE CALL REPORT
COMCAST CABLE COMMUNICATIONS, Inc. of ALEXANDRIA, VA

FEBRUARY 2001

Numbers of Subscribers: 49,202

<u>Type of Problem</u>	<u># of Calls</u>	<u>% Subscriber Base</u>
Customer Equipment:	71	0.01%
Converter Problems:	304	0.06%
Tap to TV Set:	333	0.07%
Distribution:	4	0.0008%
Fiber:	0	0%
Headend:	0	0%
Other: (cancellation, disconnects)	28	0.005%
No problem found and not at home:	3	0.0007%
Total Calls:	743	1.5%



SERVICE CALL REPORT
COMCAST CABLE COMMUNICATIONS, Inc. of ALEXANDRIA, VA

MARCH 2001

Numbers of Subscribers: 49,367

<u>Type of Problem</u>	<u># of Calls</u>	<u>% Subscriber Base</u>
Customer Equipment:	39	0.003%
Converter Problems:	293	0.05%
Tap to TV Set:	318	0.06%
Distribution:	7	0.001%
Fiber:	0	0%
Headend:	0	0%
Other: (cancellation, disconnects)	31	0.006%
No problem found and not at home:	10	0.002%
Total Calls:	698	1.4%



SERVICE CALL REPORT
COMCAST CABLE COMMUNICATIONS, Inc. of ALEXANDRIA, VA

APRIL 2001

Numbers of Subscribers:	49,244	
<u>Type of Problem</u>	<u># of Calls</u>	<u>% Subscriber Base</u>
Customer Equipment:	51	0.1%
Converter Problems:	271	0.55%
Tap to TV Set:	461	0.93%
Distribution:	27	.05%
Fiber:	2	0%
Headend:	0	0%
Other: (cancellation, disconnects)	40	0.08%
No problem found and not at home:	14	0.02%
Total Calls:	866	1.7%



SERVICE CALL REPORT
COMCAST CABLE COMMUNICATIONS, Inc. of ALEXANDRIA, VA

MAY 2001

Numbers of Subscribers:	49351	
Type of Problem	# of Calls	% Subscriber Base
Customer Equipment:	35	0.07%
Converter Problems:	231	0.46%
Tap to TV Set:	440	0.89%
Distribution:	18	0.03%
Fiber:	6	0.01%
Headend:	0	0%
Other: (cancellation, disconnects)	34	0.06%
No problem found and not at home:	39	0.07%
Total Calls:	803	1.6%



SERVICE CALL REPORT
COMCAST CABLE COMMUNICATIONS, Inc. of ALEXANDRIA, VA

JUNE 2001

Numbers of Subscribers:	49262	
<u>Type of Problem</u>	<u># of Calls</u>	<u>% Subscriber Base</u>
Customer Equipment:	54	0.10%
Converter Problems:	323	0.65%
Tap to TV Set:	522	1.05%
Distribution:	83	0.16%
Fiber:	0	0%
Headend:	0	0%
Other: (cancellation, disconnects)	40	0.08%
No problem found and not at home:	10	0.02%
Total Calls:	1032	2.0%



SERVICE CALL REPORT
COMCAST CABLE COMMUNICATIONS, Inc. of ALEXANDRIA, VA

JULY 2001

Numbers of Subscribers:	49,408	
<u>Type of Problem</u>	<u># of Calls</u>	<u>% Subscriber Base</u>
Customer Equipment:	24	0.05%
Converter Problems:	74	0.1%
Tap to TV Set:	448	0.9%
Distribution:	0	0%
Fiber:	0	0%
Headend:	0	0%
Other: (cancellation, disconnects)	19	0.04%
No problem found and not at home:	16	0.03%
Total Calls:	581	1.2%

OUTAGE REPORT
ANNUAL 2001
JULY 1, 2000 - JULY 31, 2001

Codes for Cable System Outages

EQ Comcast Equipment Failure
 RM Rountine Maintenance
 EPO Electrical Power Outages (Not Virginia Power)
 EPOVA Electrical Power Outages (Virginia Power)
 SP Signal Problems at Broadcast Stations
 CT Corrected Themselves
 PD Cut Cable/Damage to Plant

Summary - July 1, 2000 to July 31, 2001

Code	count	AVERAGE down time in minutes	AVERAGE number of cust affected	AVERAGE cust minutes out
EQ	19	69.368	56.474	3973.842
RM	3	120	54.667	84810.000
EPO	9	39.444	72.556	2815.000
EPOVA	13	54.923	93.231	5414.615
SP	0	0	0	0.000
CT	0	0	0.00	0.000
PD	10	142	80	25777.400
AVERAGE	54	77.167	72.259	8415.593

Outage Report sorted by Code
ANNUAL 2001
July 1,2000 - JULY 31,2001
number of

Node	Code	count	down time in minutes	cust affected	cust minutes out
469	EPO	1	20	152	3,040
433	EPO	1	45	50	2,250
308	EPO	1	45	130	5,850
389	EPO	1	45	100	4,500
426	EPO	1	20	10	200
459	EPO	1	45	30	1,350
433	EPO	1	45	100	4,500
154	EPO	1	45	25	1,125
498	EPO	1	45	56	2,520
Subtotal		9	355	653	25,335
Subtotal - Average			39.444	72.556	2,815.000
250	EPOVA	1	75	200	15,000
79	EPOVA	1	60	100	6,000
82	EPOVA	1	39	100	3,900
506	EPOVA	1	55	123	6,765
72	EPOVA	1	80	150	12,000
478	EPOVA	1	45	130	5,850
31	EPOVA	1	25	59	1,475
405	EPOVA	1	70	75	5,250
269	EPOVA	1	50	78	3,900
187	EPOVA	1	80	52	4,160
525	EPOVA	1	60	32	1,920
Quaker Ln	EPOVA	1	45	52	2,340
335	EPOVA	1	30	61	1,830
Subtotal		13	714	1212	70390
Subtotal - Average			54.923	93.231	5414.615
15	EQ	1	105	100	10,500
192	EQ	1	55	37	2,035
203	EQ	1	75	40	3,000
117	EQ	1	45	50	2,250
186	EQ	1	59	200	11,800
192	EQ	1	60	100	6,000
3	EQ	1	45	100	4,500
147	EQ	1	55	30	1,650
310	EQ	1	40	10	400
457	EQ	1	200	60	12,000
457	EQ	1	20	50	1,000
304	EQ	1	45	50	2,250
55	EQ	1	30	25	750
314	EQ	1	54	52	2,808
290	EQ	1	70	75	5,250
285	EQ	1	100	10	1,000
203	EQ	1	110	15	1,650
20	EQ	1	30	18	540
99	EQ	1	120	51	6,120
Subtotal		19	1,318	1,073	75,503
Subtotal - Average			69.368	56.474	3,973.842

Outage Report sorted by Code
ANNUAL 2001
July 1,2000 - JULY 31,2001

276	PD	1	45	100	4,500
73	PD	1	2	12	24
196	PD	1	60	8	480
257	PD	1	25	100	2,500
5 Nodes	PD	1	645	350	225,750
148	PD	1	324	40	12,960
257	PD	1	45	100	4,500
175	PD	1	180	16	2,880
147	PD	1	34	10	340
523	PD	1	60	64	3,840
Subtotal		10	1420	800	257,774
Subtotal - Average			142.000	80.000	25,777.400
240	RM	1	60	4	240
159	RM	1	180	100	18,000
10	RM	1	120	60	7,200
Subtotal		3	360	164	25,440
Subtotal - Average			120.000	54.667	8,480.000
Total		54	4,167	3,902	454,442
Average			77.167	72.259	8,415.593

Outage Report
 ANNUAL 2001
 July 1,2001 - JULY 31,2001
 number of

Node	Code	count	down time in minutes	cust affected	cust minutes out
15	EQ	1	105	100	10,500
469	EPO	1	20	152	3,040
192	EQ	1	55	37	2,035
250	EPOVA	1	75	200	15,000
203	EQ	1	75	40	3,000
117	EQ	1	45	50	2,250
433	EPO	1	45	50	2,250
308	EPO	1	45	130	5,850
186	EQ	1	59	200	11,800
192	EQ	1	60	100	6,000
389	EPO	1	45	100	4,500
3	EQ	1	45	100	4,500
276	PD	1	45	100	4,500
147	EQ	1	55	30	1,650
426	EPO	1	20	10	200
310	EQ	1	40	10	400
79	EPOVA	1	60	100	6,000
82	EPOVA	1	39	100	3,900
73	PD	1	2	12	24
506	EPOVA	1	55	123	6,765
196	PD	1	60	8	480
72	EPOVA	1	80	150	12,000
457	EQ	1	200	60	12,000
257	PD	1	25	100	2,500
5 Nodes	PD	1	645	350	225,750
148	PD	1	324	40	12,960
457	EQ	1	20	50	1,000
459	EPO	1	45	30	1,350
433	EPO	1	45	100	4,500
257	PD	1	45	100	4,500
304	EQ	1	45	50	2,250
154	EPO	1	45	25	1,125
478	EPOVA	1	45	130	5,850
55	EQ	1	30	25	750
498	EPO	1	45	56	2,520
240	RM	1	60	4	240
31	EPOVA	1	25	59	1,475
175	PD	1	180	16	2,880
405	EPOVA	1	70	75	5,250
147	PD	1	34	10	340
314	EQ	1	54	52	2,808
290	EQ	1	70	75	5,250
269	EPOVA	1	50	78	3,900
285	EQ	1	100	10	1,000
187	EPOVA	1	80	52	4,160
525	EPOVA	1	60	32	1,920
203	EQ	1	110	15	1,650
20	EQ	1	30	18	540

OUTAGE REPORT
 THIRD QUARTER 2000
 JULY, AUGUST, SEPTEMBER

Codes for Cable System Outages

EQ Comcast Equipment Failure
 RM Routine Maintenance
 EPO Electrical Power Outages (Not Virginia Power)
 EPOVA Electrical Power Outages (Virginia Power)
 SP Signal Problems at Broadcast Stations
 CT Corrected Themselves
 PD Cut Cable/Damage to Plant

Summary - July 1, 2000 to September 30, 2000

Code	count	AVERAGE		
		AVERAGE down time in minutes	number of cust affected	AVERAGE cust minutes out
EQ	7	63.43	89.57	5726.43
RM	0	0	0	0
EPO	4	38.75	108	3910
EPOVA	1	75	200	15000
SP	0	0	0	0
CT	0	0	0.00	0
PD	1	45	100	4500
	13			
TOTAL - AVERAGE		55.31	104.54	5786.54

Outage Report sorted by Code
 3rd Quarter
 July, August, September
 number of

Node	Code	count	down time in minutes	cust affected	cust minutes out
469	EPO	1	20	152	3040
433	EPO	1	45	50	2250
308	EPO	1	45	130	5850
389	EPO	1	45	100	4500
Subtotal		4	155	432	15640
Subtotal - Average			38.75	108.00	3910.00
250	EPOVA	1	75	200	15000
15	EQ	1	105	100	10500
192	EQ	1	55	37	2035
203	EQ	1	75	40	3000
117	EQ	1	45	50	2250
186	EQ	1	59	200	11800
192	EQ	1	60	100	6000
3	EQ	1	45	100	4500
Subtotal		7	444	627	40085
Subtotal - Average			63.43	89.57	5726.43
276	PD	1	45	100	4500
Total		13	719	1359.00	75225.00
Average			55.31	104.54	5786.54

Outage Report
 3rd Quarter 2000
 July, August, September
 number of

Node	Code	count	down time in minutes	cust affected	cust minutes out
15	EQ	1	105	100	10500
469	EPO	1	20	152	3040
192	EQ	1	55	37	2035
250	EPOVA	1	75	200	15000
203	EQ	1	75	40	3000
117	EQ	1	45	50	2250
433	EPO	1	45	50	2250
308	EPO	1	45	130	5850
186	EQ	1	59	200	11800
192	EQ	1	60	100	6000
389	EPO	1	45	100	4500
3	EQ	1	45	100	4500
276	PD	1	45	100	4500
Total		13	719	1359	75225
Average			55.31	104.54	5786.54

OUTAGE REPORT
FOURTH QUARTER 2000
OCTOBER, NOVEMBER, DECEMBER

Codes for Cable System Outages

EQ Comcast Equipment Failure
 RM Rountine Maintenance
 EPO Electrical Power Outages (Not Virginia Power)
 EPOVA Electrical Power Outages (Virginia Power)
 SP Signal Problems at Broadcast Stations
 CT Corrected Themselves
 PD Cut Cable/Damage to Plant

Summary - October 1, 2000 to December 31, 2000

Code	count	AVERAGE		
		AVERAGE down time in minutes	number of cust affected	AVERAGE cust minutes out
EQ	3	295	100	14050
RM	0	0	0	0
EPO	1	20	10	200
EPOVA	4	234	473	28665
SP	0	0	0	0
CT	0	0	0	0
PD	3	87	120	3004
TOTAL	11	636	703	45919
TOTAL - AVERAGE		57.82	63.91	4174.45

Outage Report sorted by Code
 4TH Quarter
 October, November, December

Node	Code	count	down time in minutes	number of cust affected	cust minutes out
426	EPO	1	20	10	200
79	EPOVA	1	60	100	6000
82	EPOVA	1	39	100	3900
506	EPOVA	1	55	123	6765
72	EPOVA	1	80	150	12000
SUBTOTAL		4	234	473	28665
SUBTOTAL - AVERAGE			58.5	118.25	7166.25
147	EQ	1	55	30	1650
310	EQ	1	40	10	400
457	EQ	1	200	60	12000
SUBTOTAL		3	295	100	14050
SUTOTAL AVERAGE			147.5	50	7025
73	PD	1	2	12	24
196	PD	1	60	8	480
257	PD	1	25	100	2500
SUBTOTAL		3	87	120	3004
SUTOTAL AVERAGE			43.5	60	1502
TOTAL VERAGE		11	636	703	45919
			57.82	63.91	4174.45

Outage Report
 4th Quarter 2000
 October, November, December

Node	Code	count	down time in minutes	number of cust affected	cust minutes out
147	EQ	1	55	30	1650
426	EPO	1	20	10	200
310	EQ	1	40	10	400
79	EPOVA	1	60	100	6000
82	EPOVA	1	39	100	3900
73	PD	1	2	12	24
506	EPOVA	1	55	123	6765
196	PD	1	60	8	480
72	EPOVA	1	80	150	12000
457	EQ	1	200	60	12000
257	PD	1	25	100	2500
Total		11	636	703	45919
Average			57.82	63.91	4174.45

OUTAGE REPORT
FIRST QUARTER 2001
JANUARY, FEBRUARY, MARCH

Codes for Cable System Outages

EQ Comcast Equipment Failure
 RM Rountine Maintenance
 EPO Electrical Power Outages (Not Virginia Power)
 EPOVA Electrical Power Outages (Virginia Power)
 SP Signal Problems at Broadcast Stations
 CT Corrected Themselves
 PD Cut Cable/Damage to Plant

Summary - January 1, 2001 to March 31, 2001

<u>Code</u>	<u>Count</u>	<u>Down time in minutes</u>	<u>Number of cust affected</u>	<u>Cust minutes out</u>
EQ	3	95	125	4000
RM	1	60	4	240
EPO	4	180	211	9495
EPOVA	2	70	189	7325
SP	0	0	0	0
CT	0	0	0	0
PD	4	1194	506	246090
TOTAL	14	1599	1035	267150
TOTAL - AVERAGE		114.21	73.93	19082.14

OUTAGE REPORT
 SORTED BY CODE
 FIRST QUARTER 2001
 JANUARY, FEBRUARY, MARCH

Node	Code	count	down time in minutes	number of cust affected	cust minutes out
459	EPO	1	45	30	1350
433	EPO	1	45	100	4500
154	EPO	1	45	25	1125
498	EPO	1	45	56	2520
SUBTOTAL		4	180	211	9495
SUBTOTAL - AVERAGE			45	52.75	2373.75
478	EPOVA	1	45	130	5850
31	EPOVA	1	25	59	1475
SUBTOTAL		2	70	189	7325
SUBTOTAL - AVERAGE			46.67	126	4883.33
457	EQ	1	20	50	1000
304	EQ	1	45	50	2250
55	EQ	1	30	25	750
SUBTOTAL		3	95	125	4000
SUBTOTAL - AVERAGE			31.67	41.67	1333.33
5 Nodes	PD	1	645	350	225750
148	PD	1	324	40	12960
257	PD	1	45	100	4500
175	PD	1	180	16	2880
SUBTOTAL		4	1194	506	246090
SUBTOTAL - AVERAGE			298.5	126.5	61522.5
240	RM	1	60	4	240
TOTAL		14	1599	1035	267150
AVERAGE			114.21	73.93	19082.14

OUTAGE REPORT
 FIRST QUARTER 2001
 JANUARY, FEBRUARY, MARCH

Node	Code	count	down time in minutes	number of cust affected	cust minutes out
5 Nodes	PD	1	645	350	225750
148	PD	1	324	40	12960
457	EQ	1	20	50	1000
459	EPO	1	45	30	1350
433	EPO	1	45	100	4500
257	PD	1	45	100	4500
304	EQ	1	45	50	2250
154	EPO	1	45	25	1125
478	EPOVA	1	45	130	5850
55	EQ	1	30	25	750
498	EPO	1	45	56	2520
240	RM	1	60	4	240
31	EPOVA	1	25	59	1475
175	PD	1	180	16	2880
Total		14	1599	1035	267150
Average			114.21	73.93	19082.14

OUTAGE REPORT
 SECOND QUARTER 2001
 APRIL, MAY, JUNE

Codes for Cable System Outages

EQ Comcast Equipment Failure
 RM Routine Maintenance
 EPO Electrical Power Outages (Not Virginia Power)
 EPOVA Electrical Power Outages (Virginia Power)
 SP Signal Problems at Broadcast Stations
 CT Corrected Themselves
 PD Cut Cable/Damage to Plant

Summary - April 1, 2001 to June 30, 2001

Code	Count	Down time in minutes	Number of cust affected	Cust minutes out
EQ	5	364	170	11248
RM	0	0	0	0
EPO	0	0	0	0
EPOVA	5	305	289	17570
SP	0	0	0	0
CT	0	0	0	0
PD	2	94	74	4180
TOTAL	12	763	533	32998
TOTAL - AVERAGE		63.58	44.42	2749.83

OUTAGE REPORT
 SORTED BY CODE
 SECOND QUARTER 2001
 APRIL, MAY, JUNE

Node	Code	count	down time in minutes	number of cust affected	cust minutes out
314	EQ	1	54	52	2,808
290	EQ	1	70	75	5,250
285	EQ	1	100	10	1,000
203	EQ	1	110	15	1,650
20	EQ	1	30	18	540
SUBTOTAL		5	364	170	11248
SUBTOTAL - AVERAGE			72.8	34	2249.6
405	EPOVA	1	70	75	5,250
269	EPOVA	1	50	78	3,900
187	EPOVA	1	80	52	4,160
525	EPOVA	1	60	32	1,920
Quaker Ln	EPOVA	1	45	52	2,340
SUBTOTAL		5	305	289	17,570
SUBTOTAL - AVERAGE			61.00	58	3514.00
147	PD	1	34	10	340
523	PD	1	60	64	3,840
SUBTOTAL		2	94	74	4180
SUBTOTAL - AVERAGE			47.00	37.00	2090.00
TOTAL		12	763	533	32,998
AVERAGE			63.58	44.42	2749.83

OUTAGE REPORT
 SECOND QUARTER 2001
 APRIL, MAY, JUNE

Node	Code	count	down time in minutes	number of cust affected	cust minutes out
405	EPOVA	1	70	75	5,250
147	PD	1	34	10	340
314	EQ	1	54	52	2,808
290	EQ	1	70	75	5,250
269	EPOVA	1	50	78	3,900
285	EQ	1	100	10	1,000
187	EPOVA	1	80	52	4,160
525	EPOVA	1	60	32	1,920
203	EQ	1	110	15	1,650
20	EQ	1	30	18	540
523	PD	1	60	64	3,840
Quaker Ln	EPOVA	1	45	52	2,340

Total		12	763	533	32,998
Average			63.58	44	2,750

10/31/00

Outage Performance



All systems; Unplanned and Planned Outages from 7/1/00 through 9/30/00
Note: This report does not include open outages.

# of Outages:	16-13
# of Days:	92
Total Customers Out (1):	1,766-1354
Total Customers (1):	46,717
Total Customer Minutes Out (2):	79,602.75, 225.00
Total Customer Minutes (2):	6,189,068,160

(1) Total customers out can be larger than total customers (a customer can experience more than one outage).
(2) It is not unusual for the number of minutes out to be in the millions.

of Prime Time Outages: 3 18.8%

Average Down Time (minutes): 49.7

(Prime Time is the "time of day" category(s) with the highest weight in the weights table.)

Average Outages Per Day: 0.2

Average Outages Per Day = # of Outages / # of days

(This number should normally be less than one.)

Outages Per Customer Per Month: 0.0

Outages per Customer per Month = (Total Customers Out / Total Customers) / (number of days / 30.417)

(The goal is a maximum of 0.6 outages per customer per month.)

Reliability: 99.9987%

Reliability = ((Total Customer Minutes - Total Customer Minutes Out) / Total Customer Minutes) x 100

(System reliability will normally be a number like 99.xxxx%.)

10/31/00

Outage Detail Log



All systems; Unplanned and Planned Outages from 7/1/00 through 9/30/00; Sorted by Date/Time
 Note: This report does not include open outages.

System Area Affected Type	Cause Fix Equipment	# Channels # Customers Technician	Declared On Site Cleared	Response Time Down Time Cust. Min. Out
EQ 1032 NODE 15 Unplanned	66	MOTHERBOARD	78	7/10/00 12:15PM 45 min.
	16	REPAIR/REPLACE MOTHERBOARD	100	7/10/00 1:00PM 105 min.
	ACTIVE	ACTIVE DEVICE	43	7/10/00 2:00PM 10,500
1032 SECUNIA HE Unplanned MID ATLANTIC	95	VANDALISM	78	7/15/00 9:15AM 0 min.
	10	REPLACE POWER INSERTER	350	7/15/00 9:15AM 10 min.
	HEADEND	HEADEND	24	7/15/00 9:25AM 3,500
EPO 1032 NODE 469 Unplanned	32	BLOWN 110 VAC FUSE	78	7/15/00 10:40AM 8 min.
	8	REPLACE FUSE	152	7/15/00 10:48AM 20 min.
	POWER	POWER RELATED	24	7/15/00 11:00AM 3,040
1032 MEADOW WO Unplanned MID ATLANTIC	62	SPLITTER/COUPLER	78	7/18/00 8:00AM 0 min.
	14	REPLACE COUPLER/SPLITTER	50	7/18/00 8:00AM 10 min.
	POWER	POWER RELATED	43	7/18/00 8:10AM 500
EQ 1032 NODE 192 Unplanned	66	MOTHERBOARD	78	7/18/00 8:45AM 5 min.
	16	REPAIR/REPLACE MOTHERBOARD	37	7/18/00 8:50AM 55 min.
	ACTIVE	ACTIVE DEVICE	24	7/18/00 9:40AM 2,035
EPOVA 1032 NODE 250 Unplanned	39	VIRGINIA POWER OUTAGE	78	7/19/00 7:00AM 50 min.
	51	OKAY ON ARRIVAL	200	7/19/00 7:50AM 75 min.
	POWER	POWER RELATED	43	7/19/00 8:15AM 15,000
EQ 1032 NODE 203 Unplanned	66	MOTHERBOARD	78	7/21/00 9:00AM 60 min.
	16	REPAIR/REPLACE MOTHERBOARD	40	7/21/00 10:00AM 75 min.
	ACTIVE	ACTIVE DEVICE	14	7/21/00 10:15AM 3,000
EQ 1032 NODE 117 Unplanned	66	MOTHERBOARD	78	7/29/00 10:45PM 15 min.
	16	REPAIR/REPLACE MOTHERBOARD	50	7/29/00 11:00PM 45 min.
	FIBER	FIBER RELATED	336	7/29/00 11:30PM 2,250
EPO 1032 NODE 433 Unplanned	32	BLOWN 110 VAC FUSE	78	8/7/00 6:30PM 15 min.
	34	RESET CIRCUIT BREAKER	50	8/7/00 6:45PM 45 min.
	ACTIVE	ACTIVE DEVICE	16	8/7/00 7:15PM 2,250
EPO 1032 NODE 308	32	BLOWN 110 VAC FUSE	78	8/7/00 8:30PM 30 min.
	34	RESET CIRCUIT BREAKER	120	8/7/00 8:30PM 30 min.

10/31/00

Outage Detail Log



All systems; Unplanned and Planned Outages from 7/1/00 through 9/30/00; Sorted by Date/Time
 Note: This report does not include open outages.

System Area Affected Type	Cause Fix Equipment		# Channels # Customers Technician	Declared On Site Cleared	Response Time Down Time Cust. Min. Out
Unplanned	ACTIVE ACTIVE DEVICE		16	8/ 7/00 9:15PM	5,850
<i>EQ</i> 1032	86	NODE CONNECTOR	78	8/ 9/00 11:00PM	20 min.
NODE 186	3	REPLACE CONNECTOR	200	8/ 9/00 11:20PM	59 min.
Unplanned	FIBER FIBER RELATED		16	8/ 9/00 11:59PM	11,800
1032	1	CUT FEEDER	42	8/15/00 12:20PM	40 min.
FT MYER	1	SPLICE CABLE	7	8/15/00 1:00PM	100 min.
Unplanned	CABLE CABLE RELATED		336	8/15/00 2:00PM	377
<i>EQ</i> 1032	86	NODE CONNECTOR	78	9/ 7/00 4:00PM	30 min.
NODE192	35	CLEAN PATCH PANNEL CONN	100	9/ 7/00 4:30PM	60 min.
Unplanned	FIBER FIBER RELATED		16	9/ 7/00 5:00PM	6,000
<i>EPD</i> 1032	22	STANDBY POWER SUPPLY FAILUR	78	9/ 7/00 5:00PM	30 min.
NODE 389	34	RESET CIRCUIT BREAKER	100	9/ 7/00 5:30PM	45 min.
Unplanned	ACTIVE ACTIVE DEVICE		16	9/ 7/00 5:45PM	4,500
<i>EQ</i> 1032	86	NODE CONNECTOR	78	9/12/00 1:45PM	30 min.
NODE 3	35	CLEAN PATCH PANNEL CONN	100	9/12/00 2:15PM	45 min.
Unplanned	FIBER FIBER RELATED		14	9/12/00 2:30PM	4,500
<i>PD</i> 1032	95	VANDALISM	78	9/21/00 12:30PM	15 min.
NODE276	34	RESET CIRCUIT BREAKER	100	9/21/00 12:45PM	45 min.
Unplanned	ACTIVE ACTIVE DEVICE		16	9/21/00 1:15PM	4,500

Count: 16-13
 Average Down Time (Minutes): 52 55.31
 Average # of Customers Out: 110 104.54
 Average Customer Minutes Out: 4,975 5,786.54

1/30/01

Outage Performance

Jones Communications
Capitol Heights, MD



All systems; Unplanned and Planned Outages from 10/1/00 through 12/31/00
Note: This report does not include open outages.

# of Outages:	11
# of Days:	92
Total Customers Out (1):	703
Total Customers (1):	46,717
Total Customer Minutes Out (2):	45,919
Total Customer Minutes (2):	6,189,068,160

- (1) Total customers out can be larger than total customers (a customer can experience more than one outage).
- (2) It is not unusual for the number of minutes out to be in the millions.

# of Prime Time Outages:	6	54.5%
Average Down Time (minutes):	81.5	

(Prime Time is the "time of day" category(s) with the highest weight in the weights table.)

Average Outages Per Day: 0.1

Average Outages Per Day = # of Outages / # of days

(This number should normally be less than one.)

Outages Per Customer Per Month: 0.0

Outages per Customer per Month = (Total Customers Out / Total Customers) / (number of days / 30.417)

(The goal is a maximum of 0.6 outages per customer per month.)

Reliability: 99.9993%

Reliability = ((Total Customer Minutes - Total Customer Minutes Out) / Total Customer Minutes) x 100

(System reliability will normally be a number like 99.xxxx%.)

1/30/01

Outage Detail Log

**Jones Communications
Capitol Heights, MD**



All systems; Unplanned and Planned Outages from 10/1/00 through 12/31/00; Sorted by Date/Time
Note: This report does not include open outages.

System Area Affected Type	Cause Fix Equipment	# Channels # Customers Technician	Declared On Site Cleared	Response Time Down Time Cust. Min. Out		
EQ	1032	61	TAP FAILURE	78	10/ 4/00 8:45PM	30 min.
	NODE147	13	REPLACE TAP	30	10/ 4/00 9:15PM	55 min.
	Unplanned	PASSIVE	PASSIVE DEVICE	16	10/ 4/00 9:40PM	1,650
EPO	1032	38	BLOWN NODE FUSE	78	10/19/00 12:40PM	15 min.
	NODE426	8	REPLACE FUSE	10	10/19/00 12:55PM	20 min.
	Unplanned	PASSIVE	PASSIVE DEVICE	15	10/19/00 1:00PM	200
EQ	1032	61	TAP FAILURE	78	11/ 1/00 4:30PM	30 min.
	NODE310	13	REPLACE TAP	10	11/ 1/00 5:00PM	40 min.
	Unplanned	PASSIVE	PASSIVE DEVICE	16	11/ 1/00 5:10PM	400
P A	1032	21	COMMERCIAL POWER OUTAGE	78	11/ 2/00 8:45PM	15 min.
	NODE79	51	OKAY ON ARRIVAL	100	11/ 2/00 9:00PM	60 min.
	Unplanned	ACTIVE	ACTIVE DEVICE	15	11/ 2/00 9:45PM	6,000
PDVA	1032	21	COMMERCIAL POWER OUTAGE	78	11/ 2/00 9:06PM	9 min.
	NODE82	51	OKAY ON ARRIVAL	100	11/ 2/00 9:15PM	39 min.
	Unplanned	ACTIVE	ACTIVE DEVICE	15	11/ 2/00 9:45PM	3,900
PD	1032	1	CUT FEEDER	78	11/ 9/00 4:58PM	0 min.
	NODE73	1	SPLICE CABLE	12	11/ 9/00 4:58PM	2 min.
	Unplanned	CABLE	CABLE RELATED	15	11/ 9/00 5:00PM	24
PDVA	1032	13	CABLE VANDALISM	78	11/16/00 8:45PM	15 min.
	NODE506	34	RESET CIRCUIT BREAKER	123	11/16/00 9:00PM	55 min.
	Unplanned	ACTIVE	ACTIVE DEVICE	16	11/16/00 9:40PM	6,765
PD	1032	14	CUT CABLE	78	11/18/00 3:00PM	15 min.
	NODE196	1	SPLICE CABLE	8	11/18/00 3:15PM	60 min.
	Unplanned	CABLE	CABLE RELATED	16	11/18/00 4:00PM	480
P A	1032	21	COMMERCIAL POWER OUTAGE	78	11/20/00 8:40PM	35 min.
	NODE72	51	OKAY ON ARRIVAL	150	11/20/00 9:15PM	80 min.
	Unplanned	ACTIVE	ACTIVE DEVICE	15	11/20/00 10:00PM	12,000
EQ	1032	3	FEEDER SHORT	78	12/13/00 10:40PM	45 min.
	NODE457	2	REPLACE CABLE	60	12/13/00 11:25PM	200 min.

1/30/01

Outage Detail Log

Jones Communications
Capitol Heights, MD



All systems; Unplanned and Planned Outages from 10/1/00 through 12/31/00; Sorted by Date/Time
Note: This report does not include open outages.

System Area Affected Type	Cause Fix Equipment		# Channels # Customers Technician	Declared On Site Cleared	Response Time Down Time Cust. Min. Out
Unplanned	CABLE CABLE RELATED		15	12/14/00 2:00AM	12,000
1032	89 CUT FIBER		78	12/27/00 12:45PM	15 min.
DD NODE257	23 SPLICE/RE-SPLICE FIBER		100	12/27/00 1:00PM	25 min.
Unplanned	FIBER FIBER RELATED		15	12/27/00 1:10PM	2,500

Count: 11
Average Down Time (Minutes): 58
Average # of Customers Out: 64
Average Customer Minutes Out: 4,174

4/27/01

Outage Performance



~~Jones Communications~~ COMCAST
~~Capitol Heights, MD~~ ALEXANDRIA, VA

All systems; Unplanned and Planned Outages from 1/1/01 through 3/31/01
Note: This report does not include open outages.

# of Outages:	14
# of Days:	90
Total Customers Out (1):	1,035
Total Customers (1):	46,717
Total Customer Minutes Out (2):	267,150
Total Customer Minutes (2):	6,054,523,200

(1) Total customers out can be larger than total customers (a customer can experience more than one outage).
(2) It is not unusual for the number of minutes out to be in the millions.

of Prime Time Outages: 5 35.7%

Average Down Time (minutes): 122.8

(Prime Time is the "time of day" category(s) with the highest weight in the weights table.)

Average Outages Per Day: 0.2

Average Outages Per Day = # of Outages / # of days

(This number should normally be less than one.)

Outages Per Customer Per Month: 0.0

Outages per Customer per Month = (Total Customers Out / Total Customers) / (number of days / 30.417)

(The goal is a maximum of 0.6 outages per customer per month.)

Reliability: 99.9956%

Reliability = ((Total Customer Minutes - Total Customer Minutes Out) / Total Customer Minutes) x 100

(System reliability will normally be a number like 99.xxxx%.)

4/27/01

Outage Detail Log



All systems; Unplanned and Planned Outages from 1/1/01 through 3/31/01; Sorted by Date/Time
 Note: This report does not include open outages.

System Area Affected Type	Cause Fix Equipment		# Channels # Customers Technician	Declared On Site Cleared	Response Time Down Time Cust. Min. Out	
PD 1032 5 NODES Unplanned	131	VEHICLE HIT POLE	78	1/ 4/01	10:00AM	15 min.
	23	SPLICE/RE-SPLICE FIBER	350	1/ 4/01	10:15AM	645 min.
	FIBER	FIBER RELATED	14	1/ 4/01	8:45PM	225,750
PD 1032 NODE 148 Unplanned	1	CUT FEEDER	78	1/ 4/01	8:36PM	69 min.
	1	SPLICE CABLE	40	1/ 4/01	9:45PM	324 min.
	CABLE	CABLE RELATED	15	1/ 5/01	2:00AM	12,960
EQ 1032 NODE 457 Unplanned	86	NODE CONNECTOR	78	1/ 5/01	8:30PM	15 min.
	32	REPLACE/REPAIR NODE	50	1/ 5/01	8:45PM	20 min.
	FIBER	FIBER RELATED	15	1/ 5/01	8:50PM	1,000
D 1032 NODE 459 Unplanned	37	BLOWN LE FUSE	78	1/10/01	6:30PM	25 min.
	8	REPLACE FUSE	30	1/10/01	6:55PM	45 min.
	PASSIVE	PASSIVE DEVICE	13	1/10/01	7:15PM	1,350
EPD 1032 NODE 433 Unplanned	34	BLOWN POWER PAK FUSE	78	1/13/01	2:30PM	15 min.
	8	REPLACE FUSE	100	1/13/01	2:45PM	45 min.
	ACTIVE	ACTIVE DEVICE	14	1/13/01	3:15PM	4,500
PD 1032 NODE 257 Unplanned	88	PIG TAIL	78	1/16/01	2:00PM	30 min.
	23	SPLICE/RE-SPLICE FIBER	100	1/16/01	2:30PM	45 min.
	FIBER	FIBER RELATED	14	1/16/01	2:45PM	4,500
EQ 1032 NODE 304 Unplanned	44	GNA	78	1/23/01	6:30PM	15 min.
	12	REPLACE MODULE	50	1/23/01	6:45PM	45 min.
	ACTIVE	ACTIVE DEVICE	15	1/23/01	7:15PM	2,250
EPD 1032 NODE154 Unplanned	34	BLOWN POWER PAK FUSE	78	2/14/01	9:30PM	15 min.
	8	REPLACE FUSE	25	2/14/01	9:45PM	45 min.
	PASSIVE	PASSIVE DEVICE	13	2/14/01	10:15PM	1,125
VA 1032 NODE 478 Unplanned	128	POWER SURGE	78	2/15/01	9:30PM	15 min.
	6	REPLACE POWER SUPPLY	130	2/15/01	9:45PM	45 min.
	ACTIVE	ACTIVE DEVICE	15	2/15/01	10:15PM	5,850
EQ 1032 NODE 55	9	FEEDER CONNECTOR	78	2/19/01	5:45PM	5 min.
	3	REPLACE CONNECTOR	25	2/19/01	5:50PM	30 min.

332

4/27/01

Outage Detail Log



All systems; Unplanned and Planned Outages from 1/1/01 through 3/31/01; Sorted by Date/Time
 Note: This report does not include open outages.

System Area Affected Type	Cause Fix Equipment	# Channels # Customers Technician	Declared On Site Cleared	Response Time Down Time Cust. Min. Out
Unplanned	PASSIVE PASSIVE DEVICE	15	2/19/01 6:15PM	750
<i>EPD</i> 1032	33 BLOWN LPI FUSE	78	2/23/01 9:30AM	15 min.
NODE 498	34 RESET CIRCUIT BREAKER	56	2/23/01 9:45AM	45 min.
Unplanned	PASSIVE PASSIVE DEVICE	15	2/23/01 10:15AM	2,520
<i>Rm</i> 1032	135 SYSTEM MAINT	78	3/1/01 12:00AM	0 min.
NODE 240	29 COMPLETE MAINTENANCE WOR	4	3/1/01 12:00AM	60 min.
Planned	PASSIVE PASSIVE DEVICE	15	3/1/01 1:00AM	240
<i>EPD/A</i> 1032	34 BLOWN POWER PAK FUSE	78	3/6/01 5:00PM	10 min.
NODE 31	6 REPLACE POWER SUPPLY	59	3/6/01 5:10PM	25 min.
Unplanned	ACTIVE ACTIVE DEVICE	15	3/6/01 5:25PM	1,475
<i>PD</i> 1032	1 CUT FEEDER	78	3/6/01 7:30PM	60 min.
NODE 175	1 SPLICE CABLE	16	3/6/01 8:30PM	180 min.
Unplanned	CABLE CABLE RELATED	15	3/6/01 10:30PM	2,880

Count: 14
 Average Down Time (Minutes): 114
 Average # of Customers Out: 74
 Average Customer Minutes Out 19,082

7/30/01

Outage Performance

Jones Communications
Capitol Heights, MD



All systems; Unplanned and Planned Outages from 4/1/01 through 6/30/01

Note: This report does not include open outages.

# of Outages:	12
# of Days:	91
Total Customers Out (1):	533
Total Customers (1):	46,717
Total Customer Minutes Out (2):	32,998
Total Customer Minutes (2):	6,121,795,680

(1) Total customers out can be larger than total customers (a customer can experience more than one outage).

(2) It is not unusual for the number of minutes out to be in the millions.

of Prime Time Outages: 2 16.7%

Average Down Time (minutes): 67.0

(Prime Time is the "time of day" category(s) with the highest weight in the weights table.)

Average Outages Per Day: 0.1

Average Outages Per Day = # of Outages / # of days

(This number should normally be less than one.)

Outages Per Customer Per Month: 0.0

Outages per Customer per Month = (Total Customers Out / Total Customers) / (number of days / 30.417)

(The goal is a maximum of 0.6 outages per customer per month.)

Reliability: 99.9995%

Reliability = ((Total Customer Minutes - Total Customer Minutes Out) / Total Customer Minutes) x 100

(System reliability will normally be a number like 99.xxxx%.)

7/30/01

Outage Detail Log

Jones Communications
Capitol Heights, MD



All systems; Unplanned and Planned Outages from 4/1/01 through 6/30/01; Sorted by Date/Time
Note: This report does not include open outages.

System Area Affected Type	Cause Fix Equipment	# Channels # Customers Technician	Declared On Site Cleared	Response Time Down Time Cust. Min. Out		
EPDVA 1032 NODE 405 Unplanned	21 5 POWER	COMMERCIAL POWER OUTAGE RUN GENERATOR POWER RELATED	78 75 14	4/10/01 11:05PM 4/10/01 11:25PM 4/11/01 12:15AM	20 min. 70 min. 5,250	
	FD 1032 NODE 147 Unplanned	1 1 CABLE	CUT FEEDER SPLICE CABLE CABLE RELATED	78 10 14	5/3/01 8:41PM 5/3/01 9:05PM 5/3/01 9:15PM	24 min. 34 min. 340
		EQ 1032 NODE314 Unplanned	NODE 32 ACTIVE	NODE REPLACE/REPAIR NODE ACTIVE DEVICE	78 52 14	5/4/01 6:41PM 5/4/01 7:15PM 5/4/01 7:35PM
EQ 1032 NODE290 Unplanned			66 16 ACTIVE	MOTHERBOARD REPAIR/REPLACE MOTHERBOAR ACTIVE DEVICE	78 75 13	5/7/01 8:30AM 5/7/01 8:45AM 5/7/01 9:40AM
	EPDVA 1032 NODE 269 Unplanned		21 5 POWER	COMMERCIAL POWER OUTAGE RUN GENERATOR POWER RELATED	78 78 15	5/13/01 10:30AM 5/13/01 11:15AM 5/13/01 11:20AM
		EQ 1032 NODE 285 Unplanned	9 22 PASSIVE	FEEDER CONNECTOR REPLACE/REPAIR JUMPER/CONNE PASSIVE DEVICE	78 10 13	5/14/01 7:20PM 5/14/01 8:00PM 5/14/01 9:00PM
PDVA 1032 NODE 187 Unplanned			21 5 POWER	COMMERCIAL POWER OUTAGE RUN GENERATOR POWER RELATED	78 52 14	5/22/01 12:10AM 5/22/01 1:00AM 5/22/01 1:30AM
	PDVA 1032 NODE 525 Unplanned		21 5 POWER	COMMERCIAL POWER OUTAGE RUN GENERATOR POWER RELATED	78 32 13	5/22/01 8:30AM 5/22/01 9:00AM 5/22/01 9:30AM
		EQ 1032 203 YOKUM Unplanned	9 22 PASSIVE	FEEDER CONNECTOR REPLACE/REPAIR JUMPER/CONNE PASSIVE DEVICE	78 15 15	6/1/01 3:40PM 6/1/01 4:31PM 6/1/01 5:30PM
EQ 1032 NODE 20			9 22	FEEDER CONNECTOR REPLACE/REPAIR JUMPER/CONNE	78 18	6/4/01 4:15PM 6/4/01 4:30PM

7/30/01

Outage Detail Log

**Jones Communications
Capitol Heights, MD**



All systems; Unplanned and Planned Outages from 4/1/01 through 6/30/01; Sorted by Date/Time
 Note: This report does not include open outages.

System Area Affected Type	Cause Fix Equipment		# Channels # Customers Technician	Declared On Site Cleared	Response Time Down Time Cust. Min. Out
Unplanned	PASSIVE PASSIVE DEVICE		15	6/ 4/01 4:45PM	540
<i>PD</i> 1032	1 CUT FEEDER		78	6/ 5/01 2:15PM	15 min.
NODE 523	1 SPLICE CABLE		64	6/ 5/01 2:30PM	60 min.
Unplanned	CABLE CABLE RELATED		13	6/ 5/01 3:15PM	3,840
<i>EPOVA</i> 1032	21 COMMERCIAL POWER OUTAGE		78	6/10/01 9:30AM	20 min.
QUAKER LN	5 RUN GENERATOR		52	6/10/01 9:50AM	45 min.
Unplanned	POWER POWER RELATED		13	6/10/01 10:15AM	2,340

Count: 12
 Average Down Time (Minutes): 64
 Average # of Customers Out: 44
 Average Customer Minutes Out 2,750



2001 ANNUAL REPORT

YEAR'S ACTIVITIES SUMMARY

**Local Origination and Community
Programming Service to the Community
AUGUST 30, 2001**

YEAR'S ACTIVITIES SUMMARY
Local Origination and Community Programming
Service to the Community

- Sponsor for the Breast Cancer Walk
- Taped 5 minute Comcast Local Edition interviews to air on CNN Headline News
 - Elected officials
 - Community leaders
- Contribution to The Capital City Opera production of "Hanzel and Gretel"
- Contribution to Inova Hospital Foundation/Breast Cancer Walk
- Contribution to Alexandria Network Preschool
- Co-sponsor with American Movie Classics of the "Cool Woman" Campaign, a national program recognizing women throughout the country for their achievements. Contribution made to the Department of Human Services/Project Discovery
- Alexandria Technology Awards
- Alexandria Volunteer Bureau *An Evening in the heart of Alexandria*
- Hopkins House *Heart of the Community Awards*
- Read Across America
- Federal Communications Commission Tour
- Comcast Local Edition Interviews - Community leaders and Non-profit organizations
- Alexandria Christmas in April
- Washington Tennis Education Foundation – PSA's
- Comcast Student Achievement Scholarships
- Azalea Golf Tournament
- Partnered with the Alexandria Jaycees on Community Appreciation Night honoring outstanding City Employees
- Partnered with Alexandria Be Safe Coalition, the Police Department, and Department of Human Services to provide repaired bikes to the needy
- Hosted a Shadow Day for middle school students who participate in the Technology, Engineering, and Science (TEMS) Program.
- Participated in the selection process for awarding Alexandria Scholarships, and provided a Scholarship in Comcast's name
- Sponsored the wrap-up party for the Scholarship Fund Telethon Committee
- Sponsor of the Alexandria Philanthropy Summit
- Comcast sat on the Advisory Committee and the selection committee for the Philanthropy Summit Awards
- Sponsor of the Excellence in Education Awards

- Tournament Sponsor of the Small Fry Basketball Program
- Provided a Student Achievement Scholarship to a TC Williams graduate
- Donated to the TC Williams Drug and Alcohol Free Graduation Party
- Senior Services Banquet
- Salute to Women Awards
- Valor Awards
- 10 Sports Specials
- Holocaust Ceremony
- Senior Services Banquet
- Easter Tourney Basketball
- Philanthropy Summit Ceremony
- Donated printing and Flyers to promote the Reading Project with the Alexandria Education Partnership
- Agenda Alexandria
- Career & Tech Education Awards
- Youth Policy Commission
- Scholarship Fund Awards Ceremony
- Bishop Ireton Graduation
- Episcopal Graduation
- T.C. Williams Graduation
- St. Stephen/St. Agnes Graduation
- T.C. Williams Vs. Hayfield Football Game
- Successful Aging Program
- Episcopal Boys Soccer
- Bishop Ireton Girls Volleyball
- League of Women Voters Debate
- Gadsby's Tavern: Spirit of Preservation
- 67th NAACP Gala
- Tree Lighting Ceremony
- Scottish Christmas Walk
- Call to Community
- Martin Luther King Jr. Tribute
- Grace Episcopal Concert
- Alexandria Scholarship Fund Telethon
- George Washington Parade
- State of the City Address
- St. Patrick's Day Parade
- Sponsor of "New Teacher Welcome" with Alexandria Education Partnership