IOC
12-14-10

In-channel Frequency Response (amplitude characteristics)

FCC Requirement

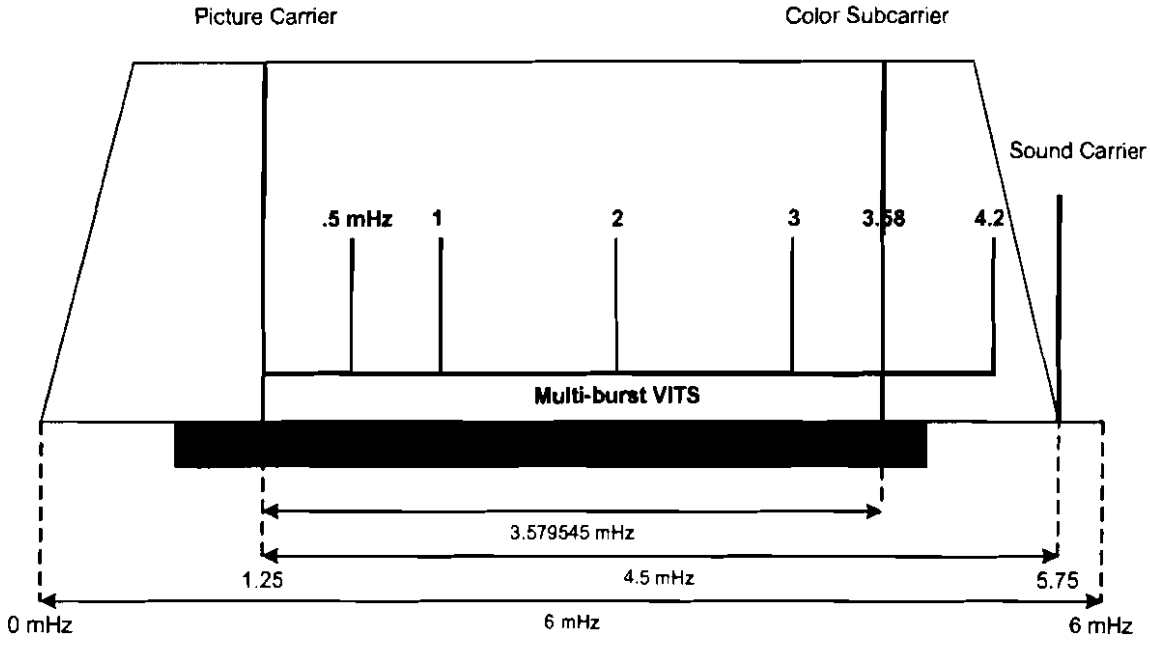
76.605 a 6

Amplitude Characteristics (In-Channel Response)

"The amplitude characteristic shall be within a range of ±2 decibels from 0.75 MHz to 5.0 MHz above the lower boundary frequency of the cable television channel, referenced to the average of the highest and lowest amplitudes within these frequency boundaries.

Prior to December 30, 1999, the amplitude characteristic may be measured after a subscriber tap and before a converter that is provided and maintained by the cable operator.

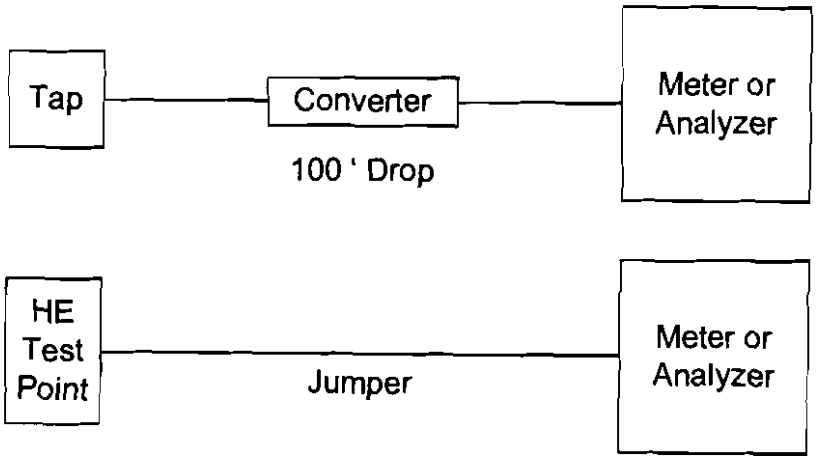
As of December 30, 1999, the amplitude characteristic shall be measured at the subscriber terminal."



The 6th multiburst packet falls outside the FCC testing range for CATV

Area Specifics

- Required at headend and test-points
- Measure test channels
- Measure thru converter
- Insert VITS at headend for modulated channels
- Use programmer's multi-burst if available
- Broadcaster multi-burst is typically found at: field 2, line 19
- Disregard 6th multi-burst packet on manual measurements



Note: May require VITS insertion at headend if no broadcaster multi-burst available

System Specific Notes:

Frequency Measurement

FCC Requirement

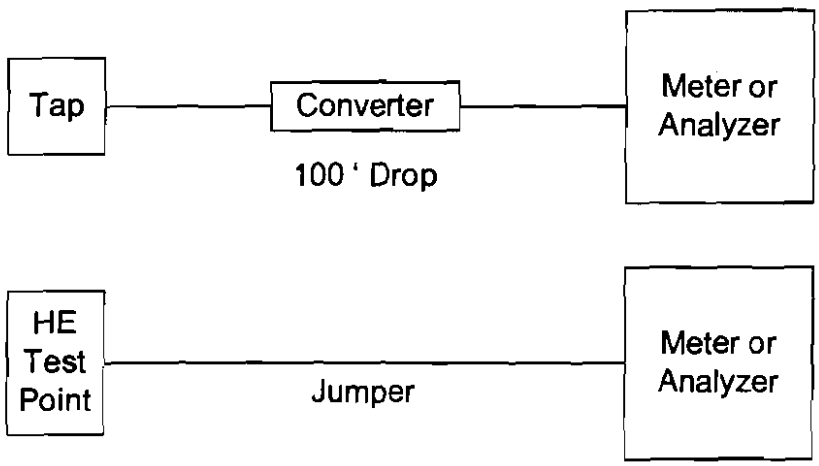
76.605 a 2

Aural Offset Frequency:

"The aural center frequency of the aural carrier must be 4.5 MHz ± 5 kHz above the frequency of the visual carrier at the (headend), and at the subscriber terminal."

Area Specifics

- Count visual and aural carriers (documentation should have visual carrier frequency, aural carrier frequency, and ~ 4.5 MHz offset)
- Test and document all channels at headend
- Test and document all channels at end of 100' drop (all test-points)
- Test and document only the test channels thru converter (all test-points)
- Connect calibrated frequency counter
- Refer to manufacturer's instructions



The rules say that this should be measured in the headend and at the subscriber terminal.

The frequencies at the tap and at the output of the set-top converter — depending on the type of converter being used — may be different. So, is it necessary to measure the aural offset frequencies on all channels? The answer is no! The rules also say that the aural offset frequency is one of the tests that are only required on the test channels.

As a practical matter, we run this test by measuring the frequencies of all channels in the headend, then, in the field, we measure all channels off the tap — and only the test channels at the output of a set-top converter. For most systems, frequencies measured at the tap will be no different than those in the headend.

The aural offset frequencies measured at the output of a set-top converter will also be the same as those in the headend — except when a baseband type of converter is used. For a baseband converter, the aural offset frequency is essentially constant. In the field, there's no need to go beyond the minimum required tests.

System Specific Notes:

Carrier Level Measurements

FCC Requirement

76.605

(3) The visual signal level, across a terminating impedance which correctly matches the internal impedance of the cable system as viewed from the subscriber terminal, shall not be less than 1 millivolt across an internal impedance of 75 ohms (0 dBmV). Additionally, as measured at the end of a 30 meter (100 foot) cable drop that is connected to the subscriber tap, it shall not be less than 1.41 millivolts across an internal impedance of 75 ohms (+3 dBmV). (At other impedance values, the minimum visual signal level, as viewed from the subscriber terminal, shall be the square root of 0.0133 (Z) millivolts and, as measured at the end of a 30 meter (100 foot) cable drop that is connected to the subscriber tap, shall be 2 times the square root of 0.00662(Z) millivolts, where Z is the appropriate impedance value.)

(4) The visual signal level on each channel, as measured at the end of a 30 meter cable drop that is connected to the subscriber tap, shall not vary more than 8 decibels within any six-month interval, which must include four tests performed in six-hour increments during a 24-hour period in July or August and during a 24-hour period in January or February, and shall be maintained within:

(i) 3 decibels (dB) of the visual signal level of any visual carrier within a 6 MHz nominal frequency separation;

(ii) 10 dB of the visual signal level on any other channel on a cable television system of up to 300 MHz of cable distribution system upper frequency limit, with a 1 dB increase for each additional 100 MHz of cable distribution system upper frequency limit (*e.g.*, 11 dB for a system at 301-400 MHz; 12 dB for a system at 401-500 MHz, *etc.*); and

(iii) A maximum level such that signal degradation due to overload in the subscriber's receiver or terminal does not occur.

(5) The rms voltage of the aural signal shall be maintained between 10 and 17 decibels below the associated visual signal level. This requirement must be met both at the subscriber terminal and at the output of the modulating and processing equipment (generally the headend). For subscriber terminals that use equipment which modulate and remodulate the signal (*e.g.*, baseband converters), the rms voltage of the aural signal shall be maintained between 6.5 and 17 decibels below the associated visual signal level at the subscriber terminal.

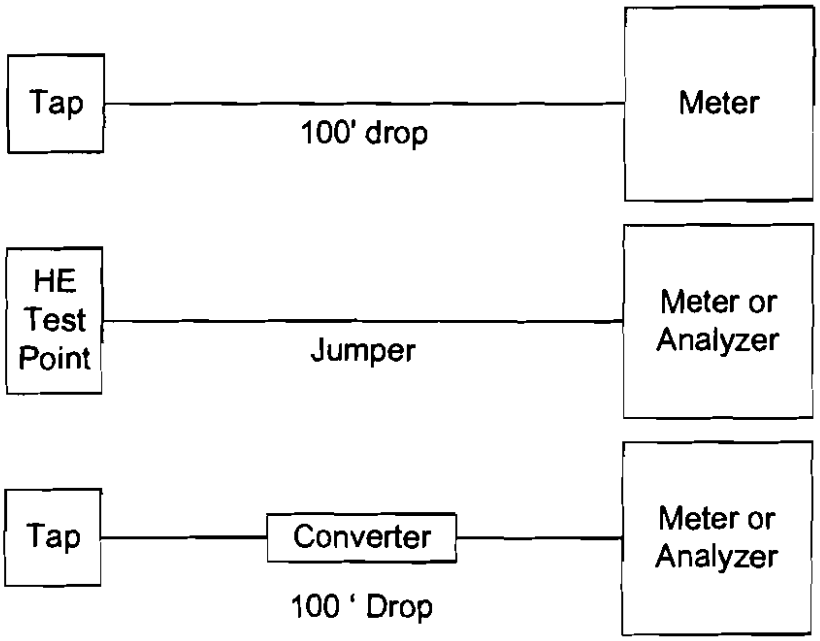
Area Specifics

- All channels at headend, video and aural (FCC only requires aural at headend)
- All channels, video and aural, tested end of 100' drop
- All channels, video and aural, tested thru converter, unless samples are provided proving levels do not change thru converter, if so just test channels (see below)
- Minimum 0 dBmv at subscriber terminal
- Minimum 3 dBmv at end of 100' drop
- Maximum where customer equipment is not overloaded
- Aural signal between 10 and 17 dB below video at headend and tap, between 6.5 and 17 dB thru converter
- Twenty-four hour tests satisfy this requirement for the tap, but not the converter (subscriber terminal)
- Converter tests should be done when twenty-four hour tests are done

According to the rules, this should be measured on all channels at the subscriber terminal. For most systems, this means at the tap and at the output of the converter. With the automated test capabilities available today, tests at the tap are a

simple matter of running a carrier survey. Tests at the output of the converter are not so simple because the test must be paused long enough to change channels on the converter.

Here's the way we approach this test. We measure all levels at the tap. If the converter being used is a baseband converter (demod, remod type), the levels at the output of the converter don't change. So, rather than test all channels at the converter's output, we only check the test channels and put a note in the report indicating that the level doesn't change at the output of the converter as demonstrated by the samples. For other converters, we go ahead and run the tests on all channels. We have a simple program to perform the tests using our signal level meter and a notebook computer.



System Specific Notes:

Twenty-Four Hour Carrier Level Measurements

FCC Information

76.605 a 4 i,ii,iii

24 Hour Tests

"The visual signal level on each channel, as measured at the end of a 30 meter cable drop that is connected to the subscriber tap, shall not vary more than 8 decibels within any six-month interval, which must include four tests performed in six-hour increments during a 24-hour period in July or August and during a 24-hour period in January or February, and shall be maintained within:

3 dB of the visual signal level of any visual carrier within a 6 MHz nominal frequency separation:

10 dB of the visual signal level on any other channel on a cable television system up to 300 MHz of cable distribution system upper frequency limit, with a 1 dB increase for for each additional 100 MHz of cable distribution system upper frequency limit (e.g., 11 dB for a system at 301-400MHz); 12 dB for a system at 401-500 MHz etc.); and

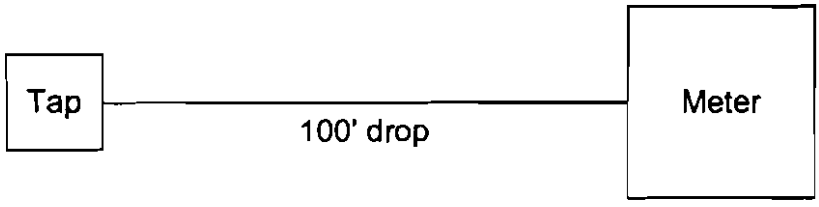
A maximum level such that signal degradation due to overload in the subscriber's receiver or terminal does not occur."

Area Specifics

- All measurements are made at the end of a 30 meter (100') drop, no converter required
- Automated tests are permitted
- Test times must represent the warmest and coolest part of the day
- Time and temperature must be logged
- Minimum signal level of any visual carrier must be 3 dBmv or better
- Maximum adjacent channel level difference with 6 MHz must be 3 dB or less
- Maximum channel level difference must be 10 dB for 300 MHz, 11 dB for 400 MHz, etc.
- Maximum signal level change over 24 hours must not exceed 8 dB
- Maximum signal level change over 6 month period must not exceed 8 dB

Methodology

Sample signal as outlined above either with automated testing, or manually.



Chapter 7 - Manufacturer's Tap Specifications or Tap Port Isolation Tests

*Refer to manufacturer's specifications.

Insert copies of tap specification sheets into this section of document. Required for ALL taps used in system. Insert converter specification sheets into this section of the document.

REGAL®

RMT2000 1 GHz MULTI-TAPS

ARRIS
TeleWire Supply®

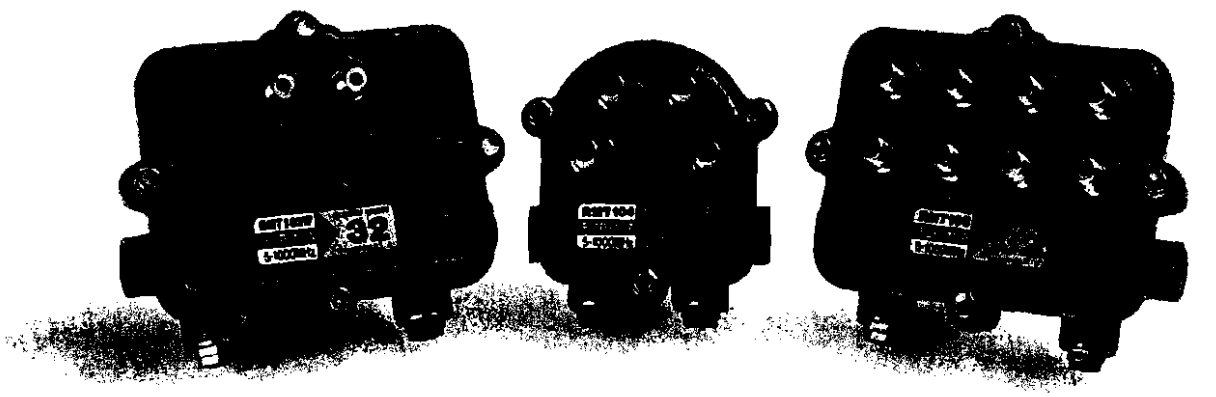
APPLICATION

In today's systems more power is required to meet the demand for video, voice and data services. In order to meet these requirements, Regal introduced the RMT2000 RF Only Tap. This RF Only Tap is an integral part of the RMT2000 family. With its 12 amp current capacity and improved RF performance the network's powering capacity can be upgraded without the expense of power passing taps. When it is necessary to convert to power extracting capability, simply switch the faceplate.

Regal was the first to develop the Continuous Power Bus (CPB), a standard feature in the RMT2000, which provides uninterrupted power and RF service even if the faceplate is removed. To avoid having to replace all existing taps, Regal developed a field upgradeable, migration strategy.

BENEFITS

- 5 MHz to 1 GHz bandwidth capacity; low loss performance
- Migration strategy allows the operator to upgrade network power capacity without the expense of power passing taps
- Can upgrade from existing Regal taps simply by switching the faceplate



REGAL®

RMT2000 1 GHz MULTI-TAPS

ARRIS
TeleWire Supply®

FEATURES

- Factory installed Continuous Power Bus (CPB) for uninterrupted power and RF service when the faceplate is removed
- 1 Kv blocking capacitor protects the F-port from power surges
- 12 amp current capacity improved
- Superior EMI isolation characteristics and corrosion protection
- Available in narrow and wide-body housings

SPECIFICATIONS

RMT2002-RF-XX (XX Denotes Tap Value)

1 GHz, 2-Way RF Only Narrow Body Multi-Tap

Return Loss (In/Out/Tap, Min.)

Frequency (MHz)	5-10	11-20	21-400	401-500	501-600	601-700	701-900	901-1000
Return Loss (dB)	16	18	18	18	17	16	16	16
RMT2002-RF-4 (dB)	16	18	18	18	17	16	16	16

Insertion Loss (Max.)

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-10 MHz	T	3.5	1.7	1.2	0.7	0.5	0.4	0.4	0.4	0.4
11-50 MHz	T	3.5	1.6	1.1	0.7	0.5	0.4	0.4	0.4	0.4
51-100 MHz	T	3.5	1.6	1.1	0.7	0.5	0.5	0.5	0.5	0.5
101-300 MHz	T	3.8	1.9	1.4	1.0	0.7	0.7	0.7	0.7	0.7
301-400 MHz	T	3.9	1.9	1.4	1.0	0.8	0.8	0.8	0.8	0.8
401-500 MHz	T	4.1	2.1	1.5	1.0	0.8	0.8	0.8	0.8	0.8
501-600 MHz	T	4.3	2.3	1.6	1.1	0.8	0.8	0.8	0.8	0.8
601-700 MHz	T	4.6	2.5	1.8	1.3	1.0	0.9	0.9	0.9	0.9
701-800 MHz	T	4.9	2.8	2.1	1.4	1.2	1.1	1.1	1.1	1.1
801-900 MHz	T	5.0	3.1	2.6	1.7	1.4	1.3	1.3	1.3	1.3
901-1000 MHz	T	5.0	3.5	3.1	2.3	1.8	1.7	1.7	1.7	1.7

Tap-to-Tap Isolation (Min.)

Frequency (MHz)	5-10	11-20	21-400	401-500	501-600	601-700	701-900	901-1000
Tap-to-Tap (dB)	18	23	25	25	23	21	21	19
RMT2002-RF-11 (dB)	18	20	20	20	20	20	20	19

Tap Loss Tolerance

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-500 MHz	±1.0	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5
501-600 MHz	±1.3	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5
601-900 MHz	±1.7	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.8
901-1000 MHz	±2.0	±1.8	±1.8	±1.8	±1.8	±1.8	±1.8	±1.8	±1.8	±2.0

Output-to-Tap Isolation (Min.)

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-10 MHz	T	18	18	20	30	30	35	38	40	42
11-50 MHz	T	20	25	20	30	30	37	45	42	43
51-300 MHz	T	25	25	25	30	30	35	35	42	44
301-400 MHz	T	23	23	23	30	30	33	35	42	44
401-500 MHz	T	22	22	22	30	30	33	33	40	42
501-600 MHz	T	21	21	21	30	27	32	30	39	41
601-900 MHz	T	19	19	19	28	25	28	26	30	32
901-1000 MHz	T	18	18	18	25	23	27	25	27	31

Specifications are subject to change without notice.

SPECIFICATIONS

RMT2004-RF-XX (XX Denotes tap Value)

1 GHz, 4-Way RF Only Narrow Body Multi-Tap

Return Loss (In/Out/Tap, Min.)

Frequency (MHz)	5-10	11-20	21-400	401-500	501-600	601-700	701-900	901-1000
Return Loss (dB)	16	18	18	18	17	16	16	16
RMT2004-RF-8 (dB)	16	18	18	18	17	16	16	16

Insertion Loss (Max.)

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-10 MHz	N/A	T	3.5	1.7	1.2	0.9	0.7	0.4	0.4	0.4
11-50 MHz	N/A	T	3.6	1.6	1.1	0.8	0.6	0.4	0.4	0.4
51-100 MHz	N/A	T	3.8	1.9	1.3	0.9	0.6	0.5	0.5	0.5
101-300 MHz	N/A	T	3.8	1.9	1.3	1.1	0.8	0.7	0.7	0.7
301-400 MHz	N/A	T	4.0	2.1	1.6	1.1	0.9	0.9	0.9	0.9
401-500 MHz	N/A	T	4.0	2.2	1.6	1.2	0.9	0.8	0.8	0.8
501-600 MHz	N/A	T	4.2	2.3	1.7	1.2	1.0	0.9	0.8	0.8
601-700 MHz	N/A	T	4.7	2.6	1.9	1.3	1.1	1.0	0.9	0.9
701-800 MHz	N/A	T	4.9	2.8	2.2	1.5	1.3	1.2	1.2	1.2
801-900 MHz	N/A	T	4.9	3.3	2.5	1.7	1.4	1.4	1.4	1.4
901-1000 MHz	N/A	T	5.0	3.8	3.0	2.1	1.7	1.7	1.7	1.7

Tap-to-Tap Isolation (Min.)

Frequency (MHz)	5-10	11-20	21-400	401-500	501-600	601-700	701-900	901-1000
Tap-to-Tap (d8)	18	23	25	25	23	21	21	19
RMT2004-RF-14 (d8)	18	21	23	23	23	23	22	19

Tap Loss Tolerance

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-500 MHz	N/A	±1.0	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5
501-600 MHz	N/A	±1.3	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5
601-900 MHz	N/A	±1.7	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.8
901-1000 MHz	N/A	±2.0	±1.8	±1.8	±1.8	±1.8	±1.8	±1.8	±1.8	±2.0

Output-to-Tap Isolation (Min.)

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-10 MHz	N/A	T	18	20	23	35	35	38	40	42
11-50 MHz	N/A	T	25	20	26	35	37	40	42	43
51-300 MHz	N/A	T	25	23	23	35	35	35	40	41
301-400 MHz	N/A	T	23	21	23	35	33	34	40	41
401-500 MHz	N/A	T	22	20	21	33	33	33	38	39
501-600 MHz	N/A	T	21	22	20	33	32	30	37	37
601-900 MHz	N/A	T	20	19	19	30	28	26	30	32
901-1000 MHz	N/A	T	18	18	18	28	27	25	27	31

Specifications are subject to change without notice.

SPECIFICATIONS

RMT2002W-RF-XX (XX Denotes Tap Value)

1 GHz, 2-Way RF Only Wide Body Multi-Tap

Return Loss (In/Out/Tap, Min.)

Frequency (MHz)	5-10	11-20	21-400	401-500	501-600	601-700	701-900	901-1000
Return Loss (dB)	16	18	18	18	17	16	16	16
RMT2002W-RF-4 (dB)	16	18	18	18	17	16	16	16

Insertion Loss (Max.)

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-10 MHz	T	3.5	1.7	1.2	0.7	0.7	0.7	0.7	0.7	0.7
11-50 MHz	T	3.5	1.6	1.2	0.7	0.7	0.7	0.7	0.7	0.7
51-100 MHz	T	3.7	1.6	1.2	0.7	0.7	0.7	0.7	0.7	0.7
101-300 MHz	T	3.8	1.7	1.3	0.8	0.7	0.7	0.7	0.7	0.7
301-400 MHz	T	3.9	1.9	1.6	1.0	1.0	0.8	0.8	0.8	0.8
401-500 MHz	T	3.9	2.1	1.6	1.0	1.0	0.8	0.8	0.8	0.8
501-600 MHz	T	4.2	2.2	1.6	1.1	1.0	0.8	0.8	0.8	0.8
601-700 MHz	T	4.5	2.4	1.8	1.3	1.1	0.9	0.9	0.9	0.9
701-800 MHz	T	4.6	2.6	2.1	1.4	1.2	1.1	1.1	1.1	1.1
801-900 MHz	T	4.7	2.8	2.4	1.6	1.3	1.3	1.3	1.3	1.3
901-1000 MHz	T	4.8	3.3	2.9	1.9	1.6	1.6	1.6	1.6	1.6

Tap-to-Tap Isolation (Min.)

Frequency (MHz)	5-10	11-20	21-400	401-500	501-600	601-700	701-900	901-1000
Tap-to-Tap (dB)	18	23	25	25	23	21	21	18

Tap Loss Tolerance

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-500 MHz	±1.0	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5
501-600 MHz	±1.3	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5
601-900 MHz	±1.7	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5
901-1000 MHz	±2.0	±1.8	±1.8	±1.8	±1.8	±1.8	±1.8	±1.8	±1.8	±2.0

Output-to-Tap Isolation (Min.)

Tap Value (d8)	4	8	11	14	17	20	23	26	29	32
5-10 MHz	T	18	18	20	30	30	35	38	40	42
11-50 MHz	T	25	25	20	30	30	37	40	42	43
51-300 MHz	T	25	25	23	30	30	35	35	42	44
301-400 MHz	T	23	23	21	30	30	33	34	42	44
401-500 MHz	T	22	22	20	30	30	33	33	40	42
501-600 MHz	T	21	21	20	30	27	32	30	39	41
601-900 MHz	T	19	19	19	28	25	26	26	30	32
901-1000 MHz	T	18	18	18	25	23	25	25	27	31

Specifications are subject to change without notice.

SPECIFICATIONS

RMT2004W-RF-XX (XX Denotes Tap Value)

1 GHz, 4-Way RF Only Wide Body Multi-Tap

Return Loss (In/Out/Tap, Min.)

Frequency (MHz)	5-10	11-20	21-400	401-500	501-600	601-700	701-900	901-1000
Return Loss (dB)	16	18	18	18	17	16	16	16
RMT2004W-RF-8 (dB)	16	18	18	18	17	16	16	16
RMT2004W-RF-14 (dB)	16	18	18	18	17	16	16	16

Insertion Loss (Max.)

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-10 MHz	N/A	T	3.3	1.7	1.3	0.9	0.8	0.7	0.7	0.7
11-50 MHz	N/A	T	3.5	1.6	1.2	0.8	0.7	0.7	0.7	0.7
51-100 MHz	N/A	T	3.7	1.9	1.4	1.1	0.8	0.7	0.7	0.7
101-300 MHz	N/A	T	3.7	1.9	1.4	1.1	0.8	0.8	0.7	0.7
301-400 MHz	N/A	T	4.0	2.0	1.6	1.3	1.0	0.8	0.8	0.8
401-500 MHz	N/A	T	4.0	2.1	1.6	1.3	1.0	0.8	0.8	0.8
501-600 MHz	N/A	T	4.2	2.2	1.7	1.3	1.0	0.8	0.8	0.8
601-700 MHz	N/A	T	4.4	2.5	2.0	1.3	1.1	0.9	0.9	0.9
701-800 MHz	N/A	T	4.6	2.8	2.3	1.5	1.2	1.1	1.1	1.1
801-900 MHz	N/A	T	4.6	3.1	2.7	1.7	1.4	1.3	1.3	1.3
901-1000 MHz	N/A	T	4.8	3.6	3.0	2.1	1.6	1.6	1.6	1.6

Tap-to-Tap Isolation (min.)

Frequency (MHz)	5-10	11-20	21-400	401-500	501-600	601-700	701-900	901-1000
Tap-to-Tap (dB)	20	23	25	25	25	21	21	19
RMT2004W-RF-8 (dB)	18	23	25	25	23	21	21	19
RMT2004W-RF-14 (dB)	18	20	20	20	20	20	20	18

Tap Loss Tolerance

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-500 MHz	N/A	±1.0	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±2.0
501-600 MHz	N/A	±1.3	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±2.0
601-900 MHz	N/A	±1.7	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±2.0
901-1000 MHz	N/A	±2.0	±1.8	±1.8	±1.8	±1.8	±1.8	±1.8	±1.8	±2.0

Output-to-Tap Isolation (Min.)

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-10 MHz	N/A	T	18	20	25	33	35	38	40	42
11-50 MHz	N/A	T	25	20	25	33	37	40	42	43
51-300 MHz	N/A	T	25	23	23	33	35	35	40	42
301-400 MHz	N/A	T	25	21	23	31	32	34	40	42
401-500 MHz	N/A	T	23	20	21	30	30	33	38	40
501-600 MHz	N/A	T	22	20	20	28	28	30	37	38
601-900 MHz	N/A	T	20	19	19	27	25	26	30	32
901-1000 MHz	N/A	T	18	18	18	25	24	25	27	31

Specifications are subject to change without notice.

SPECIFICATIONS

RMT2008-RF-XX (XX Denotes Tap Value)

1 GHz, 8-Way RF Only Wide Body Multi-Tap

Return Loss (In/Out/Tap, Min.)

Frequency (MHz)	5-10	11-20	21-400	401-500	501-600	601-700	701-900	901-1000
Return Loss (dB)	16	18	18	18	17	16	16	16
RMT2008-RF-11 (dB)	16	18	18	18	17	16	16	16

Insertion Loss (Max.)

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-10 MHz	N/A	N/A	T	3.5	1.8	1.2	1.0	0.9	0.7	0.7
11-50 MHz	N/A	N/A	T	3.5	1.7	1.1	0.9	0.9	0.6	0.6
51-100 MHz	N/A	N/A	T	3.8	1.9	1.2	0.9	0.9	0.7	0.7
101-300 MHz	N/A	N/A	T	3.8	2.0	1.3	1.0	0.9	0.9	0.9
301-400 MHz	N/A	N/A	T	3.9	2.1	1.4	1.1	1.0	0.9	0.9
401-500 MHz	N/A	N/A	T	4.2	2.2	1.6	1.2	1.1	1.0	1.0
501-600 MHz	N/A	N/A	T	4.4	2.3	1.7	1.5	1.3	1.1	1.1
601-700 MHz	N/A	N/A	T	4.5	2.5	1.8	1.5	1.3	1.1	1.1
701-800 MHz	N/A	N/A	T	4.6	3.0	2.0	1.5	1.3	1.3	1.3
801-900 MHz	N/A	N/A	T	4.7	3.2	2.4	1.8	1.4	1.4	1.4
901-1000 MHz	N/A	N/A	T	4.9	3.6	2.9	2.1	1.7	1.7	1.7

Tap-to-tap isolation (Min.)

Frequency (MHz)	5-10	11-20	21-400	401-500	501-600	601-700	701-900	901-1000
Tap-to-Tap (dB)	18	23	23	23	20	18	18	18

Tap Loss Tolerance

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-500 MHz	N/A	N/A	±1.0	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5
501-600 MHz	N/A	N/A	±1.3	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.8
601-900 MHz	N/A	N/A	±1.8	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±2.0
901-1000 MHz	N/A	N/A	±2.3	±2.3	±1.8	±1.8	±1.8	±1.8	±1.8	±2.3

Output-to-Tap Isolation (Min.)

Tap Value (dB)	4	8	11	14	17	20	23	26	29	32
5-10 MHz	N/A	N/A	T	18	20	26	35	35	38	40
11-50 MHz	N/A	N/A	T	25	20	26	35	37	40	42
51-300 MHz	N/A	N/A	T	25	23	23	35	35	35	42
301-400 MHz	N/A	N/A	T	25	21	23	35	33	34	42
401-500 MHz	N/A	N/A	T	23	20	21	33	33	33	40
501-600 MHz	N/A	N/A	T	22	20	20	32	32	30	39
601-900 MHz	N/A	N/A	T	20	19	19	30	28	26	30
901-1000 MHz	N/A	N/A	T	18	18	18	28	27	25	27

Specifications are subject to change without notice.

GENERAL SPECIFICATIONS

EMI Sheilding	**100dB Minimum**
Power Rating	12 amps ac, 60-90 Volts, 1-60 Hz
Hum Modulation @ 10 amps; 90 V, 60 Hz	70 dB Typical, 60 dB Minimum
Water Tight	15 PSI
Pedestal Port Spacing	
2 and 4 Narrow Body, in. (cm.)	1.5 (3.81) (Center to Center)
8-Way Wide Body, in. (cm.)	3.0 (7.62) (Center to Center)
Physical Dimensions	
Narrow Body (L x W x H) in. (cm)	3.75 x 3.5 x 2.5 (9.53 x 8.89 x 6.35)
Wide Body (L x W x H) in. (cm)	4.5 x 5.25 x 2.25 (11.43 x 13.33 x 5.72)
Torque Specifications	
Housing Closure Screws	20-30 in./lbs.
Center Conductor Seizure	7-10 in./lbs.
Port Plugs	10-15 in./lbs.
F-Ports	30-40 in./lbs.

ORDERING INFORMATION

Narrow Body Taps

2-Way		4-Way	
Model #	**Part #**	**Model#**	**Part #**
RMT2002-RF-4	251957	RMT2004-RF-8	251968
RMT2002-RF-8	251958	RMT2004-RF-11	251969
RMT2002-RF-44	251959	RMT2004-RF-14	251970
RMT2002-RF-14	251960	RMT2004-RF-17	251971
RMT2002-RF-17	251961	RMT2004-RF-20	251972
RMT2002-RF-20	251962	RMT2004-RF-23	251973
RMT2002-RF-23	251963	RMT2004-RF-26	251974
RMT2002-RF-26	251964	RMT2004-RF-29	251975
RMT2002-RF-29	251965	RMT2004-RF-32	251976
RMT2002-RF-32	251966		

Wide Body Taps

2-Way		4-Way		8-Way	
Model #	**Part #**	**Model #**	**Part #**	**Model #**	**Part #**
RMT2002W-RF-4	251987	RMT2004W-RF-8	251998	RMT2008-RF-11	251978
RMT2002W-RF-8	251988	RMT2004W-RF-11	251999	RMT2008-RF-14	251979
RMT2002W-RF-11	251989	RMT2004W-RF-14	252000	RMT2008-RF-17	251980
RMT2002W-RF-14	251990	RMT2004W-RF-17	252001	RMT2008-RF-20	251981
RMT2002W-RF-17	251991	RMT2004W-RF-20	252002	RMT2008-RF-23	251982
RMT2002W-RF-20	251992	RMT2004W-RF-23	252003	RMT2008-RF-26	251983
RMT2002W-RF-23	251993	RMT2004W-RF-26	252004	RMT2008-RF-29	251984
RMT2002W-RF-26	251994	RMT2004W-RF-29	252005	RMT2008-RF-32	251985
RMT2002W-RF-29	251995	RMT2004W-RF-32	252006		
RMT2002W-RF-32	251996				

Chapter 8 – Headend/Hub Tests Results

Insert documentation on headend and hub testing in this section, including frequency measurements, most recent color tests, carrier level measurements, hum measurements, in-channel response measurements, and any other additional testing. Auto-tests are typically done with the headend as an additional test point for carrier levels; insert FamilyWare headend test point documentation here.

Note: only use auto-test mode for carrier levels. Use manual measurements for hum, carrier to noise, etc.

Headend/Hub Performance Tests

Score: 100 PASS

Alexandria
8/8/2009

Note: Color test data is required, use last test if no current test completed and indicate date at base of column

	76.605 (a)(11)(i)	76.605 (a)(11)(ii)	76.605 (a)(11)(iii)	Frequency Accuracy			Carrier Levels			Hum	ICR	C/N	CSO	CTB
	< 170 ns	< 20%	< 10.0 deg.											
Chan.	Chroma/Lumi Delay (ns)	Differential Gain %	Differential Phase degrees	Video MHz	Audio MHz	Delta MHz	Video dBmV	Audio dBmV	Delta dBc	%	+/- dB	dBc	dBc	dBc
2	16	3.00	1.5	55.2500	59.7500	4.5000	12.3	-4.1	16.4	0.8	0.70	53.9	76.3	67.5
3				61.2500	65.7500	4.5000	11.3	-3.7	15					
4				67.24	71.7400	4.5000	11.5	-4.5	16					
5				77.25	81.7500	4.5000	11.5	-3.6	15.1					
6				83.25	87.7500	4.5000	11.6	-3.6	15.2					
14				121.25	125.7525	4.5000	11.4	-3.5	14.9					
15				127.25	131.7525	4.5000	11.6	-3.4	15					
16				133.25	137.7525	4.5000	11.3	-5.1	16.4					
17				139.25	143.7525	4.5000	11	-3.1	14.1					
18				145.25	149.7500	4.5000	11.4	-1.6	13	0.8	0.80	53.0	71.9	68.9
19				151.25	155.7500	4.5000	11.2	-3.5	14.7					
20				157.25	161.7500	4.5000	11.3	-3.6	14.9					
7				171.25	175.7500	4.5000	11.2	-1.3	12.5					
8	32	3.70	1.7	175.25	179.7600	4.5000	11.2	-4.1	15.3	0.9	1.10	53.8	72.6	70.9
9				181.25	185.7500	4.5000	11.4	-3.7	15.1					
10				187.25	191.7500	4.5000	11.4	-1.1	12.5					
11				193.25	197.7500	4.5000	11.8	-2.5	14.3	0.7	0.70	52.8	72.7	67.7
12				199.25	203.7500	4.5000	11.2	-3.4	14.6					
13				205.25	209.7500	4.5000	11.3	-3.5	14.8					
23				217.25	221.7500	4.5000	10.8	-3.2	14					
26				235.2500	239.7500	4.5000	11.4	-5.6	17					
27				235.2500	239.7500	4.5000	11.3	-3.4	14.7					
28	12	2.80	0.8	241.2500	245.7500	4.5000	11.7	-3.4	15.1	0.9	0.70	53.0	74.8	68.7
29				247.2500	251.7500	4.5000	11.5	-3.5	15					
30				253.2500	257.7500	4.5000	11.2	-3.7	14.9					
31				259.2500	263.7500	4.5000	11.3	-3.2	14.5					
32	32	2.60	1.2	265.2500	269.7500	4.5000	11.6	-2.9	14.5	0.8	0.60	52.7	73.1	65.3
33				271.2500	275.7500	4.5000	11.1	-3.8	14.9					
34				277.2500	281.7500	4.5000	11.2	-3.8	15					
35				283.2500	287.7500	4.5000	10.9	-4	14.9					
36				289.2500	293.7500	4.5000	11.1	-3.7	14.8					
38				301.2500	305.7500	4.5000	11	-3.6	14.6					
39				307.2500	311.7500	4.5000	10.6	-3.8	14.4					
41				325.25	329.7525	4.5000	11.1	-3.5	14.6					
42				331.25	335.7525	4.5000	11.2	-3.8	15					
43				337.25	341.7525	4.5000	11.4	-3.7	15.1					
44				343.25	347.7525	4.5000	11.2	-4	15.2					
46				355.25	359.7525	4.5000	11.2	-3.3	14.5					
47	19	3.90	1	361.25	365.7525	4.5000	11	-4.5	15.5	0.7	0.80	52.5	67.6	73.7
48				367.25	371.7525	4.5000	11.2	-3.5	14.7					
49				373.25	377.7525	4.5000	11.2	-3.6	14.8					
50				379.25	383.7525	4.5000	11.6	-3.3	14.9					
51				385.25	389.7525	4.5000	11.6	-3.3	14.9					
52				391.25	395.7525	4.5000	11.3	-3.1	14.4					
53				397.25	401.7525	4.5000	11.7	-2.5	14.2					
54				403.25	407.7500	4.5000	11.7	-3.1	14.8					
56	29	2.5	1	415.25	419.7500	4.5000	10.9	-1.2	12.1	0.4	0.90	52.4	71.4	66.5
57				421.25	425.7500	4.5000	11.5	-3.2	14.7					
59				433.25	437.7500	4.5000	10.8	-3.5	14.3					
60				439.25	443.7500	4.5000	11.1	-4.1	15.2					
61				445.25	449.7500	4.5000	10.4	-5.1	15.5					
62				451.25	455.7500	4.5000	10.9	-4.6	15.5					
63				457.25	461.7500	4.5000	10.9	-4	14.9					
64				463.25	467.7500	4.5000	10.8	-3.9	14.7					
65				469.25	473.7500	4.5000	10.8	-4.4	15.2					
67				481.25	485.7500	4.5000	10.9	-3.7	14.6					
69				493.25	497.7500	4.5000	11.2	-5.6	16.8					
70				499.25	503.7500	4.5000	10.9	-5	15.9					
71				505.25	509.7500	4.5000	10.9	-2.9	13.8					
72	21	2.6	1	511.25	515.7500	4.5000	11.9	-4.1	16	0.8	0.5	50.7	70.9	67.8
73				517.25	521.7500	4.5000	10.7	-3.9	14.6					
78				535.25	539.7500	4.5000	10.8	-4.4	15					
77				541.25	545.7500	4.5000	10.8	-4.6	15.4					
dates	8/15/2008	8/15/2008	8/15/2008											

Most Recent Color Test

Edit table as necessary or insert completed forms from field into this section

	76.606 (a)(11) < 170 ns Chroma/Lumi Delay		76.606 (a)(12) < 20% Differential Gain		76.606 (a)(13) < 10.0 deg. Differential Phase	
Chan.	(ns)	FLAG	%	FLAG	degrees	FLAG
2	16		3		1.5	
95	25		2.9		.8	
21	23		2.4		1	
8	32		3.7		1.7	
28	12		2.8		.8	
32	32		2.8		1.2	
47	19		3.9		1	
56	29		2.5		1	
72	21		2.8		1	

Add to table as necessary for all channels

Chapter 9 - Test Point Tests Results

Insert POP reports, field sheets etc. in this section. Insert test points in order.

Testpoint: (TP01) 85 S. Bragg St. Cascade: Node Node #: AX047 Tap Value
Testdate: 8/15/09 Pole #: Print #: H-1 HE/Hub Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score		100	PASS
Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data						
temp	75	70	82	88												
time	0:01	6:01	12:01	18:01	Video	Video	Video	Video	[redacted]	[redacted]	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	19.5	19.5	19.5	19.7	21	21	20.5	21	0.2	1.5	16.2	4.5001	0.9	0.4	49.9	75.8
3	18.5	18.5	18.6	18.7	21.8	21.5	21.3	21.7	0.2	3.3	16.4					
4	18.8	19	18.9	18.9	22.2	22	21.3	21.8	0.2	3.4	16.9					
5	18.7	18.7	18.6	18.7	22.3	22	22.1	22.2	0.1	3.7	16.3					
6	18.7	18.7	18.5	18.7	22.5	22	21.9	22.4	0.2	4.1	16.6					
95					24.3	24.2	24.4	24.2								
14	19	19.1	19	19.1	23.5	23.1	22.9	23.3	0.1	4.5	12.3					
15	19.1	19.3	19.2	19.2	23.7	23.1	23	23.2	0.2	4.6	16.2					
16	19.3	19.3	19.2	19.3	24.1	23.9	23.7	23.9	0.1	4.9	16.8					
17	19.7	19.7	19.7	19.6	24	24	23.8	24.4	0.1	4.8	12.5					
18	20.4	20.4	20.4	20.4	24.3	24.2	24.5	24.5	0	4.1	14	4.5000	0.8	0.7	50.9	70.7
19	19.6	19.4	19.6	19.5	24.9	24.1	23.9	24.1	0.2	5.5	14.1					
20	20.1	20	19.9	20	24.4	24.5	24	24.6	0.2	4.7	14.5					
21					24.3	24.2	23.8	24.4								
22					25.1	24.5	24.1	24.6								
7	20.5	20.6	20.5	20.4	24.6	24.7	24.8	24.8	0.2	4.4	15					
8	21	21	20.8	21	24.6	24.5	23.8	24.5	0.2	3.8	14.7	4.5001	0.8	2	51	70.8
9	20.8	20.8	20.9	20.8	25.1	24.1	23.5	24	0.1	4.3	16.9					
10	20.8	20.8	20.9	20.7	23.9	24.3	24	24.1	0.2	3.6	14.2					
11	21.3	21.3	21.3	21.2	24	24.4	24.4	24.4	0.1	3.2	12.8	4.5001	0.7	1	52	72
12	20.8	20.7	20.8	20.8	24.2	24.7	24.4	24.6	0.1	4	14.5					
13	21.6	21.3	21.5	21.3	24.4	24.7	24.3	24.5	0.3	3.4	14.6					
23	21.1	21	21	21.1	25.3	25.7	24.9	25.4	0.1	4.7	14.4					
26	21.8	21.8	21.9	21.8	25	25.6	25	25.5	0.1	3.8	16.8					
27	21.6	21.6	21.6	21.5	23.9	24.7	23.9	24.5	0.1	3.2	14.1					
28	22.5	22.5	22.6	22.6	23.1	23.8	23.2	23.2	0.1	1.3	14.9	4.4999	0.7	1.5	51.9	68.5
29	22.1	22.2	22.2	22.1	23.9	24.6	24.1	24.5	0.1	2.5	14.6					
30	22	22	22	22.1	23.8	24.7	24.2	24.8	0.1	2.8	14.4					
31	22.2	22.3	22.4	22.4	24.4	25	24.5	25.1			14.3					
32	22.7	22.8	22.8	22.9	23	23.8	23	23.4	0.2	1.1	14.5	4.5000	0.8	0.8	51.4	69.9
33	22.5	22.6	22.5	22.6	24.3	24.6	23.8	24.5	0.1	2.1	14.8					
34	22.6	22.5	22.5	22.6	24.3	25	24.2	25	0.1	2.5	14.4					
35	22.6	22.8	22.6	22.8	24.7	25.4	24.9	25.5	0.2	2.9	14.7					
36	22.6	22.5	22.4	22.7	24.6	25.5	24.7	25.3	0.3	3.1	14.2					
37					25.2	26	24.9	25.8								
38	22.9	23	23	23	24.9	25.8	24.8	25.6	0.1	2.9	14.6					
39	22.5	22.6	22.7	22.6	25.3	26.1	25.4	26.2	0.2	3.7	13.9					
41	23.4	23.5	23.5	23.5	25.1	26	25.3	25.8	0.1	2.6	15.1					
42	23.2	22.9	23.1	23.2	25.2	26	25.1	26	0.3	3.1	14.4					
43	23.8	23.8	23.7	23.7	25.4	26.2	24.8	25.6	0.1	2.5	14.7					
44	23.8	23.9	23.7	23.8	25.3	26.2	25.1	26.2	0.2	2.5	15.1					
45					25.1	26.1	25.3	26.2								
46	24	24	24.1	23.9	24.8	26.1	25.7	26.4	0.2	2.5	14.3					
47	23.5	23.5	23.4	23.5	24.5	26.1	25.1	26.3	0.1	2.9	14.9	4.5000	0.7	0.7	53	71.8
48	24.1	24.4	24.3	24.2	25.8	26.7	25.6	26.9	0.3	2.8	14.5					
49	24.2	24	24.1	24	25.5	26.4	25.8	26.3	0.2	2.4	14.5					
50	24.2	24.5	24.4	24.3	26.4	27.1	26.1	27.1	0.3	2.9	14.2					
51	24.8	24.9	24.9	24.8	25.8	26.6	25.4	26.7	0.1	1.9	14.9					
52	24.5	24.6	24.5	24.5	25.4	26.4	25.5	26.5	0.1	2	14.2					
53	24.9	24.9	24.9	25	25.8	26.6	25.7	26.7	0.1	1.8	13.8					
54	25.3	25.3	25.2	25.2	25.7	26.7	25.9	26.7	0.1	1.5	14.7					
56	24.9	24.8	24.9	24.8	26.3	26.6	25.9	26.6	0.1	2	12	4.5000	0.7	1.1	53.1	72.8
57	25.1	25.2	25.1	25.2	26.2	27	26	27.1	0.1	2	14.3					
59	24.9	24.8	24.9	24.9	26.9	27.6	26.6	27.4	0.1	2.8	14.4					
60	24.8	25	24.8	24.7	26.8	27.5	26.6	27.6	0.3	2.9	14.6					
61	24.6	24.7	24.7	24.7	26.1	26.8	26.1	26.9	0.1	2.3	15.4					
62	25.1	25.1	25.1	25	26.3	27.6	26.6	27.5	0.1	2.6	15					
63	25.1	25	25	25	26.9	27.5	26.7	27.7	0.1	2.7	14.7					
64	25.3	25.3	25.2	25.3	27	27.6	26.8	27.6	0.1	2.4	14.7					
65	25.1	25.2	25.2	25.1	27.3	27.9	27.3	28	0.1	2.9	14.6					
67	25.4	25.3	25.2	25.1	28.2	28.2	27.5	28.1	0.3	3.1	14.7					
69	25.7	25.6	25.6	25.6	27.4	27.8	27	27.7	0.1	2.2	16.3					
70	25.2	25.3	25.2	25.1	28.3	28.5	28	28.5	0.2	3.4	15.2					
71	25.3	25.3	25.8	25.3	27.4	27.7	27.3	27.8	0.5	2.5	13.6					
72	26.1	26.2	26.1	26.2	28.2	28.5	27.9	28.4	0.1	2.4	15.9	4.5000	1.3	0.9	51.1	69.5
73	25.2	25.1	25.3	25.2	28.4	28.3	28	28.2	0.2	3.3	14.3					
76	25	25	24.8	24.9	27.8	27.8	27.8	27.9	0.2	3.1	14.6					
77	25.3	25.3	25.3	25.2	28	28.1	27.5	28	0.1	2.9	15					
					[redacted]											
	7.6	7.7	7.6	7.5	All Channel Peak to Valley											
	3 dB Adjacent Channel				Pass											

Testpoint: (TP02) Tower Ct. & S. Whitting St. Cascade: Node Node #: AX043 Tap Value:
Testdate: 1/28/09 Pole #: Print #: H-1 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data					
temp	75	70	82	88												
time	0:01	6:01	12:01	18:01	Video	Video	Video	Video	2 3	4 6	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	16.4	18.4	18.7	18	17.6	17.6	17.7	17.6	2.3	2.3	16.2	4.5000	0.9	0.4	49	76
3	15.8	17.8	17.9	17.7	19.8	19.8	19.8	19.8	2.1	4	14.6					
4	16.8	18.5	18.7	18.6	19.9	20	20	20	1.9	3.2	16					
5	16.5	18.3	18.6	18.4	20	20	20.1	20.3	2.1	3.8	14.9					
6	17.3	18.6	19.3	18.9	21	20.8	21.1	21.1	2	3.8	15.4					
95					22.2	22.2	22.4	22.4								
14	18.3	19.4	19.7	19.8	22.6	22.9	22.5	22.8	1.5	4.6	12.8					
15	18.6	19.5	20	20.4	22.5	22.7	22.7	22.9	1.8	4.3	15.5					
16	18.7	19.8	20.1	20.4	22.7	22.8	22.7	22.9	1.7	4.2	14.8					
17	19.4	20.3	20.4	20.7	22.5	22.6	22.6	22.8	1.3	3.4	13.2					
18	19.5	20.5	20.9	21.1	22.2	22.3	22.3	22.5	1.6	3	14.5	4.5000	0.7	0.7	50.4	69.6
19	18.9	20.1	20.4	20.7	22.7	22.9	22.9	23.1	1.8	4.2	14.1					
20	20.1	21	20.9	21.5	23.1	23	23.2	23.3	1.4	3.2	15.4					
21					22.1	22.2	22.3	22.4								
22					23.3	23.5	23.3	23.6								
7	20.5	21.3	21.3	21.7	23	23.3	23.1	23.3	1.2	2.8	15					
8	21	21.7	21.8	22.2	22	22.2	22.2	22.3	1.2	1.3	15.6	4.5001	0.8	2	50.9	72.7
9	20.2	21.1	21	21.6	23	23.2	23.1	23.3	1.4	3.1	16.2					
10	20.6	21.7	21.7	21.7	23	23.2	23.1	23.3	1.1	2.7	14.6					
11	21.3	22.1	22.2	22.4	23.3	23.5	23.5	23.7	1.1	2.4	13.5	4.5000	0.7	1.4	49.8	69.8
12	21.1	22	22.1	22.3	22.9	23.1	23.1	23.2	1.2	2.1	14.8					
13	21.4	22.4	22.4	22.5	23.2	23.3	23.2	23.4	1.1	2	15.3					
23	20.7	22.1	22.2	22.4	22.3	22.4	22.5	22.1	1.7	1.8	13.9					
26	22	23	23	23	23	23.3	23.2	23.3	1	1.3	17					
27	22	22.8	22.9	23.1	23	23	23.2	23.4	1.1	1.4	14.8					
28	22.8	23.7	23.8	23.8	22.5	22.7	22.7	22.8	1	1.3	15.2	4.4999	0.7	1.1	50.1	67.5
29	22.4	23.6	23.4	23.7	23	23.2	23.2	23.4	1.3	1.3	15					
30	22.3	23.3	23.3	23.2	23.1	23.2	23.3	23.5	1	1.2	14.6					
31	22.8	23.7	23.5	23.6	23.5	23.6	23.5	23.7	0.9	0.9	14.9					
32	23.1	24.1	24.1	24.4	22.8	23.1	23	23.2	1.3	1.6	14.5	4.5000	0.7	1	50.6	67.5
33	23	23.7	23.9	24	23.7	24	23.9	24.1	1	1.1	15.5					
34	23	23.8	23.8	23.9	23.9	24.1	24.1	24.3	0.9	1.3	14.9					
35	22.7	23.9	23.8	24	23.8	24	24.2	24.3	1.3	1.6	14.9					
36	23.2	23.9	23.8	24.3	24	24.1	24.1	24.4	1.1	1.2	15.2					
37					24.2	24.5	24.5	24.7								
38	23.6	24.7	24.5	24.7	24.4	24.6	24.5	24.8	1.1	1.2	15.2					
39	23	24	24	24.1	23.9	24.2	24.2	24.3	1.1	1.3	14.6					
41	23.9	24.9	24.8	25.2	24.5	24.6	24.6	24.8	1.3	1.3	14.8					
42	24	24.8	24.7	24.9	24	24.2	24.1	24.3	0.9	0.9	15.3					
43	24.2	25	24.9	25.3	24	24.2	24.2	24.4	1.1	1.3	15.4					
44	24.2	24.9	24.9	25.2	23.8	23.8	24	24.3	1	1.4	15.4					
45					23.9	23.9	24	24.2								
46	24.9	25.6	25.5	25.8	24.1	24.2	24.2	24.4	0.9	1.7	15.3					
47	23.9	24.5	24.6	24.7	23.9	23.9	23.8	24	0.8	0.9	15.5	4.5000	0.7	1.3	50.1	68.4
48	24.4	25.1	25.1	25.6	24.2	24.2	24.2	24.4	1.2	1.4	14.6					
49	24.8	25.3	25.6	26	24	24	23.8	24.1	1.2	2.2	15					
50	25	25.4	25.8	25.8	24	24.1	24.1	24.1	0.8	1.8	15					
51	25.1	25.8	25.9	26.1	23.9	24	23.9	24.1	1	2.2	15.3					
52	25	25.5	25.9	26	24.4	24.4	24.2	24.5	1	1.8	14.2					
53	25.6	26.4	26.3	26.7	24.4	24.4	24.5	24.5	1.1	2.3	14.5					
54	25.9	26.4	26.4	26.6	24.4	24.6	24.6	24.7	0.7	2.2	15.5					
56	25.5	26.1	26.1	26.4	26.4	26.3	26.3	26.5	0.9	1	12.7	4.5000	0.6	1.4	50.8	68.2
57	26.1	26.8	26.7	26.9	24.9	24.6	24.8	25	0.8	2.3	15					
59	25.8	26.5	26.5	26.6	25	25.1	25.1	25.2	0.8	1.6	14.5					
60	26.4	26.9	27	27.1	24.6	24.8	24.7	24.8	0.7	2.4	15.2					
61	26.1	26.6	26.6	26.7	25.4	25.5	25.5	25.5	0.6	1.3	16					
62	26.5	26.8	26.8	27.2	25.5	25.6	25.8	25.8	0.7	1.7	15.6					
63	26.8	27.3	27.4	27.5	25.5	25.6	25.5	25.7	0.7	2	15.2					
64	26.9	27.5	27.8	27.9	25.5	25.6	25.5	25.7	1	2.4	14.8					
65	27.2	27.7	27.8	28	25.4	25.5	25.4	25.6	0.8	2.6	15.6					
67	27.8	28.1	28.6	28.7	26	26.2	26	26.1	0.9	2.7	15.1					
69	28.3	28.7	28.9	29.1	25.9	25.9	25.8	25.7	0.8	3.4	17					
70	27.7	28.1	28.3	28.4	25.8	26.1	25.9	26	0.7	2.6	15.7					
71	28.3	28.7	28.9	29	26.4	26.4	26.4	26.6	0.7	2.6	14.3					
72	29.5	29.9	30	30.3	26.7	26.8	26.6	26.7	0.8	3.7	16.4	4.5000	1.4	1	51	67.6
73	28.4	28.6	28.9	29.1	26.6	26.8	26.8	26.9	0.7	2.5	14.9					
76	28.5	28.9	28.8	29	25.4	25.5	25.6	25.5	0.5	3.6	15.3					
77	28.9	29.2	29.2	29.4	26.2	26.4	26.3	26.5	0.5	3.2	15.5					
	13.7	12.1	12.1	12.6	All Channel Peak to Valley											
	3 dB Adjacent Channel				Pass											

Testpoint: (TP03) 1 N. Donelson St. Cascade: Node Node #: AX113 Tap Value:
Testdate: 8/6/09 Pole #: Print #: H-5 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance											Aural Data		Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.						
temp	75	70	82	88												
time	0:01	6:01	12:01	18:01	Video	Video	Video	Video	0.6	3.6	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	9.9	9.7	9.6	9.7	9.3	9.5	9.6	9.6	0.3	0.6	16.4	4.5001	1	0.9	43	71.4
3	8.9	8.5	8.5	8.4	9.8	9.9	9.9	10	0.5	1.6	15					
4	9.2	9	8.9	9.1	10.2	10.4	10.4	10.4	0.3	1.5	15.8					
5	9.1	8.7	8.9	9	9.8	10.1	9.9	10	0.4	1.4	14.7					
6	10	9.6	9.6	9.9	10.6	10.8	10.8	10.7	0.4	1.2	15.8					
95					14.1	13.9	14.1	14								
14	9.5	9.5	9.4	9.3	11.6	11.8	11.9	11.9	0.2	2.6	12.2					
15	9.9	9.7	10	9.7	12	12.2	12.1	12.3	0.3	2.6	15.4					
16	9.9	9.9	9.9	9.9	11.9	11.9	12	11.9	0	2.1	15.1					
17	10.3	9.9	10.1	9.7	12	12	12.1	12.1	0.6	2.4	12.4					
18	10.8	10.6	10.5	10.5	12.8	13	12.7	13	0.3	2.5	14.4	4.5000	1	0.9	44	64.6
19	10.4	10	10.1	9.9	12.3	12.4	12.5	12.4	0.5	2.6	14.5					
20	10.6	10.6	10.4	10.3	13.3	12.7	12.6	12.3	0.5	3	14.7					
21					12.3	12.2	12.5	12.3								
22					12.2	12.3	12.3	12.2								
7	11.3	11	11.3	11.2	12.5	12.5	12.6	12.5	0.3	1.6	14.7					
8	11.9	11.6	11.4	11.6	12.4	12.7	12.8	12.8	0.5	1.4	15.2	4.5001	0.6	2	45	65.9
9	11.7	11.4	11.6	11.6	12.6	12.6	12.9	12.9	0.3	1.5	16.4					
10	11.5	11.3	11.3	11.5	13.5	13.6	13.6	13.7	0.2	2.4	14.2					
11	12.3	12.1	12.3	12.4	13.9	14.1	14	14	0.3	2	13.1	4.5000	1.2	0.6	47	66.9
12	12	11.8	11.9	12	13.5	13.5	13.6	13.6	0.2	1.8	14.8					
13	12.3	11.9	12.1	12.2	13.8	13.7	13.8	13.9	0.4	2	15					
23	12	11.7	11.8	11.8	12.3	12.2	12.3	12.3	0.3	0.6	14.5					
26	12.7	12.9	12.8	13	12.4	12.8	12.8	12.9	0.3	0.6	16.8					
27	13	12.9	12.9	13	13.6	13.7	13.8	13.7	0.1	0.8	14.9					
28	13.4	13.3	13.5	13.5	13.8	13.8	13.4	13.7	0.2	0.5	14.9	4.5000	1	0.8	43	65.4
29	13.4	13.2	13.3	13.4	13.7	13.5	13.5	13.7	0.2	0.5	15.1					
30	13.1	13.1	12.9	13.1	13.4	13.2	13.4	13.4	0.2	0.5	14.1					
31	13.4	13.3	13.4	13.5	13.7	13.6	13.7	13.9	0.2	0.6	13.9					
32	14.6	14.4	14.4	14.5	14	13.9	13.9	14.1	0.2	0.7	15.3	4.4999	1.1	0.8	47	57.4
33	13.8	13.4	13.7	14	14	14.6	14.3	14.3	0.6	1.2	14.9					
34	13.6	13.5	13.5	13.5	13.9	16.3	15.9	15	0.1	2.8	14.2					
35	13.7	14	13.9	13.7	14.4	16.1	16.5	16.2	0.3	2.8	14.7					
36	14.4	14.2	14.2	14.3	14.2	15.2	15.6	15.7	0.2	1.5	15.3					
37					14.3	15	15.4	15.6								
38	14.3	14.2	14	14.2	14.5	15.1	15.3	15.3	0.3	1.3	14.5					
39	14.3	14.3	14.3	14.5	13.8	14.4	14.6	14.7	0.2	0.9	14.6					
41	15.2	14.9	15	15.1	15	15.3	15.4	15.4	0.3	0.5	15.5					
42	14.6	14.6	14.5	14.7	14.4	14.9	14.9	15	0.2	0.6	14.8					
43	15.2	14.9	15	15.2	14.5	14.8	14.9	14.9	0.3	0.7	14.8					
44	15.6	15.6	15.5	15.6	14.9	15.1	15.3	15.4	0.1	0.7	15.9					
45					14.6	14.9	15	15.1								
46	15.5	15.5	15.4	15.4	14.6	14.9	15.1	14.8	0.1	0.9	14.9					
47	15.1	15.4	15.3	15.3	14.8	15.1	15.3	15.3	0.3	0.6	15.6	4.5000	1	1	43	59
48	15.7	16	15.8	15.8	14.3	14.6	14.4	14.3	0.3	1.7	14.8					
49	16	16	16.1	16.1	14.6	14.8	15	14.9	0.1	1.5	14.8					
50	16.4	16.3	16.1	16.4	14.5	15	14.8	15.1	0.3	1.9	15.2					
51	16.5	16.3	16.4	16.5	15.2	15.4	15.5	15.3	0.2	1.3	15.3					
52	16.5	16.4	16.4	16.5	15.3	15.4	15.5	15.5	0.1	1.2	14.9					
53	17.1	16.9	17.1	17	15.2	15.4	15.5	15.5	0.2	1.9	14.5					
54	17.1	16.9	17.2	17.2	15.3	15.5	15.4	15.6	0.3	1.9	15.1					
56	16.3	16.5	16.3	16.3	14.6	15.1	15	15.2	0.2	1.9	12.1	4.5001	1.1	0.9	47.5	67.6
57	17.3	17.1	17.4	17.2	15.6	15.6	15.9	15.7	0.3	1.9	15					
59	16.8	16.8	17	16.9	15.4	15.5	15.6	15.5	0.2	1.6	14.6					
60	17.3	17.3	17.4	17.1	15.2	15.3	15.6	15.6	0.3	2.2	15.7					
61	17.1	17.1	17	17	15.6	15.6	15.9	15.8	0.1	1.5	15.9					
62	17.2	17.4	17.6	17.5	16.1	16.1	16.2	16.1	0.4	1.5	15.2					
63	17.7	17.8	18	18.1	16.1	16.1	16.2	16.2	0.4	2	15.2					
64	17.9	18	18.1	18.2	15.9	16.2	15.9	16	0.3	2.3	15					
65	18.2	18.2	18.2	18.4	16.4	16.6	16.6	16.6	0.2	2	15.5					
67	18.7	18.6	18.9	18.7	16.7	16.9	16.9	17.2	0.3	2.2	15.2					
69	18.6	19.1	18.7	18.8	16.9	16.9	16.7	16.8	0.5	2.4	16.5					
70	18.4	18.6	18.8	18.7	17	17	17.2	17.2	0.4	1.8	15.7					
71	18.5	18.8	18.7	18.9	17.1	17.2	17.3	17.3	0.4	1.8	14.1					
72	19.9	20	20.2	20.2	16.6	16.9	17	17	0.3	3.6	16.6	4.5000	1.3	1.3	43	67.4
73	18.5	18.6	18.9	18.9	17	17.2	17.3	17.4	0.4	1.9	14.7					
76	18.6	18.8	18.9	18.7	16.8	17	17.2	17.1	0.3	2.1	14.9					
77	18.9	19	19.4	19.5	17	17.5	17.5	17.5	0.6	2.5	15.2					
	11	11.5	11.7	11.8	All Channel Peak to Valley											
	3 dB Adjacent Channel				Pass											

Testpoint: (TP04) Kenwood St. & Fern St. Cascade: Node Node #: AX295 Tap Value:
Testdate: 1/23/06 Pole #: Print #: E-6 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance											Aural Data		Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.						
temp	75	70	82	88												
time	0:01	6:01	12:01	18:01	Video	Video	Video	Video	1 1	4 4	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	18.6	18.1	17.2	17.1	16	14.9	14.9	15	1.5	3.7	16.1	4.5001	0.8	1	51.7	70.9
3	17.5	16.9	16.1	15.7	16.1	15.8	16	15.9	1.8	1.8	15					
4	17.9	17.5	16.5	16.1	16.5	16.1	16.3	16.1	1.8	1.8	16.2					
5	17.5	16.6	16.1	15.4	16.4	16.4	16.3	16.3	2.1	2.1	15.3					
6	18	17.4	16.7	16.3	17	16.9	16.9	17.1	1.7	1.7	14.3					
95					17.1	17.3	17.7	17.3								
14	17.5	17.4	16.6	16	17.9	17.8	18.1	17.9	1.5	2.1	12.2					
15	17.4	17.5	16.8	16	17.8	17.8	17.8	17.9	1.5	1.9	15					
16	18.2	17.9	17.2	16.6	18.2	18.2	18.3	18.2	1.6	1.7	15.6					
17	18.2	17.8	17.4	16.8	18.1	18.1	18.1	18.2	1.4	1.4	11.8					
18	18.5	18.5	17.7	17.5	18.5	18.4	18.7	18.3	1	1.2	14.6	4.5000	0.9	0.8	50.9	71.5
19	19.8	19.4	18.3	16.7	18.1	18.1	18	18.1	3.1	3.1	14.7					
20	19.6	19.5	19.4	18.4	18.8	18.8	19.1	18.9	1.2	1.2	14.8					
21					18.5	18.3	18.5	18.7								
22					18.4	18.5	18.7	18.6								
7	19	18.9	18.5	17.8	18.5	18.3	18.7	18.4	1.2	1.2	15					
8	19.6	19.5	19	18.2	19.1	18.8	18.7	18.5	1.4	1.4	15.4	4.5001	0.8	2	53.2	70.8
9	19.4	19.3	18.8	18.1	19.3	18.5	18.7	18.3	1.3	1.3	15.8					
10	19.4	19.1	18.8	17.9	18.7	18.1	18.2	17.9	1.5	1.5	14.4					
11	19.6	19.6	19.1	18.5	19	18.8	18.8	18.6	1.1	1.1	13.7	4.6000	0.6	1	53.2	71.2
12	19.6	19.6	19.2	18.5	18.9	18.6	18.9	18.4	1.1	1.2	14.2					
13	20	19.9	19.4	18.7	19.1	18.8	18.7	18.5	1.3	1.5	16					
23	19	19	18.3	17.6	18.7	18.4	18.5	18.2	1.4	1.4	13.8					
26	19.9	20	19.3	18.9	19	18.7	18.7	18.4	1.1	1.6	16.6					
27	19.7	19.7	19.5	18.9	18.5	18.2	18.4	17.9	0.8	1.8	14.3					
28	20.5	20.7	20.2	19.8	19.3	19	19.1	18.8	0.9	1.9	15.1	4.5000	0.7	1.1	53	70
29	20.8	20.8	20.6	19.8	19.6	19.2	19.3	19.2	1	1.6	14.5					
30	20.7	20.6	20.3	19.8	19.2	18.9	19.1	18.8	0.9	1.9	14.7					
31	20.6	20.3	20.3	20	19	18.9	18.7	18.7	0.6	1.9	14.5					
32	21.3	21.2	21	20.2	19.8	19.5	19.8	19.3	1.1	2	14	4.4999	0.8	1.2	52.7	68.2
33	20.8	20.9	20.6	20	19.4	19.3	19.3	19.1	0.9	1.8	14.6					
34	21.1	21.1	20.7	20.2	19.3	19.2	19	18.9	0.9	2.2	15.5					
35	21	21	20.8	20.2	19.3	19.2	19.4	18.9	0.8	2.1	14.2					
36	21.9	21.8	21.7	21.1	19.5	19.4	19.8	19.4	0.8	2.5	15.5					
37					19.4	19.5	19.5	19.3			14.3					
38	22.2	22	21.6	21.3	19.5	19.2	19.5	19.4	0.9	3	15.3					
39	21.3	21.3	21	20.9	19.3	19	19	19	0.4	2.3	14.8					
41	22.4	22.5	22.1	21.6	19.9	19.9	19.9	19.8	0.9	2.9	14.8					
42	22.1	22.4	22.1	21.7	19.4	19.3	19.4	18.7	0.7	3.7	15.2					
43	22.7	22.8	22.6	22.1	19.5	19.6	19.5	19.4	0.6	3.3	15.2					
44	23.3	23.2	23	22.6	20.3	20.3	20.2	20	0.7	3.3	14.2					
45					19.8	19.5	19.7	19.6			15.7					
46	23.3	23.4	23.1	22.8	19.6	19.3	19.5	19.2	0.6	4.2	15.4					
47	22.7	22.7	22.6	22.2	20.5	20.3	20.8	20.2	0.5	2.5	13.9	4.5000	0.7	1.2	52.7	70.3
48	23.4	23.5	23.4	23	20.7	20.4	20.1	20.4	0.5	3.4	15.3					
49	23.2	23.1	22.9	22.7	20.2	19.9	20	19.6	0.5	3.6	15.6					
50	23.2	23.2	23.1	22.9	20.1	19.8	20.1	20.1	0.3	3.4	14.1					
51	23.9	23.8	24	23.6	20.8	20.9	20.8	20.6	0.5	3.4	13.9					
52	23.9	23.9	23.8	23.3	20.8	21	21.1	20.9	0.6	3.3	14.7					
53	24.3	24.2	24.2	24	21.2	21	21.2	20.8	0.3	3.5	12.5					
54	24.1	24	24.2	23.8	21	20.9	21	20.7	0.4	3.5	14.7					
56	23.6	23.7	23.7	23.3	20.6	20.6	20.7	20.6	0.4	3.1	15.1	4.5001	0.9	1.4	53.8	69.5
57	24.2	24.1	23.9	24.1	21.6	21.5	21.7	21.5	0.3	2.7	14.6					
59	23.9	23.7	24	23.8	21.9	21.7	21.7	21.8	0.3	2.3	15.7					
60	24.1	23.9	24.1	24	22	21.7	21.9	21.7	0.2	2.4	15.3					
61	23.6	23.7	23.7	23.6	21.6	21.5	21.5	21.6	0.1	2.2	14.7					
62	24.1	24.1	24.1	24	22.2	22	22.3	22	0.1	2.1	15.5					
63	24.7	24.7	24.8	24.6	22.5	22.3	22.3	22.2	0.2	2.6	15.3					
64	24.8	24.8	24.7	24.6	22	22.1	22	21.8	0.2	3	15.4					
65	24.7	24.7	24.9	24.6	22.4	22.2	22.4	22	0.2	2.9	16.1					
67	25.6	25.4	25.6	25	23.3	23	23.2	23.1	0.6	2.6	15.8					
69	25.4	25.3	25.5	25.3	23.2	23.1	23.1	23	0.2	2.5	13.6					
70	25.3	25.5	25.7	25.6	23.6	23.4	23.7	23.7	0.4	2.3	16.1					
71	26.4	26.4	26.6	26.7	23.6	23.3	23.6	23.3	0.3	3.4	15.1					
72	27.6	27.6	27.9	27.7	23.6	23.5	23.7	23.5	0.3	4.4	14.8	4.5000	1.3	0.9	51.6	71.4
73	26.2	26.3	26.5	26.6	23.4	23.3	23.5	23.4	0.4	3.3	15.1					
76	26.3	26.3	26.6	26.3	22.9	23.2	23.1	23.2	0.3	3.7	16.5					
77	26.8	26.8	27	27.1	23.5		23.6	23.4	0.3	3.7	15.8					
	10.2	11	11.8	12.3	All Channel Peak to Valley											
	3 dB Adjacent Channel				Pass											

Testpoint: (TP95) 1121 Allison St. Cascade: Node Node #: AX356 Tap Value:
Testdate: 8/7/09 Pole #: Print #: E-7 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data					
temp	75	70	82	88												
time	0:01	6:01	12:01	18:01	Video	Video	Video	Video	4	5.8	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	15.5	15	14.5	14.5	17	17.1	17	17.1	1	2.6	16.1	4.5001	0.8	0.4	50.5	72.4
3	14.5	14.3	13.5	13.4	17.6	17.6	17.7	17.9	1.1	4.5	15					
4	14.9	14.4	13.9	13.4	17.9	17.9	17.6	17.6	1.5	4.5	16.2					
5	14.8	14.7	14	14	17.7	17.6	17.7	17.8	0.8	3.8	15.3					
6	14.2	13.9	13.6	13.3	18	17.9	17.7	17.6	0.9	4.7	14.3					
95					17.1	17.3	17.7	17.3								
14	14.2	14.4	13.9	13.5	19	18.7	18.6	19	0.9	5.5	12.2					
15	14.5	14.6	14.1	13.3	18.9	18.7	19.1	18.8	1.3	5.8	15					
16	15.2	15.4	14.7	14.1	18.9	18.8	18.9	19.2	1.3	5.1	15.6					
17	14.4	14.7	13.5	13.7	18.7	18.6	18.7	18.9	1.2	5.4	11.8					
18	15.5	15.6	14.9	14.5	19.1	18.9	19	19.3	1.1	4.8	14.6	4.5000	0.6	0.7	51	68.4
19	15.1	15.1	14.6	14.3	18.6	18.4	18.2	18.8	0.8	4.5	14.7					
20	15.1	15.1	14.5	14.6	18.9	18.6	18.9	19	0.6	4.5	14.6					
21					19	18.8	18.7	18.7								
22					19.1	18.8	18.9	18.9								
7	15.6	15.5	15.3	14.8	18.4	18.2	18.2	18.4	0.8	3.6	15					
8	15.8	15.7	15.4	14.9	18.1	17.9	17.9	18.1	0.9	3.2	15.4	4.5001	1	2	51.2	72.9
9	15	15	14.7	14.3	18.1	17.8	17.7	18	0.7	3.8	15.6					
10	15.4	15.6	15.2	14.5	17.8	17.6	17.5	17.7	1.1	3.3	14.4					
11	15.7	15.8	15.3	14.9	18.1	17.8	17.7	17.8	0.9	3.2	13.7	4.5000	0.9	1.2	50.9	71.1
12	14.7	14.9	14.4	14	17.6	17.3	17.4	17.5	0.9	3.6	14.2					
13	15.5	15.9	15.4	14.6	17.8	17.7	17.6	17.6	1.3	3.2	16					
23	13.7	15.3	15.3	12.5	17.7	17.5	17.2	17.5	2.8	5.2	13.6					
26	16.5	16.4	14.5	15.4	17.6	17.7	17.6	17.7	2	3.3	16.6					
27	16.4	16.3	15.6	15.4	17	17.5	17.5	17.5	1	2.1	14.3					
28	17.2	17.1	16.5	15.8	16.8	17.8	17.9	17.7	1.4	2.1	15.1	4.5000	0.9	1.1	51.9	71.6
29	16.9	15.9	16.3	14.9	15.2	17.7	18	18.1	2	3.2	14.5					
30	16.6	15	16.3	13.9	16.9	18.1	18.3	18.4	2.9	4.5	14.7					
31	17.2	14.3	16.8	13.2	17.8	18.3	18.2	18.4	4	5.2	14.5					
32	17.4	14.6	16.6	14	18.3	18.5	18.3	18.5	3.4	4.5	14	4.4999	1.1	0.8	51.6	70.9
33	17.1	15.3	16.7	14.6	18.2	18.5	18.4	18.9	2.5	4.3	14.6					
34	17.4	16.5	17.1	15.6	18.3	18.5	18.6	18.6	1.8	3	15.5					
35	16.7	16	16.5	15.3	18.4	18.5	18.4	18.3	1.4	3.2	14.2					
36	17.8	16.8	17.4	15.9	18.2	18.4	18.7	18.5	1.7	2.8	15.5					
37					18.6	18.7	18.6	19								
38	16.8	16.6	16.6	15.3	18.5	18.7	18.5	18.5	1.5	3.4	14.3					
39	17.3	17.1	17.1	15.7	18	18.2	18.2	18.3	1.6	2.6	15.3					
41	17.1	16.9	17.1	15.1	18.6	18.8	18.9	19	2	3.9	14.6					
42	17.1	17.1	17.4	15.6	18.1	18.3	18.5	18.6	1.6	2.8	14.8					
43	17.7	17.9	17.9	16.9	18.6	18.7	18.9	19	1	2.1	15.2					
44	17.2	17.4	17.5	16.4	18.9	19	19.1	19.1	1.1	2.7	15.2					
45					18.5	18.7	18.5	18.7								
46	16	16	16	17.3	18.4	18.3	18.5	18.7	0.7	1.4	14.2					
47	17.6	18.1	17.8	16.9	18	18.5	18.4	18.5	1.2	1.6	15.7	4.5000	0.9	0.6	51.2	71.7
48	16	16.3	16.4	17.6	18.3	18.6	18.7	18.9	0.8	1.3	15.4					
49	17.2	17.6	17.7	16.7	18.4	18.6	18.6	18.5	1	1.9	13.9					
50	18.4	18.7	18.8	17.7	18.8	18.7	18.8	19	1.1	1.3	15.3					
51	18.3	18.9	18.5	17.8	18.4	18.7	18.6	19	1.1	1.2	15.5					
52	17.5	17.7	17.8	16.8	18.6	18.7	18.5	18.7	1	1.9	14.1					
53	16	16.4	16.3	17.4	18.6	18.6	18.6	18.7	1	1.3	13.9					
54	18.5	19.1	19.1	17.9	19.1	18.9	18.9	19	1.3	1.3	14.7					
56	16	16.5	16.5	17.5	17.9	18.1	18.1	18.3	1	1	12.5	4.5001	1	1	51.2	66.5
57	16.3	16.7	16.7	17.6	18.9	19.3	19	19.1	1.1	1.7	14.7					
59	16.2	16.6	16.5	17.5	19.1	18.8	19	18.9	1.1	1.6	15.1					
60	17.6	18.1	18.2	17.4	18.9	18.9	19	19.1	0.8	1.7	14.6					
61	17.8	18.1	18.2	17.3	18.9	18.7	18.9	19.2	0.9	1.9	15.7					
62	16.2	16.7	16.5	17.6	19.4	19	19.3	19.3	1.1	1.8	15.3					
63	18.6	18.9	19	17.9	19	19.1	19.3	19.4	1.1	1.5	14.7					
64	16.8	16.9	16.9	16.1	16.6	18.7	19.1	19.4	0.8	1.3	15.5					
65	18.6	19.1	19	18	19.4	19.4	19.8	19.8	1.1	1.8	15.3					
67	19.1	19.2	19.4	18.6	20.2	20.1	20.5	20.5	0.8	1.9	15.4					
69	19.1	19.2	19.7	18.6	20.3	20.1	20.2	20.4	1.1	1.8	16.1					
70	19.2	19.4	20.3	18.7	20.1	19.9	20.4	20.5	1.6	1.8	15.9					
71	18.6	19	19.8	18.6	20	19.9	20.1	20	1.2	1.5	13.8					
72	20.3	20.6	21.4	19.6	20.5	19.9	20.1	20.1	1.8	1.8	16.1	4.5000	1.3	1.1	49.9	66.6
73	19	19.2	19.6	18.5	20.1	20.1	20.1	20.3	1.3	1.8	15.1					
76	18	19	19.6	17.8	20	19.7	19.8	19.7	1.8	2.2	14.8					
77	18.3	19.3	19.9	18.1	19.9	19.6	19.7	19.6	1.8	1.8	15.1					
	6.6	6.7	7.9	7.1	All Channel Peak to Valley											
	3 dB Adjacent Channel			Pass												

Testpoint: (TP08) 901 N. Kemper St. Cascade: Node Node #: AX155 Tap Value:
Testdate: 6/8/09 Pole #: Print #: G-4 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data					
temp	75	70	82	88												
time	0:01	6:01	12:01	18:01	Video	Video	Video	Video	1.3	7.5	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	14.8	15.2	15.2	15.4	14.4	13.7	13.7	13.7	0.6	1.7	16.3	4.5001	0.9	0.5	49.1	68.8
3	14.1	14.4	14.6	14.6	15.1	14.6	14.8	14.7	0.5	1	14.9					
4	14.3	14.6	14.7	14.7	15.2	14.9	14.8	14.9	0.4	0.9	15.9					
5	14.4	14.8	14.9	14.9	15.4	15.2	15	15.1	0.5	1	14.6					
6	15	15.1	15.5	15.6	15.7	15.7	15.6	15.8	0.6	0.8	15.7					
95					16.1	16.3	16.7	16.3								
14	15.1	15.3	15.5	15.5	16.5	16.6	16.5	16.8	0.4	1.7	12.8					
15	15.5	15.7	15.8	15.7	16.5	16.2	16.5	16.8	0.3	1.3	15.4					
16	15.4	15.7	16	16.1	16.6	16.4	16.1	16.7	0.7	1.3	15.2					
17	15.3	15.5	15.8	15.8	16.6	16.3	16.3	16.5	0.5	1.3	12.2					
18	16.2	16.4	16.9	16.7	16.9	16.7	16.6	16.8	0.7	0.7	14.3	4.5000	0.8	0.8	49.8	69.5
19	15.7	16	16	16.3	16.3	16.3	16.1	16.7	0.6	1	14.5					
20	15.9	16.1	16.4	16.4	16.5	16.4	16.3	16.4	0.5	0.6	14.5					
21					16.3	16.3	16.2	16.4								
22					16.5	16.5	16.5	16.5								
7	16.3	16.7	16.7	16.9	16.2	15.9	15.9	16.2	0.6	1	14.8					
8	16.8	17.2	17.6	17.5	15.9	15.8	15.6	15.7	0.8	2	14.8	4.5001	0.9	2	49.8	70.4
9	16.9	17.3	17.4	17.3	16	15.9	15.6	15.9	0.5	1.8	16.7					
10	16.4	16.7	16.9	16.9	15.7	15.7	15.6	15.6	0.5	1.3	14.2					
11	17.2	17.5	17.8	17.8	15.9	15.7	15.4	15.7	0.6	2.4	13	4.5000	0.8	0.9	49.9	67.4
12	16.9	17.4	17.6	17.6	15.5	15.4	15.1	15.2	0.7	2.5	14.9					
13	17	17.4	17.7	17.9	15.9	15.5	15	15.2	0.9	2.9	14.8					
23	16.9	17	17.6	17.5	15.7	15.3	15.2	15.5	0.7	2.4	14.4					
26	17.7	18	18.5	18.8	15.3	14.9	14.7	14.9	1.1	4.1	14.8					
27	17.7	18.4	18.7	18.5	15.2	14.8	14.6	14.8	1	4.1	14.8					
28	18.1	18.5	18.8	18.7	15.3	15.1	15.1	15	0.7	3.8	14.8	4.5000	0.8	0.7	50.3	68.1
29	18.1	18.7	18.9	18.9	15.5	15.2	14.9	15.2	0.8	4	14.8					
30	18	18.3	18.9	18.8	15.5	15.2	15	15.1	0.9	3.9	14.2					
31	18.1	18.6	19.1	19	15.5	15.5	14.8	15.3	1	4.3	14.8					
32	19	19.3	19.8	19.6	15.9	15.7	15.4	15.5	0.8	4.4	14.9	4.4999	0.7	1	50.7	68.9
33	18.4	18.9	19.3	19.4	15.8	15.5	15.4	15.6	1	4	14.3					
34	18.3	18.8	19.1	19.1	15.9	15.6	15.4	15.6	0.8	3.7	14.9					
35	18.5	19	19.4	19.3	16	15.8	15.8	15.8	0.9	3.6	15.2					
36	18.9	19	19.5	19.8	15.6	15.5	15.6	15.5	0.9	4.3	15					
37					15.6	15.4	15.3	15.3								
38	19.1	19.5	19.6	20	15.8	15.6	15.4	15.8	0.9	4.6	14.8					
39	19	19.4	19.6	19.5	15.5	15.3	14.9	15.3	0.6	4.7	15.1					
41	19.6	20.2	20.2	20.5	16	15.9	15.7	15.9	0.9	4.8	14.8					
42	19.6	19.9	20.4	20.4	15.7	15.4	15.2	15.5	0.8	5.2	14.7					
43	20	20.4	20.6	20.6	15.8	15.6	15.4	15.5	0.6	5.2	15.5					
44	20.3	20.8	21	21	16.1	15.8	15.6	15.8	0.7	5.2	14.4					
45					15.8	15.7	15.4	15.6								
46	20.3	20.8	20.7	20.9	15.9	15.9	15.5	15.6	0.6	5.4	15.6					
47	20.3	20.7	20.9	20.8	16.1	15.8	15.8	15.8	0.6	5.3	14.8	4.5000	0.9	1	49.6	69.8
48	20.7	21.3	21	21.3	16.1	16	16.1	15.9	0.6	5.4	14.9					
49	20.7	21.1	21.4	21.3	16.4	16	15.8	16	0.7	5.6	15.2					
50	20.8	21.1	21.5	21.5	16	16.1	15.8	15.9	0.7	5.7	14.9					
51	20.7	21.1	21.4	21.4	16.4	16.3	16.1	16.2	0.7	5.3	14.4					
52	20.7	20.8	21.2	21.3	16.3	16.4	16.2	16	0.6	5.3	14.6					
53	21.4	21.4	22.1	22	16.7	16.6	16.4	16.3	0.7	5.8	14.8					
54	21.4	21.6	22.3	22.1	16.7	16.6	16.3	16.5	0.9	6	12					
56	21	21.6	21.7	21.7	16.6	16.3	16	16	0.7	5.7	14	4.5001	0.9	1	50.7	68.1
57	21.6	22.1	22.5	22.1	17.3	17.1	17.1	17.2	0.9	5.4	15.1					
59	21.1	21.7	22	22	17.2	17.2	17	17.1	0.9	5	15.7					
60	21.9	22.4	23	22.8	17.5	17.6	17.4	17.5	1.1	5.6	15.1					
61	21.4	22.2	21.9	22.1	17	17	16.9	17	0.8	5.3	15					
62	21.9	22.5	22.7	23	17.4	17.4	17.3	17.5	1.1	5.7	14.8					
63	22.3	23	22.7	23.2	17.5	17.3	17.3	17.5	0.9	5.9	15.1					
64	22.6	22.9	23.1	23.3	17.4	17.4	17.4	17.4	0.7	5.9	14.6					
65	22.8	23.3	23.1	23.7	17.6	17.9	17.9	17.7	0.9	6.1	16.6					
67	23	23.3	23.8	23.6	17.8	18	18	18.2	0.8	6	13.5					
69	23.6	24.4	24.5	24.7	17.8	18.1	18.1	18	1.1	6.9	14.1					
70	23.1	24	24.2	24.4	18.4	17.9	18.3	18.4	1.3	6.5	14.8					
71	23.7	24.4	24.6	24.5	18.1	18	18	18.1	0.9	6.6	15					
72	24.3	24.9	25.6	25.3	18.1	18.4	18.2	18.5	1.3	7.5	15.5	4.5000	1	0.9	50.5	71.9
73	23.6	24	24.4	24.4	18	18.1	18	18.1	0.8	6.4	14.7					
76	24.2	24.6	24.8	25	18.2	18.1	17.8	17.7	0.8	7.4	15.5					
77	24.8	25.2	25.6	25.6	18.4	18.4	18.2	18.1	0.8	7.5	15.6					
	10.7	10.8	11	11	All Channel Peak to Valley											
	3 dB Adjacent Channel				Pass											

Testpoint: (TP07) 528 Bellvue Pl.
Testdate: 8/6/09

Cascade: Node
Pole #: Under Ground

Node #: AX487
Print #: G-10

Tap Value:
HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance											Aural Data		Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.						
temp	75	70	82	88												
time	00:01	6:01	12:01	18:01	Video	Video	Video	Video	0.9	3.3	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	14.3	14.6	14.6	14.7	12.1	11.9	11.9	11.9	0.4	2.8	16.8	4.5001	0.9	0.9	50.1	71.5
3	13.2	13.3	13.3	13.5	12.3	12.1	12.1	12.1	0.3	1.4	15.1					
4	13.5	13.5	13.3	13.6	12.5	12.3	12.3	12.3	0.3	1.3	16.3					
5	13	13.2	13.3	13.3	12.4	12.3	12.2	12.2	0.3	1.1	15.2					
6	13	13.4	13.6	13.5	12.4	12.2	12.3	12.4	0.6	1.4	15.1					
95					14.5	14.1	14.3	14.3								
14	12.3	12.3	12.8	13	13.3	12.9	12.9	14.3	0.7	2	12.3					
15	12.6	12.8	13	13.1	13.2	13	12.9	14.3	0.5	1.7	15.3					
16	13	13	13.4	13.3	13.1	12.7	12.7	14.3	0.4	1.6	15.2					
17	12.9	13.1	13.3	13.4	13	12.8	12.9	14.3	0.5	1.5	11.9					
18	13.9	13.6	14	14.1	12.8	12.6	12.5	14.3	0.5	1.8	14.4	4.5000	0.8	1.1	48.9	76.7
19	13	13.1	13.5	13.3	13.2	12.9	13	14.3	0.5	1.4	14.3					
20	12.8	13.2	13.4	13.5	13.2	12.9	13	14.3	0.7	1.5	13.8					
21					13.1	12.8	12.8	14.3								
22					13.4	13.2	13.3	14.3								
7	13.6	14.1	14.2	14.1	13.4	13.1	13.2	14.3	0.6	1.2	14.9					
8	13.9	14.2	14.4	14.4	13.5	13	13	14.3	0.5	1.4	15	4.5001	0.9	1.1	49.1	67.4
9	13.5	13.7	14.1	14.1	13.4	13	13.1	14.3	0.6	1.3	15.9					
10	13.9	13.9	14.2	14.3	13.6	13.2	13.4	14.3	0.4	1.1	14.5					
11	14.1	14.1	14.3	14.3	13.7	13.3	13.5	14.3	0.2	1	13.1	4.5000	0.9	0.7	48.6	68.2
12	13.6	13.7	14.2	14.1	13.6	13.1	13.4	14.3	0.6	1.2	14.4					
13	14.1	14.4	14.5	14.9	14	13.6	13.7	14.3	0.8	1.3	14.9					
23	13.7	14	14.3	14.3	13.1	12.7	12.9	14.3	0.6	1.6	14					
26	14.6	14.7	14.6	15.2	13.8	13.2	13.4	14.3	0.6	2	16.9					
27	14.4	14.7	14.7	15	13.7	13.1	13.1	14.3	0.6	1.9	14.5					
28	15.2	15.4	15.5	15.6	13.7	13.4	13.5	14.3	0.4	2.2	15.4	4.5000	0.9	0.7	49.9	70.1
29	14.7	15.1	15.1	15.1	13.6	13.3	13.4	14.3	0.4	1.8	14.6					
30	14.4	14.6	14.7	14.9	13.3	13.1	13.1	14.3	0.5	1.8	14.7					
31	14.6	15	15.1	15.3	13.6	13.3	13.4	14.3	0.5	2	14.5					
32	15.2	15.3	15.5	15.9	14.2	13.8	14	14.3	0.7	2.1	14.3	4.4999	1	0.4	49.5	67.4
33	14.8	15.1	15.3	15.6	14.3	13.9	13.9	14.3	0.8	1.7	14.7					
34	15.3	15.3	15.5	15.8	14.3	14	13.8	14.3	0.5	2	15.2					
35	14.8	14.9	15	15.3	14	13.4	13.8	14.3	0.7	1.9	14.5					
36	15	15.2	15.4	15.6	14.2	13.7	14	14.3	0.6	1.9	15					
37					14.3	14	14.1	14.3								
38	15.1	15.3	15.3	15.8	14.2	13.8	13.9	14.3	0.7	2	14.5					
39	15.2	15.2	15.4	15.5	13.7	13.5	13.7	14.3	0.3	2	15					
41	15.4	15.6	15.5	16	14.7	14.4	14.6	14.3	0.6	1.7	14.3					
42	15.6	15.7	15.9	16	14.4	14	14.1	14.3	0.4	2	14.9					
43	16.3	16.4	16.4	16.9	14.7	13.9	14.2	14.3	0.6	3	15.3					
44	16	16.1			13.8	13.4	13.6	14.3	0.1	2.7	15.1					
45			16.1	16.4	13.9	13.6	13.7	14.3								
46	16.1	16.2	16.4	16.8	13.9	13.5	13.6	14.3	0.7	3.3	14.3					
47	15.6	15.8	15.9	16.1	14.2	13.7	13.9	14.3	0.5	2.4	15.4	4.5000	0.9	0.7	46.6	71.8
48	16.5	16.5	16.4	16.9	14.4	14.1	14.2	14.3	0.5	2.8	15.1					
49	16.2	16.5	16.5	16.7	14.4	13.9	14.1	14.3	0.5	2.8	14.6					
50	16.5	16.6	16.9	16.9	14.4	14.2	14.3	14.3	0.4	2.7	15.1					
51	16.6	16.7	16.8	17.4	14.5	14.1	14.4	14.3	0.8	3.3	15.6					
52	15.9	16.1	16.2	16.5	14.3	13.9	14	14.3	0.6	2.6	14.3					
53	17	17.1	17.1	17.4	16	14.6	14.8	14.3	0.4	3.1	14.7					
54	17	17.2	17.4	17.5	14.5	14.5	14.5	14.3	0.5	3.2	15.3					
56	15.9	16.3	16.5	16.5	14.6	14.2	14.4	14.3	0.6	2.3	12.1	4.5001	1	1	49.6	67
57	16.5	16.4	17	17	15.4	15.1	15.1	14.3	0.6	2.7	14.5					
59	16.4	16.4	16.5	16.8	15.5	15.1	15.3	15.4	0.4	1.7	14.7					
60	16.4	16.6	16.8	17	15.7	14.9	15.1	15.1	0.6	2.1	14.9					
61	15.9	16.3	16.6	16.2	15.2	14.7	14.7	15	0.7	1.9	15.6					
62	17.1	16.8	17.3	17.3	16	15.7	15.8	15.7	0.5	1.6	16.3					
63	16.7	17	16.8	17.4	16.5	16.1	16	16.2	0.7	1.4	15					
64	16.8	17	17.2	17.5	16.2	15.8	15.8	15.8	0.7	1.7	14.9					
65	17.3	17.1	17.5	17.6	16.4	15.9	16.2	16.2	0.5	1.7	15.8					
67	17.3	17	17.2	17.6	16.9	16.5	16.5	16.7	0.6	1.1	15					
69	16.9	17.1	17.3	17.5	16.4	16	15.8	16	0.6	1.7	15.9					
70	17.5	17.4	17.6	17.8	16.5	16.1	16.2	16.4	0.4	1.7	16					
71	17.6	17.9	17.9	18.1	16.7	16.2	16.2	16.3	0.5	1.9	14					
72	18.9	18.9	19.1	19.3	16.6	17.6	17.7	16	0.4	2.7	16.4	4.5009	1.2	0.6	50.2	67.2
73	17.3	17.7	17.8	18	15.8	15.4	15.6	15.8	0.7	2.6	14.5					
76	17.4	17.6	17.8	17.9	16.1	15.8	15.8	15.9	0.5	2.1	14.9					
77	17.9	18	18.1	18.3	16.2	15.9	15.8	16	0.4	2.5	15					
					[redacted]											
	6.6	6.6	6.3	6.3	All Channel Peak to Valley											
	3 dB Adjacent Channel				Pass											

Testpoint: (TP08) 5109 Gardner Dr. Cascade: Node Node #: AX520 Tap Value:
Testdate: 8/8/09 Pole #: Under Ground Print #: I-3 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data					
temp	75	70	82	68												
time	0:01	6:01	12:01	18:01	Video	Video	Video	Video	0.6	4.6	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	14.3	14.3	14.2	14.2	11.5	11.4	11.5	11.4	0.1	2.9	15.7	4.5001	0.9	0.7	50.1	69.1
3	13.8	13.7	13.6	13.7	12.4	12.4	12.6	12.5	0.2	1.4	14.7					
4	14.1	13.9	14	13.9	12.9	12.8	12.7	12.8	0.2	1.5	15.8					
5	13.8	13.8	13.6	13.6	12.8	12.7	12.5	12.6	0.2	1.3	14.9					
6	13.9	13.8	13.8	13.9	13	12.9	13	13.1	0.1	1	14.9					
95					14.1	14.3	14.4	14.2								
14	14.5	14.3	14.4	14.3	13.7	13.8	13.8	13.8	0.2	0.8	12.5					
15	14.7	14.7	14.7	14.5	14.1	14.2	14.2	14.3	0.2	0.6	15.2					
16	15	15	14.9	14.9	14.3	14.1	14.3	14.2	0.1	0.9	14.5					
17	15	15.1	15.1	15.1	13.9	14.1	14.1	14	0.1	1.2	11.8					
18	15.7	15.6	15.7	15.6	14.9	14.9	15	15	0.1	0.8	13.5	4.5000	0.8	0.8	52.3	78.9
19	15.6	15.6	15.7	15.6	14.3	14.4	14.4	14.4	0.1	1.4	14.3					
20	16	15.9	15.9	16	14.3	14.3	14.4	14.4	0.1	1.7	14.5					
21					14.6	14.7	14.7	14.6								
22					14.9	14.9	14.8	14.9								
7	16.5	16.6	16.6	16.5	14.7	14.7	14.8	14.7	0.1	1.9	14.9					
8	16.8	16.9	16.8	16.9	14.9	15.1	15	15.1	0.1	2	14.9	4.5001	0.8	2	52.2	69.4
9	16.4	16.3	16.5	16.3	14.9	15.1	15.2	15.1	0.2	1.6	15.9					
10	16.6	16.6	16.7	16.7	15.9	16.2	16.2	16.2	0.1	0.8	14.7					
11	16.8	16.7	16.7	16.8	16.5	16.5	16.4	16.5	0.1	0.4	13	4.5000	0.8	0.8	52.3	78.9
12	16.4	16.4	16.4	16.3	15.9	16.1	16	16	0.1	0.5	14.4					
13	17	17.1	17	16.9	16.4	16.4	16.5	16.4	0.2	0.7	15.5					
23	15.8	15.8	15.8	15.8	14.5	14.6	14.7	14.6	0	1.3	13.5					
26	16.7	16.8	16.6	16.8	14.8	15.1	15	15.1	0.2	2	16.1					
27	17.2	17.1	17.1	17.3	15.8	16.1	15.9	15.9	0.2	1.5	14.7					
28	17.7	17.8	17.8	17.6	15.8	15.7	16.1	16	0.2	2.2	15.4	4.5000	0.8	1.2	51.8	69.3
29	17.3	17.3	17.4	17.5	15.8	16.1	16	16	0.2	1.7	14.3					
30	17.2	17.2	17.4	17.4	15.5	15.6	15.7	15.6	0.2	1.9	14.3					
31	17.8	18	18	18	16	16.1	16.1	16.2	0.2	2	14.4					
32	18.2	18.3	18.4	18.4	15.6	15.8	15.8	16	0.2	2.8	14.2	4.4999	0.8	1	53.7	68
33	17.9	18	18.1	18.2	15.8	16	16	16.1	0.3	2.4	14.7					
34	18.3	18.2	18.4	18.3	16.1	16.3	16.4	16.2	0.2	2.3	15					
35	17.7	17.7	17.8	18	16	15.9	16.1	16.3	0.3	2.1	14.2					
36	18.4	18.5	18.8	18.7	16.1	16.3	16.3	16.4	0.4	2.7	14.7					
37					16.4	16.8	16.8	16.8								
38	18.3	18.4	18.5	18.5	16.1	16.1	16.3	16.5	0.2	2.4	13.8					
39	18.8	18.8	19	18.9	15.9	16	16	16	0.2	3.1	14.5					
41	19.6	19.5	19.7	19.6	16.5	16.6	16.7	16.8	0.2	3.2	14.6					
42	19.8	19.9	20	20	16.1	16.4	16.4	16.5	0.2	3.9	15.1					
43	19.8	19.7	19.9	19.9	16.4	16.4	16.4	16.4	0.2	3.5	15					
44	19.4	19.5		19.5	16.4	16.4	16.6	16.5	0.1	3.1	14.7					
45			19.5		16.7	16.6	16.7	16.6								
46	20.2	20.2	20.4	20.4	16.6	16.5	16.6	16.8	0.2	3.9	14.2					
47	20	20	20.2	20.1	16.8	17	16.8	16.9	0.2	3.4	15.5	4.5000	0.7	1.4	52.7	76.7
48	20.4	20.6	20.5	20.4	16.9	16.7	16.8	16.6	0.2	3.9	14.8					
49	20.2	20.3	20.4	20.2	16.6	16.5	16.6	16.6	0.2	3.9	14.3					
50	20.8	20.8	20.7	20.7	16.6	16.4	16.4	16.4	0.1	4.4	14.9					
51	20.9	20.8	21	20.9	16.8	16.7	16.7	16.7	0.2	4.3	15.2					
52	20.3	20.5	20.5	20.5	16.8	16.8	16.7	16.7	0.2	3.8	14.3					
53	21.1	21	21	20.9	17	16.9	17.1	17	0.2	4.2	14.5					
54	21	21.1	21	21	16.9	16.9	16.8	16.9	0.1	4.3	14.5					
56	20.9	20.8	20.9	20.9	16.8	16.5	16.6	16.7	0.1	4.4	12.6	4.5001	0.8	1.3	52.2	70.7
57	20.9	21	21.1	21	17.4	17.3	17.3	17.5	0.2	3.8	14.3					
59	20.7	20.8	21	20.9	17.3	17.3	17.4	17.5	0.3	3.7	14.8					
60	20.2	20.3	20.5	20.4	17.4	17.2	17.1	16.9	0.3	3.6	14.4					
61	20.4	20.3	20.4	20.5	17.5	17.4	17.6	17.5	0.2	3.1	15.5					
62	20.9	20.9	21.2	21.1	18.1	18.2	18.3	18.3	0.3	3.1	15.7					
63	20.6	20.8	21	20.8	18	18	17.9	18.1	0.4	3.1	14.2					
64	21.1	21.1	21.3	21.2	18	18	18	18	0.2	3.3	14.8					
65	21.2	21.3	21.5	21.4	18.3	18.5	18.4	18.5	0.3	3.2	15.7					
67	21.3	21.5	21.6	21.4	18.9	18.9	18.9	18.9	0.3	2.7	15					
68	21.3	21.5	21.4	21.3	18.8	18.7	18.6	18.5	0.2	3	15.8					
70	21.3	21.7	21.9	21.9	18.7	18.9	19	18.9	0.6	3.2	15.6					
71	21.6	22	22	22.1	18.9	18.7	18.9	18.9	0.5	3.4	13.8					
72	22.5	22.6	22.8	22.7	18.4	18.2	18.4	18.4	0.3	4.6	15.8	4.5000	1.4	0.8	51	66
73	21.5	21.9	22	22	18.9	19.2	19.2	19	0.5	3.1	14.1					
76	22	22.3	22.3	22.4	19	19.1	19.2	19.3	0.4	3.4	15.2					
77	22	22.4	22.5	22.5	19	19.1	19.3	19.3	0.5	3.5	15.3					
					[redacted]											
	8.7	8.9	9.2	9.1	All Channel Peak to Valley											
	3 dB Adjacent Channel				Pass											

Testpoint: (TP09) 418 Bashford Ln. Cascade: Node Node #: AX486 Tap Value:
Testdate: 8/6/09 Pole #: Under Ground Print #: G-10 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data					
temp	75	70	82	88												
time	0:01	6:01	12:01	18:01	Video	Video	Video	Video	1	4.4	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	17.6	17.8	17.9	17.8	14.2	13.5	13.5	13.5	0.3	4.4	16.8	4.5001	1	1.1	47.8	68.5
3	16.5	16.6	16.5	16.4	14.3	14.6	14.6	14.6	0.2	2.3	15					
4	17	17.4	17.3	17.4	14.9	14.9	15	15	0.4	2.5	16					
5	16.8	17.1	17	17	14.3	14.5	14.4	14.7	0.3	2.8	15.2					
6	17	17.3	17.3	17.1	15.4	15.7	15.7	15.8	0.3	1.9	15.4					
95					17.1	17.3	17.7	17.3								
14	15.9	15.9	15.9	16	16.4	16.6	16.5	16.6	0.1	0.7	12.5					
15	16.2	16.3	16.3	16.4	15.6	15.9	16.1	15.9	0.2	0.8	15.4					
16	16.8	17	17.1	17	16.1	16.4	16.4	16.5	0.3	1	15.4					
17	16.2	16.5	16.4	16.4	16	16.5	16.7	16.5	0.3	0.7	12.1					
18	16.1	16.5	16.7	16.6	15.2	15.6	15.7	15.9	0.6	1.5	14.4	4.5000	0.6	0.9	48.4	63.6
19	16.1	16.2	16.5	16.6	16.4	16.6	16.8	16.9	0.5	0.8	14.6					
20	16.5	16.9	17.1	17	16.6	16.8	16.9	17	0.6	0.6	14.2					
21					16.1	15.7	15.8	15.7								
22					16.9	17.2	17.3	17.3								
7	17	17.2	17.4	17.4	17	17.3	17.4	17.5	0.4	0.5	15.1					
8	16.6	16.9	16.9	16.8	16.1	15.8	16	15.9	0.3	1.1	15.1	4.5001	0.9	0.8	48.3	68.6
9	16.8	17.2	17.1	16.7	16.8	17.1	17.3	17.3	0.5	0.6	16.1					
10	17.3	17.5	17.6	17.6	17.1	17.3	17.5	17.6	0.3	0.5	14.5					
11	17.2	17.6	17.5	17.5	17.1	17.4	17.7	17.8	0.4	0.6	12.9	4.5000	0.6	1.1	48.5	66.5
12	16.3	16.7	17	16.4	16.9	17.1	17.5	17.5	0.7	1.2	14.6					
13	17.2	17.5	17.7	17.6	17.3	17.7	18	18.1	0.5	0.9	14.8					
23	17.1	17.3	17.5	17.5	16.4	16.8	16.9	16.5	0.4	1.1	14.3					
26	17.1	17.3	17.3	17.4	17.1	17.4	17.6	17.6	0.3	0.5	16.4					
27	17.1	17.4	17.4	17.6	17	17.3	17.5	17.4	0.5	0.6	14.5					
28	18.3	18.5	18.7	18.8	17.4	17.1	17.2	17.1	0.5	1.7	15.3	4.5000	0.8	1.2	49.5	68
29	18	18.4	18.5	18.7	17.6	17.7	17.9	17.9	0.7	1.2	14.9					
30	17.3	17.5	17.6	17.5	16.8	17.1	17.4	17.3	0.3	0.8	14.6					
31	17.4	17.8	18	18	17.2	17.5	17.6	17.8	0.6	0.8	14.5					
32	17.8	17.9	18.2	18.3	17.6	17	17.2	17.2	0.5	1.3	14.3	4.4999	0.8	0.7	49.8	67.1
33	17.5	17.8	18.1	18	17.6	17.8	18	18.1	0.6	0.6	14.8					
34	17.8	18.1	18.3	18.3	17.5	17.7	18	17.9	0.5	0.8	14.9					
35	17	17.4	17.7	17.5	17.4	17.8	17.8	17.8	0.7	0.8	14.6					
36	17.2	17.8	17.8	17.7	17.4	17.8	17.9	18	0.6	0.8	15.1					
37					17.5	17.8	17.9	17.9								
38	17.7	17.9	18	18.2	17.6	18	18.2	18.2	0.5	0.6	14.4					
39	17	17.1	17.5	17.4	17	17.3	17.5	17.4	0.5	0.5	14.8					
41	17.1	17.5	17.7	17.7	18	18.1	18.5	18.4	0.6	1.4	14.2					
42	17.5	17.7	17.8	18	17.9	18.2	18.4	18.4	0.5	0.9	15					
43	18.3	18.6	18.9	18.8	17.5	17.8	18.1	18.2	0.6	1.4	15.2					
44	17.5	18	18.3	18.2	17.3	17.6	17.8	17.5	0.8	1	15.1					
45					17	17.1	17.2	17.3								
46	18.2	18.4	18.7	18.5	17.3	17.6	17.7	17.6	0.5	1.4	14.5					
47	17	17.4	17.5	17.5	17.9	17.4	17.5	17.6	0.5	0.9	15.4	4.5000	0.9	0.7	48.8	74.6
48	18.5	19.2	19.1	19.3	17.6	17.7	17.9	17.9	0.8	1.7	14.6					
49	18.2	18.5	18.8	18.8	16	16.3	16.6	18.4	0.6	0.8	14.6					
50	17.6	18	18.2	18	18.2	18.5	18.7	18.6	0.6	1.1	15.3					
51	17.9	18.3	18.6	18.6	17.5	17.8	17.9	17.9	0.7	1.1	15.5					
52	18.6	18.8	18.9	19	18.3	18.5	18.7	18.6	0.4	0.7	14.4					
53	19	19.3	19.3	19.4	18.7	18.9	19.2	19.1	0.4	0.7	14.6					
54	19.4	19.7	19.8	19.7	17.9	18.2	18.4	18.3	0.4	1.9	15.4					
56	18.7	19.1	19.4	19.3	18.7	21.5	21.5	21.7	0.7	3	12.5	4.5001	0.9	0.6	50.2	74.7
57	19	19.4	19.4	19.6	18.6	18.8	19.2	19	0.6	1	14.7					
59	19.5	20	20	20	19.8	20	20.1	20.1	0.5	0.6	14.6					
60	19.6	20.1	20.3	20.2	19.7	19.7	19.8	20	0.7	0.7	15.2					
61	18.4	18.9	19.1	18.9	19.3	19.8	19.9	19.9	0.7	1.5	15.9					
62	19.8	20.2	20.3	20.5	20.4	20.6	20.7	20.8	0.7	1	16.2					
63	20.2	20.7	21	21.1	20.9	21.1	21.2	21.4	0.9	1.2	14.7					
64	20.4	20.5	20.9	20.9	20.8	21	21.3	21.2	0.5	0.9	15.1					
65	20.7	21.1	21.1	21.1	21	21.2	21.4	21.3	0.4	0.7	15.8					
67	21	21.3	21.6	21.5	22	22.2	22.4	22.5	0.6	1.5	14.6					
69	21	21.5	21.6	21.6	21.8	22.1	21.8	22.3	0.6	1.3	15.9					
70	20.9	21.7	21.7	21.7	21.8	22	22.2	22.3	0.8	1.4	15.8					
71	21	21.5	21.6	21.5	21.7	21.9	22.2	22.2	0.6	1.2	14					
72	21.9	22.4	22.6	22.9	23.2	23	23.2	23.1	1	1.3	16.3	4.5000	1.7	0.6	48.6	69.6
73	21.1	21.6	21.7	21.7	21.4	21.5	21.9	22	0.6	0.9	14.8					
76	20.7	21	21.3	21.3	21.5	21.7	21.9	22	0.6	1.3	15					
77	20.8	21.4	21.5	21.7	21.3	21.5	21.7	21.7	0.9	0.9	15.1					
	6	6.5	6.7	6.9	All Channel Peak to Valley											
3 dB Adjacent Channel				Pass												

Testpoint: (TP10) 5465 Colfax Ave Cascade: Node Node #: AX182 Tap Value:
Testdate: 8/15/09 Pole #: Print #: C-3 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance									24 Hr	6 Mo.	Aural Data		Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)											
temp	75	70	82	88												
time	15:33	21:33	3:33	9:33	Video	Video	Video	Video	0.5	4.8	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	18	18.2	18.3	18.3	18.5	18.4	18.7	18.4	0.3	0.7	16.1	4.5001	0.7	0.7	51.1	67.9
3	17	16.8	16.9	16.9	19	19.2	19.4	19.1	0.2	2.6	14.1					
4	17.3	17.1	17.1	17.1	20	20.2	20.5	20.2	0.2	3.4	15.7					
5	17.3	17.2	17.2	17.3	18	18.3	18.6	18.2	0.1	1.4	14.6					
6	17.1	17.1	16.8	17.1	18.3	18.6	19	18.5	0.3	2.2	15.2					
95					17.1	17.3	17.7	17.3								
14	16.4	16.3	16.3	16.4	18.6	18.9	18.9	18.7	0.1	2.6	12.5					
15	16.6	16.3	16.6	16.6	17.5	17.8	18.1	17.6	0.3	1.8	15					
16	16.8	16.7	16.9	17	18.1	18.6	18.2	18.5	0.3	1.9	14.9					
17	16.6	16.5	16.8	16.7	17.8	18	18.3	17.9	0.3	1.8	11.9					
18	17.4	17.3	17.5	17.3	17.8	18	18.4	18	0.2	1.1	13.4	4.5000	0.8	1.2	49.8	68.1
19	16.7	16.7	16.7	16.7	17.6	18.1	18.2	18.5	0	1.8	13.6					
20	17	17	17	17	17.7	18	18.2	17.8	0	1.2	14.2					
21					18.4	18.7	19.1	18.7								
22					17.7	18.3	18.5	18.1								
7	17.5	17.7	17.6	17.6	17.7	18	18.4	18	0.2	0.9	14.7					
8	18.4	18.4	18.4	18.4	17.7	18.1	18.5	18.3	0	0.8	15.1	4.5001	0.7	2	51.1	69.6
9	17.9	18	18	18	18.3	18.5	18.9	18.6	0.1	1	16.3					
10	17.7	17.7	17.9	17.7	15.8	16	16.5	15.9	0.2	2.1	14.3					
11	17.6	18.1	18.2	18.4	17.5	17	17.2	17.8	0.6	1.4	12.6	4.5000	0.8	1.2	50.6	69.1
12	17.6	17.8	17.6	17.6	18.9	19.3	19.7	19.2	0.2	2.1	14.2					
13	18	18	18.2	18.1	17.5	17.9	18.4	17.8	0.2	0.9	14.4					
23	18.1	18	17.9	18	18.5	18.8	19.1	18.7	0.2	1.2	13.8					
26	18.4	18.4	18.4	18.4	18.4	18.7	18.9	18.5	0	0.5	16.8					
27	18.3	18.4	18.4	18.4	19	19.4	19.7	19.3	0.1	1.4	14.7					
28	18.6	18.6	18.6	18.6	18.9	19.3	19.7	19.1	0.2	1.1	14.9	4.5000	0.8	0.9	51.2	69.9
29	18.6	18.7	18.5	18.5	19.1	19.7	20	19.4	0.2	1.5	14.9					
30	18.3	18.1	18.1	18.2	18	18.5	18.8	18.4	0.2	0.8	14.5					
31	17.6	17.7	17.7	17.7	17.8	18.1	18.5	18.1	0.1	0.9	13.6					
32	19.1	19	18.9	18.9	17.9	18.4	18.7	18	0.2	1.2	14.6	4.4999	0.7	1.3	51.4	71.3
33	18.1	18.3	18.2	18.3	19	19.4	19.8	19.3	0.2	1.7	14.6					
34	18.4	18.5	18.5	18.5	19.2	19.6	19.9	19.5	0.1	1.5	14.4					
35	18.6	18.9	18.9	18.9	18.7	19.2	19.5	19	0.3	0.9	15.5					
36	18.6	18.4	18.3	18.5	19.1	19.5	19.8	19.3	0.3	1.5	15.2					
37					17.9	18.3	18.7	18.3								
38	18.9	19	18.9	18.8	18	18.6	19	18.4	0.2	1	14.6					
39	18.6	18.5	18.6	18.6	19	19.5	19.8	19.4	0.1	1.3	14.5					
41	18.6	18.8	18.8	18.8	19.1	19.5	19.9	19.4	0.2	1.3	14.9					
42	18.2	18.3	18.4	18.3	17.9	18.3	18.6	18.1	0.2	0.7	14.6					
43	18.7	18.7	18.6	18.8	18	18.3	18.4	18.1	0.2	0.8	14.8					
44	18.6	18.6	18.7	18.5	15.1	15.6	15.7	15.4	0.2	3.6	15.2					
45					18	18.4	18.7	18.2								
46	18.7	18.9	18.8	18.9	17.4	17.8	18.1	17.6	0.2	1.5	14.6					
47	18.2	18.1	18.4	18.3	18.9	17.5	17.7	17.2	0.3	1.5	15.8	4.5000	0.8	1.1	50.5	69.8
48	18	18.1	18	18.2	18.3	18.8	19	18.6	0.2	1	14.7					
49	18	18.1	18	18	18.7	19.5	19.9	19.3	0.1	1.9	14.6					
50	18.4	18.3	18.5	18.5	17.8	17.8	18.4	18	0.2	0.7	15.3					
51	18.1	18.1	18.1	18.1	19	19.4	19.5	19.2	0	1.4	16.6					
52	15.8	15.9	15.9	15.7	16.2	16.7	16.8	16.7	0.2	3.1	15					
53	14.3	14.3	14.5	14.3	16.6	16.8	19.1	16.7	0.2	4.8	12.7					
54	15.7	15.8	15.7	15.7	19.3	19.8	19.9	19.5	0.1	4.2	13					
56	18.1	17.9	18.5	18.3	19.6	19.9	20.1	19.8	0.6	2.2	11.7	4.5001	1	0.8	51.7	71.3
57	19.3	19.4	19.4	19.4	18.2	18.8	19	18.5	0.1	1.2	14.5					
59	19	18.9	18.9	18.9	18.7	19	19.3	19	0.1	0.6	13.9					
60	19.9	19.8	19.7	19.8	18.4	19	19.2	18.8	0.2	1.5	14.5					
61	19.7	19.8	19.6	19.7	18.2	18.7	19.1	18.7	0.2	1.6	15.3					
62	20.1	20	20.3	20.3	18.5	19	19.3	19	0.3	1.8	15.2					
63	19.7	19.7	19.6	19.7	18.4	19.1	19.4	19	0.1	1.3	14.5					
64	19.9	19.9	19.9	20	18.3	18.4	18.7	18.4	0.1	1.7	14.6					
65	19.6	19.8	19.8	19.7	19.3	19.5	19.8	19.5	0.2	0.5	14.6					
67	20.7	20.9	20.9	20.8	19.9	20.2	20.4	20.2	0.2	1	14.8					
69	21.1	21.1	20.9	21	19.7	20.1	20.4	20.1	0.2	1.4	16					
70	20.8	20.9	20.8	20.9	18.3	18.7	18.8	18.7	0.1	2.6	15.7					
71	21	20.9	20.8	20.8	20	20.5	20.6	20.3	0.2	1	13.9					
72	22.1	22.1	22.3	22.2	20.5	20.8	21.1	20.6	0.2	1.8	16.2	4.5000	1.2	1.3	49.8	65.3
73	20.2	20.2	20.1	20.1	20.8	21	21.1	21.3	0.1	1.2	14.2					
76	20.9	21	20.8	21	21.9	21.9	21.9	22	0.1	1.1	15					
77	21	21	20.9	20.9	21.5	21.7	21.7	21.9	0.1	1	15.1					
	7.8	7.8	7.8	7.9	All Channel Peak to Valley											
	3 dB Adjacent Channel				Pass											

Testpoint: (TP11) 2387 N Early St Cascade: Node Node #: AX290 Tap Value:
Testdate: 1/23/09 Pole #: CD127 Print #: E-5 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance									24 Hr	6 Mo.	Aural Data		Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)											
temp	75	70	82	88												
time	0:01	6:01	12:01	18:01	Video	Video	Video	Video			V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	24	24.2	24.3	24.3	21.4	21.4	21.4	21.5	0.3	2.9	16.8	4.5001	0.7	0.8	52.3	74.6
3	21.3	21.5	21.6	21.6	22	21.9	22	22.2	0.3	0.9	15					
4	22.8	22.9	22.9	23	22.2	22.2	22.4	22.2	0.2	0.8	16					
5	21.2	21.2	21.5	21.5	21.8	21.9	22.1	22	0.3	0.9	15.2					
6	22.7	22.7	22.9	23	22.6	22.6	22.7	22.8	0.3	0.5	15.4					
95					23.9	24	24.1	24.1								
14	21.3	21.4	21.7	21.7	22.7	22.6	22.6	22.9	0.4	1.6	12.5					
15	21.9	22.3	22.1	22.4	22.6	22.7	22.6	22.8	0.5	0.9	15.4					
16	21.8	22.2	22.3	22.5	22.5	22.5	22.6	22.7	0.7	0.9	15.4					
17	21.3	21.4	21.5	21.5	22.6	22.4	22.5	22.7	0.2	1.4	12.1					
18	22.6	23.1	23.3	23.4	22.5	22.5	22.6	22.6	0.8	0.9	14.4	4.5000	0.7	0.9	53.4	70.1
19	21.1	21.4	21.6	21.6	22.6	22.8	22.8	22.8	0.7	1.7	14.6					
20	21.8	22.1	22.2	22.3	22.8	22.8	22.9	23.1	0.5	1.3	14.2					
21					22.8	22.8	22.9	23								
22					23.2	23.1	23.2	23.4								
7	22.7	23.1	23.4	23.6	23.1	23.1	23.3	23.3	0.7	0.7	15.1					
8	22.3	22.7	22.9	22.9	23.1	23.1	23.3	23.2	0.6	1	15.1	4.5001	0.7	2	53.8	67.9
9	21.7	22.1	21.9	22.3	23.2	23.3	23.3	23.4	0.5	1.7	16.1					
10	22.6	23	23.2	23.2	23.2	23.2	23.2	23.4	0.6	0.8	14.5					
11	21.9	21.8	21.9	22.4	23.4	23.4	23.6	23.6	0.6	1.8	12.9	4.5000	0.6	0.9	52	70.4
12	22.7	22.8	23.1	23.1	23.2	23.2	23.3	23.5	0.4	0.8	14.8					
13	22.6	22.9	23.2	23.2	23.6	23.4	23.5	23.6	0.6	1	14.6					
23	21.6	21.6	22	22	22.4	22.3	22.6	22.5	0.4	1	14.3					
26	22.4	22.6	22.8	22.8	22.7	22.7	22.7	22.8	0.4	0.4	16.4					
27	22.8	22.8	23.2	23.1	22.7	22.7	22.8	22.9	0.9	0.9	14.5					
28	22.4	22.6	23.1	22.8	22.5	22.5	22.6	22.7	0.7	0.7	15.3	4.5000	0.7	1	52.9	76.6
29	22.8	23.4	23.4	23.7	22.3	22.4	22.6	22.7	0.9	1.4	14.9					
30	22.3	22.5	22.9	22.9	22.3	22.3	22.6	22.7	0.6	0.6	14.6					
31	22.7	23	23.2	23.3	22.4	22.4	22.6	22.7	0.6	0.9	14.5					
32	23.6	24	24.2	24.1	22.8	22.8	22.9	23	0.6	1.4	14.3	4.4998	0.6	1.1	53.6	71
33	22.1	22.5	22.7	22.6	22.8	22.8	22.8	22.8	0.6	0.7	14.8					
34	23.2	23.5	23.5	23.7	22.9	22.8	22.7	22.9	0.5	1.2	14.9					
35	22.3	22.6	23.1	22.9	23.2	23.1	23.2	23.3	0.8	1	14.6					
36	22.5	22.9	23.2	23.2	22.8	22.9	22.9	23.1	0.7	0.7	15.1					
37					23	23	23.2	23.3								
38	22.9	23	23.5	23.4	23.1	23.1	23.4	23.5	0.6	0.6	14.4					
39	23.2	23.3	23.7	23.7	22.2	22.3	22.6	22.7	0.5	1.5	14.8					
41	23	23.4	23.6	23.7	23	23	23.1	23.1	0.7	0.7	14.2					
42	23.5	23.8	24.2	24	22.3	22.3	22.5	22.6	0.7	1.9	15					
43	23.1	23.4	23.7	23.7	22.2	22.4	22.6	22.7	0.6	1.5	15.2					
44	23.3	23.6	23.8	23.8	22.7	22.8	23	22.9	0.5	1.1	15.1					
45					22.5	22.6	22.7	22.8								
46	23.2	23.4	23.7	23.8	22.4	22.4	22.5	22.8	0.6	1.4	14.5					
47	23.6	24	24	24.1	22.7	22.7	22.8	22.9	0.5	1.4	15.4	4.5000	0.8	0.9	53	67.5
48	23.5	24.1	23.9	24	22.8	22.8	22.8	22.9	0.6	1.5	14.8					
49	23.9	24	23.8	23.7	22.8	22.8	22.7	22.8	0.3	1.5	14.6					
50	23.7	23.9	24	23.9	22.4	22.4	22.7	22.7	0.3	1.6	15.5					
51	23.3	23.4	23.5	23.9	22.7	22.8	22.8	23	0.6	1.2	15.5					
52	23.4	23.3	23.6	23.7	22.4	22.8	22.8	23	0.4	1.3	14.4					
53	23.6	23.8	24.4	24	22.7	22.7	22.9	22.8	0.8	1.7	14.8					
54	23.8	24.1	24.4	24.4	22.5	22.5	22.6	22.7	0.6	1.9	15.4					
56	22.9	23.6	23.9	23.7	21.5	21.6	21.7	21.7	0.9	2.3	12.5	4.5001	0.7	0.8	52.9	67.9
57	23	24.1	24.3	24.2	21.9	22	22.1	22.2	1.3	2.4	14.7					
59	22.2	22.7	23	23	21.3	21.3	21.5	21.7	0.8	1.7	14.6					
60	23.3	23.8	23.9	24.1	21.1	21.2	21.4	21.4	0.8	3	15.2					
61	22.7	23.1	23.2	23.2	21.6	21.7	21.7	21.9	0.5	1.6	15.9					
62	23.8	24.1	24.4	24.2	22.1	22.3	22.4	22.5	0.6	2.3	16.2					
63	23.6	24.4	24.3	24.4	21.9	22	22.3	22.3	0.8	2.5	14.7					
64	23.9	24.4	24.5	24.4	21.6	21.9	22	22.1	0.6	2.9	15.1					
65	24.3	24.7	24.7	24.8	22	22.1	22.4	22.3	0.5	2.8	15.8					
67	24.3	24.4	24.7	24.7	21.8	22	22.1	22.2	0.4	2.9	14.6					
69	24.3	24.6	24.5	24.7	21.4	21.3	21.4	21.6	0.4	3.4	15.9					
70	24.2	24.6	24.7	24.8	21.5	21.8	22	22.1	0.6	3.3	15.8					
71	24.8	24.6	25	24.9	21.8	22.8	22.1	22	0.9	3.2	14					
72	25	25.5	26	25.6	21.4	21.6	21.7	21.7	1	4.6	16.9	4.5000	1.3	0.7	52.1	67.5
73	23.7	24	24.4	24.4	22.1	22.1	22.3	22.5	0.7	2.3	14.8					
76	23.7	24.2	24.6	24.3	22.1	22.1	22.3	22.5	0.9	2.5	15					
77	24.3	24.6	25	25	22.1	22.2	22.5	22.5	0.7	2.9	15.1					
					[redacted]											
	3.9	4.3	4.5	4.1	All Channel Peak to Valley											
	3 dB Adjacent Channel			Pass												

Testpoint: (TPHE) 3900 Wheeler Ave. Cascade: Node #: Tap Value: Test Point
Testdate: 8/8/06 Pole #: Print #: HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data					
temp	65	65	65	65												
time	0:01	6:01	12:01	18:01	Video	Video	Video	Video			V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	12.3	12.1	12.2	12	7.3	7.2	7.4	7.3	0.3	5.1	16.4	4.5001	0.8	0.7	53.9	76.3
3	11.3	11.1	11.4	11.2	7.8	7.8	7.6	7.6	0.3	3.8	15					
4	11.5	11.4	11.5	11.6	7.9	7.9	8	7.9	0.2	3.7	16					
5	11.5	11.3	11.5	11.3	7.8	7.8	7.6	7.7	0.2	3.9	15.1					
6	11.6	11.8	11.4	11.7	8.2	8.1	8.1	8.2	0.4	3.7	15.2					
95					8.5	8.4	8.6	8.6								
14	11.2	11.1	11.3	11.3	8.6	8.6	8.6	8.6	0.2	2.8	12.5					
15	11.2	11.2	11.4	11.3	8.8	8.9	8.8	8.9	0.2	2.6	15.3					
16	11.4	11.4	11.3	11.2	8.9	8.7	8.8	8.9	0.2	2.7	15.1					
17	11.4	11.4	11.3	11.3	9	8.8	8.7	8.8	0.1	2.7	12.5					
18	11.8	11.8	11.7	11.8	10.3	10.2	10	10	0.1	1.8	14.3	4.5000	0.8	0.8	53	71.9
19	11.2	11.1	11.2	11	8.7	8.6	8.3	8.4	0.2	2.9	14.6					
20	11.3	11.3	11.2	11.3	8.6	8.6	8.6	8.4	0.1	2.9	14.8					
21					8.8	8.6	8.8	8.6								
22					8.7	8.7	8.6	8.6								
7	11.4	11.3	11.4	11.3	8.6	8.6	8.4	8.3	0.1	3.1	14.9					
8	11.6	11.6	11.6	11.4	8.2	8.4	8.4	8.4	0.2	3.4	15	4.5001	0.9	1.1	53.8	72.8
9	11.3	11.3	11.1	11.2	8.5	8.5	8.4	8.5	0.2	2.9	16.4					
10	11	11	11	10.9	9.5	9.4	9.4	9.3	0.1	1.7	14.1					
11	11.4	11.4	11.6	11.5	9.6	9.6	9.6	9.4	0.2	2.2	13	4.5000	0.7	0.7	52.6	72.7
12	11.2	11.1	11.1	11.1	9.4	9.5	9.5	9.4	0.1	1.6	14.7					
13	11.3	11.3	11.3	11.3	9.6	9.5	9.6	9.6	0	1.6	14.9					
23	10.6	10.7	10.7	10.8	8.7	8.6	8.6	8.6	0.1	2.3	14					
26	11.4	11.4	11.2	11.3	8.4	8.2	8.4	8.4	0.2	3.2	17					
27	11.3	11.3	11.1	11.2	9.5	9.1	9.3	9.3	0.2	2.2	14.7					
28	11.7	11.9	11.8	12	9.4	9.2	9.2	8.9	0.3	3.1	15.1	4.5000	0.9	0.7	53	74.8
29	11.5	11.4	11.4	11.3	9.2	9.2	9.3	9.2	0.2	2.3	15					
30	11.2	11.1	11.2	10.9	9.2	9.2	9.3	9.3	0.3	2	14.9					
31	11.3	11.2	11.2	11.2	9.4	9.3	9.4	9.4	0.1	2	14.5					
32	11.6	11.4	11.6	11.6	9.5	9.6	9.5	9.6	0.2	2.1	14.5	4.4999	0.8	0.6	52.7	73.1
33	11.1	11.1	11.2	11.1	9.5	9.6	9.5	9.6	0.1	1.7	14.9					
34	11.2	11.2	11.1	11	9.5	9.6	9.6	9.6	0.2	1.7	15					
35	10.9	10.8	10.9	10.7	9.7	9.6	9.6	9.6	0.2	1.4	14.9					
36	11.2	11.3	11.1	11.3	9.6	9.5	9.6	9.4	0.2	1.9	14.8					
37					9.6	9.7	9.6	9.4								
38	11	10.9	11	11.1	9.6	9.5	9.4	9.6	0.2	1.7	14.6					
39	10.6	10.7	10.6	10.6	9.1	9.1	9.1	9.1	0.1	1.6	14.4					
41	11.1	11.2	11.1	11.1	9.6	9.7	9.6	9.6	0.1	1.6	14.6					
42	11.2	10.9	11.1	10.9	9.2	9.1	8.7	9.3	0.3	2.5	15					
43	11.4	11.2	11.5	11.1	9.3	9.2	9.2	9.2	0.4	2.3	15.1					
44	11.2	11	11.3	11.1	9.7	9.6	9.4	9.5	0.3	1.9	15.2					
45					9.3	9.4	9.3	9.3								
46	11.2	11.6	11.6	11.5	9.1	9.1	9.1	9.2	0.4	2.5	14.5					
47	11	10.9	10.8	10.8	9.6	9.5	9.5	9.5	0.2	1.5	15.5	4.5000	0.7	0.8	52.9	67.6
48	11.2	11.1	11.1	11.3	9.5	9.4	9.5	9.6	0.2	1.9	14.7					
49	11.2	11	11.1	11.2	9.5	9.4	9.4	9.1	0.2	2.1	14.8					
50	11.6	11.5	11.4	11.4	9.1	9	9.3	9.3	0.3	2.6	14.9					
51	11.6	11.7	12	11.8	9.4	9.6	9.3	9.1	0.4	2.9	14.9					
52	11.3	11.2	11.4	11.3	9.3	9.4	9.4	9.4	0.2	2.1	14.4					
53	11.7	11.8	11.8	11.7	9.5	9.6	9.5	9.5	0.1	2.3	14.2					
54	11.7	11.6	11.6	11.8	9.4	9.4	9.3	9.4	0.2	2.5	14.8					
56	10.9	10.9	11.1	10.9	8.7	8.9	8.8	8.9	0.2	2.4	12.1	4.5001	0.4	0.9	52.4	71.4
57	11.5	11.7	11.6	11.5	9.3	9.6	9.7	9.6	0.2	2.4	14.7					
59	10.8	10.8	10.9	10.9	9.1	9.4	9.4	9.2	0.1	1.8	14.3					
60	11.1	11.1	10.6	10.9	9.7	9.5	9.6	9.5	0.5	1.6	15.2					
61	10.4	10.3	10.5	10.5	9.1	9.1	9.1	9.1	0.2	1.4	15.5					
62	10.9	11	10.7	10.8	9.5	9.5	9.3	9.4	0.3	1.7	15.5					
63	10.9	10.9	10.8	11	9.4	9.1	9.3	9.4	0.2	1.9	14.9					
64	10.8	11	11	10.8	9.1	9.3	9.2	9.1	0.2	1.9	14.7					
65	10.8	10.9	10.9	10.4	9.6	9.8	9.4	9.4	0.5	1.5	15.2					
67	10.9	11.1	11	11.1	9.6	9.3	9.5	9.5	0.2	1.8	14.6					
69	11.2	11.2	10.9	11.1	9.5	9.7	9.2	9.3	0.3	2	16.8					
70	10.9	10.8	10.8	10.9	9.5	9.3	9.4	9.6	0.1	1.6	15.9					
71	10.9	10.9	10.8	11	9.6	9.8	9.4	9.6	0.2	1.6	13.8					
72	11.9	11.9	11.9	11.9	9.7	9.7	9.8	9.8	0	2.4	16	4.5000	0.8	0.5	50.7	70.9
73	10.7	10.6	10.7	10.7	9.7	9.5	9.6	9.6	0.1	1.2	14.6					
76	10.6	10.5	10.5	10.5	9.8	9.9	9.7	9.5	0.1	1.1	15					
77	10.8	10.8	10.8	10.8	10	9.8	10	9.9	0	1	15.4					
					[redacted]											
	1.9	1.8	1.7	1.8	All Channel Peak to Valley											
	3 dB Adjacent Channel				Pass											

Chapter 10 – Summaries

Insert FamilyWare POP system summary in this section before narrative

Narrative

Channels 95,96,21,22,24,37,40,45,55,58,66,68,69,71,74,75,78 have been removed from the analog line up.

System:	**Alexandria**
Test Series:	Summer 2009
Test Period:	*July-August*
Score:	*100.00*

		notes:
Subscribers:	50,366	
Analog Bandwidth:	750	50 Digital QAMs above 510 MHz
Testpoints:	12	11 Additional test locations and HE
Test Channels:	9	Channels 2,11,18,8,28,32,47,56,72
Hubs:	0	

Max Peak to Valley	13 dB	From FCC rules based on analog bandwidth
Baseband Converter	1	Enter 1 if baseband, 0 if Heterodyne

Headend:	Alexandria
Address:	3900 Wheeler Ave. Alexandria VA, 22304

Person Responsible:	Greg Harmon
Experience:	25 years CATV industry
Assisting:	

Test Equipment	**Model Number**	**Calibration Date**	**Serial Number**
HP 8591C Analyzer	AT2500RQ	9/4/2008	6563-0905
JDSU 5000	SDA-5000	9/4/2008	413408
Acterna SDA 4040	SDA-4040D	7/29/2008	4240089
Cybertek Examiner	101129-001	N/A	N/A

Channel Carriage:	See file in FCC Public Inspection File
Test Procedures:	See file in FCC Public Inspection File
Terminal Isolation:	See file in FCC Public Inspection File
CLI:	See file in FCC Public Inspection File for Logs and Repairs
Flyover/320 Info:	Most recent flyover was 3/25/09 with a score of 100% (FCC)
EAS:	See file in FCC Public Inspection File

Comcast

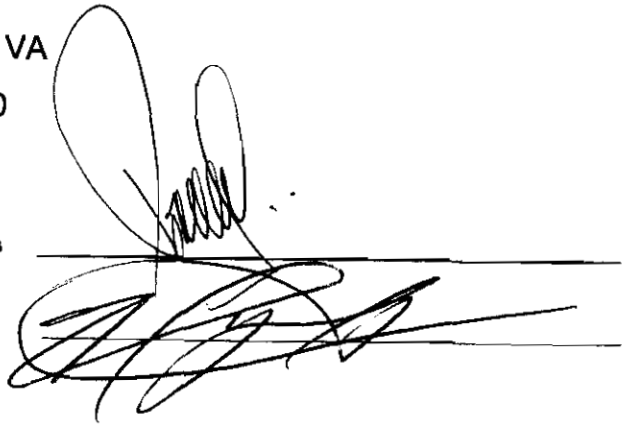
FCC Technical Standards Tests

System Alexandria, VA

Test Date Winter 2010

Signature Person Responsible for Tests

Signature System General Manager



Region/Area: Beltway - NOVA

Filename: FCC POP Filing Template.doc

Template Author: Ray Houck

Print Date: 2-19-2010

Last Save Date: 2-19-2010

Comments:

Table of Contents

Chapter 1 - Test Qualifications

FCC Part 76.601.1 An identification of the instruments, including the makes, model numbers, and the most recent date of calibration, a description of the procedures utilized, and a statement of the qualifications of the person performing the tests shall also be included.

Person Responsible for Testing:

Brandi Porras

Industry Experience:

16 Years in CATV industry

Technical Certifications:

NCTI – System Technician, NCT5 – Network Maintenance Technician

Additional Comments:

Chapter 2 – Scheduling, Requirements, and Methodology

FCC Proof of Performance

- Two Proofs must be completed each calendar year
- The time period between any two proofs must not exceed seven months
- All repairs and retesting must be completed before the filing deadline

Twenty-four Hour Signal Variation Test

- Two twenty-four hour tests must be completed each year, one in January and one in July
- Initial repeat testing on failed twenty-four hour tests must be completed by February 10th or August 10th respective to each test period
- It is the general manager's responsibility to insure that the twenty-four hour tests have been completed and passed by the end of February and again by the end of August

Color Testing

- Color tests must be completed tri-annually for chrominance-luminance delay inequality, differential gain, and differential phase

FCC Public Inspection File

This page addresses FCC Public Inspection File requirements only for documentation typical processed by technical staff. It does not address the political file, sponsorships, EEO, or children's programming.

The following paragraphs are excerpts from FCC rules followed by comments and interpretations.

§ 76.305 Records to be maintained locally by cable system operators for public inspection

(a) *Records to be maintained.* The operator of every cable television system having 1,000 or more subscribers shall maintain for public inspection a file containing a copy of all records which are required to be kept by § 76.207 (political file); 76.221(f) (sponsorship identifications); 76.79 (EEO records available for public inspection); 76.225(c) (commercial records for children's programming); 76.601(c) (proof-of-performance test data); 76.601(e) (signal leak-age logs and repair records) and § 76.701(h)(records for leased access).

(1) A record shall be kept of each test and activation of the Emergency Alert System (EAS) procedures pursuant to the requirement of part 11 of this chapter and the EAS Operating Handbook. These records shall be kept for three years.

(2) [Reserved]

(b) *Location of records.* The public inspection file shall be maintained at the office which the system operator maintains for the ordinary collection of subscriber charges, resolution of sub-scriber complaints, and other business or at any accessible place in the community served by the system unit(s) (such as a public registry for documents or an attorney's office). The public inspection file shall be available for public inspection at any time during regular business hours.

(c) The records specified in paragraph (a) of this section shall be retained for the period specified in §§ 76.207, 76.221(f), 76.79, 76.225(c), 76.601(c), and 76.601(e), respectively.

(d) *Reproduction of records.* Copies of any material in the public inspection file shall be available for machine reproduction upon request made in person, provided the requesting party shall pay the reasonable cost of reproduction. Requests for machine copies shall be fulfilled at a location specified by the system operator, within a reasonable period of time, which in no event shall be longer than seven days. The system operator is not required to honor requests made by mail but may do so if it chooses.

Comments

Insure that your FCC public inspection file is well organized, and professionally maintained.

Insure all EAS tapes that document all tests and activations of the EAS system are kept in the file. Moreover, any other documentation of EAS

activity is suggested. (correspondence with local authorities, maintenance records, etc.)

§ 76.614 CLI Filing Information

Cable television operators transmit-ting carriers in the frequency bands 108–137 and 225–400 MHz shall provide for a program of regular monitoring for signal leakage by substantially covering the plant every three months. The incorporation of this monitoring program into the daily activities of existing service personnel in the discharge of their normal duties will generally cover all portions of the system and will therefore meet this requirement. Monitoring equipment and procedures utilized by a cable operator shall be adequate to detect a leakage source which produces a field strength in these bands of 20 mV/m or greater at a distance of 3 meters. During regular monitoring, any leakage source which produces a field strength of 20 mV/m or greater at a distance of 3 meters in the aeronautical radio frequency bands shall be noted and such leakage sources shall be repaired within a reasonable period of time. The operator shall maintain a log showing the date and location of each leakage source identified, the date on which the leakage was repaired, and the probable cause of the leakage. The log shall be kept on file for a period of two (2) years and shall be made available to authorized representatives of the Commission upon request.

[50 FR 29400, July 19, 1985]

Comments

Leakage logs must be kept in the FCC public inspection file. It is suggested that monthly LES 320s, annual flyover 320s, and other related documentation also be filed.

Note that these records must be kept for five (5) years.

§ 76.601 Proof of Performance Filing Information

(c) The operator of each cable television system shall conduct complete performance tests of that system at least twice each calendar year (at intervals not to exceed seven months), unless otherwise noted below, and shall maintain the resulting test data on file at the operator's local business office for at least five (5) years. The test data shall be made available for inspection by the Commission or the local franchiser, upon request. The performance tests shall be directed at determining the extent to which the system complies with all the technical standards set forth in § 76.605(a) and shall be as follows: (refer to rules)

Comments

Note that POP records must be kept for five (5) years.

Test Location Guide and Summary

Headend

- Visual, aural, offset frequency counts on all channels
- Visual and aural carrier levels on all channels
- Hum tests on all channels
- Color tests

Field Test-points

- Visual, aural, offset frequency counts on all channels thru 100' drop; test channels thru converter
- Visual and aural carrier levels on all channels thru 100' drop; test channels thru converter
- Twenty-four hour (6 month) variation tests thru 100' drop (must be done in January and July and represent warmest and coolest time of day)
- In-channel response on test channels thru converter
- Visual Carrier to Noise (C/N) on test channels, thru 100' drop, thru converter
- Coherent Disturbances (CSO, CTB, other) on test channels, thru 100' drop, thru converter
- Hum on tests channels, thru 100' drop, thru converter

Analysis of Test Results

- The person responsible for the tests must analyze and evaluate the test results and formulate an action plan to address any failures immediately

Failure Action Plan

- Repair and re-testing before the filing and reporting deadline is essential
- Repair and re-testing should be given top priority, same as a major outage
- Failures that are impossible to repair before the reporting and filing deadline (end of February or August respectively) require a written action plan to address the problem submitted to the regional engineer

Proof Specifications – Comcast and FCC

	Comcast	FCC
VISUAL CARRIER FREQUENCIES		
NON - AERONAUTICAL	+/- 25 KHZ	+/- 25 KHZ
AERONAUTICAL	+/- 3 KHZ	+/- 5KHZ
VISUAL/AURAL CARRIER SEPERATION (4.5 MHZ)	+/- 1 KHZ	+/- 5 KHZ
MINIMUM VISUAL CARRIER LEVEL	6 dbmv @ 100 ft.	3 dbmv @ 100 ft.
VISUAL TO AURAL CARRIER LEVEL RATIO	10 TO 17 db	10 TO 17 db
ADJACENT VIDEO CARRIER LEVEL RATIO	3 db	3 db
MAXIMUM VIDEO CARRIER LEVEL DIFFERENCE	15 db	10 db / 0-300 MHZ
PEAK-TO-VALLEY		11 db / 301-400 MHZ
(Any db over the required #, Fails)		12 db / 401-500 MHZ
		13 db / 501-600 MHZ
		14 db / 601-700 MHZ
		15 db / 701-800 MHZ
CARRIER-TO-NOISE RATIO	43 db and over (passes)	43 db and over (passes)
(under 43 fails)	or design spec	
HUM MODULATION	2%	3%
(Record Highest % in Test Points)		
IN CHANNEL FREQUENCY VS GAIN	+/- 1 db @ HEADEND	
	+/- 2 OVERALL	+/- 2 db
CTB AND CSO	51 db	51 db
CROSS MODULATION	45 db	40 db
SIGNAL LEAKAGE	<20 uv/m @ 10 feet	<20 uv/m @ 10 feet
C KI	<55	<64

* Audio Frequency Norm– Between 4.495 and 4.505

Channels Required for Testing

Each test point must be tested for aural frequency offset, carrier to noise, CSO, CTB, discrete beats, in-channel response, and hum on the following number of channels based on system bandwidth.

Also test two (digital QAM) channels for digital power and constellation uniformity (this is not required, but highly recommended)

Number of Channels	Up to XX MHz (system analog bandwidth)
5	216
6	300
7	400
8	500
9	600
10	700
11	800
12	900

Note: test channel requirement is based on analog bandwidth, not full bandwidth. This is typically 550 MHz in upgraded systems requiring nine (9) test channels.

Select channels where the programmer provides multi-burst VITS for in-channel response testing, otherwise a VITS generator will be required.

This system utilizes < 550 MHz analog bandwidth; 9 test channels will be used for the tests.

Chapter 3 - Test Equipment List

FCC Part 76.601.1 An identification of the instruments, including the makes, model numbers, and the most recent date of calibration, a description of the procedures utilized, and a statement of the qualifications of the person performing the tests shall also be included.

Manufacturer	Model Number	Most Recent Calibration	Serial Number
HP	8591c	09-04-09	3916A04384
Acterna (Wavtek)	4040D	12-01-09	4240082
JDSU	SDA-5000	12-01-09	0413408
JDSU	SDA-5000	12-01-09	9393142

Notes:

Chapter 4 – Headend, Hubs, Test Point List

Requirements

- Headends up to 12,500 subscribers require six test points
- Headends from 12,501 to 25,000 subscribers require seven test points
- Headends from 25,001 subscribers require eight test points
- Add one test point for each additional 12,500 subscribers
- Microwave links require at least one test point
- Fiber links to remote hubs need to be represented by at least one of the total system test points
- Headend tests are also required at hubs, i.e. frequency counts on all channels, color tests, etc.

Headend Information

Headend Name: Alexandria Headend

Headend Address: 3900 Wheeler Ave.

Headend Phone Number(s): (703) 567-4616 voice, XXX-XXX-XXXX EAS Override.

Headend Coordinates: N 38 deg 48 min 29.25 seconds, W 77 deg 06 min 02.90 sec

Hubs:

FCC Tower Registration Number: N/A

FCC TVRO Registration Number: N/A

FCC Commercial Radio License Number: N/A
EAS System(s): TRILITHIC EASY PLUS

EAS Log Locations: Current activity log at headend. Tape originals in headend technician's files, copies made monthly and placed in public inspection file.

EAS FIPS Codes Serviced By Headend: 05150

EAS Stations Monitored: LP1 (WTOP 103.5), LP2 (WJZW 105.9)

Alerts Processed: Termination, Monthly Test, Weekly Test (log), Tornado Warning, Flood Warning, Severe Thunderstorm Warning, Winter Storm Warning, Blizzard Warning, *Local Government Override Provided

Field Test Point Information

Test Point ID: TP1
Address: 85 S. Bragg St

Headend: Alexandria

Hub:

Pole Number:

Cascade: Node

Laser Number:

Node Number: AX047

Tap Value:

Print Number: H-1

Notes:

Test Point ID: TP#2

Address: Tower Ct. & S. Whiting St.

Headend: Alexandria

Hub:

Pole Number:

Cascade: Node

Laser Number:

Node Number: AX043

Tap Value:

Print Number: H-1

Notes:

Test Point ID: TP #3

Address: 1 N. Donelson St.

Headend: Alexandria

Hub:

Pole Number:

Cascade: Node

Laser Number:

Node Number: AX113

Tap Value:

Print Number: H-5

Notes:

Test Point ID: TP #4

Address: Kenwood St. & Fern St.

Headend: Alexandria

Hub:

Pole Number:

Cascade: Node

Laser Number:

Node Number: AX295

Tap Value:

Print Number: E-6

Notes:

Test Point ID: TP# 5

Address: 1121 Allison St.

Headend: Alexandria

Hub:

Pole Number:

Cascade: Node

Laser Number:

Node Number: AX356

Tap Value:

Print Number: E-7

Notes:

Test Point ID: TP # 6

Address: 901 N. Kemper St.

Headend: Alexandria

Hub:

Pole Number:

Cascade: Node

Laser Number:

Node Number: AX155

Tap Value:

Print Number: G-4

Notes:

Test Point ID: TP # 7

Address: 528 Bellvue Pl.

Headend: Alexandria

Hub:

Pole Number:

Cascade: Node

Laser Number:

Node Number: AX487

Tap Value:

Print Number: G-10

Notes:

Test Point ID: TP # 8

Address: 5109 Gardner Dr.

Headend: Alexandria

Hub:

Pole Number: U/G

Cascade: Node

Laser Number:

Node Number: AX520

Tap Value: 20/8

Print Number: No Print

Notes:

Test Point ID: TP # 9

Address: 418 Bashford Ln.

Headend: Alexandria

Hub:

Pole Number: U/G

Cascade: Node

Laser Number:

Node Number: AX486

Tap Value: 20/8

Print Number: G-10

Notes:

Test Point ID: TP # 10

Address: 5465 Colfax Ave.

Headend: Alexandria

Hub:

Pole Number:

Cascade: Node

Laser Number:

Node Number: AX192

Tap Value:

Print Number: C-3

Notes:

Test Point ID: TP # 11

Address: 2357 N. Early St.

Headend: Alexandria

Hub:

Pole Number:

Cascade: Node

Laser Number:

Node Number: AX290

Tap Value:

Print Number: E-5

Notes:

Test Point ID: TP # 12

Address: Headend

Headend: Alexandria

Hub:

Pole Number:

Cascade:

Laser Number:

Node Number:

Tap Value:

Print Number:

Notes:

Headend/Hub Performance Tests

Score: 100 PASS

Alexandria

1/21/2010

	76.605 (a)(11)(i) < 170 ns	76.605 (a)(11)(ii) < 20%	76.605 (a)(11)(iii) < 10.0 deg.	Frequency Accuracy			Carrier Levels			Hum	ICR	C/N	CSO	CTB
	Chroma/Lumi Delay	Differential Gain	Differential Phase	Video	Audio	Delta	Video	Audio	Delta					
Chan	(ns)	%	degrees	MHz	MHz	MHz	dBmV	dBmV	dBc	%	+/- dB	dBc	dBc	dBc
2	16	3.00	1.5	55.2500	59.7500	4.5000	12.3	-4.1	16.4	0.8	0.70	53.9	78.3	67.5
3				61.2500	65.7500	4.5000	11.3	-3.7	15					
4				67.24	71.7400	4.5000	11.5	-4.5	16					
5				77.26	81.7600	4.5000	11.5	-3.6	15.1					
6				83.25	87.7500	4.5000	11.6	-3.6	15.2					
14				121.26	125.7625	4.5000	11.4	-3.5	14.9					
15				127.26	131.7625	4.5000	11.6	-3.4	15					
16				133.26	137.7625	4.5000	11.3	-5.1	16.4					
17				139.25	143.7500	4.5000	11	-3.1	14.1					
18				145.25	149.7500	4.5000	11.4	-1.6	13	0.8	0.80	53.0	71.9	66.9
19				151.25	155.7500	4.5000	11.2	-3.5	14.7					
20				157.25	161.7500	4.5000	11.3	-3.6	14.9					
7				171.25	175.7500	4.5000	11.2	-1.3	12.5					
8	32	3.70	1.7	175.26	179.7600	4.5000	11.2	-4.1	15.3	0.9	1.10	53.8	72.8	70.9
9				181.25	185.7500	4.5000	11.4	-3.7	15.1					
10				187.25	191.7500	4.5000	11.4	-1.1	12.5					
11				193.25	197.7500	4.5000	11.8	-2.5	14.3	0.7	0.70	52.6	72.7	67.7
12				199.25	203.7500	4.5000	11.2	-3.4	14.6					
13				205.25	209.7500	4.5000	11.3	-3.5	14.8					
23				217.25	221.7500	4.5000	10.8	-3.2	14					
26				235.2500	239.7500	4.5000	11.4	-5.6	17					
27				235.2500	239.7500	4.5000	11.3	-3.4	14.7					
28	12	2.80	0.8	241.2500	245.7500	4.5000	11.7	-3.4	15.1	0.9	0.70	53.0	74.8	66.7
29				247.2500	251.7500	4.5000	11.5	-3.5	15					
30				253.2500	257.7500	4.5000	11.2	-3.7	14.9					
31				259.2500	263.7500	4.5000	11.3	-3.2	14.5					
32	32	2.80	1.2	265.2500	269.7500	4.5000	11.6	-2.9	14.5	0.6	0.60	52.7	73.1	65.3
33				271.2500	275.7500	4.5000	11.1	-3.8	14.9					
34				277.2500	281.7500	4.5000	11.2	-3.8	15					
35				283.2500	287.7500	4.5000	10.9	-4	14.9					
36				289.2500	293.7500	4.5000	11.1	-3.7	14.8					
38				301.2500	305.7500	4.5000	11	-3.6	14.6					
39				307.2500	311.7500	4.5000	10.6	-3.8	14.4					
41				325.26	329.7625	4.5000	11.1	-3.5	14.6					
42				331.26	335.7625	4.5000	11.2	-3.8	15					
43				337.26	341.7625	4.5000	11.4	-3.7	15.1					
44				343.26	347.7625	4.5000	11.2	-4	15.2					
46				355.26	359.7625	4.5000	11.2	-3.3	14.5					
47	19	3.90	1	361.26	365.7625	4.5000	11	-4.5	15.5	0.7	0.80	52.3	67.6	73.7
48				367.26	371.7625	4.5000	11.2	-3.5	14.7					
49				373.26	377.7625	4.5000	11.2	-3.6	14.8					
50				379.26	383.7625	4.5000	11.6	-3.3	14.9					
51				385.26	389.7625	4.5000	11.6	-3.3	14.9					
52				391.26	395.7625	4.5000	11.3	-3.1	14.4					
53				397.26	401.7625	4.5000	11.7	-2.5	14.2					
54				403.25	407.7500	4.5000	11.7	-3.1	14.8					
56	29	2.5	1	415.25	419.7500	4.5000	10.9	-1.2	12.1	0.4	0.90	52.4	71.4	69.5
57				421.25	425.7500	4.5000	11.5	-3.2	14.7					
59				433.25	437.7500	4.5000	10.8	-3.5	14.3					
60				439.25	443.7500	4.5000	11.1	-4.1	15.2					
61				445.25	449.7500	4.5000	10.4	-5.1	15.5					
62				451.25	455.7500	4.5000	10.9	-4.6	15.5					
63				457.25	461.7500	4.5000	10.9	-4	14.9					
64				463.25	467.7500	4.5000	10.8	-3.9	14.7					
65				469.25	473.7500	4.5000	10.8	-4.4	15.2					
67				481.25	485.7500	4.5000	10.9	-3.7	14.6					
69				493.25	497.7500	4.5000	11.2	-5.6	16.8					
70				499.25	503.7500	4.5000	10.9	-5	15.9					
71				505.25	509.7500	4.5000	10.9	-2.9	13.8					
72	21	2.8	1	511.25	515.7500	4.5000	11.9	-4.1	16	0.8	0.5	50.7	70.9	67.8
73				517.25	521.7500	4.5000	10.7	-3.9	14.6					
76				535.25	539.7500	4.5000	10.6	-4.4	15					
77				541.25	545.7500	4.5000	10.8	-4.6	15.4					
dates	8/15/2008	8/15/2008	8/15/2008											

Chapter 5 - Channel Carriage List

Include all DTV/DOCSIS channels/allocations including reverse frequencies (attach DTV list)

Note: "Ae" denotes aeronautical-band channel.

Channel	Channel Class & Grade	Description of Primary Programming Network Affiliate, PEG Local, Weather, Ed Access, etc	Call Sign	Tiering Basic, Pay, etc	Origination City (Local, Satellite, etc)	Off Air Chan
23-27 MHz	**N/A**	**DOCSIS Upstream Data**	**N/A**	**N/A**	**N/A**	**N/A**
2	I	WGN	WGN	BASIC	CRAN	C
3	Ib	WBDC	WBDC	BASIC	CRAN	C
4	Ib	NBC NETWORK AFFILIATE	WRC	BASIC	CRAN	C
5	Ib	FOX NETWORK AFFILIATE	WTTG	BASIC	CRAN	C
6	I	QVC	QVC	BASIC	CRAN	C
74.00Mhz		**CONVERTER DATA**	**N/A**	**N/A**	CRAN	C
A-5/95 Ae		Reserved for In-House Cameras			CRAN	C
A-4/96 Ae	I	Digital QAM	Multiple	TIER	CRAN	C
A-3/97 Ae	I	Digital QAM	Multiple	TIER	CRAN	C

A-2/98 Ae	I	Reserved for in-house cameras	LO	BASIC	CRAN	C
A-1/99 Ae	I	Digital QAM	Multiple	TIER	CRAN	C
A/14 Ae	I	UNIVISION	UNIV	BASIC	CRAN	C
B/15 Ae	I	TELEFUTURA	WMDO	BASIC	CRAN	C
C/16 Ae	I	TELEMUNNDO	WZDC	BASIC	CRAN	C
D/17	I	PAX DC	WPXW	BASIC	CRAN	C
E/18	I	ABC-FAMILY	FAM	BASIC	CRAN	C
F/19	Ia	PBS	WHUT	BASIC	CRAN	C
G/20		WDCA 20	WDCA	BASIC	CRAN	C
H/21		Digital QAM	Multiple	TIER	CRAN	C
I/22	I	Digital QAM	Multiple	TIER	UET	UET
7	Ib	ABC NETWORK AFFILIATE	WJLA	BASIC	CRAN	C
8	Ib	NEWS CHANNEL 8	NEWSCO 8	BASIC	CRAN	C
9	Ib	CBS NETWORK AFFILIATE	WUSA	BASIC	CRAN	C
10	Ib	COMCAST SPORTSNET	CSN	BASIC	CRAN	C
11	Ib	ESPN	ESPN	BASIC	CRAN	C
12	Ib	ESPN2	ESPN2	BASIC	CRAN	C
13	Ib	USA	USA	BASIC	CRAN	C
J/23	I	HSN	HSN	BASIC	CRAN	C
K/24	I	Digital QAM	Multiple	TIER	CRAN	C
L/25 Ae	I	Digital QAM	Multiple	TIER	CRAN	C
M/26 Ae	I	PBS NETWORK AFFILIATE	WETA	BASIC	CRAN	C
N/27 Ae	I	WEATHER CHANNEL	TWC	BASIC	CRAN	C
O/28 Ae	I	HEADLINE NEWS	HN	BASIC	CRAN	C
P/29 Ae	I	CNN	CNN	BASIC	CRAN	C
Q/30 Ae	I	MSNBC	MSNBC	TIER	CRAN	C
R/31 Ae		CNBC	CNBC	TIER	CRAN	C
S/32 Ae	I	FOX NEWS	FNC	TIER	CRAN	C
T/33 Ae	I	FX	FX	TIER	CRAN	C
U/34 Ae	I	SPIKE	SPIKE	BASIC	CRAN	C
V/35 Ae	I	TBS	TBS	TIER	CRAN	C
W/36 Ae	I	TNT	TNT	BASIC	CRAN	C
AA/37 Ae	I	Digital QAM	Multiple	TIER	CRAN	C
BB/38 Ae	I	A&E	A&E	BASIC	CRAN	C
CC/39 Ae	I	BRAVO	BRAVO	BASIC	CRAN	C
DD/40 Ae	I	Digital QAM	Multiple	BASIC	CRAN	C
EE/41 Ae	I	TCM	TCM	BASIC	CRAN	C
FF/42 Ae	I	TV LAND	TVLAND	BASIC	CRAN	C
GG/43 Ae	I	NICKELODEON	NICK	BASIC	CRAN	C
HH/44 Ae	I	DISNEY	DISNEY	BASIC	CRAN	C
II/45 Ae	I	Digital QAM	Multiple	TIER	CRAN	C

JJ/46 Ae	I	ANIMAL PLANET	ANIML	BASIC	CRAN	C
KK/47 Ae	I	TLC	TLC	BASIC	CRAN	C
LL/48 Ae	I	DISCOVERY	DISC	BASIC	CRAN	C
MM/49 Ae	I	DISCOVERY HEALTH	DISCH	BASIC	CRAN	C
NN/50 Ae	I	LIFETIME	LIFE	BASIC	CRAN	C
OO/51 Ae	I	SCI-FI	SCIFI	BASIC	CRAN	C
PP/52 Ae	I	HGTV	HGTV	BASIC	CRAN	C
QQ/53 Ae	I	TV ONE	TVONE	BASIC	CRAN	C
RR/54	I	FOOD NETWORK	FOOD	BASIC	CRAN	C
SS/55	I	Digital QAM	Multiple	BASIC	CRAN	C
TT/56	I	E!	E!	BASIC	CRAN	C
UU/57	I	VH-1	VH1	BASIC	CRAN	C
VV/58	I	Digital QAM	Multiple	BASIC	CRAN	C
WW/59	I	MTV	MTV	BASIC	CRAN	C
XX/60	I	BET	BET	BASIC	CRAN	C
YY/61	I	COMDEY CENTRAL	COMDEY	BASIC	CRAN	C
ZZ/62	I	MASN	MASN	BASIC	CRAN	C
AAA/63	I	SPEED	SPEED	BASIC	CRAN	C
BBB/64	I	OUTDOOR LIFE	OLN	BASIC	CRAN	C
CCC/65	I	GOLF CHANNEL	GOLF	BASIC	CRAN	C
DDD/66	I	Digital QAM	Multiple	TIER	CRAN	C
EEE/67	I	TRAVEL CHANNEL	TRVL	BASIC	CRAN	C
FFF/68	I	Digital QAM	Multiple	BASIC	UET	UET
GGG/69	I	LOCAL ORIGINATION	CCTV	BASIC	FIBER	LO
HHH/70	I	Alexandria Government Channel	GOVT	BASIC	FIBER	LO
71	IV	Alexandria Public Schools	APS	BASIC	FIBER	LO
72	IV	Northern VA Community College	EDUC	BASIC	FIBER	LO
73	IV	George Mason University	GMU	BASIC	FIBER	LO
74	IV	Digital QAM	Multiple	TIER	CRAN	C
75	IV	Digital QAM	Multiple	TIER	UET	UET
76	IV	C-SPAN	CSPAN	BASIC	CRAN	C
77	IV	CSN+/Masn2	CSN+	BASIC	CRAN	C
78	IV	Digital QAM	Multiple	TIER	UET	UET
79	IV	Digital QAM	Multiple	TIER	CRAN	C
80	IV	Digital QAM	Multiple	TIER	CRAN	C
81	IV	Digital QAM	Multiple	TIER	CRAN	C
82	IV	Digital QAM	Multiple	TIER	CRAN	C
83	IV	Digital QAM	Multiple	TIER	CRAN	C
84	IV	Digital QAM	Multiple	TIER	CRAN	C
85	IV	Digital QAM	Multiple	TIER	UET	UET
86	IV	Digital QAM	Multiple	TIER	CRAN	C

87	IV	Digital QAM	Multiple	TIER	CRAN	C
88	IV	Digital QAM	Multiple	TIER	UET	UET
89	IV	Digital QAM	Multiple	TIER	CRAN	C
90	IV	Digital QAM	Multiple	TIER	CRAN	C
91	IV	Digital QAM	Multiple	TIER	CRAN	C
92	IV	DIGITAL QAM	MULTIPLE	TIER	UET	UET
93	IV	DIGITAL QAM	MULTIPLE	TIER	CRAN	C
94	IV	DIGITAL QAM	MULTIPLE	TIER	CRAN	C
100	IV	**DOCSIS Downstream Data**	**N/A**	**N/A**	**N/A**	**N/A**
101	IV	**DOCSIS Downstream Data**	**N/A**	**N/A**	**N/A**	**N/A**
102	IV	**DOCSIS Downstream Data**	**N/A**	**N/A**	**N/A**	**N/A**
103	IV	**DOCSIS Downstream Data**	**N/A**	**N/A**	**N/A**	**N/A**
104	IV	DIGITAL QAM	MULTIPLE	TIER	UET	UET
105	IV	DIGITAL QAM	MULTIPLE	TIER	CRAN	C
106	IV	DIGITAL QAM	MULTIPLE	TIER	CRAN	C
107	IV	DIGITAL QAM	MULTIPLE	TIER	CRAN	C
108	IV	DIGITAL QAM	MULTIPLE	TIER	CRAN	C
109	IV	DIGITAL QAM	MULTIPLE	TIER	CRAN	C
110	IV	DIGITAL QAM	MULTIPLE	TIER	CRAN	C
111	IV	DIGITAL QAM	MULTIPLE	TIER	CRAN	C
112	IV	DIGITAL QAM	MULTIPLE	TIER	CRAN	C
113	IV	DIGITAL QAM	MULTIPLE	TIER	CRAN	C
114	IV	DIGITAL QAM	MULTIPLE	TIER	UET	UET
115	IV	DIGITAL QAM	MULTIPLE	TIER	UET	UET
116	IV	DIGITAL QAM	MULTIPLE	TIER	CRAN	C
117	IV	DIGITAL QAM	MULTIPLE	TIER	UET	UET
118	IV	DIGITAL QAM	MULTIPLE	TIER	UET	UET

Chapter 6 - Description of Test Procedures

FCC Part 76.601.1 An identification of the instruments, including the makes, model numbers, and the most recent date of calibration, a description of the procedures utilized, and a statement of the qualifications of the person performing the tests shall also be included.

Note: Subscriber terminal is interpreted as the output of the set-top converter (all tests)

Carrier to Noise

FCC Requirement

76.605 a 7

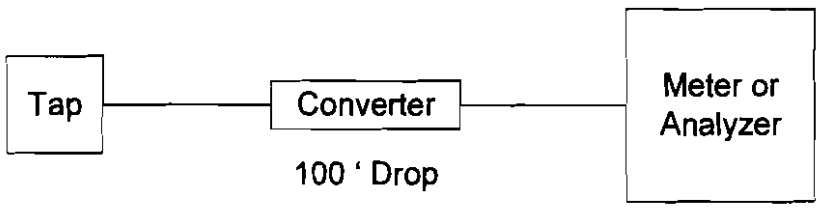
Carrier to Noise Ratio

"The ratio of RF visual signal level to system noise shall be as follows:

As of June 30, 1995, shall not be less than 43 decibels."

Area Specifics

- The signal level input must be high enough to insure the test equipment internal noise is not hindering carrier to noise readings.
- When using a signal level meter, the typical input level is 20 dBmv, or as stated in the operator's manual.



System Specific Notes:

Coherent Disturbances

Composite Triple Beat, Composite Second Order Beat, Discrete Beat Measurement

FCC Requirement

76.605 a 8 i, ii

Coherent Disturbances

"The ratio of visual signal level to the rms amplitude of any coherent disturbances such as intermodulation products, second and third order distortions or discrete-frequency interfering signals not operating on proper offset assignments shall be as follows:

The ratio of visual signal levels to coherent disturbances shall not be less than 51 decibels for noncoherent channel cable television systems, when measured with modulated carriers and time averaged; and

the ratio of visual signal level to coherent disturbances which are frequency-coincident with the visual carrier shall not be less than 47 decibels for coherent channel cable systems, when measured with modulated carriers and time averaged."

Area Specifics

The important thing to keep in mind about Coherent Disturbance tests is that it includes more than CSO and CTB. Automated CSO/CTB measurements are fine for some things but should not be used for proofs. The reason is that automated routines perform measurements only at the common CSO/CTB frequencies (that's at the visual carrier, +/- 750 kHz, and +/- 1.25 MHz for the standard channel plan in the US).

Because a narrow resolution bandwidth filter and heavy video filtering is used for the test, it is necessarily slow. If you use automated techniques, you can have the channel out of service for longer than necessary and get the wrong numbers!

Carriers leaking out of the haadend or ingress are common examples of coherent disturbances that would not be measured using automatic CSO and CTB procedures. For example, the local oscillator in the modulator or processor seven channels down from the channel under test might get into the system. This causes a color beat in the picture of the channel under test. It would not be measured using automated methods.

Fortunately, CD tests can be run properly, accurately, and quickly using semi-automated or manual methods.

Performing coherent disturbance tests properly, accurately, and quickly.

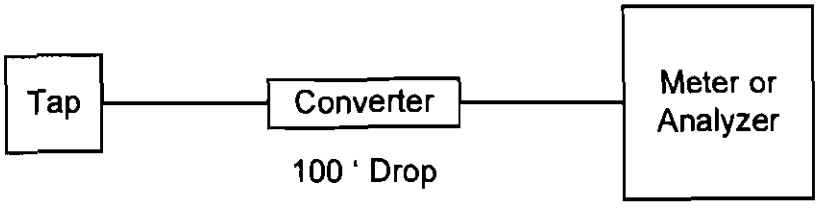
Don't use automated methods that only measure CSO and CTB. The key is to use manual or semi-automated methods that allow the operator to select the disturbance(s), if any, to be measured. This allows a check across the entire channel and measurement of only the largest disturbance(s). If no disturbances are visible, the channel can be returned to service immediately.

For one popular analyzer, this is the difference between having the channel out of service for more than 90 seconds (and still not doing a thorough test), and having it off for 10 seconds and doing the test properly! When disturbances are found, the largest one can be measured first, and assuming it meets the requirements, the channel can be returned to service in less than 30 seconds.

If you run coherent disturbance tests at the tap instead of at the output of a converter (get your "good engineering practices" statement ready), consider alternatives to using tunable preselector filters. It's very easy to make mistakes with tunable filters, especially when looking for signals across the entire channel bandwidth. Remember, the reason for the filter is to minimize intermodulation distortion (such as CSO and CTB) produced in the spectrum analyzer. With many of the newer analyzers, you don't need the filter if you keep the analyzer's input level in the 5 dBmV to 10 dBmV range. Alternatively, use a fixed tuned filter that is several channels wide. For example, a 100 MHz wide filter effectively reduces the number of channels to 16, dramatically reducing the likelihood of significant beats being generated in the analyzer.

- The input to the spectrum analyzer must be sufficient to overcome the noise of the test equipment (typically 20 dBmv or manufacturer's recommendation)

- The input to the spectrum analyzer must be sufficiently band-passed to prevent overloading in the spectrum analyzer.
- If a set top converter is used for band-passing, it must not have automatic gain control or frequency circuits. Base band converters cannot be used to measure composite beats.



System Specific Notes:

Hum

Low Frequency Distortion Measurements

FCC Requirement

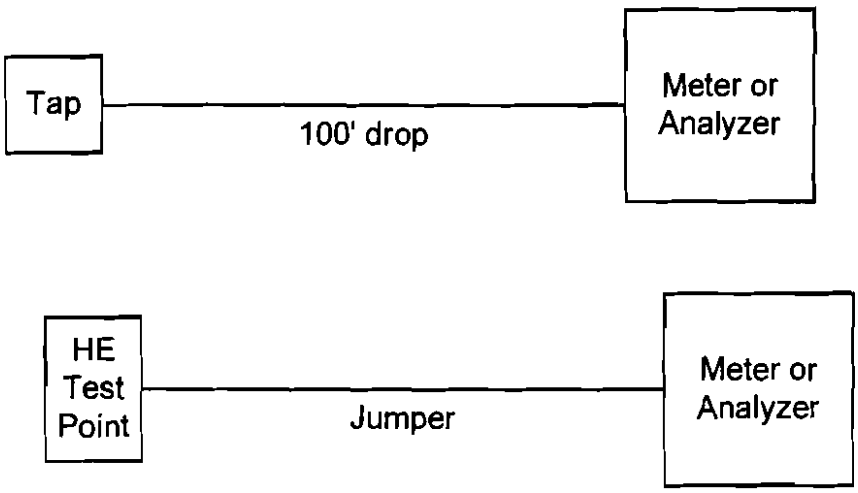
76.605 a 10

Hum

"The peak to peak variation in visual signal level caused by undesired low frequency disturbances (hum or repetitive transients) generated within the system, or by inadequate low frequency response, shall not exceed 3 percent of the visual signal level. Measurements made on a single unmodulated carrier may be used to demonstrate compliance with this parameter at each test location."

Area Specifics

- Insure that there is sufficient level to meet the test equipment requirement for an accurate measurement.
- Always measure low-frequency distortions to 1 kHz. Just sixty and one-twenty cycles will not cover switching power supplies.
- Measure all channels at headend



System Specific Notes:

In-channel Frequency Response (amplitude characteristics)

FCC Requirement

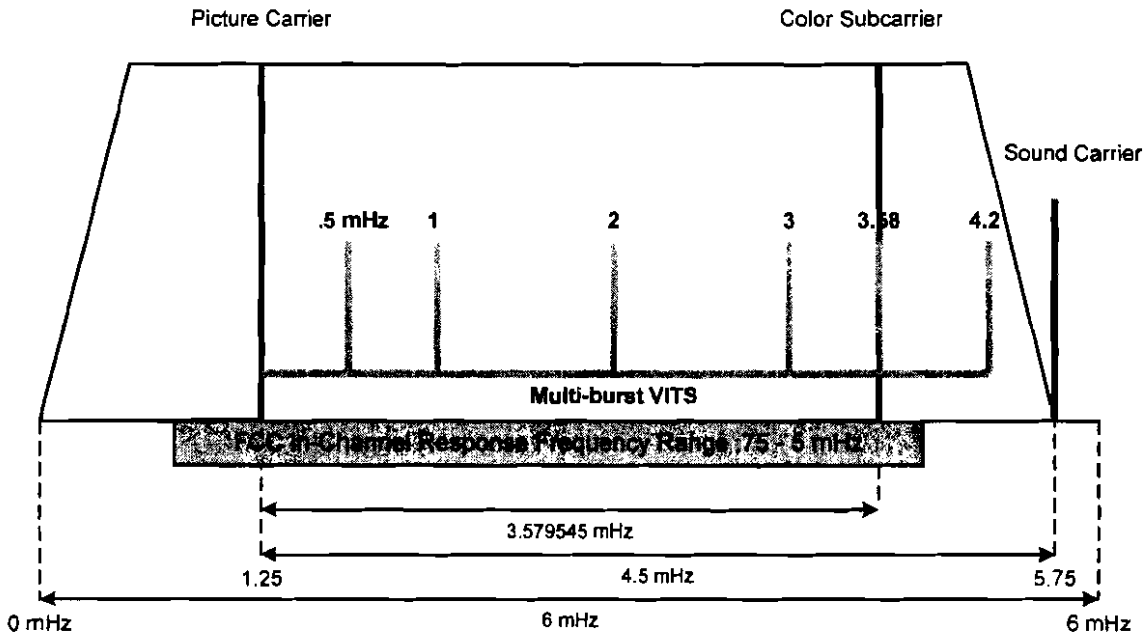
76.605 a 6

Amplitude Characteristics (In-Channel Response)

"The amplitude characteristic shall be within a range of ±2 decibels from 0.75 MHz to 5.0 MHz above the lower boundary frequency of the cable television channel, referenced to the average of the highest and lowest amplitudes within these frequency boundaries.

Prior to December 30, 1999, the amplitude characteristic may be measured after a subscriber tap and before a converter that is provided and maintained by the cable operator.

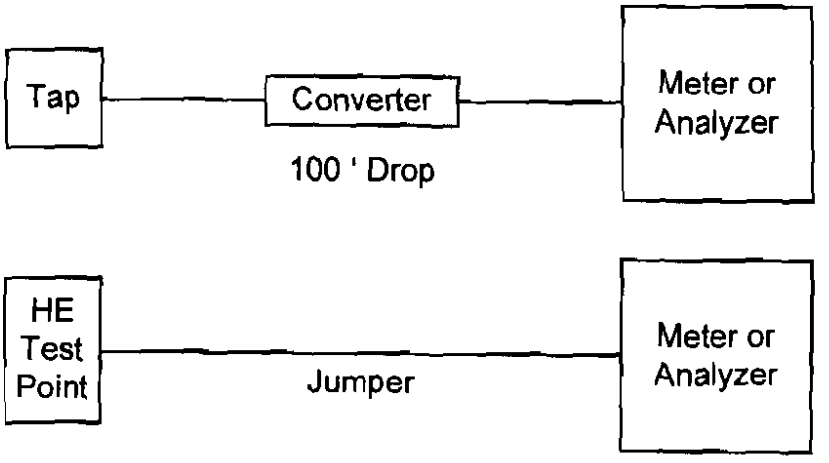
As of December 30, 1999, the amplitude characteristic shall be measured at the subscriber terminal."



The 6th multiburst packet falls outside the FCC testing range for CATV

Area Specifics

- Required at headend and test-points
- Measure test channels
- Measure thru converter
- Insert VITS at headend for modulated channels
- Use programmer's multi-burst if available
- Broadcaster multi-burst is typically found at: field 2, line 19
- Disregard 6th multi-burst packet on manual measurements



Note: May require VITS insertion at headend if no broadcaster multi-burst available

System Specific Notes:

Frequency Measurement

FCC Requirement

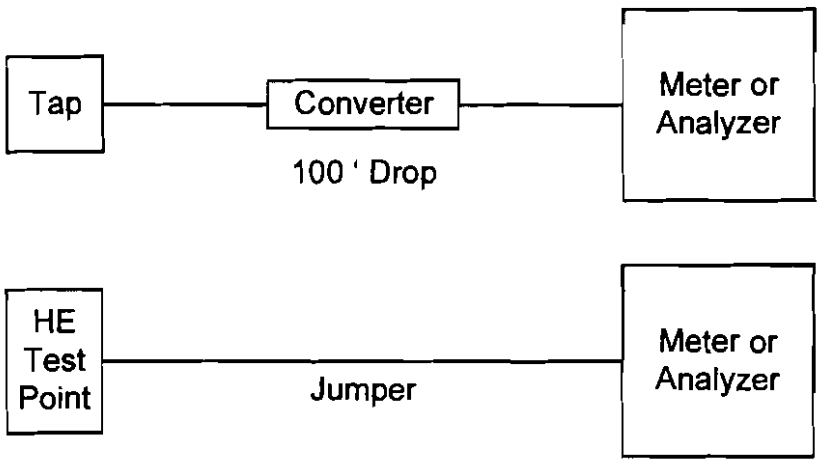
76.605 a 2

Aural Offset Frequency:

"The aural center frequency of the aural carrier must be 4.5 MHz ± 5 kHz above the frequency of the visual carrier at the (headend), and at the subscriber terminal."

Area Specifics

- Count visual and aural carriers (documentation should have visual carrier frequency, aural carrier frequency, and ~ 4.5 MHz offset)
- Test and document all channels at headend
- Test and document all channels at end of 100' drop (all test-points)
- Test and document only the test channels thru converter (all test-points)
- Connect calibrated frequency counter
- Refer to manufacturer's instructions



The rules say that this should be measured in the headend and at the subscriber terminal.

The frequencies at the tap and at the output of the set-top converter — depending on the type of converter being used — may be different. So, is it necessary to measure the aural offset frequencies on all channels? The answer is no! The rules also say that the aural offset frequency is one of the tests that are only required on the test channels.

As a practical matter, we run this test by measuring the frequencies of all channels in the headend, then, in the field, we measure all channels off the tap — and only the test channels at the output of a set-top converter. For most systems, frequencies measured at the tap will be no different than those in the headend.

The aural offset frequencies measured at the output of a set-top converter will also be the same as those in the headend — except when a baseband type of converter is used. For a baseband converter, the aural offset frequency is essentially constant. In the field, there's no need to go beyond the minimum required tests.

System Specific Notes:

Carrier Level Measurements

FCC Requirement

76.605

(3) The visual signal level, across a terminating impedance which correctly matches the internal impedance of the cable system as viewed from the subscriber terminal, shall not be less than 1 millivolt across an internal impedance of 75 ohms (0 dBmV). Additionally, as measured at the end of a 30 meter (100 foot) cable drop that is connected to the subscriber tap, it shall not be less than 1.41 millivolts across an internal impedance of 75 ohms (+3 dBmV). (At other impedance values, the minimum visual signal level, as viewed from the subscriber terminal, shall be the square root of 0.0133 (Z) millivolts and, as measured at the end of a 30 meter (100 foot) cable drop that is connected to the subscriber tap, shall be 2 times the square root of 0.00662(Z) millivolts, where Z is the appropriate impedance value.)

(4) The visual signal level on each channel, as measured at the end of a 30 meter cable drop that is connected to the subscriber tap, shall not vary more than 8 decibels within any six-month interval, which must include four tests performed in six-hour increments during a 24-hour period in July or August and during a 24-hour period in January or February, and shall be maintained within:

(i) 3 decibels (dB) of the visual signal level of any visual carrier within a 6 MHz nominal frequency separation;

(ii) 10 dB of the visual signal level on any other channel on a cable television system of up to 300 MHz of cable distribution system upper frequency limit, with a 1 dB increase for each additional 100 MHz of cable distribution system upper frequency limit (*e.g.*, 11 dB for a system at 301-400 MHz; 12 dB for a system at 401-500 MHz, *etc.*); and

(iii) A maximum level such that signal degradation due to overload in the subscriber's receiver or terminal does not occur.

(5) The rms voltage of the aural signal shall be maintained between 10 and 17 decibels below the associated visual signal level. This requirement must be met both at the subscriber terminal and at the output of the modulating and processing equipment (generally the headend). For subscriber terminals that use equipment which modulate and remodulate the signal (e.g., baseband converters), the rms voltage of the aural signal shall be maintained between 6.5 and 17 decibels below the associated visual signal level at the subscriber terminal.

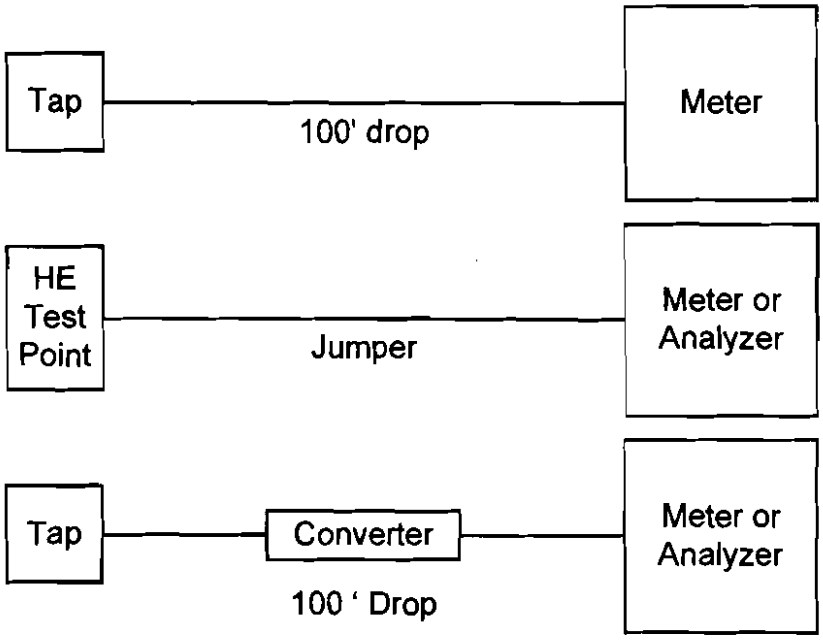
Area Specifics

- All channels at headend, video and aural (FCC only requires aural at headend)
- All channels, video and aural, tested end of 100' drop
- All channels, video and aural, tested thru converter, unless samples are provided proving levels do not change thru converter, if so just test channels (see below)
- Minimum 0 dBmv at subscriber terminal
- Minimum 3 dBmv at end of 100' drop
- Maximum where customer equipment is not overloaded
- Aural signal between 10 and 17 dB below video at headend and tap, between 6.5 and 17 dB thru converter
- Twenty-four hour tests satisfy this requirement for the tap, but not the converter (subscriber terminal)
- Converter tests should be done when twenty-four hour tests are done

According to the rules, this should be measured on all channels at the subscriber terminal. For most systems, this means at the tap and at the output of the converter. With the automated test capabilities available today, tests at the tap are a

simple matter of running a carrier survey. Tests at the output of the converter are not so simple because the test must be paused long enough to change channels on the converter.

Here's the way we approach this test. We measure all levels at the tap. If the converter being used is a baseband converter (demod, remod type), the levels at the output of the converter don't change. So, rather than test all channels at the converter's output, we only check the test channels and put a note in the report indicating that the level doesn't change at the output of the converter as demonstrated by the samples. For other converters, we go ahead and run the tests on all channels. We have a simple program to perform the tests using our signal level meter and a notebook computer.



System Specific Notes:

Twenty-Four Hour Carrier Level Measurements

FCC Information

76.605 a 4 i,ii,iii

24 Hour Tests

"The visual signal level on each channel, as measured at the end of a 30 meter cable drop that is connected to the subscriber tap, shall not vary more than 8 decibels within any six-month interval, which must include four tests performed in six-hour increments during a 24-hour period in July or August and during a 24-hour period in January or February, and shall be maintained within:

3 dB of the visual signal level of any visual carrier within a 6 MHz nominal frequency separation:

10 dB of the visual signal level on any other channel on a cable television system up to 300 MHz of cable distribution system upper frequency limit, with a 1 dB increase for for each additional 100 MHz of cable distribution system upper frequency limit (e.g., 11 dB for a system at 301-400MHz); 12 dB for a system at 401-500 MHz etc.); and

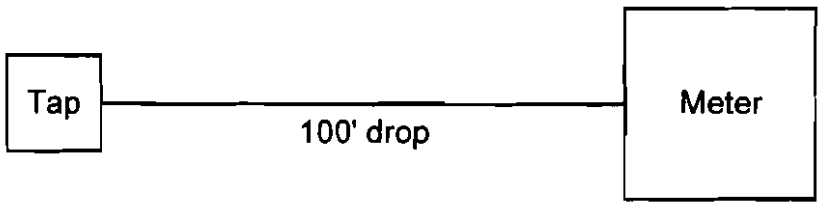
A maximum level such that signal degradation due to overload in the subscriber's receiver or terminal does not occur."

Area Specifics

- All measurements are made at the end of a 30 meter (100') drop, no converter required
- Automated tests are permitted
- Test times must represent the warmest and coolest part of the day
- Time and temperature must be logged
- Minimum signal level of any visual carrier must be 3 dBmv or better
- Maximum adjacent channel level difference with 6 MHz must be 3 dB or less
- Maximum channel level difference must be 10 dB for 300 MHz, 11 dB for 400 MHz, etc.
- Maximum signal level change over 24 hours must not exceed 8 dB
- Maximum signal level change over 6 month period must not exceed 8 dB

Methodology

Sample signal as outlined above either with automated testing, or manually.



Chapter 7 - Manufacturer's Tap Specifications or Tap Port Isolation Tests

*Refer to manufacturer's specifications.

Insert copies of tap specification sheets into this section of document. Required for ALL taps used in system. Insert converter specification sheets into this section of the document.

Chapter 8 – Headend/Hub Tests Results

Insert documentation on headend and hub testing in this section, including frequency measurements, most recent color tests, carrier level measurements, hum measurements, in-channel response measurements, and any other additional testing. Auto-tests are typically done with the headend as an additional test point for carrier levels; insert FamilyWare headend test point documentation here.

Note: only use auto-test mode for carrier levels. Use manual measurements for hum, carrier to noise, etc.

Most Recent Color Test

Edit table as necessary or insert completed forms from field into this section

	76.606 (a)(11) < 170 ns Chroma/Lumi Delay		76.606 (a)(12) < 20% Differential Gain		76.606 (a)(13) < 10.0 deg. Differential Phase	
Chan.	(ns)	FLAG	%	FLAG	degrees	FLAG
2	16		2		1	
95	25		1		1	
21	13		1		1	
8	32		3		1	
28	12		2.8		8	
32	32		2.8		12	
47	19		3.9		1	
56	29		2.5		1	
72	21		2.8		1	

Add to table as necessary for all channels

Chapter 9 - Test Point Tests Results

Insert POP reports, field sheets etc. in this section. Insert test points in order.

Testpoint: (TP01) 85 S. Bragg St. Cascade: Node Node #: AX047 Tap Value:
Testdate: 2/19/10 Pole #: Print #: H-1 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score	100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data				
temp	51	42	37	35											
time	12:00	18:00	0:00	6:00	Video	Video	Video	Video	2.1	2.6	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	17.4	17.4	17.8	17.4	19.5	19.5	19.5	19.7	0.4	2.3	16.2	4.5001	0.9	0.4	49.9	75.8
3	17.2	17	16.7	16.8	18.5	18.5	18.6	18.7	0.5	2	15.8					
4	16.5	16.5	16.9	16.5	18.8	19	18.9	18.9	0.4	2.5	15.7					
5	17.1	16.9	17.1	17.4	18.7	18.7	18.6	18.7	0.5	1.8	15.2					
6	16.5	16.8	17.1	16.9	18.7	18.7	18.5	18.7	0.6	2.2	14.9					
95																
14	17.6	17.9	17.7	17.7	19	19.1	19	19.1	0.3	1.5	12.3					
15	17.7	17.9	18	17.8	19.1	19.3	19.2	19.2	0.3	1.6	16.2					
16	18.2	18.1	18	18	19.3	19.3	19.2	19.3	0.2	1.3	16.8					
17	18.3	18.2	18.4	18.4	19.7	19.7	19.7	19.6	0.2	1.5	12.5					
	19	19.1	19.1	19.3	20.4	20.4	20.4	20.4	0.3	1.4	14	4.5000	0.8	0.7	50.9	70.7
19					19.6	19.4	19.6	19.5		0.2						
20	19.7	19.7	18.8	18.5	20.1	20	19.9	20	1.2	1.6	14.5					
21																
22																
7	19	19.3	19.3	18.7	20.5	20.6	20.5	20.4	0.6	1.9	15					
8	18.7	18.8	18.9	18.7	21	21	20.8	21	0.2	2.3	14.7	4.5001	0.8	2	51	70.8
9	18.9	19.4	19.4	19.1	20.8	20.8	20.9	20.8	0.5	2	16.9					
10	19.5	19.7	19.8	19.6	20.8	20.8	20.9	20.7	0.3	1.4	14.2					
11	18.7	19.2	19.5	19.1	21.3	21.3	21.3	21.2	0.8	2.6	12.8	4.5001	0.7	1	52	72
12	19.1	19.5	19.5	19.5	20.6	20.7	20.8	20.8	0.4	1.7	14.5					
13	19.7	20.1	20	20	21.6	21.3	21.5	21.3	0.4	1.9	14.6					
23	19.6	19.8	21	19.5	21.1	21	21	21.1	1.5	1.6	14.4					
26	20	20.5	21.9	20.3	21.8	21.8	21.9	21.8	1.9	1.9	16.8					
27	19.6	19.9	21.6	20	21.6	21.6	21.6	21.5	2	2	14.1					
28	20.5	20.7	22.6	20.9	22.5	22.5	22.5	22.6	2.1	2.1	14.9	4.4999	0.7	1.5	51.9	68.5
29	20.3	20.8	22.2	20.7	22.1	22.2	22.2	22.1	1.9	1.9	14.8					
30	21.1	21.1	22	21.2	22	22	22	22.1	0.9	1	14.4					
31	20.7	21.1	22.4	21	22.2	22.3	22.4	22.4			14.3					
32	21.6	21.9	22.8	21.8	22.7	22.8	22.8	22.9	1.2	1.3	14.5	4.5000	0.8	0.8	51.4	69.9
33	21.2	21.5	22.5	21.5	22.5	22.6	22.5	22.6	1.3	1.4	14.8					
34	21.4	21.8	22.5	21.5	22.6	22.5	22.5	22.6	1.1	1.2	14.4					
35	21.3	21.4	22.6	21.4	22.6	22.8	22.6	22.8	1.3	1.5	14.7					
36	21	21.2	22.4	21.6	22.6	22.5	22.4	22.7	1.4	1.7	14.2					
37																
38	22.1	22.2	23	22.3	22.9	23	23	23	0.9	0.9	14.6					
39	21.2	21.7	22.7	21.6	22.5	22.6	22.7	22.6	1.5	1.5	13.9					
41	22.7	23.1	23.5	23	23.4	23.5	23.5	23.5	0.8	0.8	15.1					
42	21.7	22.1	23.1	22	23.2	22.9	23.1	23.2	1.4	1.5	14.4					
43	21.9	22.1	23.7	22	23.8	23.8	23.7	23.7	1.8	1.9	14.7					
44	22.5	23	23.7	23	23.8	23.9	23.7	23.8	1.2	1.4	15.1					
45																
46	22	22.8	24.1	22.8	24	24	24.1	23.9	2.1	2.1	14.3					
47	23.8	24.1	23.4	24.1	23.5	23.5	23.4	23.6	0.7	0.7	14.9	4.5000	0.7	0.7	53	71.8
48	23	23.3	24.2	23.5	24.1	24.4	24.3	24.2	1.3	1.4	14.5					
49	22.5	23.1	24.1	23.2	24.2	24	24.1	24	1.6	1.7	14.5					
50	23.4	23.7	24.4	24	24.2	24.6	24.4	24.3	1	1.1	14.2					
51	23.8	24.3	24.9	24.2	24.8	24.9	24.9	24.8	1.1	1.1	14.9					
52	23.6	23.5	24.5	23.8	24.5	24.6	24.5	24.5	1	1.1	14.2					
53	23.5	23.9	24.9	23.8	24.9	24.9	24.9	25	1.4	1.5	13.8					
54	24.2	24.6	25.2	24.2	25.3	25.3	25.2	25.2	1	1.1	14.7					
56	24.1	24.6	24.9	24.9	24.9	24.8	24.9	24.8	0.8	0.8	12	4.5000	0.7	1.1	53.1	72.8
57	24.1	24.2	25.1	24.3	25.1	25.2	25.1	25.2	1	1.1	14.3					
59	23.9	24.4	24.9	24.5	24.9	24.8	24.9	24.9	1	1	14.4					
60	24.4	24.5	24.8	24.5	24.8	25	24.8	24.7	0.4	0.6	14.6					
61	24.4	25	24.7	24.9	24.6	24.7	24.7	24.7	0.6	0.6	15.4					
62	24.3	24.5	25.1	24.8	25.1	25.1	25.1	25	0.8	0.8	15					
63	24.8	25.1	25	25.1	25.1	25	25	25	0.3	0.3	14.7					
64	24.9	25	25.2	25	25.3	25.3	25.2	25.3	0.3	0.4	14.7					
65	25.1	25.2	25.2	25.1	25.1	25.2	25.2	25.1	0.1	0.1	14.8					
67	24.7	25	25.2	24.9	25.4	25.3	25.2	25.1	0.5	0.7	14.7					
69	24.8	25.3	25.6	25.1	25.7	25.6	25.6	25.6	0.8	0.9	16.3					
70	25.6	26	25.2	26.1	26.2	25.3	25.2	25.1	0.9	1	15.2					
71	24.5	24.9	25.8	25	25.3	25.3	25.8	25.3	1.3	1.3	13.6					
72	24.4	24.9	26.1	24.9	26.1	26.2	26.1	26.2	1.7	1.8	15.9	4.5000	1.3	0.9	51.1	69.5
73	24.6	25	25.3	25.2	25.2	25.1	25.3	25.2	0.7	0.7	14.3					
76	25	25.3	24.8	25.3	25	25	24.8	24.9	0.5	0.5	14.6					
77	24.5	24.8	25.3	24.7	25.3	25.3	25.3	25.2	0.8	0.8	15					
	9.1	9.5	9.4	9.6	All Channel Peak to Valley											
	3 dB Adjacent Channel				Pass											

Testpoint: (TP02) Tower Ct. & S. Whitting St. Cascade: Node Node #: AX043 Tap Value:
Testdate: 2/19/10 Pole #: Print #: H-1 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data					
temp	71	48	39	88												
time	11:23	17:23	23:23	5:23	Video	Video	Video	Video	0.7	6.4	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
	13.4	13.4	13.3	13.3	16.4	18.4	18.7	18	0.1	5.4	16.5	4.5000	0.9	0.4	49	76
3	13.7	13.7	13.6	13.7	15.8	17.8	17.9	17.7	0.1	4.3	15.5					
4	13.8	13.4	13.8	13.6	16.8	18.5	18.7	18.6	0.4	5.3	15.9					
5	13.8	13.9	13.5	13.4	16.5	18.3	18.6	18.4	0.5	5.2	14.7					
6	14.4	14.1	14.5	14.4	17.3	18.6	19.3	18.9	0.4	5.2	15.1					
95																
14	15.6	15.1	15.4	15.4	18.3	19.4	19.7	19.8	0.5	4.7	12.7					
15	15.9	15.6	16	16	18.6	19.5	20	20.4	0.4	4.8	15.4					
16	15.9	15.5	15.9	15.6	18.7	19.8	20.1	20.4	0.4	4.9	14.9					
17	16.2	16.1	16.5	16.5	19.4	20.3	20.4	20.7	0.4	4.6	12.8					
[illegible]	16.9	16.7	17.1	17	19.5	20.5	20.9	21.1	0.4	4.4	14.7	4.5000	0.7	0.7	50.4	69.6
19					18.9	20.1	20.4	20.7		1.8						
20	16.5	16	16.5	16.6	20.1	21	20.9	21.5	0.6	5.5	15.5					
21																
22																
7	16.7	16.3	16.7	16.5	20.5	21.3	21.3	21.7	0.4	5.4	15					
[illegible]	16.5	15.8	16.5	16.4	21	21.7	21.8	22.2	0.7	6.4	15.3	4.5001	0.8	2	50.9	72.7
9	16.3	15.8	16.4	16.4	20.2	21.1	21	21.6	0.6	5.8	16.9					
10	16.6	16.1	16.3	16.3	20.6	21.7	21.7	21.7	0.5	5.6	14.6					
11	16.8	16.2	16.6	16.6	21.3	22.1	22.2	22.4	0.6	6.2	13.7	4.5000	0.7	1.4	49.8	69.8
12	16.7	16.2	16.5	16.4	21.1	22	22.1	22.3	0.5	6.1	14.6					
13	16.9	16.5	16.6	16.5	21.4	22.4	22.4	22.6	0.4	6	15.3					
23	17	16.4	16.7	16.7	20.7	22.1	22.2	22.4	0.6	6	14.4					
26	17.5	17.1	17.3	17.2	22	23	23	23	0.4	5.9	17					
27	17.3	17	17.2	17	22	22.8	22.9	23.1	0.3	6.1	14.6					
28	17.9	17.5	17.7	18	22.8	23.7	23.8	23.8	0.5	6.3	15.4	4.4999	0.7	1.1	50.1	67.5
29	17.9	17.5	18	17.8	22.4	23.6	23.4	23.7	0.5	6.2	15					
30	18.6	18.2	18.4	18.3	22.3	23.3	23.3	23.2	0.4	5.1	14.5					
31	18.1	18	17.9	17.8	22.8	23.7	23.6	23.6	0.3	5.9	14.9					
32	18.9	18.4	18.6	18.5	23.1	24.1	24.1	24.4	0.5	6	14.6	4.5000	0.7	1	50.6	67.5
33	18.7	18.4	18.7	18.6	23	23.7	23.9	24	0.3	5.6	14.9					
34	18.8	18.5	18.5	18.7	23	23.8	23.8	23.9	0.3	5.4	14.9					
35	18.7	18.2	18.4	18.4	22.7	23.9	23.8	24	0.5	5.8	15					
36	18.9	18.6	18.9	19	23.2	23.9	23.6	24.3	0.4	5.7	15.3					
37																
38	19.4	19.1	19.5	19.3	23.6	24.7	24.5	24.7	0.4	5.6	15.5					
39	18.9	18.5	18.8	18.8	23	24	24	24.1	0.4	5.6	14.4					
41	20.1	19.8	20.1	19.9	23.9	24.9	24.9	25.2	0.3	5.4	14.9					
42	20	19.6	19.9	19.7	24	24.8	24.7	24.9	0.4	5.3	15.3					
43	19.9	19.6	19.7	19.7	24.2	25	24.9	25.3	0.3	5.7	15.4					
44	20.1	19.7	20.1	19.8	24.2	24.9	24.9	25.2	0.4	5.5	14.8					
45																
46	20.4	20.1	20.5	20.2	24.9	25.6	25.5	25.8	0.4	5.7	15.1					
47	20.8	20.8	21.2	21.2	23.9	24.6	24.6	24.7	0.4	3.9	15.8	4.5000	0.7	1.3	50.1	68.4
48	20.3	20.4	20.8	20.3	24.4	25.1	25.1	25.6	0.5	5.3	14.4					
49	20.9	20.9	21.1	21.1	24.8	25.3	25.5	26	0.2	5.1	15.4					
50	21	20.7	21.2	20.9	25	25.4	25.8	25.8	0.5	5.1	14.3					
51	20.5	20.4	20.9	20.9	25.1	25.8	25.9	26.1	0.5	5.7	15.4					
52	21.2	20.9	21.4	21.1	25	25.5	25.9	26	0.5	5.1	14.3					
53	21.1	21	21.3	21.4	25.8	26.4	26.3	26.7	0.4	5.7	14.7					
54	21.2	21.5	21.5	21.4	25.9	26.4	26.4	26.6	0.3	5.4	15.3					
56	22.4	22.2	22.4	22.6	25.5	26.1	26.1	26.4	0.4	4.2	13.2	4.5000	0.6	1.4	50.8	68.2
57	21.6	21.6	21.8	21.7	26.1	26.8	26.7	26.9	0.2	5.3	14.6					
59	22.1	22	22.3	22.3	25.8	26.5	26.5	26.6	0.3	4.6	14.5					
60	22.7	22.8	22.9	22.9	26.4	26.9	27	27.1	0.2	4.4	15.5					
61	23	23.1	23.2	23.1	26.1	26.6	26.6	26.7	0.2	3.7	16.4					
62	22.6	22.7	22.8	22.9	26.5	26.8	26.8	27.2	0.3	4.6	15.2					
63	23.2	23.5	23.6	23.6	26.8	27.3	27.4	27.5	0.4	4.3	15					
64	23.4	23.6	23.8	23.8	26.9	27.5	27.6	27.9	0.4	4.5	14.9					
65	23.8	24	24.2	24.1	27.2	27.7	27.8	28	0.4	4.2	15.6					
67	24.6	24.5	24.7	24.6	27.8	28.1	28.5	28.7	0.2	4.2	14.9					
69	24.4	24.5	24.5	24.5	28.3	28.7	28.9	29.1	0.1	4.7	16.5					
70	25.2	24.6	25.5	25.4	27.7	28.1	28.3	28.4	0.7	3.6	16.3					
71	24.8	24.6	24.9	25	28.3	28.7	28.9	29	0.4	4.4	13.9					
[illegible]	25	24.9	25.3	25.1	29.5	29.9	30	30.3	0.4	5.4	15.8	4.5000	1.4	1	51	67.6
73	24.9	25.1	25.1	25.2	28.4	28.6	28.9	29.1	0.3	4.2	14.7					
76	25.5	25.6	26	25.9	28.5	28.9	28.8	29	0.4	3.4	15.5					
77	25.1	25	25.5	25.3	28.9	29.2	29.2	29.4	0.5	4.4	15.9					
	12.2	12.2	12.7	12.6	All Channel Peak to Valley											
	3 dB Adjacent Channel			Pass												

Testpoint: (TP03) 1 N. Donelson St. Cascade: Node Node #: AX113 Tap Value:
Testdate: 2/17/10 Pole #: Print #: H-5 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance											Aural Data		Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.						
temp	41	39	35	37												
time	10:30	16:30	22:30	4:30	Video	Video	Video	Video	1.7	5.7	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	13.3	13.1	13.1	13.3	9.9	9.7	9.6	9.7	0.2	3.7	16.4	4.5001	1	0.9	43	71.4
3	12.8	12.9	12.7	12.8	8.9	8.5	8.5	8.4	0.3	4.5	15					
4	12.8	12.6	12.7	12.8	9.2	9	8.9	9.1	0.2	3.9	16.1					
5	12.5	12.4	12.5	12.6	9.1	8.7	8.9	9	0.2	3.9	15					
6	13	13	12.8	13	10	9.8	9.6	9.9	0.2	3.4	15.4					
95																
14	12.3	12.4	12.8	12.7	9.5	9.5	9.4	9.3	0.5	3.5	12.8					
15	12.4	12.9	13.1	12.9	9.9	9.7	10	9.7	0.7	3.4	15					
16	12.5	12.7	12.8	12.8	9.9	9.9	9.9	9.9	0.3	2.9	14.9					
17	12.4	12.7	13.1	12.9	10.3	9.9	10.1	9.7	0.7	3.4	12.6					
18	12.8	13.4	13.7	13.5	10.8	10.6	10.5	10.5	0.9	3.2	14.3	4.5000	1	0.9	44	64.6
19					10.4	10	10.1	9.9		0.5						
20	12.1	12.7	13	12.6	10.6	10.6	10.4	10.3	0.9	2.7	14.8					
21																
22																
7	12.8	13	13.1	13	11.3	11	11.3	11.2	0.3	2.1	15					
8	12.8	12.6	12.8	12.8	11.9	11.6	11.4	11.8	0.2	1.4	15.1	4.5001	0.8	2	45	65.9
9	12.7	12.5	12.6	12.5	11.7	11.4	11.6	11.6	0.2	1.3	16.3					
10	12.5	12.4	12.6	12.6	11.5	11.3	11.3	11.5	0.2	1.3	14.4					
11	12.5	12.8	12.7	13	12.3	12.1	12.3	12.4	0.5	0.9	12.9	4.5000	1.2	0.8	47	65.9
12	12.5	12.5	12.7	12.6	12	11.8	11.9	12	0.2	0.9	14.3					
13	12.7	12.5	12.8	12.8	12.3	11.9	12.1	12.2	0.3	0.9	15.2					
23	13	12.8	13.1	13	12	11.7	11.8	11.8	0.3	1.4	14.4					
26	13.7	13.7	13.8	13.6	12.7	12.9	12.8	13	0.1	1	16.1					
27	13.4	14.3	14.3	14.6	13	12.9	12.9	13	1.2	1.7	14.2					
28	13.5	14.5	15.2	15.1	13.4	13.3	13.5	13.5	1.7	1.9	15.6	4.5000	1	0.8	43	65.4
29	13.5	13.9	14.6	14.3	13.4	13.2	13.3	13.4	1.1	1.4	15.4					
30	14	14.2	13.8	13.8	13.1	13.1	12.9	13.1	0.4	1.3	13.5					
31	14.1	13.5	13.6	13.7	13.4	13.3	13.4	13.5	0.6	0.8	14.4					
32	14.8	14.5	14.6	14.5	14.8	14.4	14.4	14.5	0.3	0.4	15.2	4.4999	1.1	0.8	47	57.4
33	14.1	13.7	14.1	14.1	13.8	13.4	13.7	14	0.4	0.7	14.9					
34	13.8	13.6	13.7	13.8	13.6	13.6	13.5	13.6	0.2	0.3	14.5					
35	13.8	13.6	13.9	13.7	13.7	14	13.9	13.7	0.3	0.4	15.2					
36	13.9	13.8	13.9	13.9	14.4	14.2	14.2	14.3	0.1	0.6	14.9					
37																
38	13.6	13.5	13.8	13.6	14.3	14.2	14	14.2	0.3	0.8	14.6					
39	13.9	13.4	13.7	13.8	14.3	14.3	14.3	14.5	0.5	1.1	14.8					
41	13.9	13.6	13.9	13.9	15.2	14.9	15	15.1	0.3	1.6	15.2					
42	13.2	13.1	13.3	13.1	14.8	14.6	14.5	14.7	0.2	1.6	14.6					
43	13.6	13.5	13.7	13.6	15.2	14.9	15	15.2	0.2	1.7	14.7					
44	13.6	14.1	14.1	14.1	15.6	15.6	15.5	15.6	0.5	2	15.4					
45																
46	13.2	12.9	13.7	13.4	15.5	15.6	15.4	15.4	0.8	2.6	14.8					
47	14.3	14.1	14.1	14.3	15.1	15.4	15.3	15.3	0.2	1.3	15	4.5000	1	1	43	59
48	13.6	13.6	13.6	13.7	15.7	16	15.8	15.8	0.1	2.4	14.1					
49	14.1	14.1	14.2	14.3	16	16	16.1	16.1	0.2	2	15					
50	14.5	14.8	14.6	14.4	16.4	16.3	16.1	16.4	0.4	2	14.6					
51	13.6	13.4	13.6	13.6	16.5	16.3	16.4	16.5	0.2	3.1	14.6					
52	14.2	14.1	14.3	14.1	16.5	16.4	16.4	16.5	0.2	2.4	14.2					
53	14	13.7	14	13.9	17.1	16.9	17.1	17	0.3	3.4	13.6					
54	14.3	13.9	14.5	14.2	17.1	16.9	17.2	17.2	0.6	3.3	14.6					
55	14.1	14.3	14.1	14.2	16.3	16.5	16.3	16.3	0.2	2.4	11.8	4.5001	1.1	0.9	47.5	67.8
57	13.9	14	14.2	13.8	17.3	17.1	17.4	17.2	0.4	3.6	14					
59	14.1	13.9	13.9	14.1	16.8	16.8	17	16.9	0.2	3.1	14.3					
60	14.2	14.2	14.3	14.6	17.3	17.3	17.4	17.1	0.4	3.2	15.7					
61	14.4	14.4	14.8	14.5	17.1	17.1	17	17	0.4	2.7	15.8					
62	14.8	14.4	14.5	14.5	17.2	17.4	17.6	17.5	0.2	3.2	15.2					
63	14.8	14.9	15	15	17.7	17.8	18	18.1	0.2	3.3	15.3					
64	14.6	14.3	14.8	14.5	17.9	18	18.1	18.2	0.5	3.9	14.8					
65	14.5	14.4	14.7	14.6	18.2	18.2	18.2	18.4	0.3	4	14.9					
67	15.1	14.9	15.3	15.1	18.7	18.6	18.9	18.7	0.4	4	15					
69	14.7	14.4	14.8	14.6	18.8	19.1	18.7	18.8	0.4	4.7	16.7					
70	14.7	15	15.3	15.5	18.4	18.5	18.8	18.7	0.8	4.1	16.1					
71	14.6	14.7	14.9	14.8	18.5	18.9	18.7	18.9	0.3	4.3	13.9					
72	14.9	14.5	14.6	14.7	19.9	20	20.2	20.2	0.4	5.7	15.6	4.5000	1.3	1.3	43	67.4
73	14.6	14.6	14.8	14.8	18.5	18.6	18.9	18.9	0.2	4.3	14.7					
76	14.8	14.5	14.9	14.7	18.8	18.8	18.9	18.7	0.4	4.4	14.9					
77	14.3	14.6	14.5	14.3	18.9	19	19.4	19.5	0.3	5.2	15.3					

	3	2.6	2.8	3	All Channel Peak to Valley
3 dB Adjacent Channel				Pass	

Testpoint: (TP04) Kenwood St. & Fern St. **Cascade:** Node **Node #:** AX295 **Tap Value:**
Testdate: 2/23/10 **Pole #:** **Print #:** E-6 **HE/Hub:** Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data					
temp	68	50	41	39												
time	12:31	18:31	0:31	6:31	Video	Video	Video	Video	1.1	7.9	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	12.8	12.7	12.7	12.7	16.8	16.1	17.2	17.1	0.1	5.9	16.1	4.5001	0.8	1	51.7	70.9
3	12.6	12.7	12.6	12.8	17.5	16.9	16.1	15.7	0.2	4.9	15					
4	12.6	12.5	12.6	12.6	17.9	17.5	16.5	16.1	0.1	5.4	16.2					
5	12.6	12.1	12.4	12.5	17.5	16.6	16.1	15.4	0.5	5.4	15.3					
6	12.8	12.6	12.9	12.7	18	17.4	16.7	16.3	0.3	5.4	14.3					
95																
14	13.3	13.4	13.4	13.3	17.5	17.4	16.6	16	0.1	4.2	12.2					
15	13.6	13.5	13.8	13.8	17.4	17.5	16.8	16	0.3	4	15					
16	13.8	13.8	13.8	13.8	18.2	17.9	17.2	16.6	0	4.4	15.6					
17	13.9	13.7	13.9	13.9	18.2	17.8	17.4	16.8	0.2	4.5	11.8					
18	14.6	14.3	14.3	14.4	18.5	18.5	17.7	17.5	0.3	4.2	14.6	4.5000	0.9	0.6	50.9	71.5
19					19.8	19.4	18.3	18.7		3.1	14.7					
20	14.4	14.4	14.4	14.5	19.6	19.5	19.4	18.4	0.1	5.2	14.6					
21																
22																
7	14.6	14.7	14.7	14.8	19	18.9	18.5	17.8	0.2	4.4	15					
8	15	14.8	15.1	15	19.8	19.5	19	18.2	0.3	4.8	15.4	4.5001	0.8	2	53.2	70.8
9	14.5	14.4	14.5	14.8	19.4	19.3	18.8	18.1	0.2	5	15.6					
10	14.9	14.9	14.9	15.2	19.4	19.1	18.8	17.9	0.3	4.5	14.4					
11	15.1	15	15.1	15	19.6	19.8	19.1	18.5	0.1	4.6	13.7	4.5000	0.8	1	53.2	71.2
12	15.1	15.3	15.3	15.2	19.6	19.6	19.2	18.5	0.2	4.5	14.2					
13	15.4	15.4	15.6	15.4	20	19.9	19.4	18.7	0.2	4.6	16					
23	14.6	14.6	14.7	14.8	19	19	18.3	17.6	0.1	4.4	13.6					
26	16	16	16.2	16.1	19.8	20	19.3	18.9	0.2	4	16.8					
27	16	15.8	15.8	15.9	19.7	19.7	19.5	18.9	0.2	3.9	14.3					
28	16.7	16.6	16.6	16.6	20.6	20.7	20.2	19.8	0.1	4.1	15.1	4.5000	0.7	1.1	53	70
29	16.4	16.4	16.5	16.6	20.6	20.8	20.6	19.8	0.2	4.4	14.5					
30	17.2	17.2	17.4	17.6	20.7	20.6	20.3	19.8	0.4	3.5	14.7					
31	16.4	16.4	16.5	16.7	20.6	20.3	20.3	20	0.3	4.2	14.5					
32	17.6	17.6	17.8	17.8	21.3	21.2	21	20.2	0.2	3.7	14	4.4999	0.8	1.2	52.7	68.2
33	16.9	16.8	17	17	20.8	20.9	20.6	20	0.2	4.1	14.8					
34	17.5	17.5	17.6	17.6	21.1	21.1	20.7	20.2	0.1	3.6	15.5					
35	16.8	16.8	16.9	16.8	21	21	20.8	20.2	0.1	4.2	14.2					
36	17.5	17.6	17.6	17.7	21.9	21.8	21.7	21.1	0.2	4.4	15.5					
37											14.3					
38	17.7	17.7	17.9	17.8	22.2	22	21.6	21.3	0.2	4.5	15.3					
39	17.1	17.1	17.3	17.2	21.3	21.3	21	20.9	0.2	4.2	14.6					
41	17.3	17.4	17.6	17.6	22.4	22.5	22.1	21.6	0.3	5.2	14.8					
42	17.7	17.8	18	17.9	22.1	22.4	22.1	21.7	0.3	4.7	15.2					
43	17.9	17.8	17.9	18	22.7	22.6	22.6	22.1	0.2	4.9	15.2					
44	17.8	17.8	17.9	17.9	23.3	23.2	23	22.6	0.1	5.5	14.2					
45											15.7					
46	17.7	17.6	17.7	17.8	23.5	23.4	23.1	22.8	0.2	5.8	15.4					
47	18.2	18.5	18.5	18.6	22.7	22.7	22.6	22.2	0.4	4.5	13.9	4.5000	0.7	1.2	52.7	70.3
48	17.9	18	18.1	18.1	23.4	23.5	23.4	23	0.2	5.6	15.3					
49	17.8	17.9	17.9	17.9	23.2	23.1	22.9	22.7	0.1	5.4	15.5					
50	18.4	18.2	18	18.6	23.2	23.2	23.1	22.9	0.6	5.2	14.1					
51	18.3	18.4	18.4	18.5	23.9	23.8	24	23.5	0.2	5.7	13.9					
52	18.2	18.2	18.2	18.3	23.9	23.9	23.8	23.3	0.1	5.7	14.7					
53	18.3	18.3	18.4	18.5	24.3	24.2	24.2	24	0.2	6	12.5					
54	18.5	18.5	18.6	18.5	24.1	24	24.2	23.8	0.1	5.7	14.7					
55	18.9	19	19.1	19.1	23.6	23.7	23.7	23.3	0.2	4.8	15.1	4.5001	0.9	1.4	53.8	69.5
57	18.9	19.1	19.1	19	24.2	24.1	23.9	24.1	0.2	5.3	14.6					
59	19.3	19.4	19.5	19.5	23.9	23.7	24	23.8	0.2	4.7	15.7					
60	18.3	18.3	18.5	18.5	24.1	23.9	24.1	24	0.2	5.8	15.3					
61	19.5	19.6	19.8	19.6	23.6	23.7	23.7	23.6	0.3	4.2	14.7					
62	18.9	18.9	19.1	19	24.1	24.1	24.1	24	0.2	5.2	15.5					
63	19.4	19.5	19.7	19.7	24.7	24.7	24.8	24.6	0.3	5.4	15.3					
64	19.1	19.1	19.3	19.2	24.8	24.8	24.7	24.6	0.2	5.7	15.4					
65	19	19	19.2	19.2	24.7	24.7	24.9	24.8	0.2	5.9	16.1					
67	19.7	19.7	19.9	20.1	25.6	25.4	25.6	25	0.4	5.9	15.8					
69	19.3	19.4	19.4	19.5	25.4	25.3	25.5	25.3	0.2	6.2	13.6					
70	20.3	20.6	20.5	20.7	25.3	25.5	25.7	25.6	0.4	5.4	16.1					
71	20.3	20.2	20.4	20.4	26.4	26.4	26.5	26.7	0.2	6.5	15.1					
72	20.7	20.8	20	21.1	27.6	27.6	27.9	27.7	1.1	7.9	14.8	4.5000	1.3	0.9	51.6	71.4
73	20.6	20.5	20.8	20.8	26.2	26.3	26.5	26.6	0.3	6.1	15.1					
76	20.7	20.9	21	21.1	26.3	26.3	26.6	26.3	0.4	5.9	16.5					
77	20.3	20.5	20.6	20.5	26.8	26.8	27	27.1	0.3	6.8	15.8					
	8.1	8.8	8.6	8.6	All Channel Peak to Valley											
	3 dB Adjacent Channel				Pass											

Testpoint: (TP65) 1121 Allison St. **Cascade:** Node **Node #:** AX356 **Tap Value:**
Testdate: 2/18/10 **Pole #:** **Print #:** E-7 **HE/Hub:** Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance

	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data		Testpoint Score		100	PASS
temp	66	68	39	37												
time	9:35	15:35	21:35	3:35	Video	Video	Video	Video	1.6	4.6	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	13.9	13.8	14.1	14.3	15.5	15	14.5	14.5	0.5	1.7	16.8	4.5001	0.8	0.4	50.5	72.4
3	14.1	14.1	14.3	13.8	14.5	14.3	13.8	13.4	0.5	1.1	15					
4	14.3	14.3	13.8	14.2	14.9	14.4	13.9	13.4	0.5	1.5	16.2					
5	14.1	13.9	14.2	13.8	14.8	14.7	14	14	0.4	1	15.1					
6	13.6	13.9	14	14.1	14.2	13.9	13.8	13.3	0.5	0.9	15.2					
95																
14	14.4	14.3	14.5	14.6	14.2	14.4	13.9	13.5	0.3	1.1	12.8					
15	14.7	14.7	15	14.7	14.5	14.6	14.1	13.3	0.3	1.7	14.9					
16	15.1	15	15	15.1	15.2	15.4	14.7	14.1	0.1	1.3	15.7					
17	14.4	14.4	13.3	14.9	14.4	14.7	13.5	13.7	1.6	1.6	12.6					
18	15.6	15.7	15.8	15.7	15.5	15.6	14.9	14.5	0.2	1.3	14.7	4.5000	0.8	0.7	51	66.4
19					16.1	15.1	14.6	14.3		0.8						
20	14.6	14.6	15	15	15.1	15.1	14.5	14.6	0.4	0.6	15.1					
21																
22																
7	14.7	14.8	14.9	14.7	15.9	15.5	15.3	14.8	0.2	0.9	15.1					
8	14.6	14.7	14.5	14.6	15.8	15.7	15.4	14.9	0.2	1.3	15.4	4.5001	1	2	51.2	72.9
9	14.1	13.8	14.1	14.3	15	15	14.7	14.3	0.5	1.2	16.4					
10	14.2	14.3	14.5	14.4	15.4	15.6	15.2	14.5	0.3	1.4	14.4					
11	14.5	14.3	14.4	14.3	15.7	15.6	15.3	14.9	0.2	1.5	13.5	4.5000	0.9	1.2	50.9	71.1
12	13.5	13.6	13.9	13.9	14.7	14.9	14.4	14	0.4	1.4	14.4					
13	14.1	14.2	14.2	14.3	15.5	15.9	15.4	14.6	0.2	1.8	14.9					
23	14.8	15	14.8	14.6	13.7	15.3	15.3	12.5	0.4	2.8	14.3					
26	13.9	14.6	14.6	14.8	15.6	15.4	14.5	15.4	0.9	2.6	15.7					
27	12.7	12.2	13.4	13.1	15.4	15.3	15.6	15.4	1.2	4.2	14.5					
28	15	14.9	14.2	14.3	17.2	17.1	16.5	15.8	0.8	3	13.7	4.5000	0.9	1.1	51.9	71.6
29	15.5	15.6	15.9	15.7	15.9	15.9	16.3	14.9	0.4	2	15					
30	15.5	15.6	15.9	16.2	16.8	15	16.3	13.9	0.7	2.9	14.7					
31	15.5	15.5	15.5	15.7	17.2	14.3	16.8	13.2	0.2	4	14.8					
32	16	16.2	16.5	16.3	17.4	14.6	16.8	14	0.5	3.4	14.4	4.4999	1.1	0.8	51.6	70.9
33	16.1	16	16.5	16.4	17.1	15.3	16.7	14.6	0.5	2.5	14.7					
34	16.5	16.7	16.5	16.5	17.4	16.5	17.1	15.6	0.2	1.8	15.5					
35	15.6	15.5	15.9	15.9	16.7	16	16.5	15.3	0.4	1.4	15.2					
36	16.4	16.2	16.5	16.4	17.6	16.9	17.4	15.9	0.3	1.7	15.3					
37																
38	15.8	15.7	16.2	15.8	16.8	16.6	16.6	15.3	0.5	1.5	14.6					
39	16.1	16	15.9	15.8	17.3	17.1	17.1	15.7	0.3	1.6	14.9					
41	15.9	15.8	16.1	16	17.1	16.9	17.1	15.1	0.3	2	15.1					
42	15.8	15.6	15.7	15.6	17.1	17.1	17.4	15.8	0.2	1.8	14.6					
43	16.2	16	16.1	16.3	17.7	17.9	17.9	16.9	0.3	1.9	15.8					
44	15.8	15.6	15.7	16	17.2	17.4	17.5	16.4	0.4	1.9	15.9					
45																
46	15.6	15.8	15.9	15.9	16	16	16	17.3	0.3	2.4	14.8					
47	17	16.8	16.9	17	17.6	18.1	17.8	16.9	0.2	1.3	15.7	4.5000	0.9	0.6	51.2	71.7
48	16.1	15.8	16.1	16	16	16.3	16.4	17.6	0.3	2.6	15.4					
49	15.8	15.5	16.1	16	17.2	17.6	17.7	16.7	0.6	2.2	14.9					
50	16.5	16.6	16.8	16.8	16.4	16.7	16.8	17.7	0.3	2.3	15					
51	15.9	15.7	15.7	15.8	16.3	16.9	16.5	17.6	0.2	3.2	15.2					
52	15.7	15.4	15.9	16	17.5	17.7	17.6	16.8	0.6	2.4	14.7					
53	15.8	15.4	15.6	15.8	16	16.3	16.3	17.4	0.4	3	14.4					
54	15.9	15.6	15.8	15.8	16.5	19.1	19.1	17.8	0.3	3.5	15					
56	16.1	15.9	15.9	15.9	16	16.5	16.6	17.5	0.2	2.6	12.3	4.5001	1	1	51.2	66.5
57	15.1	15.4	15.3	15.4	16.3	16.7	16.7	17.6	0.3	3.6	15.2					
59	15.1	15.6	15.5	15	16.2	16.6	16.5	17.5	0.6	3.6	15					
60	14.8	15.2	14.7	15	17.6	16.1	16.2	17.4	0.5	3.5	15.5					
61	15.6	15.7	15.2	15.4	17.8	16.1	16.2	17.3	0.5	3	16					
62	15.4	15.3	15.7	15.4	16.2	16.7	16.5	17.6	0.4	3.4	15					
63	15.7	15.4	16.2	16.2	16.6	16.9	19	17.9	0.8	3.6	14.9					
64	15.9	15.4	16.2	16.3	16.8	16.6	16.9	18.1	0.9	3.5	15.2					
65	15.9	15.4	16.2	16.3	16.6	19.1	19	18	0.9	3.7	15					
67	17.1	16.8	17.2	17.2	19.1	19.2	19.4	16.6	0.6	2.8	15.3					
69	16.1	16.4	16.8	16.7	19.1	19.2	19.7	16.6	0.6	3.6	16.2					
70	17.6	17.2	17.7	17.7	19.2	19.4	20.3	16.7	0.5	3.1	16.1					
71	16.9	16.7	17.4	17.2	16.9	19	19.8	16.6	0.7	3.1	14					
72	17.1	16.8	17.1	17.4	20.3	20.6	21.4	19.6	0.6	4.6	16	4.5000	1.3	1.1	49.9	66.6
73	17	16.9	17.1	17.2	19	19.2	19.6	16.5	0.3	2.9	15.1					
76	16.5	16.4	16.5	16.9	18	19	19.6	17.6	0.5	3.2	15					
77	16.2	16.3	16.8	16.9	18.3	19.3	19.9	18.1	0.7	3.7	16.6					

4.9	5	4.4	4.6	All Channel Peak to Valley	
3 dB Adjacent Channel			Pass		

Testpoint: (TP06) 901 N. Kemper St. Cascade: Node Node #: AX155 Tap Value:
Testdate: 2/17/10 Pole #: Print #: G-4 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data					
temp	64	39	35	37												
time	11:58	17:58	23:58	5:58	Video	Video	Video	Video	0.9	8	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	11.8	11.7	11.7	11.7	14.8	15.2	15.2	15.4	0.1	3.7	16.4	4.5001	0.9	0.5	49.1	68.6
3	12	11.9	11.9	11.7	14.1	14.4	14.6	14.6	0.3	2.9	15					
4	11.9	11.9	11.8	11.8	14.3	14.6	14.7	14.7	0.1	2.9	16.1					
5	12.4	12.3	12.1	12.3	14.4	14.8	14.9	14.9	0.3	2.8	15.2					
6	13.1	12.8	12.7	12.7	15	15.1	15.5	15.6	0.4	2.9	15.6					
95																
14	13.2	13.1	13.1	13.1	15.1	15.3	15.5	15.5	0.1	2.4	13					
15	13.4	13.2	13.1	13.4	15.5	15.7	15.8	15.7	0.3	2.7	15.5					
16	13.5	13.2	13.2	13.3	15.4	15.7	16	16.1	0.3	2.9	15.6					
17	13.4	13.1	13	13.3	15.3	15.5	15.8	15.8	0.4	2.8	12.8					
18	14.1	14	14.1	13.9	16.2	16.4	16.9	16.7	0.2	3	14.2	4.5000	0.8	0.8	49.8	69.5
19					15.7	16	16	16.3		0.6						
20	13.1	13	12.9	12.9	15.9	16.1	16.4	16.4	0.2	3.5	14.4					
21																
22																
7	13.1	13.3	13.3	13.2	16.3	16.7	16.7	16.9	0.2	3.8	15.1					
8	12.9	13.1	13.1	13.1	16.8	17.2	17.6	17.5	0.2	4.7	15	4.5001	0.9	2	49.8	70.4
9	13.1	13.2	13.1	12.8	16.9	17.3	17.4	17.3	0.4	4.6	16.4					
10	12.9	12.8	12.8	12.9	16.4	16.7	16.9	16.9	0.1	4.1	14.6					
11	13.1	13	13.2	12.9	17.2	17.5	17.8	17.6	0.3	4.9	13.1	4.5000	0.8	0.9	49.9	67.4
12	13.3	13	12.9	12.9	16.9	17.4	17.6	17.6	0.4	4.7	14.7					
13	13.1	13	13.2	13	17	17.4	17.7	17.9	0.2	4.9	15.1					
23	13.4	13.2	13.3	13.3	16.9	17	17.6	17.5	0.2	4.4	14.2					
26	13.7	13.8	13.6	13.6	17.7	18	18.5	18.6	0.2	5.2	16.9					
27	13.8	13.7	13.6	13.7	17.7	18.4	18.7	18.5	0.2	5.1	15.2					
28	13.5	13.5	13.3	13.6	18.1	18.6	18.8	18.7	0.3	5.5	14.9	4.5000	0.8	0.7	50.3	68.1
29	13.9	13.6	13.9	13.7	18.1	18.7	18.9	18.9	0.3	5.3	15					
30	14.6	14.4	14.4	14.1	18	18.3	18.9	18.8	0.5	4.8	14.4					
31	13.6	13.6	13.5	13.5	18.1	18.8	19.1	19	0.1	5.6	14.4					
32	14.6	14.7	14.7	14.9	19	19.3	19.8	19.6	0.3	5.2	15.4	4.4999	0.7	1	50.7	68.9
33	14.4	14.4	14.4	14.5	18.4	18.9	19.3	19.4	0.1	5	15					
34	14.3	14.2	14.1	14.1	18.3	18.8	19.1	19.1	0.2	5	14.7					
35	14.3	14.2	14.1	14.3	18.5	19	19.4	19.3	0.2	5.3	15.5					
36	14.4	14.3	14.5	14.5	18.9	19	19.5	19.8	0.2	5.5	15.3					
37																
38	14.6	14.8	14.7	14.5	19.1	19.5	19.8	20	0.3	5.5	15					
39	14.5	14.3	14.4	14.3	19	19.4	19.6	19.5	0.2	5.3	14.9					
41	14.8	14.8	14.9	14.9	19.6	20.2	20.2	20.5	0.1	5.7	15.3					
42	14.5	14.5	14.5	14.4	19.6	19.9	20.4	20.4	0.1	6	15					
43	14.6	14.7	14.6	14.9	20	20.4	20.6	20.6	0.3	6	15.5					
44	15	15	15.2	14.9	20.3	20.8	21	21	0.3	6.1	15.6					
45																
46	14.4	14.2	14.2	14	20.3	20.5	20.7	20.9	0.4	6.9	14.6					
47	15.6	15.4	15.6	15.4	20.3	20.7	20.9	20.8	0.2	5.5	15.6	4.5000	0.8	1	49.6	69.6
48	14.9	14.9	14.6	14.7	20.7	21.3	21	21.3	0.3	6.7	14.7					
49	14.8	14.7	14.5	14.8	20.7	21.1	21.4	21.3	0.3	6.9	15.1					
50	15.1	15.1	15.3	15.3	20.8	21.1	21.6	21.5	0.2	6.4	14.8					
51	14.6	14.6	14.6	14.5	20.7	21.1	21.4	21.4	0.1	6.9	15.1					
52	14.8	14.9	14.8	14.8	20.7	20.8	21.2	21.3	0.1	6.5	14.5					
53	14.8	14.8	14.6	14.8	21.4	21.4	22.1	22	0	7.3	14.6					
54	14.6	14.9	14.8	14.9	21.4	21.6	22.3	22.1	0.3	7.7	14.9					
56	15.7	15.6	15.6	15.5	21	21.6	21.7	21.7	0.2	6.2	12.1	4.5001	0.9	1	50.7	68.1
57	15.3	15.3	15.5	15.2	21.6	22.1	22.6	22.1	0.3	7.3	15					
59	15.1	15.3	15.1	15.3	21.1	21.7	22	22	0.2	6.9	14.4					
60	15.7	15.8	15.8	15.9	21.9	22.4	23	22.8	0.2	7.3	15.6					
61	15.7	15.9	15.9	15.7	21.4	22.2	21.9	22.1	0.2	6.5	16					
62	15.7	15.8	15.8	15.7	21.9	22.5	22.7	23	0.1	7.3	15					
63	15.6	16.3	16.4	16.4	22.3	23	22.7	23.2	0.6	7.4	15.4					
64	15.9	16	16.1	15.9	22.6	22.9	23.1	23.3	0.2	7.4	15					
65	16	16	15.9	16.2	22.3	23.3	23.1	23.7	0.3	7.8	15.3					
67	16.6	16.4	16.6	16.3	23	23.3	23.8	23.6	0.3	7.5	14.7					
69	16.8	17.7	17.4	17.6	23.6	24.4	24.5	24.7	0.9	7.9	16.1					
70	17	16.9	17.1	17.2	23.1	24	24.2	24.4	0.3	7.5	16.1					
71	16.9	17	16.9	16.9	23.7	24.4	24.6	24.5	0.1	7.7	13.6					
72	17.9	18.4	18.5	18.4	24.3	24.9	25.6	25.3	0.6	7.7	16.3	4.5000	1	0.9	50.5	71.9
73	16.8	16.9	16.8	16.8	23.6	24	24.4	24.4	0.1	7.6	14.5					
76	17.1	17	17	17	24.2	24.6	24.8	25	0.1	8	14.9					
77	18.1	18.3	18.2	18.1	24.8	25.2	25.6	25.6	0.2	7.5	15.5					
	6.3	6.7	6.8	6.7	All Channel Peak to Valley											
	3 dB Adjacent Channel			Pass												

Testpoint: (TP07) 528 Bellvue Pl. Cascade: Node Node #: AX487 Tap Value:
Testdate: 2/18/10 Pole #: Under Ground Print #: G-10 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data					
temp	50	35	35	35												
time	10:35	16:35	22:35	4:35	Video	Video	Video	Video	1.2	1.7	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	13	13.2	13.5	13.3	14.3	14.6	14.6	14.7	0.5	1.7	16.9	4.5001	0.9	0.9	50.1	71.5
3	12.8	13.1	13.2	12.9	13.2	13.3	13.3	13.5	0.4	0.7	14.9					
4	13.1	13	12.9	12.7	13.5	13.5	13.3	13.6	0.4	0.9	15.8					
5	13	13.1	13.3	12.9	13	13.2	13.3	13.3	0.4	0.4	15					
6	12.7	12.5	13	13.1	13	13.4	13.6	13.5	0.6	1.1	15.2					
95																
14	13.2	13.6	13.6	13.6	12.3	12.3	12.8	13	0.4	1.3	12.7					
15	13.5	13.7	14	13.8	12.8	12.8	13	13.1	0.5	1.4	15.2					
16	13.5	13.7	13.8	13.7	13	13	13.4	13.3	0.3	0.8	14.9					
17	13.8	13.7	13.9	13.9	12.9	13.1	13.3	13.4	0.3	1	12.2					
18	14.6	15	14.9	14.9	13.9	13.6	14	14.1	0.4	1.4	14.6	4.5000	0.8	1.1	48.9	76.7
19					13	13.1	13.5	13.3		0.5						
20	13.4	13.8	14.1	13.9	12.8	13.2	13.4	13.5	0.7	1.3	14					
21																
22																
7	14.1	14.4	14.4	14.4	13.8	14.1	14.2	14.1	0.3	0.8	14.8					
8	14.4	14.6	14.6	14.5	13.9	14.2	14.4	14.4	0.2	0.7	15	4.5001	0.9	1.1	49.1	67.4
9	13.9	14.2	14.3	14.4	13.6	13.7	14.1	14.1	0.5	0.9	16.3					
10	14.5	14.5	14.8	14.7	13.9	13.9	14.2	14.3	0.3	0.9	14.5					
11	14.3	14.9	14.9	14.3	14.1	14.1	14.3	14.3	0.6	0.8	12.4	4.5000	0.9	0.7	48.6	68.2
12	14.4	14.7	14.9	14.8	13.6	13.7	14.2	14.1	0.5	1.3	14					
13	14.8	15.1	15	14.8	14.1	14.4	14.5	14.9	0.3	1	14.8					
23	14.9	15.3	15.4	15.1	13.7	14	14.3	14.3	0.5	1.7	14.1					
26	15.8	15.7	16	15.8	14.8	14.7	14.6	15.2	0.4	1.4	17					
27	14.8	15.2	15.5	15.6	14.4	14.7	14.7	15	0.8	1.2	14.8					
28	15.2	15.7	15.8	15.7	15.2	15.4	15.5	15.6	0.6	0.6	14.8	4.5000	0.9	0.7	49.9	70.1
29	15.3	15.7	15.8	15.6	14.7	15.1	15.3	15.1	0.5	1.1	14.9					
30	15	15.5	15.9	16	14.4	14.6	14.7	14.9	1	1.6	14.5					
31	15.3	15.7	15.6	15.9	14.8	15	15.1	15.3	0.6	1.1	14.9					
32	15.9	16.2	16.4	16.4	15.2	15.3	15.5	15.9	0.5	1.2	14.4	4.4999	1	0.4	49.5	67.4
33	15.8	16.3	16.3	16.5	14.8	15.1	15.3	15.6	0.7	1.7	14.8					
34	16.1	16.4	16.5	16.7	15.3	15.3	15.5	15.8	0.8	1.4	15.3					
35	15.6	16	16.3	16	14.6	14.9	15	15.3	0.7	1.7	14.8					
36	15.9	16.6	16.4	16.3	15	15.2	15.4	15.6	0.7	1.6	14.7					
37																
38	15.8	16.4	16.5	16.6	15.1	15.3	15.3	15.8	0.8	1.5	14.8					
39	16	16.5	16.4	16.4	15.2	15.2	15.4	15.5	0.5	1.3	14.7					
41	16	16.7	16.7	16.6	15.4	15.6	15.5	16	0.7	1.3	14.8					
42	16	16.4	16.5	16.4	15.8	15.7	15.9	16	0.5	0.9	15.1					
43	16.6	16.7	16.8	16.9	16.3	16.4	16.4	16.9	0.3	0.6	15.4					
44	16.6	17	16.9	16.6	16	16.1	16.1	16.4	0.4	1	15.1					
45																
46	16.1	16.4	16.3	16.1	16.1	16.2	16.4	16.8	0.3	0.7	14.4					
47	17.2	17.3	17.3	17.3	15.8	15.8	15.9	16.1	0.1	1.7	15.3	4.5000	0.9	0.7	48.8	71.8
48	16.5	17	17	16.8	16.6	16.5	16.4	16.9	0.5	0.6	14.8					
49	16.7	16.9	17.4	16.9	16.2	16.5	16.5	16.7	0.7	1.2	14.9					
50	17.1	17	17.2	17.2	16.5	16.6	16.9	16.9	0.2	0.7	14.6					
51	16.6	16.9	16.8	16.8	16.6	16.7	16.8	17.4	0.3	0.8	15.1					
52	16.6	17	16.8	16.6	15.9	16.1	16.2	16.5	0.4	1.1	14.3					
53	16.7	17	17.4	16.9	17	17.1	17.1	17.4	0.7	0.7	14.6					
54	16.9	17.5	17	17.2	17	17.2	17.4	17.5	0.6	0.6	15.4					
55	17	17.4	17.6	17.2	15.9	16.3	16.5	16.5	0.6	1.7	12.5	4.5001	1	1	49.8	67
57	16.5	17	16.6	16.6	16.5	16.4	17	17	0.5	0.6	14.6					
59	16.7	17	16.7	16.8	16.4	16.4	16.5	16.8	0.3	0.6	14.5					
60	16.7	17.1	17	17	16.4	16.6	16.8	17	0.4	0.7	15.5					
61	16.8	17.2	17.4	17.3	15.9	16.3	16.6	16.2	0.6	1.5	15.7					
62	17.5	17.6	17.9	17.7	17.1	16.8	17.3	17.3	0.4	1.1	15.7					
63	17.7	17.7	17.9	18	16.7	17	16.8	17.4	0.3	1.3	15.9					
64	17	17.5	17.7	17.5	16.8	17	17.2	17.5	0.7	0.9	15.4					
65	17.5	17.9	17.6	17.6	17.3	17.1	17.5	17.6	0.4	0.9	15.6					
67	18	18.2	18.3	18.1	17.3	17	17.2	17.6	0.3	1.3	14.8					
69	16.6	17.6	17.8	17.5	16.9	17.1	17.3	17.5	1.2	1.2	16.5					
70	18.2	18.5	18.5	18.4	17.6	17.4	17.6	17.8	0.3	1.1	16					
71	18	18.1	18.3	18.1	17.6	17.9	17.9	18.1	0.3	0.7	13.9					
72	18	18	18.2	18.3	16.9	18.9	19.1	19.3	0.3	1.3	16	4.5000	1.2	0.6	50.2	67.2
73	17.9	18.2	17.9	17.9	17.3	17.7	17.8	18	0.3	0.9	14.4					
76	18	18.4	18.4	18.3	17.4	17.6	17.8	17.9	0.4	1	15					
77	17.6	18.4	18.1	18	17.9	18	18.1	18.3	0.8	0.8	15.7					
	5.5	6	5.6	5.7	All Channel Peak to Valley											
	3 dB Adjacent Channel				Pass											

Testpoint: (TP08) 5109 Gardner Dr.
Testdate: 2/23/10

Cascade: Node
Pole #: Under Ground

Node #: AX520
Print #: I-3

Tap Value:
HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance

	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data		Testpoint Score		100	PASS
temp	48	69	57	55												
time	9:20	15:20	21:20	3:20	Video	Video	Video	Video	0.8	3.1	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
	12.8	12.6	12.8	12.9	14.3	14.3	14.2	14.2	0.3	1.7	16.6	4.5001	0.9	0.7	50.1	69.1
3	12.5	12.4	12.4	12.6	13.8	13.7	13.6	13.7	0.2	1.4	15					
4	12	12.3	12.5	12.8	14.1	13.9	14	13.9	0.8	2.1	15.8					
5	12.6	12.8	12.8	13	13.8	13.8	13.6	13.6	0.4	1.2	15.1					
6	13	13.1	13.1	13.3	13.9	13.8	13.8	13.9	0.3	0.9	15.1					
95																
14	14.4	14.5	14.5	14.7	14.5	14.3	14.4	14.3	0.3	0.4	12.8					
15	14.8	14.9	14.7	15.1	14.7	14.7	14.7	14.5	0.4	0.6	15.5					
16	14.5	14.6	14.8	14.8	15	15	14.9	14.9	0.3	0.5	15.1					
17	14.8	14.9	15.1	15	15	15.1	15.1	15.1	0.3	0.3	12.3					
18	15.7	15.8	15.7	15.9	15.7	15.6	15.7	15.6	0.2	0.3	14.2	4.5000	0.8	0.8	52.3	78.9
19					15.6	15.6	15.7	15.6		0.1						
20	15.1	15	15.2	15.5	16	15.9	15.9	16	0.5	1	15					
21																
22																
7	15.6	15.4	15.8	15.6	16.5	16.6	16.6	16.5	0.4	1.2	14.8					
8	15.8	15.9	15.9	16.2	16.8	16.9	16.8	16.9	0.4	1.1	15.4	4.5001	0.8	2	52.2	69.4
9	15.6	15.4	15.6	15.7	16.4	16.3	16.5	16.3	0.3	1.1	15.9					
10	15.6	15.9	16.2	16.3	16.6	16.6	16.7	16.7	0.7	1.1	14.5					
11	15.9	15.9	16.1	16.1	16.8	16.7	16.7	16.8	0.2	0.9	13.1	4.5000	0.8	0.8	52.3	78.9
12	16.1	16	16.2	15.9	16.4	16.4	16.4	16.3	0.3	0.5	14.2					
13	16.3	16.2	16.4	16.4	17	17.1	17	16.9	0.2	0.9	15.2					
23	16.3	16	16	16.4	15.8	15.8	15.8	15.8	0.4	0.6	14.1					
26	16.8	16.5	16.6	17	16.7	16.8	16.6	16.8	0.5	0.5	16.5					
27	16.5	16.6	16.7	16.7	17.2	17.1	17.1	17.3	0.2	0.8	14.5					
28	16.7	16.7	16.6	17	17.7	17.8	17.8	17.6	0.4	1.2	14.7	4.5000	0.8	1.2	51.8	69.3
29	16.6	16.6	16.9	16.9	17.3	17.3	17.4	17.5	0.3	0.9	14.7					
30	17.2	17.2	17.4	17.4	17.2	17.2	17.4	17.4	0.2	0.2	14.3					
31	16.9	16.8	17	17.1	17.8	18	18	18	0.3	1.2	14.3					
	17.7	17.6	18	18.2	18.2	18.3	18.4	18.4	0.6	0.8	14.8	4.4999	0.8	1	53.7	68
33	17.6	17.6	17.7	17.9	17.9	18	18.1	18.2	0.3	0.6	14.5					
34	17.6	17.5	18	17.8	18.3	18.2	18.4	18.3	0.5	0.9	14.8					
35	17.2	17	17.3	17.4	17.7	17.7	17.8	18	0.4	1	14.8					
36	17.5	17.5	17.6	17.9	18.4	18.5	18.8	18.7	0.4	1.3	14.6					
37																
38	17.8	17.9	18.1	18.1	18.3	18.4	18.5	18.5	0.3	0.7	14.5					
39	18.6	18.2	18.4	18.2	18.8	18.8	19	18.9	0.4	0.8	14.4					
41	18.7	18.6	19	18.9	19.6	19.5	19.7	19.6	0.4	1.1	14.8					
42	18.5	18.5	18.8	18.8	19.8	19.9	20	20	0.9	1.5	15.1					
43	18.7	18.7	18.9	18.8	19.8	19.7	19.9	19.9	0.2	1.2	14.9					
44	18.9	18.7	19	19.1	19.4	19.5	19.5	19.5	0.4	0.8	15.1					
45																
46	18.6	18.7	19	19.2	20.2	20.2	20.4	20.4	0.6	1.8	14.6					
47	20	19.9	20.2	20.1	20	20	20.2	20.1	0.3	0.3	15.6	4.5000	0.7	1.4	52.7	76.7
48	18.8	18.8	18.9	19	20.4	20.6	20.5	20.4	0.2	1.8	14.2					
49	19.4	19.3	19.7	19.4	20.2	20.3	20.4	20.2	0.4	1.1	14.7					
50	19.6	19.7	19.9	19.9	20.8	20.8	20.7	20.7	0.3	1.2	14.3					
51	19	19.1	19.2	19.3	20.9	20.8	21	20.9	0.3	2	14.8					
52	19.5	19.5	19.7	19.8	20.3	20.5	20.5	20.5	0.3	1	15					
53	18.9	18.6	18.9	19	21.1	21	21	20.9	0.4	2.5	14.4					
54	18.7	18.6	18.8	19	21	21.1	21	21	0.4	2.6	14.5					
56	19.7	19.5	19.5	19.5	20.9	20.8	20.9	20.9	0.2	1.4	11.9	4.5001	0.8	1.3	52.2	70.7
57	18.8	19	19.1	19.1	20.9	21	21.1	21	0.3	2.3	14.4					
59	18.9	18.9	18.7	19.1	20.7	20.8	21	20.9	0.4	2.3	14.5					
60	18.7	18.7	18.9	19	20.2	20.3	20.5	20.4	0.3	1.8	14.9					
61	19.2	19.1	19.3	19.5	20.4	20.3	20.4	20.5	0.4	1.4	15.7					
62	19.3	19.3	19.5	19.7	20.9	20.9	21.2	21.1	0.4	1.9	15.4					
63	19.6	19.6	19.9	19.5	20.6	20.8	21	20.8	0.4	1.5	14.5					
64	19.2	19.4	19.6	19.8	21.1	21.1	21.3	21.2	0.6	2.1	14.9					
65	19.6	19.5	19.8	19.8	21.2	21.3	21.5	21.4	0.3	2	15.4					
67	19.7	20	20	20	21.3	21.5	21.6	21.4	0.3	1.9	14.3					
69	19.2	19.7	19.8	19.8	21.3	21.5	21.4	21.3	0.6	2.3	16.5					
70	20.6	20	20.5	20.6	21.3	21.7	21.9	21.9	0.6	1.9	16					
71	20.1	19.9	20.3	20.4	21.6	22	22	22.1	0.5	2.2	14.1					
72	19.8	19.7	20	20	22.5	22.6	22.8	22.7	0.3	3.1	15.3	4.5000	1.4	0.8	51	66
73	19.9	19.8	20	20	21.5	21.9	22	22	0.2	2.2	13.8					
76	20.7	20.6	20.8	20.9	22	22.3	22.3	22.4	0.3	1.8	15					
77	20.3	20.1	20.7	20.4	22	22.4	22.5	22.5	0.6	2.4	15.5					

8.7	8.3	8.4	8.3	All Channel Peak to Valley
3 dB Adjacent Channel			Pass	

Testpoint: (TP09) 416 Bashford Ln. Cascade: Node Node #: AX486 Tap Value:
Testdate: 2/15/10 Pole #: Under Ground Print #: G-10 HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data					
temp	46	53	37	35												
time	11:30	17:30	23:30	5:30	Video	Video	Video	Video	0.9	6.4	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	12.2	11.9	12.1	12.6	17.6	17.8	17.9	17.8	0.7	6	16.6	4.5001	1	1.1	47.8	68.5
3	12	11.8	12	12	16.5	16.6	16.5	16.4	0.2	4.8	14.7					
4	12.3	12.1	12.4	12.2	17	17.4	17.3	17.4	0.3	5.3	15.7					
5	12.4	12.3	12.2	12.2	16.8	17.1	17	17	0.2	4.9	15					
6	12.1	11.9	12.4	12.3	17	17.3	17.3	17.1	0.5	5.4	15.3					
95																
14	11	11	11.3	11	15.9	15.9	15.9	16	0.3	5	12.1					
15	12.3	12.4	12.3	12.4	16.2	16.3	16.3	16.4	0.1	4.1	15.4					
16	12.3	12.2	12.3	12.2	16.8	17	17.1	17	0.1	4.9	15.4					
17	11.5	11.4	11.3	11.8	16.2	16.5	16.4	16.4	0.5	5.2	12.4					
18	11.9	11.8	11.9	11.8	16.1	16.5	16.7	16.6	0.1	4.9	13.9	4.5000	0.8	0.9	48.4	63.8
19					16.1	16.2	16.5	16.6		0.5						
20	11.6	11.4	11.8	11.7	16.5	16.9	17.1	17	0.4	5.7	14.6					
21																
22																
7	12.3	12.4	12.4	12.3	17	17.2	17.4	17.4	0.1	5.1	14.8					
8	12	12	12	12	16.8	16.9	16.9	16.8	0	4.9	14.9	4.5001	0.9	0.8	48.3	68.6
9	12.4	12.3	12.5	12.3	16.8	17.2	17.1	16.7	0.2	4.9	16.6					
10	13.3	13	13.1	13.1	17.3	17.5	17.6	17.6	0.3	4.6	14.6					
11	12.4	12.3	12.3	12.3	17.1	17.6	17.5	17.5	0.1	5.3	13.1	4.5000	0.8	1.1	49.5	68.5
12	12	11.9	12.2	12.1	16.3	16.7	17	16.4	0.3	5.1	14.8					
13	13	12.9	12.9	12.8	17.2	17.5	17.7	17.6	0.2	4.9	14.8					
23	12.9	12.6	12.6	12.5	17.1	17.3	17.5	17.5	0.4	5	13.2					
26	13.3	13.1	13.2	13.5	17.1	17.3	17.3	17.4	0.4	4.3	16.3					
27	13	13	13.3	13.3	17.1	17.4	17.4	17.6	0.3	4.6	14.2					
28	14.3	14	14.1	14.2	18.3	18.5	18.7	18.6	0.3	4.8	14.8	4.5000	0.8	1.2	49.5	68
29	14.4	14.3	14.3	14.4	18	18.4	18.5	18.7	0.1	4.4	14.8					
30	14.3	13.7	14.4	14.6	17.3	17.5	17.6	17.5	0.9	3.9	14.3					
31	13.9	13.8	13.9	13.9	17.4	17.8	18	18	0.1	4.2	14.7					
32	14.2	14.1	14.5	14.5	17.8	17.9	18.2	18.3	0.4	4.2	14.4	4.4999	0.8	0.7	49.6	67.1
33	14.3	14.1	14.4	14.4	17.5	17.8	18.1	18	0.3	4	14.2					
34	14.4	14.4	14.4	14.4	17.8	18.1	18.3	18.3	0	3.9	15					
35	13.7	13.4	13.7	13.8	17	17.4	17.7	17.5	0.4	4.3	15.7					
36	13.3	13	13.5	13.4	17.2	17.8	17.8	17.7	0.5	4.8	14.7					
37																
38	13.8	13.7	14.1	14	17.7	17.9	18	18.2	0.4	4.5	15					
39	13.5	13.3	13.4	13.5	17	17.1	17.5	17.4	0.2	4.2	14.5					
41	13.6	13.5	13.6	13.6	17.1	17.5	17.7	17.7	0.1	4.2	14.9					
42	13.4	13.3	13.4	13.4	17.5	17.7	17.8	18	0.1	4.7	14.4					
43	14	13.9	14.2	14	18.3	18.6	18.9	18.8	0.3	5	15.3					
44	13.6	13.6	13.7	13.7	17.5	18	18.3	18.2	0.1	4.7	14.9					
45																
46	13	12.9	13.1	13.1	18.2	18.4	18.7	18.5	0.2	5.8	15					
47	13.8	13.6	13.8	13.9	17	17.4	17.5	17.5	0.3	3.9	14.9	4.5000	0.9	0.7	48.8	74.8
48	14.2	13.9	13.9	14	18.5	19.2	19.1	19.3	0.3	5.4	14.5					
49	13.7	13.5	13.7	13.6	18.2	18.6	18.8	18.8	0.2	5.3	14.7					
50	13.9	13.6	13.6	13.6	17.6	18	18.2	18	0.3	4.6	14.2					
51	14	13.9	14.1	13.9	17.9	18.3	18.6	18.6	0.2	4.7	14.7					
52	14.4	14.2	14.5	14.5	18.6	18.8	18.9	19	0.3	4.8	14.1					
53	14.2	14.3	14.1	14.2	19	19.3	19.3	19.4	0.2	5.3	13.9					
54	15.1	15.1	15.1	15.1	19.4	19.7	19.8	19.7	0	4.7	14.6					
56	15.4	15.4	15.4	15.2	18.7	19.1	19.4	19.3	0.2	4.2	11.3	4.5001	0.9	0.6	50.2	74.7
57	15.3	15.3	15.3	15.1	19	19.4	19.4	19.6	0.2	4.5	13.9					
59	15.6	15.7	15.8	15.7	19.5	20	20	20	0.2	4.4	14.5					
60	15.5	15.2	15.5	15.2	19.6	20.1	20.3	20.2	0.3	5.1	14.4					
61	15.7	15.6	15.6	15.6	18.4	18.9	19.1	18.9	0.1	3.5	15.7					
62	15.6	15.3	15.5	15.4	19.8	20.2	20.3	20.5	0.3	5.2	14.9					
63	16.7	16.6	16.5	16.6	20.2	20.7	21	21.3	0.2	4.6	14.8					
64	16.1	16.1	16.2	16.1	20.4	20.5	20.9	20.9	0.1	4.8	14.8					
65	15.6	15.4	15.4	15.5	20.7	21.1	21.1	21.1	0.2	5.7	14.8					
67	16.8	17	16.8	16.7	21	21.3	21.6	21.5	0.3	4.9	14.4					
69	16.7	16.4	16.6	16.5	21	21.5	21.6	21.6	0.3	5.2	16.3					
70	17.5	17	17.1	17.2	20.8	21.7	21.7	21.7	0.5	4.7	15.7					
71	16.9	16.7	16.8	16.8	21	21.5	21.6	21.5	0.2	4.9	13.3					
72	16.9	16.5	16.7	16.7	21.9	22.4	22.6	22.9	0.4	6.4	15	4.5000	1.7	0.8	48.6	69.6
73	17.5	17.4	17.2	17.3	21.1	21.6	21.7	21.7	0.3	4.5	14.3					
76	17.6	17.6	17.3	17.3	20.7	21	21.3	21.3	0.3	4	14.7					
77	16.6	16.6	16.9	16.8	20.8	21.4	21.5	21.7	0.3	5.1	15.2					

6.6	6.6	6	6.3	All Channel Peak to Valley	
3 dB Adjacent Channel			Pass		

Testpoint: (TP10) 6465 Colfax Ave **Cascade:** Node **Node #:** AX192 **Tap Value:**
Testdate: 2/23/10 **Pole #:** **Print #:** C-3 **HE/Hub:** Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance											Aural Data		Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.						
temp	50	62	41	39												
time	10:40	16:40	22:40	4:40	Video	Video	Video	Video	1	5.5	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	14.9	14.6	14.8	14.8	18	18.2	18.3	18.3	0.3	3.7	16.8	4.5001	0.7	0.7	51.1	67.9
3	14.3	14.1	14.2	14.1	17	16.8	16.9	16.9	0.2	2.9	15.1					
4	14.4	14.3	14.3	14.4	17.3	17.1	17.1	17.1	0.1	3	16.2					
5	14	14	14.1	14.1	17.3	17.2	17.2	17.3	0.1	3.3	15.2					
6	14.9	14.8	14.9	14.9	17.1	17.1	16.8	17.1	0.1	2.3	15.8					
95																
14	14.7	14.9	14.9	15	16.4	16.3	16.3	16.4	0.3	1.7	12.9					
15	14.9	14.7	14.8	15	16.6	16.3	16.6	16.6	0.3	1.9	15.2					
16	15.2	14.9	15	15.1	16.8	16.7	16.9	17	0.3	2.1	15.6					
17	15.7	15.3	15.5	15.7	16.6	16.6	16.6	16.7	0.4	1.5	12.7					
18	16.3	16	16.2	16.3	17.4	17.3	17.5	17.5	0.3	1.5	14.6	4.5000	0.8	1.2	49.6	68.1
19					16.7	16.7	16.7	16.7		0						
20	15.3	15.1	15.3	15.3	17	17	17	17	0.2	1.9	14.8					
21																
22																
7	15	15.4	15.4	15.1	17.6	17.7	17.6	17.6	0.4	2.7	15.1					
8	15.3	15.2	15.2	15.2	18.4	18.4	18.4	18.4	0.1	3.2	15.3	4.5001	0.7	2	51.1	69.6
9	14.9	14.8	14.8	15	17.9	18	18	18	0.2	3.2	16.4					
10	15.2	15.1	15	15.3	17.7	17.7	17.9	17.7	0.3	2.9	15.1					
11	15	14.9	15.2	15.1	17.8	18.1	18.2	18.4	0.3	3.5	13.4	4.5000	0.8	1.2	50.6	69.1
12	15.1	15	14.9	15.1	17.8	17.8	17.8	17.8	0.2	2.9	14.8					
13	15.1	15.3	15.1	15.3	18	18	18.2	18.1	0.2	3.1	15.1					
23	15.4	15.3	15.3	15.3	18.1	18	17.9	18	0.1	2.8	14.4					
26	15.7	15.4	15.5	15.6	18.4	18.4	18.4	18.4	0.3	3	15.1					
27	16	15.8	16	15.8	18.3	18.4	18.4	18.4	0.2	2.6	15.1					
28	16.3	15.9	16.2	16	18.6	18.6	18.6	18.6	0.4	2.9	15.1	4.5000	0.8	0.9	51.2	69.9
29	15.8	15.6	15.8	15.6	18.6	18.7	18.8	18.6	0.3	3.2	15.3					
30	16.3	16.2	16	16.3	18.3	18.1	18.1	18.2	0.3	2.3	14.7					
31	15.6	15.6	15.7	15.8	17.8	17.7	17.7	17.7	0.2	2.1	14.7					
32	16.6	16.4	16.4	16.4	18.1	18	18.9	18.9	0.2	2.7	14.8	4.4999	0.7	1.3	51.4	71.3
33	16.4	16.3	16.4	16.2	18.1	18.3	18.2	18.3	0.2	2.1	14.6					
34	16.2	16.2	16.3	16.3	18.4	18.5	18.5	18.6	0.1	2.3	14.8					
35	16.2	16	16.3	16.2	18.6	18.9	18.9	18.9	0.3	2.9	15.4					
36	16.4	16.2	16.5	16.3	18.6	18.4	18.3	18.5	0.3	2.4	15.1					
37																
38	16.4	16.5	16.5	16.8	18.9	19	18.9	18.8	0.4	2.6	15.1					
39	16.6	16.5	16.4	16.6	18.6	18.5	18.6	18.6	0.2	2.2	14.8					
41	17.2	17.1	17.2	17.2	18.8	18.8	18.8	18.8	0.1	1.7	15.6					
42	16.6	16.8	16.7	16.6	18.2	18.3	18.4	18.3	0.2	1.8	15.2					
43	16.9	16.6	16.8	16.8	18.7	18.7	18.8	18.8	0.3	2.2	15.2					
44	17.4	17.2	17.3	17.4	18.8	18.8	18.7	18.8	0.2	1.5	15.6					
45																
46	16.9	16.9	16.9	16.9	18.7	18.9	18.9	18.9	0	2	15.1					
47	17.7	17.6	17.6	17.7	18.2	18.1	18.4	18.3	0.1	0.8	16	4.5000	0.8	1.1	50.5	69.8
48	16.9	16.8	16.8	17.1	18	18.1	18	18.2	0.3	1.4	15.2					
49	17	17.2	17	17.1	18	18.1	18	18	0.2	1.1	14.9					
50	17.5	17.4	17.7	17.6	18.4	18.3	18.5	18.5	0.3	1.1	14.5					
51	17.1	17.2	17.2	17.4	18.1	18.1	18.1	18.1	0.3	1	15.7					
52	17.3	17.1	17.4	17.3	15.8	15.9	15.9	15.7	0.3	1.7	15.2					
53	15.9	15.7	15.9	16.2	14.3	14.3	14.5	14.3	0.5	1.9	14.9					
54	14.9	14.7	15.2	15.7	15.7	15.8	15.7	15.7	1	1.1	15.9					
55	13.4	13.4	13	13.1	18.1	17.9	18.5	18.3	0.4	5.5	11.4	4.5001	1	0.8	51.7	71.3
57	14.8	15.1	14.5	14.6	19.3	19.4	19.4	19.4	0.6	4.9	12.9					
59	16.7	17	17	16.6	19	18.9	18.9	18.9	0.4	2.4	13.7					
60	17.8	18	18.1	18.1	18.9	19.8	19.7	19.6	0.3	2.1	15.1					
61	19	19.1	19	19	19.7	19.8	19.8	19.7	0.1	0.8	16					
62	19.1	19.1	19.2	19.3	20.1	20	20.3	20.3	0.2	1.2	15.5					
63	19.4	19.2	19.2	19.8	19.7	19.7	19.5	19.7	0.4	0.5	14.8					
64	19.3	19.3	19.5	19.8	19.9	19.9	19.9	20	0.3	0.7	15.1					
65	19.5	19.5	19.6	19.8	19.8	19.8	19.8	19.7	0.3	0.3	15.1					
67	20.3	20.4	20.6	20.8	20.7	20.9	20.9	20.8	0.5	0.6	15					
69	20.1	19.9	20.2	20.1	21.1	21.1	20.9	21	0.3	1.2	16					
70	21.5	21.1	21.5	21.7	20.8	20.8	20.8	20.9	0.6	0.9	16.5					
71	21	21.1	21.2	21.3	21	20.9	20.8	20.8	0.3	0.5	14.1					
72	21	20.8	21.1	21.1	22.1	22.1	22.3	22.2	0.3	1.5	16	4.5000	1.2	1.3	49.8	65.3
73	20.8	20.6	20.9	20.8	20.2	20.2	20.1	20.1	0.3	0.8	14.4					
76	21.5	21.6	21.6	21.8	20.9	21	20.9	21	0.3	0.9	15.3					
77	21	21	21	21.2	21	21	20.9	20.9	0.2	0.3	15.4					
	8.1	8.2	8.6	8.7	All Channel Peak to Valley											
	3 dB Adjacent Channel				Pass											

Testpoint: (TP11) 2357 N Early St. Cascade: Node Node # AX290 Tap Value:
Testdate: 2/17/10 Pole #: CD127 Print #: E-5 HE/Hub Alexandria

Comment Note

Visual Levels - 24 Hour and 6 Month Performance													Testpoint Score		100	PASS
	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data					
temp	64	33	32	33												
time	13:20	19:20	2:20	7:20	Video	Video	Video	Video	[illegible]	[illegible]	V/A Level	V/A Freq.		ICR		Coherent
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	Delta dBc	Delta MHz	Hum %	+/- dB	C/N dB	Distortion
2	19.8	20.1	20	20	24	24.2	24.3	24.3	0.3	4.5	16.7	4.5001	0.7	0.8	52.3	74.6
3	19.1	19.4	19.4	19.4	23.3	23.5	23.6	23.6	0.3	2.5	14.6					
4	19.4	19.6	19.6	19.7	23.8	23.9	23.9	24	0.3	3.6	16.5					
5	18.7	18.9	19	19	23.2	23.3	23.5	23.5	0.3	2.8	15					
6	19.1	19.3	19.5	19.2	22.7	22.7	22.9	23	0.4	3.9	14.9					
95																
14	19.1	19.3	19.3	19.4	21.3	21.4	21.7	21.7	0.3	2.6	12.5					
15	19.3	19.5	19.6	19.5	21.9	22.3	22.1	22.4	0.3	3.1	14.9					
16	19.1	19.2	19.2	19.2	21.8	22.2	22.3	22.5	0.1	3.4	14.6					
17	19.4	19.7	19.7	19.6	21.3	21.4	21.5	21.5	0.3	2.1	12.4					
[illegible]	19.5	19.5	19.5	19.5	22.6	23.1	23.1	23.4	0	3.9	15.8	4.5000	0.7	0.9	53.4	70.1
19					21.1	21.4	21.9	21.5		0.7						
20	19.3	19.4	19.5	19.4	21.8	22.1	22.2	22.3	0.2	3	14.7					
21																
22																
7	19.7	19.8	19.8	19.8	22.7	23.1	23.4	23.4	0.1	3.7	14.9					
8	19.6	19.9	20	19.8	22.8	23.2	23.2	23.2	0.4	3.3	15.2	4.5001	0.7	2	53.8	67.9
9	19.1	19.5	19.4	19.5	21.7	22.1	21.9	22.2	0.4	3.1	16.3					
10	19.3	19.6	19.7	19.6	22.6	23	23.2	23.2	0.4	3.9	14.5					
11	19.1	19.4	19.5	19.2	21.9	21.8	21.9	22.4	0.4	3.3	13	4.5000	0.6	0.9	52	70.4
12	19.2	19.5	19.5	19.3	22.7	22.8	23.1	23.1	0.3	3.9	14.6					
13	19.3	19.6	19.6	19.6	22.8	22.9	23.2	23.2	0.3	3.8	15					
23	19	19.2	19.1	19.1	21.6	21.6	22	22	0.2	3	13.5					
26	19.4	19.7	19.7	19.5	22.4	22.6	22.8	22.8	0.3	3.4	16.8					
27	19.1	19.2	19.4	19.3	22.3	22.8	23.2	23.1	0.3	4.1	14.3					
27	19.4	19.4	19.7	19.6	22.4	22.6	23.1	22.8	0.3	3.7	14.8	4.5000	0.7	1	52.9	78.6
29	19.3	19.5	19.7	19.6	22.8	23.4	23.4	23.7	0.4	4.4	15					
30	19.8	20	19.5	19.6	22.3	22.5	22.8	22.9	0.5	3.4	14					
31	19.3	19.3	19.3	19.3	21.7	21	23.2	23.9	0	4	14.1					
[illegible]	20.1	20.4	20.6	20.4	23.6	24	24.2	24.1	0.5	4.1	15	4.4999	0.6	1.1	53.5	71
33	19.7	20.3	20.1	20	22.1	22.5	22.7	22.6	0.4	3	14.4					
34	19.9	20	20.1	20.1	23.2	23.5	23.5	23.7	0.2	3.8	14.8					
35	19.4	19.6	19.8	19.4	22.3	22.6	23.1	22.9	0.4	3.7	15					
36	19.6	19.7	19.8	19.6	22.5	22.9	23.3	23.2	0.2	3.6	14.4					
37																
38	19.9	20.2	20.1	20.1	22.9	23	23.3	23.4	0.3	3.6	14.8					
39	19.6	19.7	19.8	19.7	23.2	23.3	23.7	23.7	0.2	4.1	14.4					
41	19.9	20.4	20.3	20.1	23	23.1	23.6	23.7	0.5	3.8	15.2					
42	19.4	19.6	19.8	19.6	23.3	23.4	24.2	24	0.4	4.8	14.8					
43	19.1	19.4	19.5	19.4	23.1	23.4	23.7	23.7	0.4	4.6	15.4					
44	19.2	19.5	19.5	19.5	23.3	23.6	23.8	23.8	0.3	4.6	15.3					
45																
46	18.7	19	19	18.9	23.2	23.4	23.7	23.8	0.3	5.1	14.4					
47	20	20.3	20.2	20.3	23.6	24	24	24.1	0.3	4.1	15.5	4.5000	0.6	0.9	53	67.5
48	19	19.1	19.2	19.2	23.5	24.1	23.9	24	0.2	5.1	14.4					
49	19.2	19.5	19.5	19.4	23.8	24	23.8	23.7	0.3	4.8	14.8					
50	19.7	19.9	19.8	19.8	23.7	23.8	24	23.9	0.2	4.3	14.5					
51	18.8	19	19	19	23.3	23.4	23.8	23.9	0.2	5.1	15					
52	18.8	18.9	19.1	19	23.4	23.3	23.6	23.7	0.3	4.9	14.5					
53	18.5	18.6	18.7	18.5	23.6	23.8	24.4	24	0.2	5.9	13.6					
54	18.8	18.9	18.9	18.9	23.8	24.1	24.4	24.4	0.1	5.6	14.5					
56	19.2	19.4	19.3	19.4	23.9	23.6	23.8	23.7	0.2	4.6	12	4.5001	0.7	0.8	52.9	67.9
57	18.5	18.5	18.5	18.5	23	24.1	24.3	24.2	0	5.6	14.3					
59	18.1	18.1	18.2	18.1	23.2	23.2	23	23	0.1	4.9	13.9					
60	18.3	18.2	18.3	18.1	23.6	23.8	23.9	24.1	0.2	6	14.6					
61	18.6	18.8	18.9	18.9	23.7	23.1	23.1	23.2	0.3	4.6	15.6					
62	18.7	18.8	18.7	18.7	23.8	24.1	24.4	24.4	0.1	5.7	14.8					
63	18.9	19.3	19.4	19.2	23.6	24.4	24.3	24.4	0.5	5.5	14.6					
64	18.9	19.1	19	19	23.9	24.4	24.5	24.4	0.2	5.6	14.9					
65	18.9	18.9	19	18.9	24.3	24.7	24.7	24.8	0.1	5.9	15.1					
67	19.2	19.2	19.2	19.2	24.3	24.4	24.7	24.7	0	5.6	14.6					
69	18.7	19	18.9	18.8	24.5	24.6	24.5	24.7	0.3	6	16.3					
70	19.3	19.6	19.7	19.7	24.2	24.6	24.7	24.8	0.4	5.5	15.8					
71	19.2	19.4	19.4	19.3	24.1	24.6	25	24.9	0.2	5.8	14.2					
[illegible]	18	18.9	18.3	18.3	25	25.5	26	25.6	0.3	8	15.2	4.5000	1.3	0.7	52.1	67.5
73	18.5	18.5	18.5	18.4	23.7	24	24.4	24.4	0.1	6	14					
76	18.8	19	19	18.9	23.7	24.2	24.6	24.3	0.2	5.8	14.6					
77	18.6	18.9	18.9	18.7	24.3	24.6	25	25	0.3	6.4	15.8					

2.1	2.3	2.4	2.3	All Channel Peak to Valley
3 dB Adjacent Channel				Pass

Testpoint: (TPHE) 3900 Wheeler Ave.
Testdate: 8/8/09

Cascade:
Pole #:

Node #:
Print #:

Tap Value: Test Point
HE/Hub: Alexandria
Comment Note:

Visual Levels - 24 Hour and 6 Month Performance

	Current Tests				Last Tests (6 months ago)				24 Hr	6 Mo.	Aural Data		Testpoint Score		100	PASS
temp	65	65	65	65												
time	0:01	6:01	12:01	18:01	Video	Video	Video	Video	0.5	0.5						
Ch.	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	dBmV	Variation	Variation	V/A Level Delta dBc	V/A Freq. Delta MHz	Hum %	ICR +/- dB	C/N dB	Coherent Distortion
[illegible]	12.3	12.1	12.2	12	12.3	12.1	12.2	12	0.3	0.3	16.4	4.5001	0.8	0.7	53.9	78.3
3	11.3	11.1	11.4	11.2	11.3	11.1	11.4	11.2	0.3	0.3	15					
4	11.5	11.4	11.5	11.6	11.5	11.4	11.5	11.6	0.2	0.2	16					
5	11.5	11.3	11.5	11.3	11.5	11.3	11.5	11.3	0.2	0.2	15.1					
6	11.6	11.8	11.4	11.7	11.6	11.8	11.4	11.7	0.4	0.4	15.2					
95																
14	11.2	11.1	11.3	11.3	11.2	11.1	11.3	11.3	0.2	0.2	12.5					
15	11.2	11.2	11.4	11.3	11.2	11.2	11.4	11.3	0.2	0.2	15.3					
16	11.4	11.4	11.3	11.2	11.4	11.4	11.3	11.2	0.2	0.2	15.1					
17	11.4	11.4	11.3	11.3	11.4	11.4	11.3	11.3	0.1	0.1	12.5					
18	11.8	11.8	11.7	11.8	11.8	11.8	11.7	11.8	0.1	0.1	14.3	4.5000	0.8	0.8	53	71.9
19	11.2	11.1	11.2	11	11.2	11.1	11.2	11	0.2	0.2	14.6					
20	11.3	11.3	11.2	11.3	11.3	11.3	11.2	11.3	0.1	0.1	14.8					
21																
22																
7	11.4	11.3	11.4	11.3	11.4	11.3	11.4	11.3	0.1	0.1	14.9					
8	11.6	11.6	11.6	11.4	11.6	11.6	11.6	11.4	0.2	0.2	15	4.5001	0.9	1.1	53.8	72.8
9	11.3	11.3	11.1	11.2	11.3	11.3	11.1	11.2	0.2	0.2	16.4					
10	11	11	11	10.9	11	11	11	10.9	0.1	0.1	14.1					
11	11.4	11.4	11.6	11.5	11.4	11.4	11.6	11.5	0.2	0.2	13	4.5000	0.7	0.7	52.6	72.7
12	11.2	11.1	11.1	11.1	11.2	11.1	11.1	11.1	0.1	0.1	14.7					
13	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	0	0	14.9					
23	10.8	10.7	10.7	10.8	10.8	10.7	10.7	10.8	0.1	0.1	14					
26	11.4	11.4	11.2	11.3	11.4	11.4	11.2	11.3	0.2	0.2	17					
27	11.3	11.3	11.1	11.2	11.3	11.3	11.1	11.2	0.2	0.2	14.7					
28	11.7	11.9	11.8	12	11.7	11.9	11.8	12	0.3	0.3	15.1	4.5000	0.9	0.7	53	74.8
29	11.5	11.4	11.4	11.3	11.5	11.4	11.4	11.3	0.2	0.2	15					
30	11.2	11.1	11.2	10.9	11.2	11.1	11.2	10.9	0.3	0.3	14.9					
31	11.3	11.2	11.2	11.2	11.3	11.2	11.2	11.2	0.1	0.1	14.5					
32	11.6	11.4	11.6	11.6	11.6	11.4	11.6	11.6	0.2	0.2	14.5	4.4999	0.6	0.6	52.7	73.1
33	11.1	11.1	11.2	11.1	11.1	11.1	11.2	11.1	0.1	0.1	14.9					
34	11.2	11.2	11.1	11	11.2	11.2	11.1	11	0.2	0.2	15					
35	10.9	10.8	10.8	10.7	10.9	10.8	10.8	10.7	0.2	0.2	14.9					
36	11.1	11.3	11.1	11.3	11.1	11.3	11.1	11.3	0.2	0.2	14.8					
37																
38	11	10.9	11	11.1	11	10.9	11	11.1	0.2	0.2	14.6					
39	10.6	10.7	10.6	10.6	10.6	10.7	10.6	10.6	0.1	0.1	14.4					
41	11.1	11.2	11.1	11.1	11.1	11.2	11.1	11.1	0.1	0.1	14.6					
42	11.2	10.9	11.1	10.9	11.2	10.9	11.1	10.9	0.3	0.3	15					
43	11.4	11.2	11.5	11.1	11.4	11.2	11.5	11.1	0.4	0.4	15.1					
44	11.2	11	11.3	11.1	11.2	11	11.3	11.1	0.3	0.3	15.2					
45																
46	11.2	11.6	11.6	11.5	11.2	11.6	11.6	11.5	0.4	0.4	14.5					
47	11	10.9	10.8	10.8	11	10.8	10.8	10.8	0.2	0.2	15.5	4.5000	0.7	0.8	52.3	67.8
48	11.2	11.1	11.1	11.3	11.2	11.1	11.1	11.3	0.2	0.2	14.7					
49	11.2	11	11.1	11.2	11.2	11	11.1	11.2	0.2	0.2	14.8					
50	11.6	11.3	11.4	11.4	11.6	11.3	11.4	11.4	0.3	0.3	14.9					
51	11.6	11.7	12	11.8	11.6	11.7	12	11.8	0.4	0.4	14.9					
52	11.3	11.2	11.4	11.3	11.3	11.2	11.4	11.3	0.2	0.2	14.4					
53	11.7	11.8	11.8	11.7	11.7	11.8	11.8	11.7	0.1	0.1	14.2					
54	11.7	11.6	11.8	11.8	11.7	11.6	11.8	11.8	0.2	0.2	14.8					
56	10.9	10.9	11.1	10.9	10.9	10.9	11.1	10.9	0.2	0.2	12.1	4.5001	0.4	0.9	52.4	71.4
57	11.5	11.7	11.6	11.5	11.5	11.7	11.6	11.5	0.2	0.2	14.7					
59	10.8	10.8	10.9	10.9	10.8	10.8	10.9	10.9	0.1	0.1	14.3					
60	11.1	11.1	10.6	10.9	11.1	11.1	10.6	10.9	0.5	0.5	15.2					
61	10.4	10.3	10.5	10.5	10.4	10.3	10.5	10.5	0.2	0.2	15.5					
62	10.9	11	10.7	10.8	10.9	11	10.7	10.8	0.3	0.3	15.5					
63	10.9	10.9	10.8	11	10.9	10.9	10.8	11	0.2	0.2	14.9					
64	10.8	11	11	10.8	10.8	11	11	10.8	0.2	0.2	14.7					
65	10.8	10.9	10.9	10.4	10.8	10.9	10.9	10.4	0.5	0.5	15.2					
67	10.9	11.1	11	11.1	10.9	11.1	11	11.1	0.2	0.2	14.6					
69	11.2	11.2	10.9	11.1	11.2	11.2	10.9	11.1	0.3	0.3	16.8					
70	10.9	10.8	10.8	10.9	10.9	10.8	10.8	10.9	0.1	0.1	15.9					
71	10.9	10.9	10.8	11	10.9	10.9	10.8	11	0.2	0.2	13.8					
[illegible]	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	0	0	16	4.5000	0.8	0.5	50.7	70.9
73	10.7	10.6	10.7	10.7	10.7	10.6	10.7	10.7	0.1	0.1	14.6					
76	10.6	10.5	10.5	10.5	10.6	10.5	10.5	10.5	0.1	0.1	15					
77	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	0	0	15.4					
	1.9	1.8	1.7	1.6	All Channel Peak to Valley											

3 dB Adjacent Channel: Pass

Chapter 10 – Summaries

Insert FamilyWare POP system summary in this section before narrative

Narrative

Channels 95,96,21,22,24,37,40,45,55,58,66,68,69,71,74,75,78 have been removed from the analog line up.

System:	**Alexandria**	
Test Series:	Winter 2010	
Test Period:	*Jan-Feb*	
Score:	*100.00*	

		notes:
Subscribers:	49,291	Jan-10
Analog Bandwidth:	750	50 Digital QAMs above 510 MHz
Testpoints:	12	11 Additional test locations and HE
Test Channels:	9	Channels 2,11,18,8,28,32,47,56,72
Hubs:	0	

Max Peak to Valley	13 dB	From FCC rules based on analog bandwidth
Baseband Converter	1	Enter 1 if baseband, 0 if Heterodyne

Headend:	Alexandria
Address:	3900 Wheeler Ave. Alexandria VA, 22304

Person Responsible:	Brandi Porras
Experience:	15 years CATV industry
Assisting:	

Test Equipment	**Model Number**	**Calibration Date**	**Serial Number**
HP 8591C Analyzer	AT2500RQ	9/4/2009	6563-0905
JDSU 5000	SDA-5000	12/1/2009	413408
Acterna SDA 4040	SDA-4040D	12/1/2009	4240089
JDSU 5000	SDA-5000	12/1/2009	9393142

Channel Carriage:	See file in FCC Public Inspection File
Test Procedures:	See file in FCC Public Inspection File
Terminal Isolation:	See file in FCC Public Inspection File
CLI:	See file in FCC Public Inspection File for Logs and Repairs
Flyover/320 Info:	Most recent flyover was 3/25/09 with a score of 100% (FCC)
EAS:	See file in FCC Public Inspection File

APPROVED BY OMB
3060-0433

FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

BASIC SIGNAL LEAKAGE PERFORMANCE REPORT
FORM 330

Approval Date: Apr 13, 2010 **Filing Year:** 2010 **Confirmation Number:**

SECTION I -- GENERAL INFORMATION

(1) Cable System Owner: COMCAST OF VIRGINIA INC
Phone Number: ( ) -
Address: ONE COMCAST CENTER
P.O. Box
PHILADELPHIA PA 19103
(City) (State) (Zip)

(2) Community Served: ALEXANDRIA

(3) Community Unit No.: VA0220

(4) Physical System Id: 004923

SECTION II -- LOCAL SYSTEM INFORMATION

(1) Person(s) Responsible for the Report:
Name: Smith Sheila
(Last) (First) (M)
Phone Number: (215) 286-7454
Address: One Comcast Center mill
Philadelphia PA 19103
(City) (State) (Zip)

(2) Are aeronautical frequencies (108-137 or 225-400 MHz) used by this cable television system? Yes

(3) TEST RESULTS: CLI: 10Log1oo: _____ 10Log13000: _____
Airspace:

SECTION III -- LEAKAGE PEFORMANCE CRITERIA

For operators conducting measurements on a geographical area that contains more than one Community Unit (e.g., headends that serve more than one Community Unit) fill in the measurement information below. NOTE: The submission of the accompanying exhibits, either B or C, may be incorporated by reference to another Community Unit filing that had undergone the same measurement tests as this community Unit. That Community Unit must be identified by its Community Unit Code Number in response to Question (2) or (4) below.

(1) GROUND-BASED MEASUREMENTS: (if used)

(a) Person(s) Responsible for the test:
Name:
(Last) (First) (M)
Phone Number: ( ) -

(b) Miles of plant tested and % of total plant tested: ____ m; ____ %

BASIC SIGNAL LEAKAGE PERFORMANCE REPORT

SECTION III – LEAKAGE PERFORMANCE CRITERIA
(Continued)

(c) Time period of the test: From: _____ (mm/dd/yy) To: _____ (mm/dd/yy)

(d) Equipment Used: _____ (Make) _____ (Model) _____ (Mhz) (Test Frequency)

(e) Attach as Exhibit B, the CLI calculations & Result including all parameters used. Identify in this Exhibit all leaks >= 50 uV/m, and show their repaired dates, if any...

(2) **AIRSPACE MEASUREMENTS:** (if used)

(a) Person(s)/Company Responsible for the test:

Name: Engineering (Last) MarTech (First) (M) 139.0000 (Mhz) (Test Frequency)

Phone Number: (904) 720-0082

(b) Time period of the test: From: 02/19/2010 (mm/dd/yy) To: 02/19/2010 (mm/dd/yy)

(c) Attach as Exhibit C, a full description of the test procedure, a list of the equipment used for the airspace measurement and a detailed description of the area covered by these airspace measurements (set forth in this Exhibit all leaks detected during these airspace measurements that were subsequently repaired and their repair dates, if any).

(d) Recorded data and its analysis:

(i) If analog recordings, include in Exhibit C a graph of the results and indicate the value of the smoothed out peak values 0 uV/m.

(ii) If digitized recordings, include in Exhibit C a plot of the results and indicate the % of points recorded digitally below 10 uV/m: 100.0000 %

SECTION IV – CERTIFICATION

By signing below the operator certifies that, in the case of an individual operator, he or she is not subject to a denial of federal benefits that include FCC benefits pursuant to section 5301 of the Anit-Drug Abuse Act of 1988, 21, U.S.C. 862, or, in the case of a non-individual operator (e.g., corporation, partnership or other unincorporated association), no party to the operator is subject to a denial of federal benefit that includes FCC benefits pursuant to that section. For the definition of a 'party' for these purposes, see 47 CFR, Section 1.2002(b).

I certify that I am Compliance Manager (Official Title) of COMCAST OF VIRGINIA INC (Legal Name of cable System Owner), that I have examined this report and that, to the best of my knowledge and belief, all statements in this report are true, correct and complete, and are made in good faith.

Signed: Signed on: 04/13/2010

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, §1001) AND /OR REVOCATION OF ANY STATION LICENSE (U.S. CODE, TITLE 47, §312(A)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

BASIC SIGNAL LEAKAGE PERFORMANCE REPORT

Page 3

Operator Comments

BASIC SIGNAL LEAKAGE PERFORMANCE REPORT

Community Units Included in this Report

CUID	Community Name	PSID
VA0220	ALEXANDRIA	004923

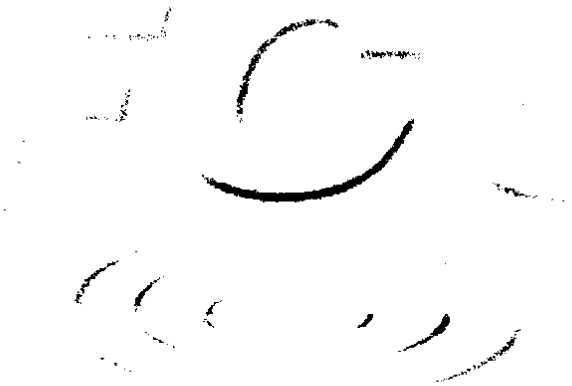
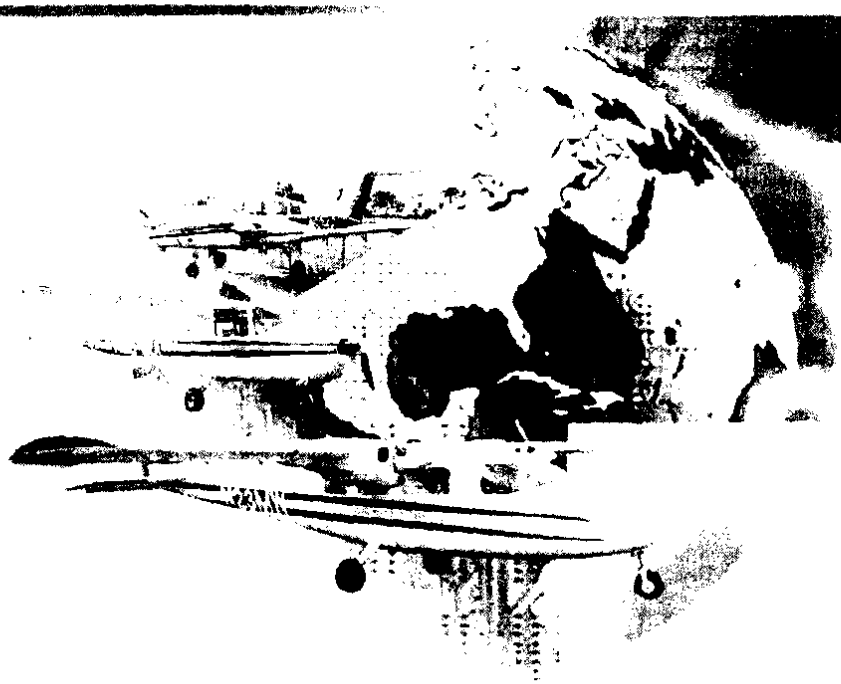


Exhibit A – Aeronautical Frequencies (MHz)

108.2750
115.2750
121.2625
127.2625
133.2625
229.2625
235.2625
241.2625
247.2625
253.2625
259.2625
265.2625
271.2625
277.2625
283.2625
289.2625
295.2625
301.2625
307.2625
313.2625
319.2625
325.2625
331.2750
337.2625
343.2625
349.2625
355.2625
361.2625
367.2625
373.2625
379.2625
385.2625
391.2625
397.2625



Fly-Over Report

Mar-Tech

Comcast Cable
ALEXANDRIA, VA
February 19, 2010

1432 St. Johns Bluff Road
Jacksonville, FL 32225
Tel: 904.720.0082
Fax: 904.641.2107
reports@martechengincering.net
www.martechengineering.net

Summary

System: Comcast Cable: ALEXANDRIA, VA

Test Date: February 19, 2010

A fly-over test for the system was performed to evaluate the system on the basis of signal leakage in the aeronautical band (108-140 MHz) as required by the F.C.C. (frequencies outside range will receive correction factor, see *Procedure* step 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, probability graph, 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	**0** 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	**642** points
5. Number of points > 10 uV/m	**0** points
6. Minimum leakage	**1.02** uV/m
7. Maximum leakage	**5.4** uV/m
8. Average field intensity	**2.16** uV/m
9. Percentage of points < 10 uV/m	**100** %

F.C.C. requirements status: PASSED

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 140 MHz.

Date: **February 19, 2010**
Time: **1:15 AM**
Frequency: **139.0000**MHz

2a. Apply Correction factor:

Frequencies above 140: (Data Sample) + 20 * log(f/140)
Frequencies below 108: (Data Sample) + 20 * log(f/108)

3. **Calibration of Receiver**

Establish signal generator input levels which will be used to calibrate AOR receiver. If calibration graph is not provided with the report, the calibration was performed at 3 feet above the ground. If calibration graph is provided with the report, the calibration was performed at 1,500 feet above ground level.

10 uV/m field (at 3 or 1,500 feet & **139.0000** MHz)

Convert uV/m to dBmV:

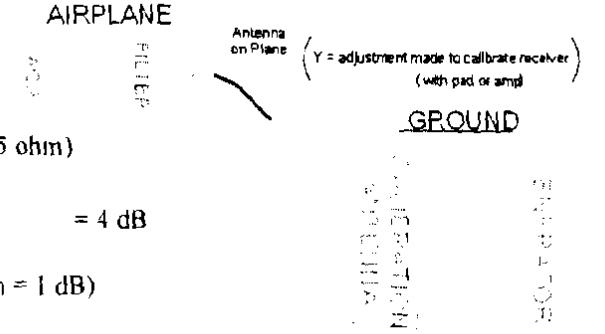
dBmV = 20 * log(E) - 20 * log(20.7 * f)
(where E = 10 uV/m and f = frequency in MHz)
= 20 - 20 * log(20.7 * **139.0000**)
= **-49.1797** dBmV

dBuV = **-49.1797** + 60 (dBuV = dBmV + 60)
(we increase this amount by a factor of 20 dB to increase our sensitivity)
dB = 20 * log(x/10) where x=100 uV/m or expected reading in receiver is 100 uV/m

dBuV = **10.8203** + 20 dB

Determine Free Space Loss:

FSL = -37.87 + 20 * log(f) + 20 * log(d)
f = frequency in MHz and d= distance feet
= -37.87 + 20 * log(**139.0000**) + 9.54
= **14.5303** dB



Determine Signal Level Input:

100 uV/m = (free space and cable loss)
– (dipole and reflector gain)
– (impedence mismatch: 50 ohm to 75 ohm)
+ (22 dB gain amp = input)

Cable and Filter Loss (from antenna to receiver) = 4 dB

Dipole gain = 0 dB at **139.0000** MHz
(reflector gain = 2 dB; impedence gain = 1 dB)

Free space loss = **14.5303** dB
dBuV = 22 dB - 4 dB - **14.5303** + 3 dB + X (where X = generator input)
30.8203 = (21 - **14.5303**) + X
X = **30.8203** - (21 - **14.5303**)
X = **24.3506** - 108.75 (the signal generator level to create an 100 uV/m leak at receiver)
X = **-84.3994** dBm (dBm = dBuV - 108.75)

Convert to millivolts:

mV = 10 (dBuV/20)
= **32.9253** uV

Procedure

4. Test signal level input of generator with signal level meter to insure accuracy.

5. **If using video carrier:**
   Flyover performed using channel **D** video carrier.

   If using modulated carrier:
   Insert generator to combining network at **139.0000** MHz.
   Measure signal level of channel **D** video carrier at headend trunk output test point with signal level meter.
   Set generator output one dB above measured channel **D** video carrier level.

6. 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 *Test Configuration*).

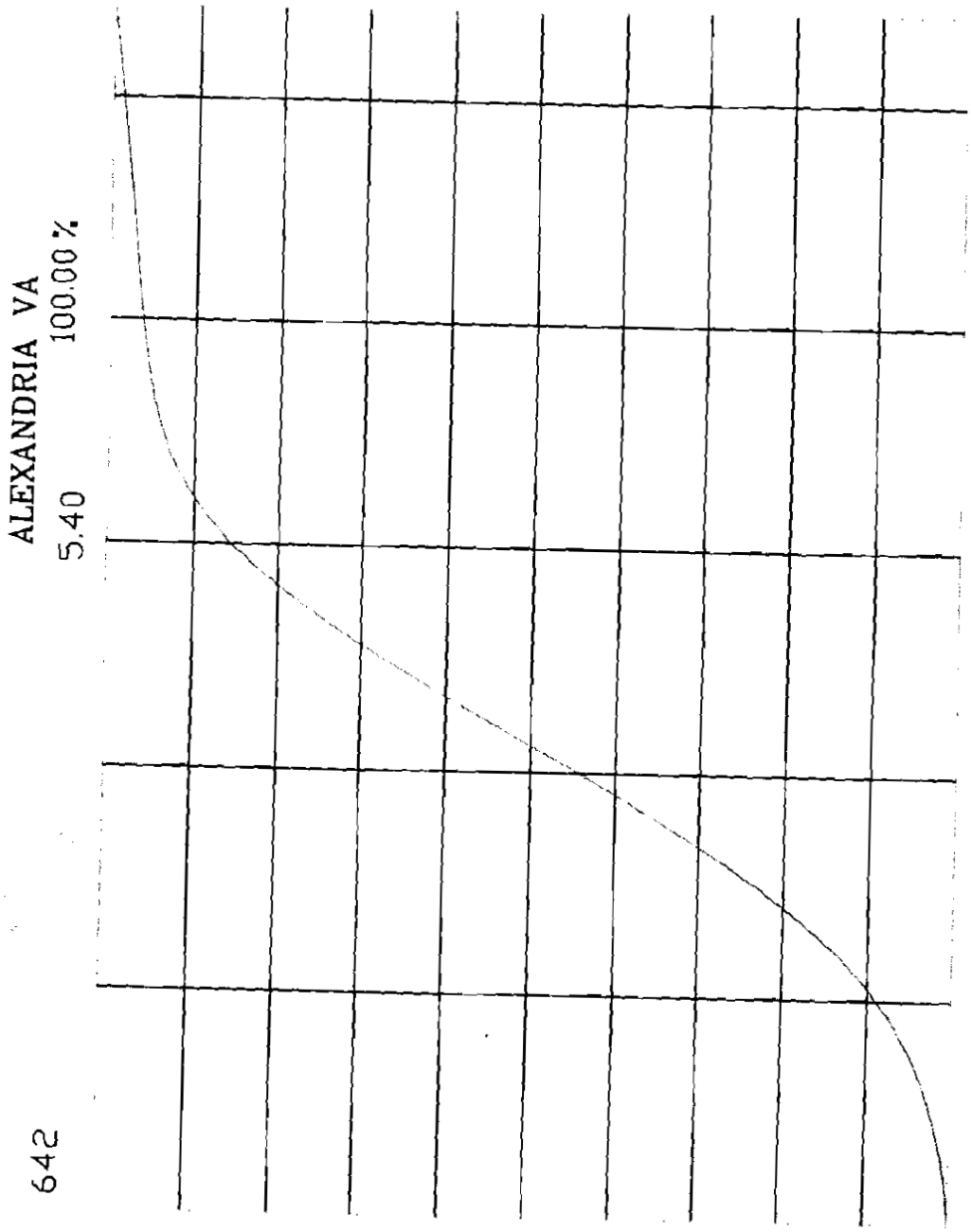
7. Using system boundary polygon, filter all data points outside of system using custom software.

8. Develop a frequency distribution graph (see Probability Graph) and a listing of all relative high readings.

9. Plot all leak levels on digitized map showing the exact locations of all relative high readings along with the flight pattern .

10. An Enhanced test is a test performed with a test level inserted 2 dB or higher than adjacent video carrier levels. To generate the FCC standard report, all test data is reduced utilizing the following formula:
    dB = 20 * log(x / 10).

Probability Graph



Relative High Readings

Center Point and Radius of System

Latitude = 38 48 55 ** Longitude = -77 5 13 ** Radius = 4.9738 Kilometer(s)

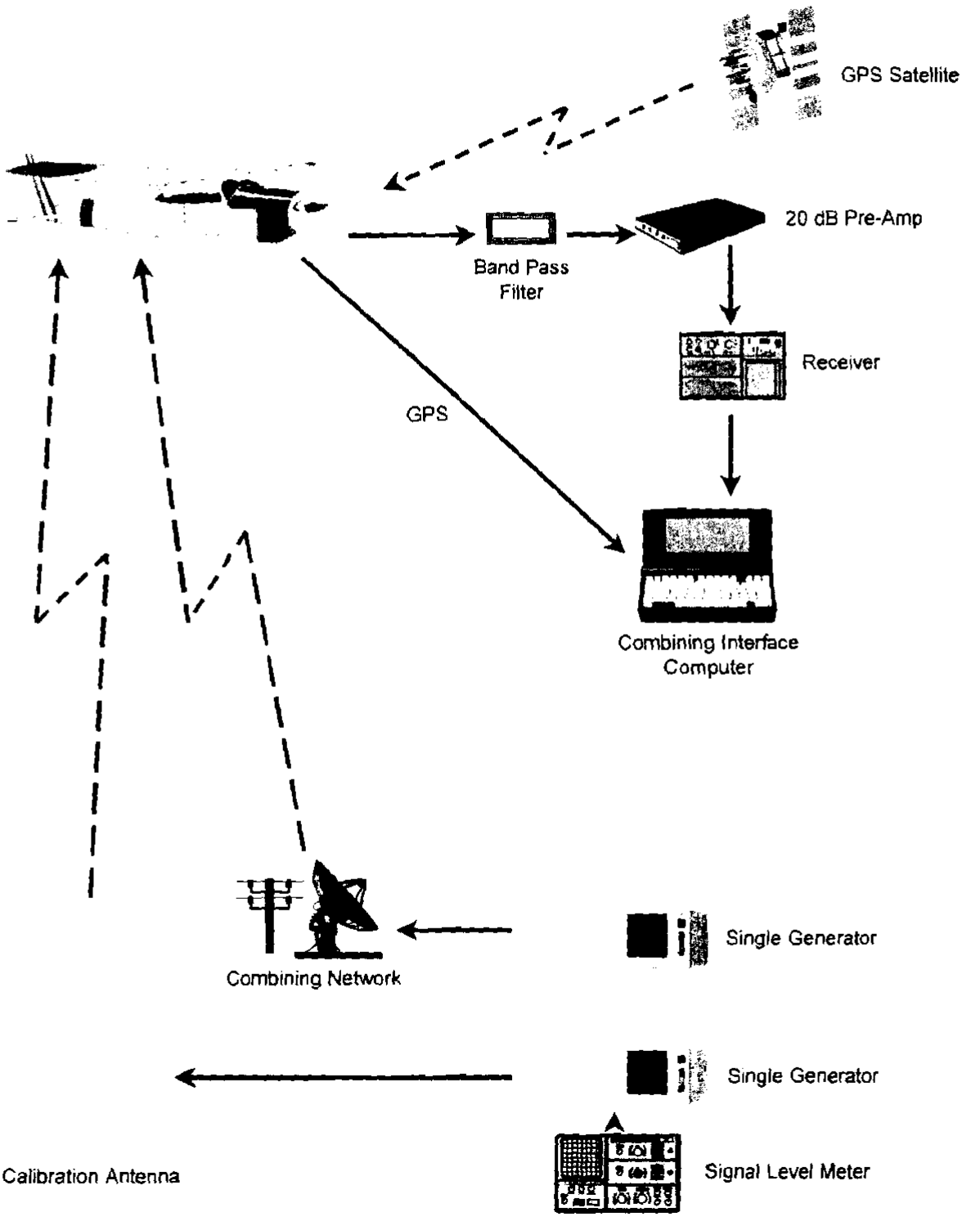
Relative high readings for ALEXANDRIA VA

Reference	uV/m	Longitude D M S	Latitude D M S	Longitude Decimal	Latitude Decimal
NO POINTS of 6 uV/m or ABOVE WERE FOUND!					

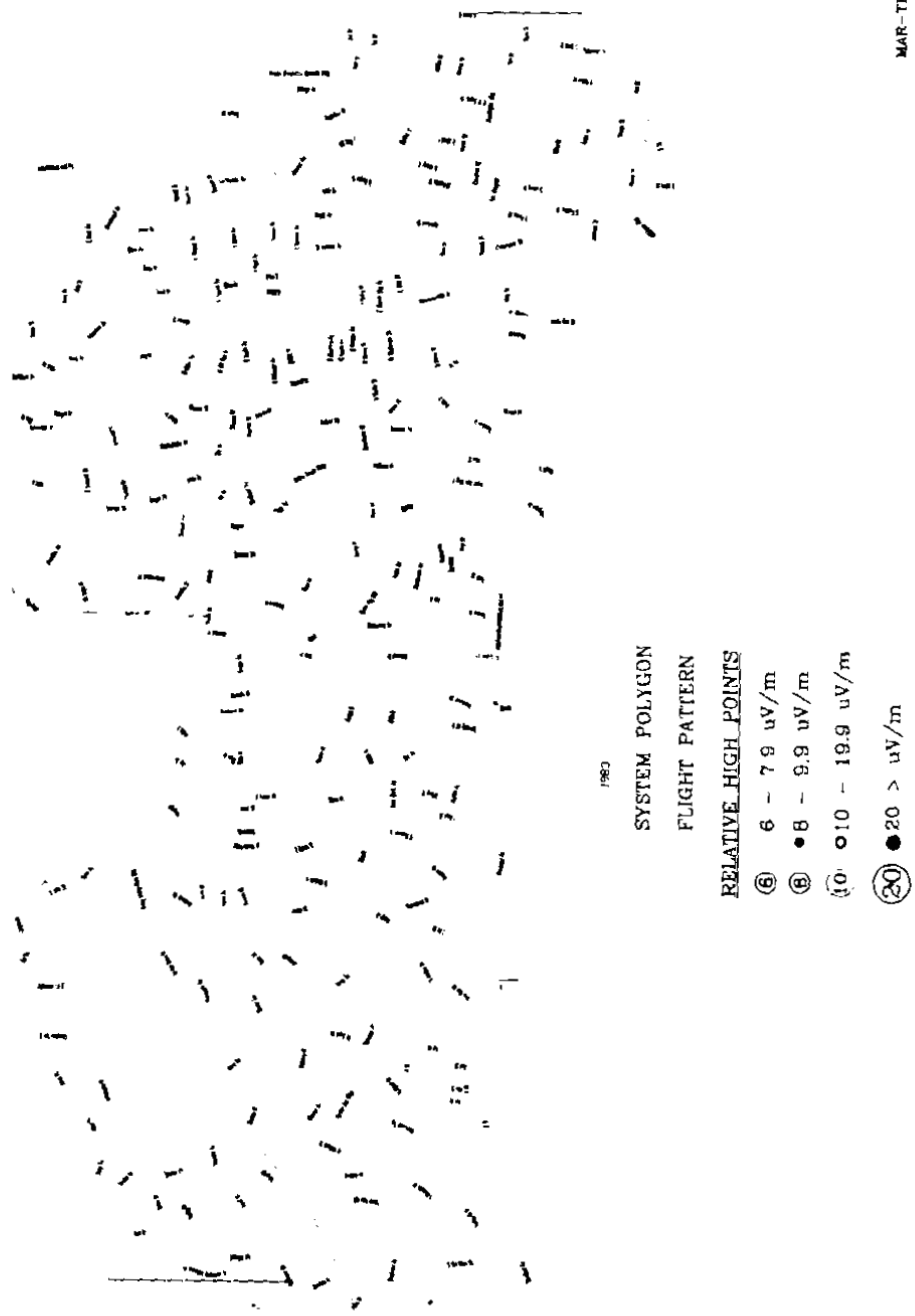
List of Equipment (Partial)

Equipment	Calibration
Aircraft	
Partenavia P69B	N/A
Cessna 210	N/A
Cessna T210	N/A
Beechcraft B76	N/A
Apollo 2001 GPS NMS	N/A
Leakage Detection Meters	
Wavetek CLM - 1000	Yearly
AOR AR - 1	Yearly
Signal Level Meters	
Wavetek SAM - 1550	Yearly
Wavetek SAM - 2000	Yearly
Frequency Synthesized Generators	
HP 8467 - A	Yearly
Wavetek - Model 2407	Yearly
Wavetek - Model 3000-200	Yearly
Interfacing Combining Equipment	
Band Pass Filter	N/A
20 dB Pre-Amp	N/A
28-13 DC Voltage Converter	N/A
Lindsay Airborne Dipole Antenna	N/A
Lindsay Calibration Dipole Antenna	N/A
Laptop Computers	N/A
Mar-Tech Custom Software For Collecting And Interpreting Data And Filtering Points Outside The Polygon (System Boundary)	N/A

Test Configuration



Map


MAR-TECH ENGINEERING
2/19/2010
SYSTEM POLYGON
FLIGHT PATTERN
RELATIVE HIGH POINTS
⑥ 6 - 7.9 uV/m
⑧ ●8 - 9.9 uV/m
⑩ ○10 - 19.9 uV/m
⑳ ●20 > uV/m

Summary of Service Calls
Third Quarter 2008
July, August, September

Month/Year	Jul-08	Aug-08	Sep-08		Avg Subs
Type of Problem	# of Calls	# of Calls	# of Calls	# of Calls	Avg %
Customer Equipment	486	644	594	1726	1.154
Converter Problem	638	603	647	1888	1.261
Tap to TV Set	573	706	689	1968	1.315
Distribution	0	2	0	2	0.001
Fiber	0	0	0	0	0.000
Headend	0	0	0	0	0.000
Other: cal, disco	336	547	421	1304	0.872
No trouble found/not home	559	733	577	1869	1.249
Total Calls	2592	3236	2928	8756	5.852
% of customer base	5.184	6.476	5.856		

Service Call Report
Alexandria

October-09

Number of Subscribers: 49,753

Type of Problem	# of Calls	% Subscriber Base
Customer Equipment:	132	0.27%
Customer Education	61	0.12%
Converter Problems:	410	0.84%
Tap to TV Set:	386	0.78%
Distribution:	31	0.06%
Fiber:	0	0.00%
Headend:	0	0.00%
Other: (cancellations, disconnects)	77	0.15%
No Problem Found & Not at Home	34	0.07%
Total Calls	**1131**	**2.27%**

November-09

Number of Subscribers: 49,699

Type of Problem	# of Calls	% Subscriber Base
Customer Equipment:	94	0.19%
Customer Education	57	0.11%
Converter Problems:	405	0.81%
Tap to TV Set:	467	0.94%
Distribution:	38	0.08%
Fiber:	0	0.00%
Headend:	0	0.00%
Other: (cancellations, disconnects)	74	0.15%
No Problem Found & Not at Home	32	0.06%
Total Calls	**1167**	**2.35%**

December-09

Number of Subscribers: 49,388

Type of Problem	# of Calls	% Subscriber Base
Customer Equipment:	77	0.16%
Customer Education	37	0.07%
Converter Problems:	299	0.61%
Tap to TV Set:	321	0.65%
Distribution:	27	0.05%
Fiber:	0	0.00%
Headend:	0	0.00%
Other: (cancellations, disconnects)	74	0.15%
No Problem Found & Not at Home	23	0.05%
Total Calls	**858**	**1.74%**

Service Call Report
Alexandria

January - 10

Number of Subscribers: 49,316

Type of Problem	# of Calls	% Subscriber Base
Customer Equipment:	68	0.13%
Customer Education	32	0.06%
Converter Problems:	240	0.48%
Tap to TV Set:	190	0.39%
Distribution:	181	0.36%
Fiber:	0	0.00%
Headend:	0	0.00%
Other: (cancellations, disconnects)	61	0.12%
No Problem Found & Not at Home	9	0.02%
Total Calls	**781**	**1.58%**

February - 10

Number of Subscribers: 49,414

Type of Problem	# of Calls	% Subscriber Base
Customer Equipment:	71	0.14%
Customer Education	42	0.09%
Converter Problems:	279	0.56%
Tap to TV Set:	194	0.39%
Distribution:	174	0.35%
Fiber:	0	0.00%
Headend:	0	0.00%
Other: (cancellations, disconnects)	69	0.14%
No Problem Found & Not at Home	11	0.02%
Total Calls	**840**	**1.70%**

March - 10

Number of Subscribers: 49,448

Type of Problem	# of Calls	% Subscriber Base
Customer Equipment:	105	0.21%
Customer Education	21	0.04%
Converter Problems:	524	1.06%
Tap to TV Set:	293	0.59%
Distribution:	291	0.59%
Fiber:	0	0.00%
Headend:	0	0.00%
Other: (cancellations, disconnects)	134	0.27%
No Problem Found & Not at Home	9	0.02%
Total Calls	**1377**	**2.79%**

Service Call Report
Alexandria

April - 10

Number of Subscribers: 49,198

Type of Problem	# of Calls	% Subscriber Base
Customer Equipment:	150	0.31%
Customer Education	51	0.11%
Converter/Remote Problems:	411	0.83%
Tap to TV Set:	271	0.55%
Distribution:	259	0.53%
Other: (disconnects, coding, ect.)	149	0.30%
No Problem Found & Not at Home	15	0.03%
Total Calls	1310	2.66%

May - 10

Number of Subscribers: 48,989

Type of Problem	# of Calls	% Subscriber Base
Customer Equipment:	111	0.23%
Customer Education	54	0.11%
Converter/Remote Problems:	419	0.86%
Tap to TV Set:	245	0.50%
Distribution:	117	0.24%
Other: (disconnects, coding, ect.)	201	0.41%
No Problem Found & Not at Home	8	0.02%
Total Calls	1156	2.36%

June - 10

Number of Subscribers: 48,974

Type of Problem	# of Calls	% Subscriber Base
Customer Equipment:	108	0.22%
Customer Education	54	0.11%
Converter/Remote Problems:	350	0.72%
Tap to TV Set:	247	0.50%
Distribution:	169	0.35%
Other: (disconnects, coding, ect.)	123	0.25%
No Problem Found & Not at Home	13	0.03%
Total Calls	1064	2.17%

Outage Report

The technical group has changed their process for reporting outages.
Outages are now reported using an automated system. Previously they were manually tracked. As a result the report reflects an increase in the number of outages that self corrected themselves, as the sensitivity of the monitoring system enables us to capture when the system identifies a node outage and when it corrects itself.

I've separated the commercial power outages to a separate spreadsheet, as this information is not pertinent to customer affecting outages. Battery backup in the nodes continues to support services for approximately 8 hours. Normal commercial outages last less than this period; however, if the outages extended past this point and there was a battery failure, the standard procedure would be to install a generator at the node, to power the services until commercial power is finally restored.

City of Alexandria
Third Quarter 2009
Outages

OE911688699	Alexandria	WHUT (PBS)	06-Jul-09	06-Jul-09	258612	788	Third Party	2129	Digital Program Supplier	0.24
OE911788853	Alexandria	WETA	14-Jul-09		258612	788	Third Party	2129	Digital Program Supplier	0.36
OE911588142	Alexandria	ICCW414MDB2	23-Jun-09	23-Jun-09	28	500	Application process failure	1698	VOID Hardware Rebooted	0.12
OE911681823	Alexandria	ICCW414MDB2	01-Jul-09	01-Jul-09	90	716	Capacity	1788	High Usage Subsided	0.62
OE911732189	Alexandria	ICCW414MDB2	08-Jul-09	08-Jul-09	75	716	Capacity	1793	High Usage Subsided	0.65
OE912276162	Alexandria	ICCW414MDB2	07-Sep-09	07-Sep-09	118	716	Capacity	2050	No Trouble Found	0.82
OE912972815	Alexandria	WTTG-HD	15-Aug-09	15-Aug-09	98332	160	Configuration Error	1698	Encoder Reconfigured	0.01
OE911683748	Alexandria	ESPN (Analog)	06-Aug-09	06-Aug-09	48851	714	Configuration Errors	2139	Cherry Picker Reconfigured	0.03
OE911641447	Alexandria	AX442	30-Jun-09	30-Jun-09	3	108	Emergency Maintenance	2332	Adjusted RF Level	0.00
OE911652866	Alexandria	AX153	01-Jul-09	01-Jul-09	2	108	Emergency Maintenance	2332	Adjusted RF Level	0.01
OE912269536	Alexandria	AX413	09-Sep-09	09-Sep-09	16	108	Emergency Maintenance	2330	Repaired	0.09
OE912269538	Alexandria	AX413	09-Sep-09	09-Sep-09	16	108	Emergency Maintenance	2330	Repaired	0.09
OE912269541	Alexandria	AX413	09-Sep-09	09-Sep-09	16	108	Emergency Maintenance	2330	Repaired	0.09
OE912269544	Alexandria	AX413	09-Sep-09	09-Sep-09	16	108	Emergency Maintenance	2330	Repaired	0.09
OE911571678	Alexandria	AX332	23-Jun-09	23-Jun-09	28	108	Emergency Maintenance	2267	Tap/Face Plate	0.01
OE911591423	Alexandria	AX486	16-Jun-09	16-Jun-09	56	116	Equipment Adjustment	2332	Adjusted RF Level	0.17
OE911631491	Alexandria	AX201	29-Jun-09	29-Jun-09	7	116	Equipment Adjustment	2332	Adjusted RF Level	0.05
OE911649453	Alexandria	AX313	30-Jun-09	30-Jun-09	84	116	Equipment Adjustment	2332	Adjusted RF Level	0.02
OE911664424	Alexandria	AX144	22-Jul-09	22-Jul-09	78	116	Equipment Adjustment	2332	Adjusted RF Level	0.14
OE912212887	Alexandria	AX669	31-Aug-09	31-Aug-09	8	116	Equipment Adjustment	2332	Adjusted RF Level	0.02
OE912269539	Alexandria	AX669	09-Sep-09	09-Sep-09	25	116	Equipment Adjustment	2332	Adjusted RF Level	0.03
OE912324313	Alexandria	AX662	12-Sep-09	12-Sep-09	26	116	Equipment Adjustment	2332	Adjusted RF Level	0.05
OE912326373	Alexandria	AX662	13-Sep-09	13-Sep-09	11	116	Equipment Adjustment	2332	Adjusted RF Level	0.04
OE912326891	Alexandria	AX662	13-Sep-09	13-Sep-09	14	116	Equipment Adjustment	2332	Adjusted RF Level	0.06
OE912326898	Alexandria	AX679	13-Sep-09	13-Sep-09	72	116	Equipment Adjustment	2332	Adjusted RF Level	0.06
OE912326799	Alexandria	AX680	13-Sep-09	13-Sep-09	126	116	Equipment Adjustment	2332	Adjusted RF Level	0.06
OE912326781	Alexandria	AX686	13-Sep-09	13-Sep-09	59	116	Equipment Adjustment	2332	Adjusted RF Level	0.05
OE912427469	Alexandria	AX676	24-Sep-09	24-Sep-09	14	116	Equipment Adjustment	2332	Adjusted RF Level	0.12
OE912427634	Alexandria	AX677	24-Sep-09	24-Sep-09	31	116	Equipment Adjustment	2332	Adjusted RF Level	0.24
OE912084856	Alexandria	AX286	18-Aug-09	18-Aug-09	116	116	Equipment Adjustment	2048	Alarm Self Cleared	0.01
OE911631040	Alexandria	AX693	30-Jul-09	30-Jul-09	34	116	Equipment Adjustment	2348	Batteries Replaced	0.04
OE911641656	Alexandria	AX693	30-Jun-09	30-Jun-09	27	116	Equipment Adjustment	2359	Connector	0.06
OE911668443	Alexandria	AX166	07-Jul-09	07-Jul-09	5	116	Equipment Adjustment	2359	Connector	0.03
OE911668585	Alexandria	AX484	07-Jul-09	07-Jul-09	142	116	Equipment Adjustment	2359	Connector	0.08

City of Alexandria
Third Quarter 2009
Outages

QE012153662	Alexandria	AX143	24-Aug-09	24-Aug-09	34	116	Equipment Adjustment	2309	Connector	0.91
QE012166662	Alexandria	AX095	27-Aug-09	27-Aug-09	15	116	Equipment Adjustment	2309	Connector	0.94
QE011635879	Alexandria	AX145	29-Jun-09	29-Jun-09	156	116	Equipment Adjustment	7212	Corrected Power/Light Levels	0.02
QE012666646	Alexandria	AX285	17-Aug-09	17-Aug-09	7	116	Equipment Adjustment	7212	Corrected Power/Light Levels	0.03
QE012378177	Alexandria	AX226	10-Sep-09	10-Sep-09	5	116	Equipment Adjustment	7212	Corrected Power/Light Levels	0.02
QE011657750	Alexandria	AX259	22-Jun-09	22-Jun-09	352	116	Equipment Adjustment	2153	Equipment Repaired	0.12
QE011703356	Alexandria	AX494	07-Jul-09	07-Jul-09	162	116	Equipment Adjustment	2209	Fiber Transmitter	0.09
QE012327146	Alexandria	AX662	13-Sep-09	13-Sep-09	66	116	Equipment Adjustment	2209	Fiber Transmitter	0.06
QE012327164	Alexandria	AX679	13-Sep-09	13-Sep-09	91	116	Equipment Adjustment	2209	Fiber Transmitter	0.06
QE012327165	Alexandria	AX699	13-Sep-09	13-Sep-09	147	116	Equipment Adjustment	2209	Fiber Transmitter	0.06
QE012327167	Alexandria	AX681	13-Sep-09	13-Sep-09	117	116	Equipment Adjustment	2209	Fiber Transmitter	0.06
QE012327168	Alexandria	AX696	13-Sep-09	13-Sep-09	66	116	Equipment Adjustment	2209	Fiber Transmitter	0.06
QE011666669	Alexandria	AX467	24-Jul-09	24-Jul-09	94	116	Equipment Adjustment	2334	Fuse	0.03
QE011742239	Alexandria	AX259	11-Jul-09	11-Jul-09	387	116	Equipment Adjustment	2342	Fuse/Breaker	0.05
QE011743499	Alexandria	AX259	11-Jul-09	11-Jul-09	387	116	Equipment Adjustment	2342	Fuse/Breaker	0.02
QE011658135	Alexandria	AX467	23-Jul-09	23-Jul-09	90	116	Equipment Adjustment	2342	Fuse/Breaker	0.02
QE011978241	Alexandria	AX483	05-Aug-09	05-Aug-09	27	116	Equipment Adjustment	2342	Fuse/Breaker	0.05
QE011978247	Alexandria	AX479	05-Aug-09	05-Aug-09	41	116	Equipment Adjustment	2342	Fuse/Breaker	0.05
QE012336666	Alexandria	AX081	14-Sep-09	14-Sep-09	80	116	Equipment Adjustment	2341	Fuse/Breaker	0.07
QE012164664	Alexandria	AX174	27-Aug-09	27-Aug-09	99	116	Equipment Adjustment	2333	Power Pack	0.08
QE012164666	Alexandria	AX172	27-Aug-09	27-Aug-09	174	116	Equipment Adjustment	2333	Power Pack	0.08
QE011514634	Alexandria	AX017	17-Jun-09	17-Jun-09	223	116	Equipment Adjustment	2330	Repaired	0.11
QE011666178	Alexandria	AX395	24-Jun-09	24-Jun-09	30	116	Equipment Adjustment	2330	Repaired	0.04
QE011611615	Alexandria	AX536	26-Jun-09	26-Jun-09	267	116	Equipment Adjustment	2330	Repaired	0.03
QE011666666	Alexandria	AX666	02-Jul-09	02-Jul-09	40	116	Equipment Adjustment	2330	Repaired	0.05
QE011666749	Alexandria	AX172	06-Jul-09	06-Jul-09	179	116	Equipment Adjustment	2330	Repaired	0.04
QE011666536	Alexandria	AX174	06-Jul-09	06-Jul-09	149	116	Equipment Adjustment	2349	Repaired	0.03
QE011710523	Alexandria	AX467	09-Jul-09	09-Jul-09	58	116	Equipment Adjustment	2330	Repaired	0.09
QE011666776	Alexandria	AX162	24-Jul-09	24-Jul-09	188	116	Equipment Adjustment	2330	Repaired	0.02
QE011666766	Alexandria	AX161	24-Jul-09	24-Jul-09	184	116	Equipment Adjustment	2330	Repaired	0.02
QE011666765	Alexandria	AX153	24-Jul-09	24-Jul-09	22	116	Equipment Adjustment	2330	Repaired	0.02
QE011666765	Alexandria	AX667	24-Jul-09	24-Jul-09	56	116	Equipment Adjustment	2330	Repaired	0.02
QE012236614	Alexandria	AX569	01-Sep-09	01-Sep-09	46	116	Equipment Adjustment	2330	Repaired	0.03
QE012136634	Alexandria	AX269	22-Aug-09	22-Aug-09	6	116	Equipment Adjustment	2362	Repaired Under Ground Coax	0.08
QE011469665	Alexandria	AX513	15-Jun-09	15-Jun-09	39	116	Equipment Adjustment	2363	Damaged Coax	0.33

City of Alexandria
Third Quarter 2009
Outages

QE912386373	Alexandria	AX382	10-Sep-09	10-Sep-09	44	116	Equipment Adjustment	2363	Damaged Coax	0.04
QE911886486	Alexandria	AX861	22-Jun-09	22-Jun-09	382	116	Equipment Adjustment	2331	Replaced	0.09
QE911886489	Alexandria	AX878	22-Jun-09	22-Jun-09	13	116	Equipment Adjustment	2331	Replaced	0.09
QE911817843	Alexandria	AX461	19-Jul-09	19-Jul-09	23	116	Equipment Adjustment	2301	Replaced	0.06
QE912163386	Alexandria	AX526	25-Aug-09	25-Aug-09	391	116	Equipment Adjustment	2341	Replaced	0.09
QE912163387	Alexandria	AX527	25-Aug-09	25-Aug-09	52	116	Equipment Adjustment	2341	Replaced	0.09
QE912163648	Alexandria	AX823	25-Aug-09	25-Aug-09	243	116	Equipment Adjustment	2341	Replaced	0.07
QE912163676	Alexandria	AX522	25-Aug-09	25-Aug-09	28	116	Equipment Adjustment	2341	Replaced	0.07
QE912163644	Alexandria	AX525	25-Aug-09	25-Aug-09	23	116	Equipment Adjustment	2341	Replaced	0.04
QE912146323	Alexandria	SHOP	24-Aug-09	24-Aug-09	38754	116	Equipment Adjustment	2186	Reset Equipment	0.09
QE911488866	Alexandria	AX484	06-Jul-09	06-Jul-09	162	116	Equipment Adjustment	2788	RF Attenuator (PAD)	0.05
QE911513331	Alexandria	AX826	17-Jun-09	17-Jun-09	110	116	Equipment Adjustment	2336	Umbilical Cord	0.15
QE911728432	Alexandria	AX868	08-Jul-09	08-Jul-09	49	116	Equipment Adjustment	1856	Unplanned outage resulted	0.07
QE911488467	Alexandria	AX181	16-Jun-09	16-Jun-09	24	117	Equipment Failure	2332	Adjusted RF Level	0.07
QE911488827	Alexandria	AX184	16-Jun-09	16-Jun-09	33	117	Equipment Failure	2332	Adjusted RF Level	0.12
QE911484488	Alexandria	AX238	06-Jul-09	06-Jul-09	21	117	Equipment Failure	2332	Adjusted RF Level	0.09
QE912813464	Alexandria	AX247	19-Aug-09	19-Aug-09	15	117	Equipment Failure	2332	Adjusted RF Level	0.02
QE912813821	Alexandria	AX247	19-Aug-09	19-Aug-09	61	117	Equipment Failure	2332	Adjusted RF Level	0.02
QE911846886	Alexandria	AX312	31-Jul-09	31-Jul-09	9	117	Equipment Failure	2360	Connector	0.04
QE912338321	Alexandria	AX384	14-Sep-09	14-Sep-09	19	117	Equipment Failure	2360	Connector	0.03
QE912338773	Alexandria	AX135	15-Sep-09	15-Sep-09	11	117	Equipment Failure	2360	Connector	0.02
QE912338884	Alexandria	AX132	14-Sep-09	15-Sep-09	24	117	Equipment Failure	2381	DC/Splitter - Replaced	0.11
QE911881888	Alexandria	AX888	01-Jul-09	02-Jul-09	42	117	Equipment Failure	2342	Fuse/Breaker	0.07
QE911881853	Alexandria	AX881	01-Jul-09	02-Jul-09	5	117	Equipment Failure	2342	Fuse/Breaker	0.05
QE912162588	Alexandria	AX388	27-Aug-09	27-Aug-09	183	117	Equipment Failure	2342	Fuse/Breaker	0.05
QE911832222	Alexandria	AX382	30-Jul-09	31-Jul-09	28	117	Equipment Failure	2346	Inverter	0.05
QE911888616	Alexandria	AX186	16-Jun-09	16-Jun-09	123	117	Equipment Failure	2330	Repaired	0.10
QE911887878	Alexandria	AX185	16-Jun-09	16-Jun-09	31	117	Equipment Failure	2330	Repaired	0.10
QE911888821	Alexandria	AX184	16-Jun-09	16-Jun-09	48	117	Equipment Failure	2330	Repaired	0.18
QE911488162	Alexandria	AX181	16-Jun-09	16-Jun-09	28	117	Equipment Failure	2330	Repaired	0.25
QE911488882	Alexandria	AX484	02-Jul-09	02-Jul-09	138	117	Equipment Failure	2330	Repaired	0.04
QE911818881	Alexandria	AX148	27-Jun-09	27-Jun-09	68	117	Equipment Failure	2341	Replaced	0.06
QE911732384	Alexandria	AX481	08-Jul-09	10-Jul-09	183	117	Equipment Failure	2341	Replaced	0.05
QE911733488	Alexandria	AX482	09-Jul-09	10-Jul-09	8	117	Equipment Failure	2341	Replaced	0.02
QE911734889	Alexandria	AX435	10-Jul-09	10-Jul-09	143	117	Equipment Failure	2341	Replaced	0.05

City of Alexandria
Third Quarter 2009
Outages

OE911798844	Alexandria	AX436	16-Jul-09	16-Jul-09	146	117	Equipment Failure	2341	Replaced	0.25
OE912284889	Alexandria	AX466	09-Sep-09	09-Sep-09	92	117	Equipment Failure	2391	Replaced	0.12
OE912286221	Alexandria	AX463	09-Sep-09	09-Sep-09	5	117	Equipment Failure	2391	Replaced	0.09
OE911736836	Alexandria	AX519	16-Jul-09	16-Jul-09	5	117	Equipment Failure	2389	Tap	0.01
OE911491648	Alexandria	WLLA-DTHD	15-Jun-09	15-Jun-09	17823	783	Equipment Failure-Hardware	2139	Cherry Picker Reconfigured	0.31
OE911488889	Alexandria	WDCW Counts	14-Jun-09	14-Jun-09	288812	783	Equipment Failure-Hardware	2121	Digital Equipment Repaired	0.27
OE911788143	Alexandria	NOVA Counts	12-Jul-09	13-Jul-09	98561	783	Equipment Failure-Hardware	2121	Digital Equipment Repaired	0.19
OE912184231	Alexandria	EWTN ESP	25-Aug-09	25-Aug-09	81835	783	Equipment Failure-Hardware	2127	DM-6400	0.03
OE912278883	Alexandria	WTTG HD (Fox)	07-Sep-09	07-Sep-09	98332	783	Equipment Failure-Hardware	2127	DM-6400	0.02
OE912361575	Alexandria	ICCWH1MDS2	14-Sep-09	14-Sep-09	60	783	Equipment Failure-Hardware	2134	Edge QAM - MQAM	0.01
OE911500285	Alexandria	AX134	16-Jun-09	16-Jun-09	37	783	Equipment Failure-Hardware	2153	Equipment Repaired	0.05
OE911611471	Alexandria	AX391	26-Jun-09	26-Jun-09	75	783	Equipment Failure-Hardware	2153	Equipment Repaired	0.04
OE911611611	Alexandria	AX396	26-Jun-09	26-Jun-09	18	783	Equipment Failure-Hardware	2153	Equipment Repaired	0.02
OE911615888	Alexandria	AX134	17-Jun-09	17-Jun-09	37	783	Equipment Failure-Hardware	2154	Equipment Replaced	0.03
OE911783565	Alexandria	AX163	15-Jul-09	15-Jul-09	35	783	Equipment Failure-Hardware	2154	Equipment Replaced	0.40
OE911783568	Alexandria	AX168	15-Jul-09	15-Jul-09	35	783	Equipment Failure-Hardware	2154	Equipment Replaced	0.06
OE911488122	Alexandria	WTTG HD	14-Jun-09	14-Jun-09	98561	783	Equipment Failure-Hardware	2123	RECONFIGURED	0.06
OE911716913	Alexandria	AX443	08-Jul-09	08-Jul-09	5	149	Equipment Failure-Hardware	2949	Reset Component	0.09
OE911736314	Alexandria	ICCWH1MDS2	10-Jul-09	10-Jul-09	65	783	Equipment Failure-Hardware	1690	VOD Hardware Rebooted	0.02
OE911848724	Alexandria	ICCWH1MDS2	22-Jul-09	22-Jul-09	382	783	Equipment Failure-Hardware	1691	VOD Hardware Replaced	0.03
OE911757884	Alexandria	News Channel 8	13-Jul-09	13-Jul-09	178384	784	Equipment Failure-Software	2161	Analog Equipment Repaired	0.07
OE911858815	Alexandria	CNN HD	02-Aug-09	02-Aug-09	49870	784	Equipment Failure-Software	2127	DM-6400	0.03
OE912334878	Alexandria	CSPAN 2	14-Sep-09	14-Sep-09	251823	784	Equipment Failure-Software	1999	Encoder Reconfigured	0.02
OE911717987	Alexandria	AX464	08-Jul-09	08-Jul-09	162	784	Equipment Failure-Software	2156	Reset Equipment	0.03
OE911882726	Alexandria	ICCWH1MDS2	28-Jul-09	28-Jul-09	42	784	Equipment Failure-Software	1692	VOD Software Repaired	0.07
OE912277827	Alexandria	ICCWH1MDS2	08-Sep-09	08-Sep-09	132	784	Equipment Failure-Software	1692	VOD Software Repaired	0.02
OE912282248	Alexandria	10.10.161.14	08-Sep-09	08-Sep-09	534	784	Equipment Failure-Software	1692	VOD Software Repaired	0.01
OE912284246	Alexandria	ICCWH1MDS2	10-Sep-09	10-Sep-09	38	784	Equipment Failure-Software	1693	VOD Software Upgraded	0.03
OE911888746	Alexandria	ICCWH1MDS2	04-Aug-09	04-Aug-09	72	982	Failed/Degraded Hardware	1691	VOD Hardware Replaced	0.02
OE911888889	Alexandria	AX628	07-Aug-09	07-Aug-09	89	169	Fiber/Coaxial/Plant Damage	2364	Installed Temporary Cable	0.05
OE911916362	Alexandria	AX313	29-Jul-09	29-Jul-09	107	169	Fiber/Coaxial/Plant Damage	2258	Optical Connector	0.16
OE911916728	Alexandria	AX311	29-Jul-09	29-Jul-09	14	169	Fiber/Coaxial/Plant Damage	2258	Optical Connector	0.13
OE911889179	Alexandria	AX469	29-Jul-09	29-Jul-09	14	169	Fiber/Coaxial/Plant Damage	2258	Optical Connector	0.12
OE911539886	Alexandria	AX432	16-Jun-09	16-Jun-09	38	169	Fiber/Coaxial/Plant Damage	2363	Damaged Coax	0.05
OE911571283	Alexandria	AX435	23-Jun-09	23-Jun-09	20	169	Fiber/Coaxial/Plant Damage	2363	Damaged Coax	0.04

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OE0116182668	Alexandria	AX485	27-Jun-09	27-Jun-09	36	169	Fiber/Conduit/Plant Damage	2353	Damaged Conx	0.13
OE0117842208	Alexandria	AX437	16-Jul-09	16-Jul-09	49	169	Fiber/Conduit/Plant Damage	2353	Damaged Conx	0.12
OE0119827782	Alexandria	AX475	30-Jul-09	30-Jul-09	8	169	Fiber/Conduit/Plant Damage	2353	Damaged Conx	0.02
OE0119842385	Alexandria	AX680	04-Aug-09	04-Aug-09	14	169	Fiber/Conduit/Plant Damage	2353	Damaged Conx	0.04
OE0121377699	Alexandria	AX436	22-Aug-09	22-Aug-09	11	169	Fiber/Conduit/Plant Damage	2353	Damaged Conx	0.03
OE0122237866	Alexandria	AX382	02-Sep-09	02-Sep-09	47	169	Fiber/Conduit/Plant Damage	2353	Damaged Conx	0.12
OE0122437857	Alexandria	AX382	02-Sep-09	02-Sep-09	51	169	Fiber/Conduit/Plant Damage	2353	Damaged Conx	0.06
OE0122882056	Alexandria	AX382	04-Sep-09	04-Sep-09	45	169	Fiber/Conduit/Plant Damage	2353	Damaged Conx	0.06
OE0124882553	Alexandria	AX680	22-Sep-09	22-Sep-09	11	169	Fiber/Conduit/Plant Damage	2353	Damaged Conx	0.14
OE0116868342	Alexandria	LOV-E	27-Jul-09	27-Jul-09	81884	796	Hardware/Software	1687	Encoder Rebooted	0.02
OE0116868982	Alexandria	WTTG-HD	02-Aug-09	02-Aug-09	10869	796	Hardware/Software	1689	Encoder Reconfigured	0.01
OE0116868857	Alexandria	AX642	06-Jul-09	06-Jul-09	79	795	Headend/Hub/Facility Failure	2165	Reset Equipment	0.06
OE0116868768	Alexandria	AX641	06-Jul-09	06-Jul-09	8	795	Headend/Hub/Facility Failure	2165	Reset Equipment	0.04
OE0122883339	Alexandria	ICCWH1MDS2	28-Aug-09	28-Aug-09	173	486	High Utilization	2949	Alarm Self Cleared	0.08
OE0115434161	Alexandria	ICCWH1MDS2	19-Jun-09	19-Jun-09	112	486	High Utilization	1793	High Usage Subsided	0.08
OE0115488908	Alexandria	ICCWH1MDS2	20-Jun-09	20-Jun-09	86	486	High Utilization	1793	High Usage Subsided	0.13
OE0120727749	Alexandria	ICCWH1MDS2	15-Aug-09	15-Aug-09	111	486	High Utilization	1793	High Usage Subsided	0.03
OE0121388824	Alexandria	ICCWH1MDS2	22-Aug-09	22-Aug-09	128	486	High Utilization	1793	High Usage Subsided	0.03
OE0122731110	Alexandria	ICCWH1MDS2	08-Sep-09	08-Sep-09	112	486	High Utilization	1793	High Usage Subsided	0.02
OE0123181975	Alexandria	ICCWH1MDS2	11-Sep-09	11-Sep-09	91	486	High Utilization	1793	High Usage Subsided	0.05
OE0123411315	Alexandria	ICCWH1MDS2	26-Sep-09	26-Sep-09	170	486	High Utilization	1793	High Usage Subsided	0.05
OE0115872365	Alexandria	AX691	24-Jun-09	24-Jun-09	4	191	Invalid Ticket	2913	Incorrect Alarm	0.01
OE0115865370	Alexandria	AX384	23-Jun-09	23-Jun-09	14	713	No Trouble found	2948	Alarm Self Cleared	0.01
OE0116894142	Alexandria	AX489	17-Jun-09	17-Jun-09	47	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE0116894163	Alexandria	AX539	17-Jun-09	17-Jun-09	89	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE0116894222	Alexandria	AX506	17-Jun-09	17-Jun-09	345	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE0116894271	Alexandria	AX519	17-Jun-09	17-Jun-09	119	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE0116894279	Alexandria	AX528	17-Jun-09	17-Jun-09	98	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE0116894499	Alexandria	AX636	17-Jun-09	17-Jun-09	144	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE0116931695	Alexandria	AX372	18-Jun-09	18-Jun-09	98	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE0116931696	Alexandria	AX384	18-Jun-09	18-Jun-09	82	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE0116932268	Alexandria	AX691	18-Jun-09	18-Jun-09	262	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE0116932212	Alexandria	AX678	18-Jun-09	18-Jun-09	128	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE0116932262	Alexandria	AX678	18-Jun-09	18-Jun-09	128	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE0116932422	Alexandria	AX691	18-Jun-09	18-Jun-09	262	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01

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QE911532883	Alexandria	AX280	18-Jun-09	18-Jun-09	103	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911536457	Alexandria	AX280	18-Jun-09	18-Jun-09	73	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911544883	Alexandria	AX535	20-Jun-09	20-Jun-09	257	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911552830	Alexandria	AX372	21-Jun-09	21-Jun-09	88	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911552832	Alexandria	AX384	21-Jun-09	21-Jun-09	82	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.02
QE911553213	Alexandria	AX416	21-Jun-09	21-Jun-09	83	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.00
QE911553837	Alexandria	AX384	21-Jun-09	21-Jun-09	82	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911554419	Alexandria	AX416	22-Jun-09	22-Jun-09	83	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.00
QE911554411	Alexandria	AX415	22-Jun-09	22-Jun-09	120	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.00
QE911561548	Alexandria	AX332	22-Jun-09	22-Jun-09	112	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911562854	Alexandria	AX252	22-Jun-09	22-Jun-09	258	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911564836	Alexandria	AX275	23-Jun-09	23-Jun-09	156	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911568982	Alexandria	AX372	23-Jun-09	23-Jun-09	88	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911568983	Alexandria	AX384	23-Jun-09	23-Jun-09	83	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911568386	Alexandria	AX372	23-Jun-09	23-Jun-09	88	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911568391	Alexandria	AX372	23-Jun-09	23-Jun-09	87	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.02
QE911578954	Alexandria	AX181	24-Jun-09	24-Jun-09	163	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911580386	Alexandria	AX372	24-Jun-09	24-Jun-09	88	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911580387	Alexandria	AX384	24-Jun-09	24-Jun-09	83	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911594030	Alexandria	AX916	25-Jun-09	25-Jun-09	245	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.00
QE911594086	Alexandria	AX916	25-Jun-09	25-Jun-09	245	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911611175	Alexandria	AX440	26-Jun-09	26-Jun-09	82	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911617194	Alexandria	AX181	26-Jun-09	27-Jun-09	38	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911617291	Alexandria	AX184	26-Jun-09	27-Jun-09	8	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911616481	Alexandria	AX485	27-Jun-09	27-Jun-09	146	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911616287	Alexandria	AX485	27-Jun-09	27-Jun-09	146	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.00
QE911616384	Alexandria	AX485	27-Jun-09	27-Jun-09	146	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.00
QE911622444	Alexandria	AX185	27-Jun-09	28-Jun-09	39	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.04
QE911622488	Alexandria	AX181	27-Jun-09	28-Jun-09	21	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911622528	Alexandria	AX184	27-Jun-09	28-Jun-09	17	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.02
QE911638981	Alexandria	AX143	29-Jun-09	29-Jun-09	118	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911638835	Alexandria	AX439	30-Jun-09	30-Jun-09	40	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911639809	Alexandria	AX112	30-Jun-09	30-Jun-09	95	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911657407	Alexandria	Centaon Network	01-Jul-09	01-Jul-09	156814	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.00
QE911663344	Alexandria	AX291	02-Jul-09	02-Jul-09	12	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.00

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OE011663386	Alexandria	AX284	02-Jul-09	02-Jul-09	12	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011663387	Alexandria	AX291	02-Jul-09	02-Jul-09	12	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
OE011663418	Alexandria	AX883	02-Jul-09	02-Jul-09	75	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011663456	Alexandria	AX377	02-Jul-09	02-Jul-09	36	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
OE011663518	Alexandria	AX176	02-Jul-09	02-Jul-09	36	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011663564	Alexandria	AX886	02-Jul-09	02-Jul-09	57	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011663613	Alexandria	AX377	02-Jul-09	02-Jul-09	36	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
OE011663623	Alexandria	AX886	02-Jul-09	02-Jul-09	57	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
OE011663663	Alexandria	AX170	02-Jul-09	02-Jul-09	36	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
OE011663693	Alexandria	AX170	02-Jul-09	02-Jul-09	36	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011663694	Alexandria	AX886	02-Jul-09	02-Jul-09	57	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011664123	Alexandria	AX170	02-Jul-09	02-Jul-09	43	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.03
OE011664124	Alexandria	AX886	02-Jul-09	02-Jul-09	44	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.03
OE011664405	Alexandria	AX112	02-Jul-09	02-Jul-09	86	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011668813	Alexandria	AX484	02-Jul-09	02-Jul-09	139	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.04
OE011670589	Alexandria	ICCW01MDS2	02-Jul-09	02-Jul-09	86	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.02
OE011682839	Alexandria	ICCW01MDS2	05-Jul-09	05-Jul-09	281	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.08
OE011686912	Alexandria	AX484	06-Jul-09	06-Jul-09	129	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.05
OE011686948	Alexandria	AX166	07-Jul-09	07-Jul-09	27	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.05
OE011703619	Alexandria	AX484	07-Jul-09	07-Jul-09	163	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.02
OE011714086	Alexandria	AX511	09-Jul-09	09-Jul-09	142	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011715366	Alexandria	AX443	09-Jul-09	09-Jul-09	5	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.32
OE011737111	Alexandria	AX484	10-Jul-09	10-Jul-09	43	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.05
OE011756166	Alexandria	AX810	13-Jul-09	13-Jul-09	422	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011768916	Alexandria	AX486	14-Jul-09	14-Jul-09	139	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011768911	Alexandria	AX471	14-Jul-09	14-Jul-09	63	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011768912	Alexandria	AX486	14-Jul-09	14-Jul-09	113	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011768913	Alexandria	AX884	14-Jul-09	14-Jul-09	87	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011768914	Alexandria	AX382	14-Jul-09	14-Jul-09	135	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011768915	Alexandria	AX384	14-Jul-09	14-Jul-09	208	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011768917	Alexandria	AX385	14-Jul-09	14-Jul-09	163	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011768918	Alexandria	AX383	14-Jul-09	14-Jul-09	172	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011768588	Alexandria	AX435	14-Jul-09	14-Jul-09	163	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011768646	Alexandria	AX435	14-Jul-09	14-Jul-09	163	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011768709	Alexandria	AX435	14-Jul-09	14-Jul-09	163	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01

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QE911795147	Alexandria	AX159	16-Jul-09	16-Jul-09	93	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911797389	Alexandria	AX460	16-Jul-09	16-Jul-09	6	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911798799	Alexandria	AX460	16-Jul-09	16-Jul-09	95	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911861318	Alexandria	AX387	17-Jul-09	17-Jul-09	146	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911861334	Alexandria	AX382	17-Jul-09	17-Jul-09	169	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911861335	Alexandria	AX382	17-Jul-09	17-Jul-09	5	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911861356	Alexandria	AX387	17-Jul-09	17-Jul-09	146	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911861363	Alexandria	AX382	17-Jul-09	17-Jul-09	5	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911832615	Alexandria	AX413	21-Jul-09	21-Jul-09	51	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911836720	Alexandria	AX487	21-Jul-09	21-Jul-09	95	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.02
QE911838447	Alexandria	AX487	21-Jul-09	21-Jul-09	96	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911838187	Alexandria	AX487	21-Jul-09	21-Jul-09	96	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911846868	Alexandria	AX051	22-Jul-09	22-Jul-09	45	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911846874	Alexandria	AX056	22-Jul-09	22-Jul-09	137	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911846879	Alexandria	AX594	22-Jul-09	22-Jul-09	14	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911846885	Alexandria	AX036	22-Jul-09	22-Jul-09	143	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911846892	Alexandria	AX319	22-Jul-09	22-Jul-09	89	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911846896	Alexandria	AX426	22-Jul-09	22-Jul-09	141	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911846908	Alexandria	AX279	22-Jul-09	22-Jul-09	191	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911846909	Alexandria	AX039	22-Jul-09	22-Jul-09	114	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911846913	Alexandria	AX291	22-Jul-09	22-Jul-09	53	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911846914	Alexandria	AX062	22-Jul-09	22-Jul-09	199	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911846934	Alexandria	AX382	22-Jul-09	22-Jul-09	137	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911846976	Alexandria	AX437	22-Jul-09	22-Jul-09	132	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911846979	Alexandria	AX062	22-Jul-09	22-Jul-09	37	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911846984	Alexandria	AX091	22-Jul-09	22-Jul-09	116	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.03
QE911857833	Alexandria	AX487	23-Jul-09	23-Jul-09	96	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911858259	Alexandria	AX379	23-Jul-09	23-Jul-09	143	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911858545	Alexandria	AX487	23-Jul-09	23-Jul-09	90	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.07
QE911882254	Alexandria	IOCMH1MDS2	23-Jul-09	23-Jul-09	90	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911894893	Alexandria	AX487	24-Jul-09	24-Jul-09	95	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911898457	Alexandria	AX487	24-Jul-09	24-Jul-09	94	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.02
QE911870178	Alexandria	AX487	24-Jul-09	24-Jul-09	86	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.04
QE911885776	Alexandria	AX089	27-Jul-09	27-Jul-09	33	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01
QE911885784	Alexandria	AX165	27-Jul-09	27-Jul-09	88	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.01

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OE011886791	Alexandria	AX103	27-Jul-09	27-Jul-09	91	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011913817	Alexandria	AX177	29-Jul-09	29-Jul-09	94	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
OE011932886	Alexandria	AX503	30-Jul-09	30-Jul-09	34	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.02
OE011971726	Alexandria	AX339	05-Aug-09	05-Aug-09	76	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011977756	Alexandria	AX167	05-Aug-09	05-Aug-09	77	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
OE011987124	Alexandria	AX112	05-Aug-09	05-Aug-09	97	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011994232	Alexandria	AX445	07-Aug-09	07-Aug-09	54	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011994536	Alexandria	AX445	07-Aug-09	07-Aug-09	54	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
OE011995263	Alexandria	AX445	07-Aug-09	07-Aug-09	54	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
OE011995899	Alexandria	AX329	07-Aug-09	07-Aug-09	129	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE011995951	Alexandria	AX329	07-Aug-09	07-Aug-09	6	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.02
OE012004999	Alexandria	AX379	08-Aug-09	08-Aug-09	143	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012004999	Alexandria	AX369	08-Aug-09	08-Aug-09	71	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012005273	Alexandria	AX379	08-Aug-09	08-Aug-09	143	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012005285	Alexandria	AX369	08-Aug-09	08-Aug-09	71	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012005445	Alexandria	AX378	08-Aug-09	08-Aug-09	7	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012005136	Alexandria	AX378	08-Aug-09	08-Aug-09	143	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012005151	Alexandria	AX369	08-Aug-09	08-Aug-09	71	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
OE012014436	Alexandria	AX926	10-Aug-09	10-Aug-09	210	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
OE012044295	Alexandria	AX112	12-Aug-09	12-Aug-09	15	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.02
OE012044856	Alexandria	AX434	13-Aug-09	13-Aug-09	76	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012057627	Alexandria	NOVA	13-Aug-09	13-Aug-09	398535	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.02
OE012068491	Alexandria	AX294	16-Aug-09	16-Aug-09	59	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
OE012107634	Alexandria	AX485	19-Aug-09	19-Aug-09	23	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.04
OE012126886	Alexandria	AX186	21-Aug-09	21-Aug-09	109	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012134276	Alexandria	AX247	21-Aug-09	21-Aug-09	79	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012146144	Alexandria	AX239	24-Aug-09	24-Aug-09	11	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.02
OE012161669	Alexandria	ICCWH1MDS2	24-Aug-09	24-Aug-09	25	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012163411	Alexandria	AX518	25-Aug-09	25-Aug-09	117	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012163445	Alexandria	AX522	25-Aug-09	25-Aug-09	246	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012163419	Alexandria	AX525	25-Aug-09	25-Aug-09	181	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012184854	Alexandria	AX149	27-Aug-09	27-Aug-09	77	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012185843	Alexandria	AX829	27-Aug-09	27-Aug-09	47	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
OE012185844	Alexandria	AX848	27-Aug-09	27-Aug-09	184	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
OE012185729	Alexandria	AX260	27-Aug-09	27-Aug-09	334	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.02

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QE0121887[illegible]	Alexandria	AX111	28-Aug-09	28-Aug-09	110	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
QE0122218[illegible]	Alexandria	AX899	01-Sep-09	01-Sep-09	38	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
QE0122832[illegible]	Alexandria	AX302	02-Sep-09	02-Sep-09	45	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.05
QE0122546[illegible]	Alexandria	AX409	03-Sep-09	03-Sep-09	57	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.09
QE0122731[illegible]	Alexandria	AX436	06-Sep-09	06-Sep-09	133	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.02
QE0122[illegible]	Alexandria	AX413	08-Sep-09	08-Sep-09	54	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
QE0122[illegible]	Alexandria	AX163	08-Sep-09	08-Sep-09	33	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
QE0122[illegible]	Alexandria	AX082	10-Sep-09	10-Sep-09	45	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.04
QE0122[illegible]	Alexandria	AX082	10-Sep-09	10-Sep-09	57	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
QE0122[illegible]	Alexandria	AX082	10-Sep-09	10-Sep-09	57	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
QE0122[illegible]	Alexandria	AX082	10-Sep-09	10-Sep-09	57	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
QE0122[illegible]	Alexandria	AX082	10-Sep-09	10-Sep-09	57	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
QE0123[illegible]	Alexandria	AX177	10-Sep-09	10-Sep-09	4	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.03
QE0123[illegible]	Alexandria	AX519	10-Sep-09	10-Sep-09	119	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
QE0123[illegible]	Alexandria	AX521	10-Sep-09	10-Sep-09	116	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
QE0123[illegible]	Alexandria	AX163	11-Sep-09	11-Sep-09	6	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.03
QE0123[illegible]	Alexandria	AX163	12-Sep-09	12-Sep-09	33	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
QE0123[illegible]	Alexandria	AX163	12-Sep-09	12-Sep-09	33	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
QE0123[illegible]	Alexandria	AX163	12-Sep-09	12-Sep-09	11	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.05
QE0123[illegible]	Alexandria	AX881	13-Sep-09	13-Sep-09	117	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.04
QE0123[illegible]	Alexandria	AX881	13-Sep-09	13-Sep-09	117	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
QE0123[illegible]	Alexandria	AX881	13-Sep-09	13-Sep-09	117	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
QE0123[illegible]	Alexandria	AX163	13-Sep-09	13-Sep-09	33	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
QE0123[illegible]	Alexandria	ESPN HD	13-Sep-09	13-Sep-09	58332	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.02
QE0123[illegible]	Alexandria	AX163	13-Sep-09	13-Sep-09	33	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
QE0123[illegible]	Alexandria	AX163	13-Sep-09	13-Sep-09	23	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.08
QE0123[illegible]	Alexandria	AX434	16-Sep-09	16-Sep-09	76	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.09
QE0123[illegible]	Alexandria	AX394	16-Sep-09	16-Sep-09	205	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
QE0123[illegible]	Alexandria	AX413	18-Sep-09	18-Sep-09	53	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.01
QE0123[illegible]	Alexandria	AX017	21-Sep-09	21-Sep-09	285	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.00
QE0123[illegible]	Alexandria	AX099	21-Sep-09	21-Sep-09	119	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.02
QE0123[illegible]	Alexandria	AX970	21-Sep-09	21-Sep-09	64	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.02
QE0123[illegible]	Alexandria	AX484	21-Sep-09	22-Sep-09	5	149	Problem Cleared in Testing	2940	Alarm Self Cleared	0.07
QE0124[illegible]	Alexandria	AX183	22-Sep-09	22-Sep-09	114	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00
QE0124[illegible]	Alexandria	AX183	22-Sep-09	22-Sep-09	114	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.00

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QE912401791	Alexandria	AX163	22-Sep-09	22-Sep-09	114	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.80
QE912404452	Alexandria	AX470	22-Sep-09	22-Sep-09	33	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.91
QE912416311	Alexandria	AX418	23-Sep-09	23-Sep-09	84	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.91
QE912416892	Alexandria	AX917	23-Sep-09	23-Sep-09	149	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.91
QE912433891	Alexandria	ICCWH1MDS2	25-Sep-09	25-Sep-09	39	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.91
QE912436388	Alexandria	AX893	25-Sep-09	25-Sep-09	39	149	Problem Cleared in Testing	2949	Alarm Self Cleared	0.91
QE911685139	Alexandria	SPEED HD	06-Jul-09	06-Jul-09	98551	365	Program Outage	2129	Digital Program Supplier	0.01
QE911827675	Alexandria	VERSUS HD	20-Jul-09	20-Jul-09	98551	365	Program Outage	2120	Digital Program Supplier	0.03
QE911686491	Alexandria	AX147	22-Jun-09	22-Jun-09	175	150	Scheduled Maintenance	2154	scheduled	0.04
QE911488469	Alexandria	AX134	16-Jun-09	16-Jun-09	63	150	Scheduled Maintenance	1652	scheduled	0.01
QE911588333	Alexandria	AX508	17-Jun-09	17-Jun-09	345	150	Scheduled Maintenance	1652	scheduled	0.01
QE911529479	Alexandria	AX276	18-Jun-09	18-Jun-09	276	150	Scheduled Maintenance	1652	scheduled	0.01
QE911563433	Alexandria	AX322	23-Jun-09	23-Jun-09	133	150	Scheduled Maintenance	1652	scheduled	0.01
QE911628941	Alexandria	AX221	29-Jun-09	29-Jun-09	41	150	Scheduled Maintenance	1652	scheduled	0.01
QE911628952	Alexandria	AX420	29-Jun-09	29-Jun-09	49	150	Scheduled Maintenance	1652	scheduled	0.01
QE911628956	Alexandria	AX433	29-Jun-09	29-Jun-09	176	150	Scheduled Maintenance	1652	scheduled	0.01
QE911628957	Alexandria	AX434	29-Jun-09	29-Jun-09	79	150	Scheduled Maintenance	1652	scheduled	0.01
QE911628551	Alexandria	AX221	29-Jun-09	29-Jun-09	41	150	Scheduled Maintenance	1652	scheduled	0.00
QE911650883	Alexandria	AX239	01-Jul-09	01-Jul-09	109	150	Scheduled Maintenance	1652	scheduled	0.02
QE911650889	Alexandria	AX446	01-Jul-09	01-Jul-09	68	150	Scheduled Maintenance	1652	scheduled	0.02
QE911650893	Alexandria	AX448	01-Jul-09	01-Jul-09	121	150	Scheduled Maintenance	1652	scheduled	0.03
QE911651909	Alexandria	AX462	01-Jul-09	01-Jul-09	57	150	Scheduled Maintenance	1652	scheduled	0.00
QE911651911	Alexandria	AX462	01-Jul-09	01-Jul-09	105	150	Scheduled Maintenance	1652	scheduled	0.00
QE912064209	Alexandria	AX425	14-Aug-09	14-Aug-09	58	782	Scheduled Maintenance	1652	scheduled	0.13
QE911808173	Alexandria	ICCWH1MDS2	28-Jul-09	28-Jul-09	79	536	Seachange Issue	1789	SeaChange Issues	0.04
QE911750880	Alexandria	TCM/TruTV	12-Jul-09	12-Jul-09	256612	706	Third Party	2120	Digital Program Supplier	0.04
QE911971804	Alexandria	WUSA-WEA	05-Aug-09	05-Aug-09	256626	706	Third Party	2120	Digital Program Supplier	0.44
QE911688742	Alexandria	MDVA Counts	02-Jul-09	02-Jul-09	256642	706	Third Party	2110	(Headend)	0.04
QE911682704	Alexandria	MDVA Counts	06-Jul-09	06-Jul-09	98551	706	Third Party	2110	(Headend)	0.09
QE911828469	Alexandria	WETA KIDS	20-Jul-09	20-Jul-09	256612	706	Third Party	2110	(Headend)	0.03
QE911488374	Alexandria	WJLA - HD	14-Jun-09	14-Jun-09	98551	240	Third Party Hardware/Software	9714	Received by 3rd Party Vendor	0.04
QE911488883	Alexandria	AX268	15-Jun-09	15-Jun-09	171	112	Unplanned Outage	2949	Alarm Self Cleared	0.04
QE911488542	Alexandria	AX618	16-Jun-09	16-Jun-09	135	112	Unplanned Outage	2949	Alarm Self Cleared	0.04
QE911488561	Alexandria	AX161	16-Jun-09	16-Jun-09	162	112	Unplanned Outage	2949	Alarm Self Cleared	0.04
QE911488765	Alexandria	AX468	16-Jun-09	16-Jun-09	415	112	Unplanned Outage	2949	Alarm Self Cleared	0.04

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QE011468961	Alexandria	AX486	16-Jun-09	16-Jun-09	415	112	Unplanned Outage	2940	Alarm Self Cleared	0.04
QE011536734	Alexandria	AX413	19-Jun-09	19-Jun-09	53	112	Unplanned Outage	2940	Alarm Self Cleared	0.04
QE011566258	Alexandria	AX824	22-Jun-09	22-Jun-09	114	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE011566788	Alexandria	AX886	22-Jun-09	22-Jun-09	114	112	Unplanned Outage	2940	Alarm Self Cleared	0.00
QE011606643	Alexandria	AX849	25-Jun-09	25-Jun-09	163	112	Unplanned Outage	2940	Alarm Self Cleared	0.02
QE011606845	Alexandria	AX886	25-Jun-09	25-Jun-09	34	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE011624348	Alexandria	AX471	26-Jun-09	26-Jun-09	60	112	Unplanned Outage	2940	Alarm Self Cleared	0.04
QE011636336	Alexandria	AX439	29-Jun-09	29-Jun-09	46	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE011636169	Alexandria	AX143	29-Jun-09	29-Jun-09	110	112	Unplanned Outage	2940	Alarm Self Cleared	0.03
QE011645743	Alexandria	AX112	30-Jun-09	30-Jun-09	96	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE011657364	Alexandria	AX841	01-Jul-09	01-Jul-09	11	112	Unplanned Outage	2940	Alarm Self Cleared	0.03
QE011657367	Alexandria	AX842	01-Jul-09	01-Jul-09	69	112	Unplanned Outage	2940	Alarm Self Cleared	0.03
QE011673886	Alexandria	AX124	03-Jul-09	03-Jul-09	45	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE011686833	Alexandria	AX149	06-Jul-09	06-Jul-09	77	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE011686575	Alexandria	AX494	06-Jul-09	06-Jul-09	162	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE011634663	Alexandria	AX286	21-Jul-09	21-Jul-09	77	112	Unplanned Outage	2940	Alarm Self Cleared	0.02
QE011656686	Alexandria	AX158	23-Jul-09	23-Jul-09	8	112	Unplanned Outage	2940	Alarm Self Cleared	0.06
QE011667830	Alexandria	AX162	24-Jul-09	24-Jul-09	166	112	Unplanned Outage	2940	Alarm Self Cleared	0.00
QE011668233	Alexandria	AX256	24-Jul-09	24-Jul-09	75	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE011624947	Alexandria	AX165	30-Jul-09	30-Jul-09	143	112	Unplanned Outage	2940	Alarm Self Cleared	0.00
QE011644536	Alexandria	AX413	01-Aug-09	01-Aug-09	82	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE011686762	Alexandria	AX878	06-Aug-09	06-Aug-09	80	112	Unplanned Outage	2940	Alarm Self Cleared	0.00
QE012030800	Alexandria	AX387	11-Aug-09	11-Aug-09	5	112	Unplanned Outage	2940	Alarm Self Cleared	0.02
QE012061547	Alexandria	AX160	14-Aug-09	14-Aug-09	75	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE012109712	Alexandria	AX434	19-Aug-09	19-Aug-09	5	112	Unplanned Outage	2940	Alarm Self Cleared	0.06
QE012131185	Alexandria	AX339	21-Aug-09	21-Aug-09	139	112	Unplanned Outage	2940	Alarm Self Cleared	0.00
QE012131486	Alexandria	AX166	21-Aug-09	21-Aug-09	191	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE012137383	Alexandria	AX318	22-Aug-09	22-Aug-09	113	112	Unplanned Outage	2940	Alarm Self Cleared	0.00
QE012223892	Alexandria	AX277	01-Sep-09	01-Sep-09	16	112	Unplanned Outage	2940	Alarm Self Cleared	0.05
QE012240512	Alexandria	AX880	03-Sep-09	03-Sep-09	78	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE012268738	Alexandria	AX163	04-Sep-09	04-Sep-09	33	112	Unplanned Outage	2940	Alarm Self Cleared	0.00
QE012268574	Alexandria	AX163	05-Sep-09	05-Sep-09	33	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE012268703	Alexandria	AX163	05-Sep-09	05-Sep-09	33	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE012268869	Alexandria	AX161	05-Sep-09	05-Sep-09	27	112	Unplanned Outage	2940	Alarm Self Cleared	0.03
QE012280722	Alexandria	AX177	10-Sep-09	10-Sep-09	94	112	Unplanned Outage	2940	Alarm Self Cleared	0.00

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QE012360887	Alexandria	AX509	16-Sep-09	16-Sep-09	89	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE012362886	Alexandria	AX528	16-Sep-09	16-Sep-09	391	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE012345316	Alexandria	AX910	11-Sep-09	11-Sep-09	495	112	Unplanned Outage	2940	Alarm Self Cleared	0.02
QE012345341	Alexandria	AX902	11-Sep-09	11-Sep-09	3	112	Unplanned Outage	2940	Alarm Self Cleared	0.03
QE012345342	Alexandria	AX912	11-Sep-09	11-Sep-09	46	112	Unplanned Outage	2940	Alarm Self Cleared	0.02
QE012345491	Alexandria	AX927	11-Sep-09	11-Sep-09	166	112	Unplanned Outage	2940	Alarm Self Cleared	0.01
QE012352129	Alexandria	AX163	12-Sep-09	12-Sep-09	33	112	Unplanned Outage	2940	Alarm Self Cleared	0.00
QE012356463	Alexandria	AX224	13-Sep-09	13-Sep-09	8	112	Unplanned Outage	2940	Alarm Self Cleared	0.02
QE012374616	Alexandria	AX089	18-Sep-09	18-Sep-09	118	112	Unplanned Outage	2940	Alarm Self Cleared	0.00
QE012410887	Alexandria	AX917	23-Sep-09	23-Sep-09	265	112	Unplanned Outage	2940	Alarm Self Cleared	0.04
QE011509186	Alexandria	AX460	17-Jun-09	17-Jun-09	31	112	Unplanned Outage	2781	Fiber Jumper	0.04
QE011554427	Alexandria	AX416	22-Jun-09	22-Jun-09	46	112	Unplanned Outage	2334	Fuse	0.03
QE012239784	Alexandria	AX018	02-Sep-09	02-Sep-09	16	112	Unplanned Outage	2334	Fuse	0.05
QE012325456	Alexandria	AX082	13-Sep-09	13-Sep-09	48	112	Unplanned Outage	2314	Fuse	0.28
QE011897870	Alexandria	AX312	17-Jul-09	18-Jul-09	16	112	Unplanned Outage	2354	Installed Temporary Cable	0.04
QE011533466	Alexandria	AX290	19-Jun-09	19-Jun-09	166	112	Unplanned Outage	2339	Repaired	0.04
QE011894574	Alexandria	AX446	07-Aug-09	07-Aug-09	11	112	Unplanned Outage	2352	Repaired Under Ground Coax	0.06
QE011554597	Alexandria	AX337	22-Jun-09	22-Jun-09	25	112	Unplanned Outage	2369	Tap	0.02
QE012436182	Alexandria	AX227	25-Sep-09	25-Sep-09	9	112	Unplanned Outage	2369	Tap	0.04
QE011896463	Alexandria	AX828	07-Aug-09	07-Aug-09	115	227	Vandalism or theft	2353	Damaged Coax	0.09

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OE911488888	Alexandria	AX337	15-Jun-09	16-Jun-09	55	709	Commercial Power	2343	Power Restored
OE911488844	Alexandria	AX332	15-Jun-09	15-Jun-09	114	709	Commercial Power	2343	Power Restored
OE911488811	Alexandria	AX331	15-Jun-09	15-Jun-09	102	709	Commercial Power	2343	Power Restored
OE911531712	Alexandria	AX671	18-Jun-09	18-Jun-09	31	709	Commercial Power	2343	Power Restored
OE911531710	Alexandria	AX669	18-Jun-09	18-Jun-09	14	709	Commercial Power	2343	Power Restored
OE911531751	Alexandria	AX666	18-Jun-09	18-Jun-09	71	709	Commercial Power	2343	Power Restored
OE911553136	Alexandria	AX417	21-Jun-09	21-Jun-09	26	709	Commercial Power	2343	Power Restored
OE911581135	Alexandria	AX513	22-Jun-09	22-Jun-09	10	709	Commercial Power	2343	Power Restored
OE911582926	Alexandria	AX286	22-Jun-09	22-Jun-09	46	709	Commercial Power	2343	Power Restored
OE911582889	Alexandria	AX285	22-Jun-09	22-Jun-09	49	709	Commercial Power	2343	Power Restored
OE911588885	Alexandria	AX148	25-Jun-09	25-Jun-09	74	709	Commercial Power	2343	Power Restored
OE911622886	Alexandria	AX281	26-Jun-09	26-Jun-09	6	709	Commercial Power	2343	Power Restored
OE911622887	Alexandria	AX116	26-Jun-09	26-Jun-09	15	709	Commercial Power	2343	Power Restored
OE911622888	Alexandria	AX215	26-Jun-09	26-Jun-09	85	709	Commercial Power	2343	Power Restored
OE911622810	Alexandria	AX118	26-Jun-09	26-Jun-09	36	709	Commercial Power	2343	Power Restored
OE911622811	Alexandria	AX214	26-Jun-09	26-Jun-09	89	709	Commercial Power	2343	Power Restored
OE911622813	Alexandria	AX282	26-Jun-09	26-Jun-09	59	709	Commercial Power	2343	Power Restored
OE911622844	Alexandria	AX212	26-Jun-09	26-Jun-09	59	709	Commercial Power	2343	Power Restored
OE911624944	Alexandria	AX323	26-Jun-09	26-Jun-09	20	709	Commercial Power	2343	Power Restored
OE911624127	Alexandria	AX317	26-Jun-09	26-Jun-09	45	709	Commercial Power	2343	Power Restored
OE911624288	Alexandria	AX485	26-Jun-09	26-Jun-09	14	709	Commercial Power	2343	Power Restored
OE911638116	Alexandria	AX260	29-Jun-09	30-Jun-09	347	709	Commercial Power	2343	Power Restored
OE911687842	Alexandria	AX385	06-Jul-09	06-Jul-09	9	709	Commercial Power	2343	Power Restored
OE911687889	Alexandria	AX384	06-Jul-09	06-Jul-09	63	709	Commercial Power	2343	Power Restored
OE911688110	Alexandria	AX382	06-Jul-09	06-Jul-09	150	709	Commercial Power	2343	Power Restored
OE911688116	Alexandria	AX383	06-Jul-09	06-Jul-09	55	709	Commercial Power	2343	Power Restored
OE911693430	Alexandria	AX132	07-Jul-09	07-Jul-09	34	709	Commercial Power	2343	Power Restored
OE911750829	Alexandria	AX348	12-Jul-09	12-Jul-09	16	709	Commercial Power	2343	Power Restored
OE911756436	Alexandria	AX417	13-Jul-09	13-Jul-09	8	709	Commercial Power	2343	Power Restored
OE911788414	Alexandria	AX640	13-Jul-09	13-Jul-09	16	709	Commercial Power	2343	Power Restored
OE911838313	Alexandria	AX278	20-Jul-09	20-Jul-09	274	193	failed	2343	Power Restored
OE911839471	Alexandria	AX276	21-Jul-09	21-Jul-09	277	193	failed	2343	Power Restored

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QE011639480	Alexandria	AX277	21-Jul-09	21-Jul-09	82	193	failed	2343	Power Restored
QE011648842	Alexandria	AX421	22-Jul-09	22-Jul-09	8	709	Commercial Power	2343	Power Restored
QE011834836	Alexandria	AX356	31-Jul-09	31-Jul-09	9	709	Commercial Power	2353	Power Restored
QE011834863	Alexandria	AX356	31-Jul-09	31-Jul-09	7	709	Commercial Power	2353	Power Restored
QE011835235	Alexandria	AX491	31-Jul-09	31-Jul-09	21	709	Commercial Power	2343	Power Restored
QE011835848	Alexandria	AX492	31-Jul-09	31-Jul-09	38	709	Commercial Power	2343	Power Restored
QE011840878	Alexandria	AX324	01-Aug-09	01-Aug-09	9	709	Commercial Power	2343	Power Restored
QE011855369	Alexandria	AX073	03-Aug-09	03-Aug-09	221	709	Commercial Power	2343	Power Restored
QE011872458	Alexandria	AX224	05-Aug-09	05-Aug-09	19	709	Commercial Power	2343	Power Restored
QE011881857	Alexandria	AX132	06-Aug-09	06-Aug-09	31	709	Commercial Power	2343	Power Restored
QE012012285	Alexandria	AX348	09-Aug-09	09-Aug-09	46	709	Commercial Power	2343	Power Restored
QE012021631	Alexandria	AX480	10-Aug-09	10-Aug-09	89	709	Commercial Power	2343	Power Restored
QE012035315	Alexandria	AX386	11-Aug-09	11-Aug-09	16	709	Commercial Power	2343	Power Restored
QE012032448	Alexandria	AX480	11-Aug-09	11-Aug-09	8	709	Commercial Power	2343	Power Restored
QE012038629	Alexandria	AX185	13-Aug-09	13-Aug-09	56	709	Commercial Power	2386	Power Restored
QE012038642	Alexandria	AX187	13-Aug-09	13-Aug-09	58	709	Commercial Power	2388	Power Restored
QE012038685	Alexandria	AX183	13-Aug-09	13-Aug-09	22	709	Commercial Power	2343	Power Restored
QE012037117	Alexandria	AX182	13-Aug-09	13-Aug-09	12	709	Commercial Power	2343	Power Restored
QE012040885	Alexandria	AX183	13-Aug-09	13-Aug-09	72	709	Commercial Power	2343	Power Restored
QE012041380	Alexandria	AX182	13-Aug-09	13-Aug-09	13	709	Commercial Power	2343	Power Restored
QE012043776	Alexandria	AX185	13-Aug-09	13-Aug-09	148	709	Commercial Power	2343	Power Restored
QE012074882	Alexandria	AX187	16-Aug-09	16-Aug-09	164	709	Commercial Power	2343	Power Restored
QE012074789	Alexandria	AX188	16-Aug-09	16-Aug-09	7	709	Commercial Power	2343	Power Restored
QE012074876	Alexandria	AX185	16-Aug-09	16-Aug-09	23	709	Commercial Power	2343	Power Restored
QE012100811	Alexandria	AX016	18-Aug-09	18-Aug-09	191	709	Commercial Power	2343	Power Restored
QE012101151	Alexandria	AX008	18-Aug-09	18-Aug-09	144	709	Commercial Power	2343	Power Restored
QE012104486	Alexandria	AX016	18-Aug-09	18-Aug-09	91	709	Commercial Power	2343	Power Restored
QE012106302	Alexandria	AX016	18-Aug-09	18-Aug-09	70	709	Commercial Power	2343	Power Restored
QE012130854	Alexandria	AX185	21-Aug-09	21-Aug-09	42	183	failed	2343	Power Restored
QE012130470	Alexandria	AX464	21-Aug-09	21-Aug-09	15	183	failed	2343	Power Restored
QE012134333	Alexandria	AX481	21-Aug-09	21-Aug-09	7	709	Commercial Power	2343	Power Restored
QE012169468	Alexandria	AX434	26-Aug-09	26-Aug-09	11	709	Commercial Power	2343	Power Restored
QE012172038	Alexandria	AX429	26-Aug-09	26-Aug-09	15	709	Commercial Power	2343	Power Restored

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OE012308856	Alexandria	AX087	05-Sep-09	05-Sep-09	58	709	Commercial Power	2343	Power Restored
OE012308386	Alexandria	AX377	05-Sep-09	05-Sep-09	7	709	Commercial Power	2343	Power Restored
OE012284504	Alexandria	AX070	08-Sep-09	08-Sep-09	26	709	Commercial Power	2343	Power Restored
OE012286572	Alexandria	AX089	09-Sep-09	09-Sep-09	15	709	Commercial Power	2343	Power Restored
OE012313754	Alexandria	AX488	11-Sep-09	11-Sep-09	35	709	Commercial Power	2343	Power Restored
OE012313755	Alexandria	AX473	11-Sep-09	11-Sep-09	89	709	Commercial Power	2343	Power Restored
OE012313756	Alexandria	AX392	11-Sep-09	11-Sep-09	56	709	Commercial Power	2343	Power Restored
OE012313757	Alexandria	AX394	11-Sep-09	11-Sep-09	143	709	Commercial Power	2343	Power Restored
OE012313758	Alexandria	AX395	11-Sep-09	11-Sep-09	116	709	Commercial Power	2343	Power Restored
OE012313764	Alexandria	AX398	11-Sep-09	11-Sep-09	84	709	Commercial Power	2343	Power Restored
OE012313765	Alexandria	AX399	11-Sep-09	11-Sep-09	48	709	Commercial Power	2343	Power Restored
OE012313766	Alexandria	AX467	11-Sep-09	11-Sep-09	31	709	Commercial Power	2343	Power Restored
OE012313767	Alexandria	AX319	11-Sep-09	11-Sep-09	14	709	Commercial Power	2343	Power Restored
OE012313768	Alexandria	AX449	11-Sep-09	11-Sep-09	35	709	Commercial Power	2343	Power Restored
OE012313769	Alexandria	AX488	11-Sep-09	11-Sep-09	66	709	Commercial Power	2343	Power Restored
OE012313771	Alexandria	AX451	11-Sep-09	11-Sep-09	51	709	Commercial Power	2343	Power Restored
OE012313772	Alexandria	AX381	11-Sep-09	11-Sep-09	24	709	Commercial Power	2343	Power Restored
OE012313773	Alexandria	AX314	11-Sep-09	11-Sep-09	48	709	Commercial Power	2343	Power Restored
OE012315213	Alexandria	AX078	11-Sep-09	11-Sep-09	121	709	Commercial Power	2343	Power Restored
OE012315245	Alexandria	AX031	11-Sep-09	11-Sep-09	78	709	Commercial Power	2343	Power Restored
OE012315257	Alexandria	AX032	11-Sep-09	11-Sep-09	67	709	Commercial Power	2343	Power Restored
OE012315266	Alexandria	AX025	11-Sep-09	11-Sep-09	126	709	Commercial Power	2343	Power Restored
OE012315271	Alexandria	AX026	11-Sep-09	11-Sep-09	113	709	Commercial Power	2343	Power Restored
OE012315273	Alexandria	AX088	11-Sep-09	11-Sep-09	22	709	Commercial Power	2343	Power Restored
OE012315274	Alexandria	AX079	11-Sep-09	11-Sep-09	38	709	Commercial Power	2343	Power Restored
OE012315276	Alexandria	AX034	11-Sep-09	11-Sep-09	139	709	Commercial Power	2343	Power Restored
OE012315278	Alexandria	AX080	11-Sep-09	11-Sep-09	61	709	Commercial Power	2343	Power Restored
OE012315279	Alexandria	AX082	11-Sep-09	11-Sep-09	67	709	Commercial Power	2343	Power Restored
OE012315291	Alexandria	AX042	11-Sep-09	11-Sep-09	52	709	Commercial Power	2343	Power Restored
OE012315301	Alexandria	AX076	11-Sep-09	11-Sep-09	63	709	Commercial Power	2343	Power Restored
OE012316323	Alexandria	AX081	11-Sep-09	11-Sep-09	27	709	Commercial Power	2343	Power Restored
OE012316325	Alexandria	AX584	11-Sep-09	11-Sep-09	8	709	Commercial Power	2343	Power Restored
OE012315326	Alexandria	AX077	11-Sep-09	11-Sep-09	84	709	Commercial Power	2343	Power Restored

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QE912316328	Alexandria	AX043	11-Sep-09	11-Sep-09	51	709	Commercial Power	2343	Power Restored
QE912315334	Alexandria	AX036	11-Sep-09	11-Sep-09	28	709	Commercial Power	2343	Power Restored
QE912316337	Alexandria	AX061	11-Sep-09	11-Sep-09	97	709	Commercial Power	2343	Power Restored
QE912315338	Alexandria	AX062	11-Sep-09	11-Sep-09	122	709	Commercial Power	2343	Power Restored
QE912315348	Alexandria	AX075	11-Sep-09	11-Sep-09	53	709	Commercial Power	2343	Power Restored
QE912315349	Alexandria	AX045	11-Sep-09	11-Sep-09	193	709	Commercial Power	2343	Power Restored
QE912315363	Alexandria	AX029	11-Sep-09	11-Sep-09	267	709	Commercial Power	2343	Power Restored
QE912315364	Alexandria	AX021	11-Sep-09	11-Sep-09	249	709	Commercial Power	2343	Power Restored
QE912315385	Alexandria	AX063	11-Sep-09	11-Sep-09	58	709	Commercial Power	2343	Power Restored
QE912315418	Alexandria	AX037	11-Sep-09	11-Sep-09	16	709	Commercial Power	2343	Power Restored
QE912315419	Alexandria	AX046	11-Sep-09	11-Sep-09	136	709	Commercial Power	2343	Power Restored
QE912315429	Alexandria	AX056	11-Sep-09	11-Sep-09	78	709	Commercial Power	2343	Power Restored
QE912315526	Alexandria	AX049	11-Sep-09	11-Sep-09	9	709	Commercial Power	2343	Power Restored
QE912317139	Alexandria	AX075	11-Sep-09	11-Sep-09	52	709	Commercial Power	2343	Power Restored
QE912317145	Alexandria	AX082	11-Sep-09	11-Sep-09	6	709	Commercial Power	2343	Power Restored
QE912317151	Alexandria	AX016	11-Sep-09	11-Sep-09	143	709	Commercial Power	2343	Power Restored
QE912317156	Alexandria	AX012	11-Sep-09	11-Sep-09	26	709	Commercial Power	2343	Power Restored
QE912317228	Alexandria	AX083	11-Sep-09	11-Sep-09	63	709	Commercial Power	2343	Power Restored
QE912318483	Alexandria	AX031	11-Sep-09	11-Sep-09	82	709	Commercial Power	2343	Power Restored

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[illegible]	Alexandria	11/[illegible] 10:00 AM	11/[illegible] 02:25 PM	5 [illegible]	Adjusted RF Level	3:57
OE012763648	Alexandria	10/27/09 04:54 PM	10/27/09 05:04 PM	13 Equipment Adjustment	Adjusted RF Level	0:10
OE012763804	Alexandria	10/27/09 04:49 PM	10/27/09 05:04 PM	113 Equipment Adjustment	Adjusted RF Level	0:16
OE012763232	Alexandria	10/27/09 04:37 PM	10/27/09 05:04 PM	23 Equipment Adjustment	Adjusted RF Level	0:27
OE012888889	Alexandria	10/08/09 08:29 PM	10/08/09 08:13 PM	28 Equipment Adjustment	Adjusted RF Level	0:33
OE012831833	Alexandria	11/04/09 03:57 PM	11/04/09 04:32 PM	24 Equipment Adjustment	Adjusted RF Level	0:35
OE012540886	Alexandria	10/08/09 08:22 PM	10/08/09 08:13 PM	12 Equipment Adjustment	Adjusted RF Level	0:51
OE012488585	Alexandria	10/03/09 07:31 PM	10/03/09 08:27 PM	12 Equipment Adjustment	Adjusted RF Level	0:56
OE012888884	Alexandria	10/08/09 07:41 PM	10/08/09 08:42 PM	93 Equipment Adjustment	Adjusted RF Level	1:01
OE012762541	Alexandria	10/27/09 03:31 PM	10/27/09 04:47 PM	68 Equipment Adjustment	Adjusted RF Level	1:16
OE013888228	Alexandria	12/01/09 05:23 PM	12/01/09 07:58 PM	12 Equipment Adjustment	Adjusted RF Level	2:35
OE012488782	Alexandria	09/30/09 11:50 AM	09/30/09 02:41 PM	45 Equipment Adjustment	Adjusted RF Level	2:50
OE012888885	Alexandria	10/13/09 02:34 PM	10/13/09 05:28 PM	103 Equipment Adjustment	Adjusted RF Level	2:54
OE012828918	Alexandria	11/04/09 05:36 AM	11/04/09 08:52 AM	126 Unplanned Outage	Adjusted RF Level	0:16
OE012812214	Alexandria	11/12/09 01:29 PM	11/13/09 02:09 PM	10 Equipment Adjustment	Connector	0:39
OE012888878	Alexandria	11/07/09 04:08 PM	11/07/09 05:36 PM	14 Equipment Adjustment	Connector	1:28
OE012888883	Alexandria	12/21/09 08:52 AM	12/21/09 08:21 AM	14 Equipment Adjustment	Connector	2:28
OE013238273	Alexandria	12/25/09 05:55 PM	12/25/09 08:33 PM	24 Equipment Adjustment	Connector	2:37
OE012838886	Alexandria	10/16/09 08:08 AM	10/16/09 10:08 AM	5 Equipment Failure	Connector	1:00
OE013121128	Alexandria	12/16/09 12:08 PM	12/16/09 12:51 PM	9 Fiber/Conduit/Plant Damage	Connector	0:42
OE013174888	Alexandria	12/16/09 08:59 PM	12/16/09 04:15 PM	291,821 Equipment Failure-Hardware	Corrected Routing Problem	0:22
OE012884842	Alexandria	11/12/09 01:12 AM	11/12/09 02:56 AM	13 Equipment Failure	DC/Splitter - Replaced	1:42
OE012838258	Alexandria	10/19/09 08:57 AM	10/19/09 08:48 AM	7 Equipment Failure	DC/Splitter - Replaced	1:51
OE013223486	Alexandria	12/24/09 04:10 PM	12/24/09 04:50 PM	202,077 Equipment Failure-Hardware	Decoder Rebooted	0:40
OE012880324	Alexandria	10/12/09 10:18 PM	10/12/09 11:17 PM	208,525 Failed/Degraded Hardware	Decoder Rebooted	0:58
OE012847826	Alexandria	11/18/09 12:33 AM	11/18/09 02:25 AM	291,521 Maintenance or construction	Digital Program Supplier	1:51
OE012873087	Alexandria	11/28/09 12:26 PM	11/28/09 12:37 PM	259,847 Program Outage	Digital Program Supplier	0:11
OE013043888	Alexandria	12/02/09 07:01 AM	12/02/09 07:48 AM	291,521 Program Outage	Digital Program Supplier	0:46
OE012888863	Alexandria	11/10/09 07:04 AM	11/10/09 12:23 PM	137,075 Program Outage	Digital Program Supplier	5:19
OE012784171	Alexandria	10/27/09 05:11 PM	10/27/09 07:00 PM	208,525 Third Party	Digital Program Supplier	1:48
OE013088763	Alexandria	12/23/09 12:42 AM	12/23/09 01:30 AM	291,851 Third Party Hardware/Software	Digital Program Supplier	1:07
OE012838887	Alexandria	10/19/09 01:00 PM	10/19/09 01:15 PM	39,539 Equipment Failure-Hardware	DM-6400	0:15
OE012481148	Alexandria	09/29/09 01:15 PM	09/29/09 01:47 PM	98,332 Equipment Failure-Hardware	DM-6400	0:32
OE012443884	Alexandria	09/27/09 01:05 PM	09/27/09 01:17 PM	91,535 Equipment Failure-Software	DM-6400	0:11
OE013123472	Alexandria	12/16/09 01:15 PM	12/16/09 04:30 PM	39 Equipment Failure-Hardware	Drive Replaced	3:13
OE013913888	Alexandria	11/27/09 07:10 PM	11/27/09 07:29 PM	139 Problem Cleared in Testing	Duplicate	0:19
OE013118178	Alexandria	12/10/09 07:36 AM	12/10/09 08:40 AM	48,591 Equipment Failure-Hardware	Edge QAM - MQAM	1:04
OE012578573	Alexandria	10/12/09 07:36 PM	10/12/09 08:00 PM	15,686 Equipment Failure-Software	Edge QAM - SRMM	0:21
OE012888887	Alexandria	10/23/09 01:18 AM	10/23/09 01:35 AM	68,332 Hardware/Software	Electrical Service Restored	0:16
OE012888888	Alexandria	11/19/09 12:46 AM	11/19/09 01:06 AM	250,017 Hardware/Software	Encoder Rebooted	0:20
OE012573842	Alexandria	10/12/09 10:33 AM	10/12/09 11:35 AM	18,686 Equipment Failure-Hardware	Encryption Module Reconfigure	1:01
OE012861648	Alexandria	10/20/09 12:57 PM	10/20/09 01:14 PM	68 Equipment Failure-Hardware	Equipment Repaired	0:16
OE012517241	Alexandria	10/08/09 10:32 AM	10/08/09 12:18 PM	38 Equipment Failure-Hardware	Equipment Repaired	1:45
OE012887256	Alexandria	11/11/09 09:38 AM	11/11/09 11:15 AM	79 Equipment Failure-Hardware	Equipment Replaced	1:38
OE012887258	Alexandria	11/11/09 09:38 AM	11/11/09 11:15 AM	93 Equipment Failure-Hardware	Equipment Replaced	1:36

Alexandria Outages
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OE012887224	Alexandria	11/11/09 09:36 AM	11/11/09 11:15 AM	38	Equipment Failure-Hardware	Equipment Replaced	1:38
OE013161612	Alexandria	12/14/09 11:54 AM	12/14/09 01:23 PM	16	Equipment Adjustment	Fiber Transmitter	1:28
OE013161611	Alexandria	12/14/09 11:54 AM	12/14/09 01:23 PM	38	Equipment Adjustment	Fiber Transmitter	1:28
OE013161607	Alexandria	12/14/09 11:46 AM	12/14/09 01:23 PM	56	Equipment Adjustment	Fiber Transmitter	1:37
OE013066339	Alexandria	11/25/09 05:10 PM	11/25/09 05:48 PM	66	Equipment Failure	Fiber Transmitter	0:37
OE013066340	Alexandria	11/25/09 04:49 PM	11/25/09 05:48 PM	146	Equipment Failure	Fiber Transmitter	0:58
OE013066374	Alexandria	11/25/09 04:44 PM	11/25/09 05:48 PM	83	Equipment Failure	Fiber Transmitter	1:04
OE013066373	Alexandria	11/25/09 04:43 PM	11/25/09 05:48 PM	112	Equipment Failure	Fiber Transmitter	1:04
OE013066146	Alexandria	11/25/09 04:22 PM	11/25/09 05:48 PM	45	Equipment Failure	Fiber Transmitter	1:25
OE013066237	Alexandria	11/25/09 04:48 PM	11/25/09 05:51 PM	197	Equipment Failure	Fiber Transmitter	2:03
OE012830328	Alexandria	10/17/09 11:24 PM	10/18/09 01:30 AM	51	Unplanned Outage	Fuse	2:05
OE012826434	Alexandria	11/04/09 02:55 AM	11/04/09 05:18 AM	128	Unplanned Outage	Fuse	2:22
OE012825346	Alexandria	11/04/09 02:27 AM	11/04/09 05:18 AM	139	Unplanned Outage	Fuse	2:50
OE013066881	Alexandria	12/08/09 04:18 PM	12/08/09 04:52 PM	74	Equipment Adjustment	Fuse/Breaker	0:33
OE012461886	Alexandria	09/28/09 02:23 PM	09/28/09 03:20 PM	166	Equipment Adjustment	Fuse/Breaker	0:56
OE013016882	Alexandria	11/25/09 11:14 AM	11/25/09 12:24 PM	5	Equipment Adjustment	Fuse/Breaker	1:10
OE012993621	Alexandria	10/23/09 09:26 AM	10/23/09 10:41 AM	72	Equipment Adjustment	Fuse/Breaker	1:14
OE012985725	Alexandria	10/14/09 10:56 AM	10/14/09 12:36 PM	29	Equipment Adjustment	Fuse/Breaker	1:33
OE012757168	Alexandria	10/27/09 07:00 AM	10/27/09 09:12 AM	64	Equipment Adjustment	Fuse/Breaker	2:11
OE012970830	Alexandria	11/20/09 09:01 PM	11/21/09 12:00 AM	329	High Utilization	High Usage Subsided	#REF!
OE012717220	Alexandria	10/23/09 09:34 PM	10/23/09 09:46 PM	109	High Utilization	High Usage Subsided	0:13
OE012766752	Alexandria	10/31/09 03:16 PM	10/31/09 03:30 PM	286	High Utilization	High Usage Subsided	0:13
OE013383811	Alexandria	12/21/09 09:00 PM	12/21/09 09:15 PM	107	High Utilization	High Usage Subsided	0:14
OE012825866	Alexandria	10/16/09 09:16 PM	10/16/09 09:45 PM	143	High Utilization	High Usage Subsided	0:28
OE012766384	Alexandria	10/30/09 09:16 PM	10/30/09 10:15 PM	144	High Utilization	High Usage Subsided	0:58
OE013219838	Alexandria	12/23/09 09:16 PM	12/23/09 10:15 PM	81	High Utilization	High Usage Subsided	0:59
OE012978219	Alexandria	11/21/09 06:46 PM	11/22/09 12:45 AM	498	High Utilization	High Usage Subsided	5:58
OE012857166	Alexandria	11/09/09 09:00 PM	11/09/09 10:15 PM	142	High Utilization	High Usage Subsided	1:14
OE012721446	Alexandria	10/24/09 09:01 PM	10/24/09 10:30 PM	93	High Utilization	High Usage Subsided	1:29
OE012869469	Alexandria	12/08/09 09:01 PM	12/09/09 10:45 PM	76	High Utilization	High Usage Subsided	1:43
OE013073643	Alexandria	12/04/09 08:16 PM	12/04/09 10:00 PM	146	High Utilization	High Usage Subsided	1:43
OE012726869	Alexandria	10/24/09 03:31 PM	10/24/09 05:15 PM	367	High Utilization	High Usage Subsided	1:43
OE012851261	Alexandria	11/07/09 09:00 PM	11/07/09 10:46 PM	232	High Utilization	High Usage Subsided	1:46
OE012826841	Alexandria	10/17/09 09:16 PM	10/17/09 10:30 PM	154	High Utilization	High Usage Subsided	2:13
OE013149426	Alexandria	12/11/09 09:46 PM	12/11/09 11:15 PM	102	High Utilization	High Usage Subsided	2:28
OE013066266	Alexandria	11/28/09 09:16 PM	11/28/09 10:45 PM	269	High Utilization	High Usage Subsided	2:29
OE013144412	Alexandria	12/12/09 07:31 PM	12/13/09 10:45 PM	81	High Utilization	High Usage Subsided	3:13
OE013013883	Alexandria	11/27/09 07:01 PM	11/27/09 11:15 PM	53	High Utilization	High Usage Subsided	4:13
OE013104251	Alexandria	12/10/09 01:30 PM	12/10/09 10:45 PM	184	High Utilization	High Usage Subsided	9:14
OE012841187	Alexandria	10/19/09 12:37 PM	10/19/09 12:40 PM	329	Scheduled Maintenance	Maintenance completed as sch	0:03
OE012802822	Alexandria	11/01/09 11:29 AM	11/01/09 11:58 AM	82,885	Channel Mapping Wrong	Map Corrected	0:36
OE012536872	Alexandria	10/07/09 05:15 PM	10/07/09 05:04 PM	157	Equipment Adjustment	Optical Connector	1:48
OE012536868	Alexandria	10/07/09 05:13 PM	10/07/09 05:04 PM	93	Equipment Adjustment	Optical Connector	1:51
OE012536867	Alexandria	10/07/09 05:13 PM	10/07/09 05:04 PM	110	Equipment Adjustment	Optical Connector	1:51
OE012536869	Alexandria	10/07/09 05:14 PM	10/07/09 05:06 PM	36	Equipment Adjustment	Optical Connector	1:51
OE013126756	Alexandria	12/10/09 09:44 PM	12/11/09 09:27 AM	64	Wiring Issue	Optical Connector	9:42

Alexandria Outages
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OE013125891	Alexandria	12/10/09 08:06 PM	12/10/09 08:28 PM	72	Equipment Adjustment	Power Pack	2:11
OE013139183	Alexandria	12/11/09 10:11 AM	12/11/09 10:41 AM	16	Emergency Maintenance	Repaired	0:30
OE013136519	Alexandria	12/11/09 02:02 PM	12/11/09 02:59 PM	7	Emergency Maintenance	Repaired	0:57
OE012888888	Alexandria	10/15/09 10:47 AM	10/15/09 10:49 AM	18	Equipment Adjustment	Repaired	0:02
OE012888888	Alexandria	11/17/09 08:04 AM	11/17/09 08:26 AM	8	Equipment Adjustment	Repaired	0:21
OE013543377	Alexandria	10/09/09 09:33 AM	10/09/09 09:46 AM	156	Equipment Adjustment	Repaired	0:12
OE012810443	Alexandria	11/03/09 10:14 AM	11/03/09 10:32 AM	19	Equipment Adjustment	Repaired	0:17
OE013866382	Alexandria	10/09/09 10:36 PM	10/09/09 10:57 PM	7	Equipment Adjustment	Repaired	0:22
OE012878488	Alexandria	10/12/09 01:52 PM	10/12/09 02:40 PM	10	Equipment Adjustment	Repaired	0:48
OE012878611	Alexandria	10/22/09 12:28 PM	10/22/09 01:29 PM	167	Equipment Adjustment	Repaired	1:02
OE012852306	Alexandria	10/20/09 01:14 PM	10/20/09 02:27 PM	89	Equipment Adjustment	Repaired	1:12
OE012875891	Alexandria	11/10/09 08:27 AM	11/10/09 09:45 AM	11	Equipment Adjustment	Repaired	1:17
OE012826161	Alexandria	11/04/09 07:08 AM	11/04/09 09:03 AM	82	Equipment Adjustment	Repaired	1:56
OE013166886	Alexandria	12/08/09 08:35 PM	12/08/09 08:54 PM	11	Equipment Adjustment	Repaired	3:19
OE013166883	Alexandria	12/08/09 08:35 PM	12/08/09 08:54 PM	96	Equipment Adjustment	Repaired	3:19
OE013166884	Alexandria	12/08/09 08:35 PM	12/08/09 08:54 PM	131	Equipment Adjustment	Repaired	3:19
OE013166882	Alexandria	12/08/09 08:35 PM	12/08/09 08:54 PM	144	Equipment Adjustment	Repaired	3:19
OE012788481	Alexandria	10/20/09 08:29 AM	10/20/09 04:42 PM	5	Equipment Adjustment	Repaired	8:12
OE012872848	Alexandria	11/20/09 12:55 PM	11/20/09 12:57 PM	7	Emergency Maintenance	Repaired/Replaced Cut or Dam	0:02
OE012870883	Alexandria	11/20/09 12:29 PM	11/20/09 12:49 PM	5	Emergency Maintenance	Repaired/Replaced Cut or Dam	0:20
OE012812381	Alexandria	10/15/09 08:49 PM	10/15/09 04:24 PM	15	Equipment Adjustment	Repaired/Replaced Cut or Dam	0:35
OE012582886	Alexandria	10/13/09 04:31 PM	10/13/09 05:25 PM	61	Equipment Adjustment	Repaired/Replaced Cut or Dam	0:54
OE012868177	Alexandria	11/18/09 04:59 PM	11/18/09 05:55 PM	5	Equipment Failure	Repaired/Replaced Cut or Dam	#REF!
OE012837388	Alexandria	10/19/09 04:11 AM	10/19/09 05:41 AM	28	Equipment Failure	Repaired/Replaced Cut or Dam	1:30
OE012838388	Alexandria	10/07/09 01:58 PM	10/07/09 02:16 PM	16	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	0:18
OE012837875	Alexandria	11/17/09 08:22 AM	11/17/09 08:33 AM	10	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	#REF!
OE012848888	Alexandria	11/17/09 11:24 AM	11/17/09 12:56 PM	42	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	#REF!
OE012788483	Alexandria	10/31/09 10:58 AM	10/31/09 11:29 AM	35	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	0:30
OE012882887	Alexandria	10/13/09 08:33 PM	10/13/09 08:11 PM	18	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	0:38
OE012838878	Alexandria	10/07/09 01:27 PM	10/07/09 02:15 PM	25	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	0:48
OE012888813	Alexandria	10/19/09 08:07 AM	10/19/09 09:05 AM	120	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	0:58
OE012888888	Alexandria	11/25/09 08:26 AM	11/25/09 09:28 AM	13	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	1:02
OE012888886	Alexandria	10/05/09 01:57 PM	10/05/09 03:00 PM	21	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	1:02
OE012788838	Alexandria	10/27/09 11:44 AM	10/27/09 12:48 PM	28	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	1:03
OE012884882	Alexandria	10/20/09 11:45 AM	10/20/09 01:02 PM	43	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	1:16
OE012788878	Alexandria	10/31/09 08:54 AM	10/31/09 10:36 AM	18	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	1:41
OE013823888	Alexandria	11/20/09 08:07 AM	11/20/09 10:33 AM	7	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	2:25
OE012478886	Alexandria	09/29/09 12:54 PM	09/29/09 02:45 PM	36	Fiber/Coaxial/Plant Damage	Repaired/Replaced Cut or Dam	2:31
OE012842751	Alexandria	10/19/09 02:42 PM	10/19/09 03:14 PM	137	Equipment Adjustment	Replaced	0:32
OE012773843	Alexandria	10/20/09 02:44 PM	10/20/09 03:31 PM	166	Equipment Failure	Replaced	0:46
OE012838882	Alexandria	10/16/09 08:38 PM	10/17/09 08:00 AM	161	Equipment Failure	Replaced	11:23
OE013002614	Alexandria	12/07/09 08:54 PM	12/07/09 09:38 PM	12	Emergency Maintenance	Replaced Aerial Cable - Centra	0:44
OE012884315	Alexandria	10/20/09 03:07 PM	10/20/09 03:25 PM	18	Equipment Failure-Hardware	Reset Component	0:18
OE013004881	Alexandria	10/20/09 02:43 PM	10/20/09 03:25 PM	16	Equipment Failure-Hardware	Reset Component	0:41
OE012881882	Alexandria	10/20/09 02:03 PM	10/20/09 03:25 PM	13	Equipment Failure-Hardware	Reset Component	1:22
OE012883887	Alexandria	10/20/09 01:48 PM	10/20/09 03:10 PM	8	Equipment Failure-Hardware	Reset Component	1:22

Alexandria Outages
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OE012863278	Alexandria	10/20/09 01:49 PM	10/20/09 03:19 PM	2	Equipment Failure-Hardware	Reset Component	1:30
OE012863266	Alexandria	10/20/09 01:38 PM	10/20/09 03:10 PM	5	Equipment Failure-Hardware	Reset Component	1:32
OE012863271	Alexandria	10/20/09 01:33 PM	10/20/09 03:10 PM	3	Equipment Failure-Hardware	Reset Component	1:37
OE012863266	Alexandria	10/20/09 01:33 PM	10/20/09 03:10 PM	4	Equipment Failure-Hardware	Reset Component	1:37
OE012863373	Alexandria	10/20/09 01:43 PM	10/20/09 03:25 PM	1	Equipment Failure-Hardware	Reset Component	1:42
OE012863342	Alexandria	10/20/09 01:34 PM	10/20/09 03:10 PM	3	Equipment Failure-Hardware	Reset Component	1:46
OE012863667	Alexandria	10/20/09 01:22 PM	10/20/09 03:10 PM	2	Equipment Failure-Hardware	Reset Component	1:48
OE012863186	Alexandria	10/20/09 01:20 PM	10/20/09 03:10 PM	141	Equipment Failure-Hardware	Reset Component	1:50
OE012862744	Alexandria	10/20/09 01:20 PM	10/20/09 03:10 PM	4	Equipment Failure-Hardware	Reset Component	1:50
OE012863272	Alexandria	10/20/09 01:33 PM	10/20/09 03:25 PM	3	Equipment Failure-Hardware	Reset Component	1:52
OE012863189	Alexandria	10/20/09 01:28 PM	10/20/09 03:25 PM	1	Equipment Failure-Hardware	Reset Component	1:56
OE012862721	Alexandria	10/20/09 01:13 PM	10/20/09 03:10 PM	1	Equipment Failure-Hardware	Reset Component	1:57
OE012862730	Alexandria	10/20/09 01:13 PM	10/20/09 03:10 PM	2	Equipment Failure-Hardware	Reset Component	1:57
OE012862731	Alexandria	10/20/09 01:13 PM	10/20/09 03:10 PM	5	Equipment Failure-Hardware	Reset Component	1:57
OE012862726	Alexandria	10/20/09 01:13 PM	10/20/09 03:10 PM	6	Equipment Failure-Hardware	Reset Component	1:57
OE012862733	Alexandria	10/20/09 01:13 PM	10/20/09 03:10 PM	7	Equipment Failure-Hardware	Reset Component	1:57
OE012862728	Alexandria	10/20/09 01:13 PM	10/20/09 03:10 PM	13	Equipment Failure-Hardware	Reset Component	1:57
OE012862730	Alexandria	10/20/09 01:13 PM	10/20/09 03:10 PM	12	Equipment Failure-Hardware	Reset Component	1:57
OE012862725	Alexandria	10/20/09 01:13 PM	10/20/09 03:10 PM	10	Equipment Failure-Hardware	Reset Component	1:57
OE012862732	Alexandria	10/20/09 01:13 PM	10/20/09 03:10 PM	21	Equipment Failure-Hardware	Reset Component	1:57
OE012862669	Alexandria	10/20/09 01:11 PM	10/20/09 03:10 PM	12	Equipment Failure-Hardware	Reset Component	1:59
OE012862663	Alexandria	10/20/09 01:11 PM	10/20/09 03:10 PM	11	Equipment Failure-Hardware	Reset Component	1:59
OE012862663	Alexandria	10/20/09 01:11 PM	10/20/09 03:10 PM	6	Equipment Failure-Hardware	Reset Component	1:59
OE012862662	Alexandria	10/20/09 01:11 PM	10/20/09 03:10 PM	10	Equipment Failure-Hardware	Reset Component	1:59
OE012862661	Alexandria	10/20/09 01:11 PM	10/20/09 03:10 PM	13	Equipment Failure-Hardware	Reset Component	1:59
OE012862663	Alexandria	10/20/09 01:11 PM	10/20/09 03:10 PM	26	Equipment Failure-Hardware	Reset Component	1:59
OE012862649	Alexandria	10/20/09 01:10 PM	10/20/09 03:10 PM	24	Equipment Failure-Hardware	Reset Component	1:59
OE012862684	Alexandria	10/20/09 01:10 PM	10/20/09 03:10 PM	4	Equipment Failure-Hardware	Reset Component	2:00
OE012862518	Alexandria	10/20/09 01:10 PM	10/20/09 03:10 PM	7	Equipment Failure-Hardware	Reset Component	2:00
OE012862512	Alexandria	10/20/09 01:10 PM	10/20/09 03:10 PM	10	Equipment Failure-Hardware	Reset Component	2:00
OE012862663	Alexandria	10/20/09 01:10 PM	10/20/09 03:10 PM	42	Equipment Failure-Hardware	Reset Component	2:00
OE012862662	Alexandria	10/20/09 01:06 PM	10/20/09 03:10 PM	33	Equipment Failure-Hardware	Reset Component	2:04
OE012863161	Alexandria	10/20/09 01:16 PM	10/20/09 03:25 PM	69	Equipment Failure-Hardware	Reset Component	2:06
OE012863184	Alexandria	10/20/09 01:20 PM	10/20/09 05:10 PM	147	Equipment Failure-Hardware	Reset Component	3:42
OE013223865	Alexandria	12/24/09 05:10 PM	12/25/09 09:13 AM	317	Equipment Failure-Hardware	Reset Equipment	9:54
OE013000165	Alexandria	11/1/09 11:20 AM	11/1/09 01:31 PM	130	Headend/Hub/Facility Failure	Reset Equipment	2:10
OE013000152	Alexandria	11/1/09 11:20 AM	11/1/09 01:31 PM	170	Headend/Hub/Facility Failure	Reset Equipment	2:10
OE013000148	Alexandria	11/1/09 11:19 AM	11/1/09 01:31 PM	94	Headend/Hub/Facility Failure	Reset Equipment	2:11
OE013000100	Alexandria	11/1/09 11:18 AM	11/1/09 01:31 PM	23	Headend/Hub/Facility Failure	Reset Equipment	2:13
OE013000161	Alexandria	11/1/09 11:15 AM	11/1/09 01:31 PM	9	Headend/Hub/Facility Failure	Reset Equipment	2:16
OE012923146	Alexandria	11/15/09 09:09 PM	11/15/09 09:44 PM	250,817	Equipment Failure-Hardware	Satellite Receiver	#REF!
OE013113884	Alexandria	12/09/09 08:31 PM	12/09/09 07:10 PM	201,521	Equipment Failure-Hardware	Satellite Receiver	0:36
OE012501283	Alexandria	10/04/09 03:45 PM	10/04/09 05:10 PM	81,835	Equipment Failure-Hardware	Satellite Receiver	1:25
OE012454184	Alexandria	09/28/09 05:28 PM	09/28/09 05:60 PM	288,525	Equipment Failure-Software	Satellite Receiver	0:32
OE013143929	Alexandria	12/12/09 12:16 PM	12/12/09 12:30 PM	90	Equipment Failure-Hardware	SeaChange Issues	0:13
OE013012149	Alexandria	11/27/09 12:01 PM	11/27/09 04:29 PM	677	Equipment Failure-Hardware	SeaChange Issues	4:28

Alexandria Outages
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OE013915406	Alexandria	11/20/09 06:46 AM	11/20/09 07:45 AM	118	Equipment Failure-Software	SeaChange Issues	0:58
OE013101837	Alexandria	12/09/09 10:16 PM	12/09/09 10:45 PM	118	SeaChange Issues	SeaChange Issues	0:29
OE012953535	Alexandria	10/05/09 09:10 AM	10/05/09 10:13 AM	514	Settings off	SeaChange Issues	0:53
OE013229482	Alexandria	12/23/09 09:38 PM	12/23/09 01:13 PM	24	Equipment Failure	Fan/Face Plate	15:36
OE012868621	Alexandria	10/05/09 03:55 PM	10/05/09 04:14 PM	251,623	Third Party	Third Party Equipment (Headen	0:18
OE012924886	Alexandria	11/16/09 02:14 AM	11/16/09 02:53 AM	37	Scheduled Maintenance	Unplanned outage resulted	0:38
OE012924868	Alexandria	11/16/09 02:11 AM	11/16/09 02:53 AM	4	Scheduled Maintenance	Unplanned outage resulted	0:42
OE012924868	Alexandria	11/16/09 02:11 AM	11/16/09 02:53 AM	6	Scheduled Maintenance	Unplanned outage resulted	0:42
OE012924464	Alexandria	11/16/09 02:09 AM	11/16/09 02:53 AM	10	Scheduled Maintenance	Unplanned outage resulted	0:44
OE012924461	Alexandria	11/16/09 02:06 AM	11/16/09 02:53 AM	11	Scheduled Maintenance	Unplanned outage resulted	0:47
OE012924449	Alexandria	11/16/09 02:06 AM	11/16/09 02:53 AM	11	Scheduled Maintenance	Unplanned outage resulted	0:47
OE012924434	Alexandria	11/16/09 02:05 AM	11/16/09 02:53 AM	12	Scheduled Maintenance	Unplanned outage resulted	0:48
OE012924425	Alexandria	11/16/09 02:04 AM	11/16/09 02:53 AM	8	Scheduled Maintenance	Unplanned outage resulted	0:49
OE012924412	Alexandria	11/16/09 02:01 AM	11/16/09 02:53 AM	18	Scheduled Maintenance	Unplanned outage resulted	0:51
OE012924418	Alexandria	11/16/09 02:01 AM	11/16/09 02:53 AM	5	Scheduled Maintenance	Unplanned outage resulted	0:52
OE012924372	Alexandria	11/16/09 02:00 AM	11/16/09 02:53 AM	9	Scheduled Maintenance	Unplanned outage resulted	0:53
OE012924369	Alexandria	11/16/09 02:00 AM	11/16/09 02:53 AM	13	Scheduled Maintenance	Unplanned outage resulted	0:53
OE012924367	Alexandria	11/16/09 01:59 AM	11/16/09 02:53 AM	8	Scheduled Maintenance	Unplanned outage resulted	0:53
OE012924363	Alexandria	11/16/09 01:59 AM	11/16/09 02:53 AM	6	Scheduled Maintenance	Unplanned outage resulted	0:54
OE012924346	Alexandria	11/16/09 01:58 AM	11/16/09 02:53 AM	9	Scheduled Maintenance	Unplanned outage resulted	0:55
OE012924344	Alexandria	11/16/09 01:57 AM	11/16/09 02:53 AM	8	Scheduled Maintenance	Unplanned outage resulted	0:55
OE012924306	Alexandria	11/16/09 01:57 AM	11/16/09 02:53 AM	8	Scheduled Maintenance	Unplanned outage resulted	0:56
OE012924302	Alexandria	11/16/09 01:57 AM	11/16/09 02:53 AM	8	Scheduled Maintenance	Unplanned outage resulted	0:56
OE012924300	Alexandria	11/16/09 01:56 AM	11/16/09 02:53 AM	9	Scheduled Maintenance	Unplanned outage resulted	0:56
OE012924280	Alexandria	11/16/09 01:56 AM	11/16/09 02:53 AM	8	Scheduled Maintenance	Unplanned outage resulted	0:57
OE012924267	Alexandria	11/16/09 01:56 AM	11/16/09 02:53 AM	8	Scheduled Maintenance	Unplanned outage resulted	0:57
OE012924273	Alexandria	11/16/09 01:56 AM	11/16/09 02:53 AM	11	Scheduled Maintenance	Unplanned outage resulted	0:58
OE012924229	Alexandria	11/16/09 01:54 AM	11/16/09 02:53 AM	8	Scheduled Maintenance	Unplanned outage resulted	0:58
OE012924684	Alexandria	11/16/09 02:17 AM	11/16/09 03:16 AM	24	Scheduled Maintenance	Unplanned outage resulted	0:58
OE012924233	Alexandria	11/16/09 01:54 AM	11/16/09 02:53 AM	10	Scheduled Maintenance	Unplanned outage resulted	0:58
OE012924222	Alexandria	11/16/09 01:54 AM	11/16/09 02:53 AM	8	Scheduled Maintenance	Unplanned outage resulted	0:59
OE012924282	Alexandria	11/16/09 01:54 AM	11/16/09 02:53 AM	10	Scheduled Maintenance	Unplanned outage resulted	0:59
OE012924284	Alexandria	11/16/09 01:54 AM	11/16/09 02:53 AM	23	Scheduled Maintenance	Unplanned outage resulted	0:59
OE012924285	Alexandria	11/16/09 01:54 AM	11/16/09 02:53 AM	28	Scheduled Maintenance	Unplanned outage resulted	0:59
OE012924283	Alexandria	11/16/09 01:54 AM	11/16/09 02:53 AM	30	Scheduled Maintenance	Unplanned outage resulted	0:59
OE012924217	Alexandria	11/16/09 01:53 AM	11/16/09 02:53 AM	6	Scheduled Maintenance	Unplanned outage resulted	0:59
OE012924266	Alexandria	11/16/09 01:38 AM	11/16/09 02:38 AM	214	Scheduled Maintenance	Unplanned outage resulted	1:00
OE012924981	Alexandria	11/16/09 02:15 AM	11/16/09 03:15 AM	12	Scheduled Maintenance	Unplanned outage resulted	1:00
OE013209362	Alexandria	12/21/09 06:30 PM	12/21/09 06:30 PM	780	Equipment Failure-Hardware	VOD Hardware Reheated	0:30
OE013443624	Alexandria	09/27/09 12:19 PM	09/27/09 12:30 PM	69	Equipment Failure-Hardware	VOD Software Regained	0:10
OE012918951	Alexandria	10/16/09 10:04 AM	10/16/09 10:15 AM	10	Equipment Failure-Software	VOD Software Regained	0:10
OE012534473	Alexandria	10/07/09 01:19 PM	10/07/09 04:30 PM	24	Equipment Failure-Software	VOD Software Regained	0:10
OE013048118	Alexandria	12/02/09 12:46 PM	12/02/09 01:00 PM	54	Equipment Failure-Software	VOD Software Regained	0:13
OE012456768	Alexandria	09/28/09 09:05 PM	09/28/09 09:32 PM	80	Equipment Failure-Software	VOD Software Regained	0:27
OE013028273	Alexandria	11/20/09 07:18 AM	11/20/09 07:45 AM	72	Equipment Failure-Software	VOD Software Regained	0:28
OE013022171	Alexandria	11/20/09 07:01 PM	11/20/09 07:45 PM	88	Equipment Failure-Software	VOD Software Regained	0:44

Alexandria Outages
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OE013928613	Alexandria	11/26/08 01:26 PM	11/26/08 06:45 PM	79 Equipment Failure-Software	VOD Software Repaired	5:24
OE012838468	Alexandria	10/17/08 12:18 AM	10/17/08 12:30 AM	68 Settings off	VOD Software Repaired	0:13
OE013883624	Alexandria	11/25/08 11:34 AM	11/25/08 12:08 PM	79 Equipment Failure-Hardware	VOD Software Upgraded	0:28
OE013928967	Alexandria	11/26/08 11:31 AM	11/26/08 12:45 PM	713 Exchange Issue	VOD Software Upgraded	1:13

Alexandria Outages
4th Quarter 2009
Self-Cleared

[redacted]	AX008	12/08/09 08:17 PM	10/26/09 03:42 PM	298 Equipment Adjustment	Alarm Self Cleared	0:24
OE913867412	ICCM81MDB2	11/25/09 10:16 PM	11/26/09 12:00 AM	470 High Utilization	Alarm Self Cleared	1:44
OE912574786	AX017	10/12/09 12:32 PM	10/12/09 12:33 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912537483	AX243	10/07/09 04:12 PM	10/07/09 04:13 PM	351 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912575269	AX017	10/13/09 01:27 PM	10/13/09 01:28 PM	238 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912575570	AX017	10/12/09 02:11 PM	10/13/09 02:12 PM	238 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912574570	AX017	10/12/09 12:15 PM	10/12/09 12:16 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912574884	AX017	10/12/09 12:53 PM	10/12/09 12:54 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE913466365	AX521	09/30/09 11:00 AM	09/30/09 11:01 AM	126 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912563412	AX017	10/16/09 07:00 AM	10/16/09 07:02 AM	236 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912562599	AX017	10/16/09 07:59 AM	10/16/09 07:59 AM	238 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912575104	AX017	10/12/09 01:16 PM	10/12/09 01:17 PM	236 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912562272	AX017	10/22/09 02:32 PM	10/22/09 02:34 PM	238 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912562386	AX017	10/22/09 02:36 PM	10/22/09 02:37 PM	238 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912575349	AX017	10/12/09 01:35 PM	10/12/09 01:36 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912563665	AX302	10/20/09 04:17 PM	10/20/09 04:18 PM	187 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912566865	AX017	10/20/09 11:13 AM	10/20/09 11:15 AM	234 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912574218	AX017	10/12/09 12:01 PM	10/12/09 12:03 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912543222	AX017	10/08/09 08:25 AM	10/08/09 08:27 AM	229 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912543199	AX017	10/08/09 08:22 AM	10/08/09 08:24 AM	229 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912617441	AX247	10/16/09 05:17 AM	10/16/09 05:19 AM	83 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE913466734	AX519	09/30/09 11:43 AM	09/30/09 11:45 AM	126 Problem Cleared in Testing	Alarm Self Cleared	0:01
OE912574648	AX017	10/12/09 12:40 PM	10/12/09 12:42 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:02
OE912566821	AX007	10/23/09 03:41 AM	10/23/09 03:43 AM	86 Problem Cleared in Testing	Alarm Self Cleared	0:02
OE912575377	AX017	10/12/09 02:00 PM	10/12/09 02:03 PM	238 Problem Cleared in Testing	Alarm Self Cleared	0:02
OE913466972	AX139	10/01/09 12:14 PM	10/01/09 12:16 PM	24 Problem Cleared in Testing	Alarm Self Cleared	0:02
OE913034276	AX382	12/01/09 11:05 AM	12/01/09 11:07 AM	150 Problem Cleared in Testing	Alarm Self Cleared	0:02
OE912575247	AX017	10/12/09 01:21 PM	10/12/09 01:23 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:02
OE912849783	AX047	10/20/09 10:56 AM	10/20/09 10:58 AM	234 Problem Cleared in Testing	Alarm Self Cleared	0:02
OE912864737	AX447	10/20/09 03:43 PM	10/20/09 03:46 PM	86 Problem Cleared in Testing	Alarm Self Cleared	0:02
OE912575325	AX017	10/12/09 01:30 PM	10/12/09 01:33 PM	238 Problem Cleared in Testing	Alarm Self Cleared	0:02
OE912563894	AX467	10/09/09 09:38 AM	10/09/09 09:41 AM	82 Problem Cleared in Testing	Alarm Self Cleared	0:02
OE913139125	AX007	12/10/09 11:00 AM	10/16/09 11:00 AM	129 Problem Cleared in Testing	Alarm Self Cleared	0:02
OE912469128	AX130	10/01/09 11:50 AM	10/01/09 11:53 AM	24 Problem Cleared in Testing	Alarm Self Cleared	0:02
OE912666663	AX160	11/09/09 01:57 PM	11/09/09 02:00 PM	86 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE913466573	AX139	10/01/09 12:32 PM	10/01/09 12:36 PM	24 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE912561635	AX017	10/22/09 02:08 PM	10/22/09 02:11 PM	238 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE912562333	AX017	10/22/09 02:37 PM	10/22/09 02:41 PM	238 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE913466730	AX323	09/30/09 11:42 AM	09/30/09 11:46 AM	167 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE912562387	AX017	10/23/09 02:44 PM	10/23/09 02:47 PM	238 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE912574681	AX017	10/12/09 12:22 PM	10/12/09 12:25 PM	238 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE912864366	AX382	12/01/09 11:08 AM	12/01/09 11:12 AM	150 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE912562562	AX017	10/16/09 07:53 AM	10/16/09 07:57 AM	238 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE912774184	AX032	10/26/09 03:59 PM	10/26/09 04:03 PM	95 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE912863273	AX436	10/29/09 01:39 PM	10/29/09 01:43 PM	121 Problem Cleared in Testing	Alarm Self Cleared	0:03

Alexandria Outages
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Self-Cleared

OE012579415	AX017	10/11/09 10:29 PM	10/11/09 10:32 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE012582497	AX017	10/19/09 08:56 AM	10/19/09 08:59 AM	226 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE012543991	AX017	10/30/09 08:34 AM	10/30/09 08:38 AM	229 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE012546732	AX017	10/28/09 10:48 AM	10/28/09 10:52 AM	234 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE012579869	AX017	10/12/09 04:19 PM	10/12/09 04:23 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:03
OE013128235	AX386	12/11/09 08:45 AM	12/11/09 08:49 AM	71 Problem Cleared in Testing	Alarm Self Cleared	0:04
OE012564273	AX449	10/29/09 03:02 PM	10/29/09 03:06 PM	184 Problem Cleared in Testing	Alarm Self Cleared	0:04
OE012784125	AX186	10/30/09 05:27 PM	10/30/09 05:32 PM	180 Problem Cleared in Testing	Alarm Self Cleared	0:04
OE012811681	AX222	11/02/09 02:24 PM	11/02/09 02:28 PM	88 Problem Cleared in Testing	Alarm Self Cleared	0:04
OE012544536	AX017	10/28/09 10:48 AM	10/28/09 10:53 AM	229 Problem Cleared in Testing	Alarm Self Cleared	0:04
OE012559448	AX017	10/11/09 05:38 PM	10/11/09 05:43 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:04
OE012468885	AX017	09/30/09 11:26 AM	09/30/09 11:30 AM	222 Problem Cleared in Testing	Alarm Self Cleared	0:04
OE012546824	AX017	10/28/09 11:01 AM	10/28/09 11:06 AM	234 Problem Cleared in Testing	Alarm Self Cleared	0:04
OE013227158	AX388	12/28/09 07:00 AM	12/28/09 07:05 AM	347 Problem Cleared in Testing	Alarm Self Cleared	0:04
OE012468728	AX521	09/30/09 11:42 AM	09/30/09 11:47 AM	125 Problem Cleared in Testing	Alarm Self Cleared	0:04
OE012470404	AX521	09/30/09 12:56 PM	09/30/09 01:01 PM	125 Problem Cleared in Testing	Alarm Self Cleared	0:04
OE012582581	AX017	10/10/09 08:08 AM	10/10/09 08:13 AM	226 Problem Cleared in Testing	Alarm Self Cleared	0:04
OE012578136	AX017	10/12/09 04:26 PM	10/12/09 04:30 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:05
OE012817464	AX382	10/16/09 05:21 AM	10/16/09 05:26 AM	188 Problem Cleared in Testing	Alarm Self Cleared	0:05
OE012579471	AX017	10/11/09 11:00 PM	10/11/09 11:05 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:05
OE012818548	AX239	10/16/09 09:09 AM	10/16/09 09:14 AM	166 Problem Cleared in Testing	Alarm Self Cleared	0:05
OE012575385	AX017	10/12/09 01:37 PM	10/12/09 01:42 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:05
OE012813788	AX283	11/02/09 04:17 PM	11/02/09 04:22 PM	88 Problem Cleared in Testing	Alarm Self Cleared	0:05
OE012813573	AX283	11/02/09 04:10 PM	11/02/09 04:15 PM	88 Problem Cleared in Testing	Alarm Self Cleared	0:05
OE012478485	AX323	09/30/09 12:56 PM	09/30/09 01:02 PM	107 Problem Cleared in Testing	Alarm Self Cleared	0:05
OE013208837	AX079	12/21/09 03:08 PM	12/21/09 03:14 PM	194 Problem Cleared in Testing	Alarm Self Cleared	0:05
OE012468738	AX520	09/30/09 11:43 AM	09/30/09 11:48 AM	189 Problem Cleared in Testing	Alarm Self Cleared	0:05
OE012546889	AX017	10/28/09 11:07 AM	10/28/09 11:13 AM	234 Problem Cleared in Testing	Alarm Self Cleared	0:05
OE012468888	AX191	10/02/09 08:48 AM	10/02/09 08:52 AM	183 Problem Cleared in Testing	Alarm Self Cleared	0:05
OE012783952	AX186	10/30/09 05:16 PM	10/30/09 05:22 PM	180 Problem Cleared in Testing	Alarm Self Cleared	0:06
OE012814799	AX116	11/12/09 05:14 PM	11/13/09 05:21 PM	48 Problem Cleared in Testing	Alarm Self Cleared	0:07
OE013043229	AX188	12/02/09 08:50 AM	12/02/09 08:57 AM	109 Problem Cleared in Testing	Alarm Self Cleared	0:07
OE012787835	AX471	10/29/09 07:04 AM	10/29/09 07:12 AM	88 Problem Cleared in Testing	Alarm Self Cleared	0:07
OE012841880	AX241	10/19/09 01:11 PM	10/19/09 01:18 PM	137 Problem Cleared in Testing	Alarm Self Cleared	0:07
OE013141823	AX084	12/12/09 08:17 AM	12/12/09 08:25 AM	177 Problem Cleared in Testing	Alarm Self Cleared	0:07
OE013188729	ICCWH1MDS2	12/20/09 07:52 PM	12/20/09 08:00 PM	114 Problem Cleared in Testing	Alarm Self Cleared	0:08
OE012468841	AX136	10/01/09 12:41 PM	10/01/09 12:49 PM	24 Problem Cleared in Testing	Alarm Self Cleared	0:08
OE012468416	AX520	09/29/09 10:51 AM	09/29/09 10:59 AM	188 Problem Cleared in Testing	Alarm Self Cleared	0:08
OE013016784	AX222	10/16/09 03:48 AM	10/16/09 03:56 AM	89 Problem Cleared in Testing	Alarm Self Cleared	0:08
OE013145781	AX484	12/13/09 08:48 AM	12/13/09 08:56 AM	177 Problem Cleared in Testing	Alarm Self Cleared	0:08
OE013168916	ICCWH1MDS3	12/28/09 08:34 PM	12/28/09 08:45 PM	118 Problem Cleared in Testing	Alarm Self Cleared	0:10
OE012868837	AX088	11/11/09 03:43 PM	11/11/09 03:54 PM	67 Problem Cleared in Testing	Alarm Self Cleared	0:10
OE012843815	AX343	10/19/09 02:30 PM	10/19/09 02:41 PM	348 Problem Cleared in Testing	Alarm Self Cleared	0:11
OE013021915	AX349	11/25/09 11:50 AM	11/25/09 12:01 PM	213 Problem Cleared in Testing	Alarm Self Cleared	0:11
OE012528800	AX359	10/07/09 05:41 AM	10/07/09 05:52 AM	74 Problem Cleared in Testing	Alarm Self Cleared	0:11
OE012547839	AX238	10/08/09 03:15 PM	10/08/09 03:27 PM	64 Problem Cleared in Testing	Alarm Self Cleared	0:11

Alexandria Outages
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OE012887234	AX017	10/11/09 08:09 AM	10/11/09 08:21 AM	228 Problem Cleared in Testing	Alarm Self Cleared	0:11
OE012874891	AX017	10/12/09 12:01 PM	10/12/09 12:13 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:12
OE012876885	AX108	10/22/09 05:33 AM	10/22/09 05:46 AM	133 Problem Cleared in Testing	Alarm Self Cleared	0:12
OE012488417	AX020	09/30/09 09:20 AM	09/30/09 09:33 AM	106 Problem Cleared in Testing	Alarm Self Cleared	0:12
OE012488884	AX017	09/30/09 11:35 AM	09/30/09 11:47 AM	222 Problem Cleared in Testing	Alarm Self Cleared	0:12
OE012877886	AX489	10/12/09 03:43 PM	10/12/09 03:55 PM	366 Problem Cleared in Testing	Alarm Self Cleared	0:12
OE012848572	AX017	10/28/09 10:22 AM	10/28/09 10:35 AM	234 Problem Cleared in Testing	Alarm Self Cleared	0:12
OE012723670	AX026	10/25/09 12:21 PM	10/25/09 12:34 PM	122 Problem Cleared in Testing	Alarm Self Cleared	0:12
OE012816836	AX017	10/16/09 10:30 AM	10/16/09 10:43 AM	231 Problem Cleared in Testing	Alarm Self Cleared	0:12
OE012846847	AX017	10/07/09 10:53 PM	10/07/09 11:05 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:12
OE012876885	AX017	10/12/09 02:02 PM	10/12/09 02:14 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:13
OE012888868	AX270	10/17/09 01:24 PM	10/17/09 01:37 PM	356 Problem Cleared in Testing	Alarm Self Cleared	0:13
OE012573364	AX017	10/12/09 10:40 AM	10/12/09 10:53 AM	228 Problem Cleared in Testing	Alarm Self Cleared	0:13
OE012846842	AX017	10/28/09 09:43 AM	10/28/09 09:57 AM	234 Problem Cleared in Testing	Alarm Self Cleared	0:13
OE013188867	AX343	12/28/09 10:06 PM	12/28/09 10:20 PM	349 Problem Cleared in Testing	Alarm Self Cleared	0:13
OE012588852	AX017	10/11/09 12:19 AM	10/11/09 12:32 AM	228 Problem Cleared in Testing	Alarm Self Cleared	0:13
OE012727886	AX080	10/28/09 08:00 AM	10/28/09 08:14 AM	163 Problem Cleared in Testing	Alarm Self Cleared	0:13
OE012784231	AX470	10/30/09 05:35 PM	10/30/09 05:48 PM	191 Problem Cleared in Testing	Alarm Self Cleared	0:14
OE012888888	AX017	10/16/09 09:48 PM	10/16/09 10:02 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:14
OE012878885	AX017	10/11/09 11:11 PM	10/11/09 11:28 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:14
OE012878488	AX017	10/11/09 09:60 PM	10/11/09 09:16 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:14
OE013828802	AX461	11/30/09 05:20 PM	11/30/09 05:35 PM	78 Problem Cleared in Testing	Alarm Self Cleared	0:14
OE013827453	AX270	10/17/09 07:48 AM	10/17/09 08:02 AM	356 Problem Cleared in Testing	Alarm Self Cleared	0:14
OE012588882	AX017	10/05/09 10:28 AM	10/05/09 10:43 AM	228 Problem Cleared in Testing	Alarm Self Cleared	0:14
OE012524386	AX017	10/09/09 04:29 PM	10/09/09 04:44 PM	230 Problem Cleared in Testing	Alarm Self Cleared	0:14
OE012873181	AX449	11/09/09 09:02 PM	11/09/09 09:17 PM	166 Problem Cleared in Testing	Alarm Self Cleared	0:15
OE012848886	AX017	10/20/09 09:24 AM	10/20/09 09:39 AM	234 Problem Cleared in Testing	Alarm Self Cleared	0:15
OE012885139	AX327	11/24/09 02:01 PM	11/24/09 02:17 PM	94 Problem Cleared in Testing	Alarm Self Cleared	0:15
OE012504883	AX017	10/05/09 10:09 AM	10/05/09 10:25 AM	230 Problem Cleared in Testing	Alarm Self Cleared	0:15
OE012530480	AX017	10/07/09 09:17 AM	10/07/09 09:33 AM	229 Problem Cleared in Testing	Alarm Self Cleared	0:15
OE013004189	AX519	11/25/09 12:42 PM	11/25/09 12:58 PM	125 Problem Cleared in Testing	Alarm Self Cleared	0:16
OE012885102	AX328	11/24/09 01:58 PM	11/24/09 02:15 PM	90 Problem Cleared in Testing	Alarm Self Cleared	0:16
OE012567374	AX017	10/11/09 07:10 AM	10/11/09 07:26 AM	228 Problem Cleared in Testing	Alarm Self Cleared	0:16
OE012482884	AX017	10/02/09 08:48 PM	10/02/09 04:04 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:16
OE012883388	AX270	11/09/09 01:22 PM	11/09/09 01:38 PM	351 Problem Cleared in Testing	Alarm Self Cleared	0:16
OE013004303	AX521	11/25/09 12:42 PM	11/25/09 12:59 PM	125 Problem Cleared in Testing	Alarm Self Cleared	0:17
OE013873184	AX441	11/09/09 09:02 PM	11/09/09 09:19 PM	71 Problem Cleared in Testing	Alarm Self Cleared	0:17
OE012885183	AX329	11/24/09 01:58 PM	11/24/09 02:16 PM	84 Problem Cleared in Testing	Alarm Self Cleared	0:17
OE012588485	AX017	10/11/09 05:35 PM	10/11/09 05:53 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:18
OE013004820	AX434	11/25/09 09:10 AM	11/25/09 09:28 AM	5 Problem Cleared in Testing	Alarm Self Cleared	0:18
OE012873113	AX345	11/09/09 09:02 PM	11/09/09 09:21 PM	72 Problem Cleared in Testing	Alarm Self Cleared	0:18
OE012843833	AX017	10/09/09 10:04 AM	10/09/09 10:23 AM	228 Problem Cleared in Testing	Alarm Self Cleared	0:18
OE013873186	AX329	11/09/09 09:02 PM	11/09/09 09:22 PM	83 Problem Cleared in Testing	Alarm Self Cleared	0:19
OE012788788	AX470	10/30/09 04:40 PM	10/30/09 05:00 PM	8 Problem Cleared in Testing	Alarm Self Cleared	0:19
OE012873147	AX338	11/09/09 09:04 PM	11/09/09 09:24 PM	85 Problem Cleared in Testing	Alarm Self Cleared	0:20
OE012888888	AX017	10/11/09 01:23 AM	10/11/09 01:43 AM	228 Problem Cleared in Testing	Alarm Self Cleared	0:20

Alexandria Outages
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Self-Cleared

OE012873111	AX344	11/09/09 08:02 PM	11/09/09 08:23 PM	99 Problem Cleared in Testing	Alarm Self Cleared	0:20
OE012873158	AX369	11/09/09 08:04 PM	11/09/09 08:25 PM	52 Problem Cleared in Testing	Alarm Self Cleared	0:21
OE012869382	AX891	11/11/09 01:16 PM	11/11/09 01:37 PM	8 Problem Cleared in Testing	Alarm Self Cleared	0:21
OE012873165	AX442	11/09/09 08:02 PM	11/09/09 08:23 PM	58 Problem Cleared in Testing	Alarm Self Cleared	0:21
OE012897414	AX243	10/14/09 08:25 AM	10/14/09 08:47 AM	169 Problem Cleared in Testing	Alarm Self Cleared	0:21
OE013161678	AX289	12/17/09 12:35 PM	12/17/09 12:57 PM	15 Problem Cleared in Testing	Alarm Self Cleared	0:21
OE012873163	AX328	11/09/09 08:02 PM	11/09/09 08:24 PM	89 Problem Cleared in Testing	Alarm Self Cleared	0:21
OE012873168	AX351	11/09/09 08:04 PM	11/09/09 08:26 PM	85 Problem Cleared in Testing	Alarm Self Cleared	0:22
OE013064425	AX179	12/03/09 09:15 AM	12/03/09 09:37 AM	148 Problem Cleared in Testing	Alarm Self Cleared	0:22
OE012869886	AX917	10/19/09 09:09 PM	10/19/09 09:32 PM	229 Problem Cleared in Testing	Alarm Self Cleared	0:22
OE012536865	AX028	10/07/09 08:13 PM	10/07/09 08:36 PM	222 Problem Cleared in Testing	Alarm Self Cleared	0:22
OE012873167	AX436	11/09/09 08:04 PM	11/09/09 08:27 PM	116 Problem Cleared in Testing	Alarm Self Cleared	0:22
OE012784484	AX470	10/30/09 09:20 PM	10/30/09 09:43 PM	9 Problem Cleared in Testing	Alarm Self Cleared	0:23
OE012873155	AX348	11/09/09 08:04 PM	11/09/09 08:28 PM	88 Problem Cleared in Testing	Alarm Self Cleared	0:23
OE012846886	AX174	11/10/09 01:23 AM	11/10/09 01:46 AM	139 Problem Cleared in Testing	Alarm Self Cleared	#REF!
OE012873164	AX346	11/09/09 08:04 PM	11/09/09 08:29 PM	67 Problem Cleared in Testing	Alarm Self Cleared	0:24
OE012873166	AX429	11/09/09 08:04 PM	11/09/09 08:28 PM	135 Problem Cleared in Testing	Alarm Self Cleared	0:25
OE013066883	AX461	12/09/09 03:16 PM	12/09/09 03:42 PM	77 Problem Cleared in Testing	Alarm Self Cleared	0:26
OE012541609	AX017	10/06/09 01:51 AM	10/06/09 02:17 AM	180 Problem Cleared in Testing	Alarm Self Cleared	0:26
OE012873165	AX428	11/09/09 08:04 PM	11/09/09 08:31 PM	159 Problem Cleared in Testing	Alarm Self Cleared	0:26
OE013222706	AX886	12/24/09 01:23 PM	12/24/09 01:50 PM	359 Problem Cleared in Testing	Alarm Self Cleared	0:27
OE012873161	AX435	11/09/09 08:04 PM	11/09/09 08:32 PM	172 Problem Cleared in Testing	Alarm Self Cleared	0:27
OE012869847	AX270	11/09/09 12:21 PM	11/09/09 12:59 PM	361 Problem Cleared in Testing	Alarm Self Cleared	0:28
OE012864691	AX327	11/23/09 10:42 AM	11/23/09 11:08 AM	84 Problem Cleared in Testing	Alarm Self Cleared	0:28
OE012873148	AX341	11/09/09 08:04 PM	11/09/09 08:33 PM	37 Problem Cleared in Testing	Alarm Self Cleared	0:28
OE012873443	AX388	11/09/09 08:04 PM	11/09/09 08:34 PM	162 Problem Cleared in Testing	Alarm Self Cleared	0:29
OE012778325	AX320	10/29/09 07:06 PM	10/29/09 07:36 PM	4 Problem Cleared in Testing	Alarm Self Cleared	0:30
OE012873160	AX431	11/09/09 08:04 PM	11/09/09 08:35 PM	75 Problem Cleared in Testing	Alarm Self Cleared	0:30
OE013025415	AX397	11/30/09 11:01 AM	11/30/09 11:32 AM	51 Problem Cleared in Testing	Alarm Self Cleared	0:31
OE012873157	AX349	11/09/09 08:04 PM	11/09/09 08:36 PM	93 Problem Cleared in Testing	Alarm Self Cleared	0:32
OE012873159	AX343	11/09/09 08:04 PM	11/09/09 08:37 PM	64 Problem Cleared in Testing	Alarm Self Cleared	0:32
OE012782877	AX466	10/30/09 02:56 PM	10/30/09 03:29 PM	9 Problem Cleared in Testing	Alarm Self Cleared	0:33
OE012852706	AX174	10/20/09 01:13 PM	10/20/09 01:46 PM	116 Problem Cleared in Testing	Alarm Self Cleared	0:33
OE012873164	AX353	11/09/09 08:04 PM	11/09/09 08:38 PM	52 Problem Cleared in Testing	Alarm Self Cleared	0:34
OE012852714	AX250	10/20/09 01:13 PM	10/20/09 01:47 PM	385 Problem Cleared in Testing	Alarm Self Cleared	0:34
OE012852724	AX280	10/20/09 01:13 PM	10/20/09 01:48 PM	120 Problem Cleared in Testing	Alarm Self Cleared	0:35
OE012873162	AX436	11/09/09 08:04 PM	11/09/09 08:46 PM	122 Problem Cleared in Testing	Alarm Self Cleared	0:35
OE012873169	AX382	11/09/09 08:04 PM	11/09/09 08:41 PM	82 Problem Cleared in Testing	Alarm Self Cleared	0:36
OE012852681	AX142	10/20/09 01:05 PM	10/20/09 01:43 PM	185 Problem Cleared in Testing	Alarm Self Cleared	0:38
OE012852694	AX146	10/20/09 01:05 PM	10/20/09 01:44 PM	47 Problem Cleared in Testing	Alarm Self Cleared	0:38
OE012869869	AX863	11/13/09 08:09 AM	11/13/09 08:48 AM	38 Problem Cleared in Testing	Alarm Self Cleared	0:38
OE012852667	AX145	10/20/09 01:05 PM	10/20/09 01:45 PM	162 Problem Cleared in Testing	Alarm Self Cleared	0:39
OE012852680	AX158	10/20/09 01:05 PM	10/20/09 01:46 PM	26 Problem Cleared in Testing	Alarm Self Cleared	0:39
OE013013457	AX227	11/27/09 05:15 PM	11/27/09 05:57 PM	7 Problem Cleared in Testing	Alarm Self Cleared	0:42
OE013578221	AX917	10/11/09 09:29 PM	10/11/09 10:03 PM	228 Problem Cleared in Testing	Alarm Self Cleared	0:42
OE012869848	AX947	10/20/09 08:57 PM	10/20/09 09:42 PM	83 Problem Cleared in Testing	Alarm Self Cleared	0:44

Alexandria Outages
4th Quarter 2009
Self-Cleared

OE013183823	AX089	12/17/09 08:09 PM	12/17/09 08:48 PM	17 Problem Cleared in Testing	Alarm Self Cleared	0:45
OE012848484	AX518	11/18/09 02:16 AM	11/18/09 03:03 AM	125 Problem Cleared in Testing	Alarm Self Cleared	#REF!
OE012848488	AX522	11/18/09 02:16 AM	11/18/09 03:04 AM	258 Problem Cleared in Testing	Alarm Self Cleared	#REF!
OE013831173	AX440	10/18/09 04:16 AM	10/18/09 05:04 AM	104 Problem Cleared in Testing	Alarm Self Cleared	0:48
OE012852497	AX459	10/20/09 01:13 PM	10/20/09 02:04 PM	128 Problem Cleared in Testing	Alarm Self Cleared	0:50
OE012848486	AX525	11/18/09 02:16 AM	11/18/09 03:07 AM	182 Problem Cleared in Testing	Alarm Self Cleared	#REF!
OE012866617	AX035	10/23/09 11:38 AM	10/23/09 12:31 PM	26 Problem Cleared in Testing	Alarm Self Cleared	0:52
OE012866682	AX021	11/11/09 02:07 PM	11/11/09 03:01 PM	446 Problem Cleared in Testing	Alarm Self Cleared	0:53
OE012853170	AX260	10/20/09 01:14 PM	10/20/09 02:10 PM	47 Problem Cleared in Testing	Alarm Self Cleared	0:56
OE012853172	AX262	10/20/09 01:15 PM	10/20/09 02:12 PM	93 Problem Cleared in Testing	Alarm Self Cleared	0:57
OE012848488	AX488	11/18/09 02:03 AM	11/18/09 03:00 AM	362 Problem Cleared in Testing	Alarm Self Cleared	#REF!
OE012853573	AX109	10/20/09 02:05 PM	10/20/09 03:05 PM	23 Problem Cleared in Testing	Alarm Self Cleared	0:58
OE012841186	AX243	10/19/09 12:41 PM	10/19/09 01:40 PM	96 Problem Cleared in Testing	Alarm Self Cleared	0:58
OE012852979	AX112	10/20/09 01:11 PM	10/20/09 02:10 PM	105 Problem Cleared in Testing	Alarm Self Cleared	0:58
OE012853369	AX279	10/20/09 01:50 PM	10/20/09 02:55 PM	357 Problem Cleared in Testing	Alarm Self Cleared	1:04
OE012853355	AX189	10/20/09 01:43 PM	10/20/09 02:48 PM	52 Problem Cleared in Testing	Alarm Self Cleared	1:05
OE012853368	AX284	10/20/09 01:43 PM	10/20/09 02:48 PM	129 Problem Cleared in Testing	Alarm Self Cleared	1:06
OE012848423	AX448	11/18/09 01:47 AM	11/18/09 02:53 AM	127 Problem Cleared in Testing	Alarm Self Cleared	#REF!
OE012853368	AX286	10/20/09 01:43 PM	10/20/09 02:50 PM	123 Problem Cleared in Testing	Alarm Self Cleared	1:06
OE012853360	AX291	10/20/09 01:43 PM	10/20/09 02:50 PM	88 Problem Cleared in Testing	Alarm Self Cleared	1:07
OE012853361	AX292	10/20/09 01:43 PM	10/20/09 02:51 PM	84 Problem Cleared in Testing	Alarm Self Cleared	1:07
OE012853431	AX128	10/20/09 01:54 PM	10/20/09 03:02 PM	23 Problem Cleared in Testing	Alarm Self Cleared	1:08
OE012853376	AX124	10/20/09 01:43 PM	10/20/09 02:52 PM	47 Problem Cleared in Testing	Alarm Self Cleared	1:09
OE012848445	AX472	11/18/09 01:48 AM	11/18/09 02:58 AM	181 Problem Cleared in Testing	Alarm Self Cleared	#REF!
OE013147881	ICCWH1MD62	12/13/09 07:48 PM	12/13/09 09:09 PM	112 Problem Cleared in Testing	Alarm Self Cleared	1:10
OE012853381	AX278	10/20/09 01:43 PM	10/20/09 02:57 PM	211 Problem Cleared in Testing	Alarm Self Cleared	1:14
OE012853388	AX280	10/20/09 01:43 PM	10/20/09 02:58 PM	128 Problem Cleared in Testing	Alarm Self Cleared	1:14
OE012853382	AX285	10/20/09 01:43 PM	10/20/09 02:58 PM	114 Problem Cleared in Testing	Alarm Self Cleared	1:15
OE012853383	AX286	10/20/09 01:43 PM	10/20/09 02:58 PM	114 Problem Cleared in Testing	Alarm Self Cleared	1:15
OE012853384	AX309	10/20/09 01:43 PM	10/20/09 02:58 PM	169 Problem Cleared in Testing	Alarm Self Cleared	1:15
OE012853437	AX273	10/20/09 01:43 PM	10/20/09 03:00 PM	155 Problem Cleared in Testing	Alarm Self Cleared	1:16
OE012853443	AX221	10/20/09 01:44 PM	10/20/09 03:01 PM	43 Problem Cleared in Testing	Alarm Self Cleared	1:17
OE012853447	AX343	10/20/09 01:44 PM	10/20/09 03:01 PM	85 Problem Cleared in Testing	Alarm Self Cleared	1:17
OE012853453	AX342	10/20/09 01:44 PM	10/20/09 03:02 PM	152 Problem Cleared in Testing	Alarm Self Cleared	1:17
OE012534218	AX082	10/08/09 04:37 PM	10/08/09 05:56 PM	19 Problem Cleared in Testing	Alarm Self Cleared	1:18
OE012534148	AX083	10/08/09 04:38 PM	10/08/09 05:58 PM	20 Problem Cleared in Testing	Alarm Self Cleared	1:27
OE013287142	AX494	12/22/09 01:25 PM	12/22/09 02:57 PM	6 Problem Cleared in Testing	Alarm Self Cleared	1:32
OE012866766	AX179	12/04/09 10:02 AM	12/04/09 11:36 AM	17 Problem Cleared in Testing	Alarm Self Cleared	1:33
OE012836469	AX434	10/19/09 03:09 AM	10/19/09 05:30 AM	7 Problem Cleared in Testing	Alarm Self Cleared	2:40
OE012831361	AX449	10/19/09 05:26 AM	10/19/09 04:40 AM	16 Problem Cleared in Testing	Alarm Self Cleared	23:13
OE013082632	ICCWH1MD62	12/04/09 12:30 AM	12/04/09 01:00 AM	47 Seachange Issue	Alarm Self Cleared	0:29
OE012848736	AX017	10/20/09 09:59 AM	10/20/09 09:01 AM	234 Unplanned Outage	Alarm Self Cleared	0:01
OE012866846	AX437	10/22/09 04:13 PM	10/22/09 04:15 PM	144 Unplanned Outage	Alarm Self Cleared	0:02
OE013161113	AX513	12/15/09 12:52 PM	12/15/09 12:55 PM	409 Unplanned Outage	Alarm Self Cleared	0:02
OE012851858	AX032	10/20/09 12:52 PM	10/20/09 12:54 PM	95 Unplanned Outage	Alarm Self Cleared	0:02
OE012844116	AX017	10/08/09 12:48 PM	10/08/09 12:51 PM	226 Unplanned Outage	Alarm Self Cleared	0:02

Alexandria Outages
4th Quarter 2009
Self-Cleared

OE0127713131	AX010	10/28/09 12:29 PM	10/28/09 12:32 PM	111 Unplanned Outage	Alarm Self Cleared	0:02
OE0128810[illegible]	AX[illegible]	10/20/09 12:52 PM	10/20/09 12:55 PM	159 Unplanned Outage	Alarm Self Cleared	0:03
OE0128841[illegible]	AX172	11/16/09 12:30 PM	11/16/09 12:33 PM	169 Unplanned Outage	Alarm Self Cleared	#REF!
OE0127710[illegible]	AX010	10/28/09 12:18 PM	10/28/09 12:22 PM	111 Unplanned Outage	Alarm Self Cleared	0:03
OE0128778[illegible]	AX462	11/21/09 11:01 AM	11/21/09 11:05 AM	117 Unplanned Outage	Alarm Self Cleared	#REF!
OE0128277[illegible]	AX243	10/17/09 09:39 AM	10/17/09 09:40 AM	348 Unplanned Outage	Alarm Self Cleared	0:04
OE0128512[illegible]	AX035	10/20/09 12:27 PM	10/20/09 12:33 PM	150 Unplanned Outage	Alarm Self Cleared	0:05
OE0131[illegible]	AX303	12/15/09 12:01 PM	12/15/09 12:07 PM	225 Unplanned Outage	Alarm Self Cleared	0:05
OE0128773[illegible]	AX179	11/21/09 09:32 AM	11/21/09 09:39 AM	148 Unplanned Outage	Alarm Self Cleared	#REF!
OE0125[illegible]	AX017	10/02/09 09:12 AM	10/02/09 09:19 AM	229 Unplanned Outage	Alarm Self Cleared	0:07
OE0125[illegible]	AX017	10/09/09 09:56 AM	10/09/09 10:03 AM	229 Unplanned Outage	Alarm Self Cleared	0:07
OE0124[illegible]	AX107	09/29/09 01:30 PM	09/29/09 01:38 PM	24 Unplanned Outage	Alarm Self Cleared	0:08
OE0124[illegible]	AX304	10/02/09 11:32 AM	10/02/09 11:41 AM	66 Unplanned Outage	Alarm Self Cleared	0:09
OE0128[illegible]	AX114	10/28/09 01:44 PM	10/28/09 01:55 PM	48 Unplanned Outage	Alarm Self Cleared	0:11
OE0131[illegible]	AX136	12/16/09 09:13 AM	12/16/09 09:26 AM	137 Unplanned Outage	Alarm Self Cleared	0:12
OE0128[illegible]	AX010	11/10/09 10:04 AM	11/10/09 10:16 AM	429 Unplanned Outage	Alarm Self Cleared	0:12
OE0125[illegible]	AX017	10/04/09 05:58 PM	10/04/09 06:11 PM	228 Unplanned Outage	Alarm Self Cleared	0:13
OE0128[illegible]	AX276	10/20/09 01:42 PM	10/20/09 01:56 PM	304 Unplanned Outage	Alarm Self Cleared	0:13
OE0130[illegible]	AX248	11/27/09 09:55 AM	11/27/09 10:09 AM	159 Unplanned Outage	Alarm Self Cleared	0:14
OE0128[illegible]	AX017	10/20/09 08:43 AM	10/20/09 08:57 AM	234 Unplanned Outage	Alarm Self Cleared	0:14
OE0130[illegible]	AX248	12/08/09 11:56 AM	12/08/09 12:10 PM	157 Unplanned Outage	Alarm Self Cleared	0:14
OE0128[illegible]	AX627	10/23/09 07:24 AM	10/23/09 07:39 AM	110 Unplanned Outage	Alarm Self Cleared	0:14
OE0128[illegible]	AX[illegible]	10/20/09 12:50 PM	10/20/09 01:05 PM	88 Unplanned Outage	Alarm Self Cleared	0:14
OE0124[illegible]	AX289	09/29/09 10:07 AM	09/29/09 10:24 AM	9 Unplanned Outage	Alarm Self Cleared	0:16
OE0128[illegible]	AX444	10/28/09 01:37 PM	10/28/09 01:54 PM	211 Unplanned Outage	Alarm Self Cleared	0:17
OE0128[illegible]	AX017	10/20/09 11:18 AM	10/20/09 11:36 AM	234 Unplanned Outage	Alarm Self Cleared	0:17
OE0127[illegible]	AX186	11/12/09 12:13 PM	11/12/09 12:31 PM	108 Unplanned Outage	Alarm Self Cleared	0:17
OE0125[illegible]	AX017	10/09/09 10:10 AM	10/09/09 10:28 AM	230 Unplanned Outage	Alarm Self Cleared	0:18
OE0127[illegible]	AX627	10/31/09 09:18 AM	10/31/09 09:36 AM	164 Unplanned Outage	Alarm Self Cleared	0:18
OE0124[illegible]	AX433	10/02/09 10:33 AM	10/02/09 11:03 AM	57 Unplanned Outage	Alarm Self Cleared	0:30

Alexandria Outages
4th Quarter 2008
Commercial Power

OE012873414	Alexandria	AX387	11/08/08 08:02 PM	11/08/08 08:13 PM	96 Commercial Power	Commercial Power Restored	0:11
OE012873418	Alexandria	AX380	11/08/08 08:02 PM	11/08/08 08:13 PM	109 Commercial Power	Commercial Power Restored	0:11
OE012811813	Alexandria	AX222	11/02/08 02:46 PM	11/02/08 03:01 PM	12 Commercial Power	Commercial Power Restored	0:15
OE012908389	Alexandria	AX071	11/13/08 09:12 AM	11/13/08 09:43 AM	121 Commercial Power	Commercial Power Restored	0:30
OE012897577	Alexandria	AX222	11/02/08 09:47 AM	11/02/08 10:20 AM	29 Commercial Power	Commercial Power Restored	0:33
OE012548898	Alexandria	AX238	10/08/08 01:56 PM	10/08/08 02:51 PM	85 Commercial Power	Commercial Power Restored	0:55
OE012908892	Alexandria	AX071	11/13/08 07:43 AM	11/13/08 08:44 AM	121 Commercial Power	Commercial Power Restored	1:00
OE012884585	Alexandria	AX329	11/23/08 10:32 AM	11/23/08 11:49 AM	81 Commercial Power	Commercial Power Restored	1:97
OE013025388	Alexandria	AX226	11/30/08 10:38 AM	11/30/08 12:25 PM	4 Commercial Power	Commercial Power Restored	1:28
OE013025102	Alexandria	AX229	11/30/08 10:40 AM	11/30/08 12:25 PM	57 Commercial Power	Commercial Power Restored	1:38
OE013025023	Alexandria	AX124	11/30/08 10:33 AM	11/30/08 12:25 PM	47 Commercial Power	Commercial Power Restored	1:52
OE013025025	Alexandria	AX231	11/30/08 10:33 AM	11/30/08 12:26 PM	18 Commercial Power	Commercial Power Restored	1:53
OE013025031	Alexandria	AX295	11/30/08 10:33 AM	11/30/08 12:26 PM	91 Commercial Power	Commercial Power Restored	1:53
OE013025048	Alexandria	AX297	11/30/08 10:32 AM	11/30/08 12:26 PM	37 Commercial Power	Commercial Power Restored	1:53
OE013025052	Alexandria	AX383	11/30/08 10:32 AM	11/30/08 12:26 PM	84 Commercial Power	Commercial Power Restored	1:53
OE013025086	Alexandria	AX377	11/30/08 10:32 AM	11/30/08 12:26 PM	28 Commercial Power	Commercial Power Restored	1:53
OE012999136	Alexandria	AX272	10/14/08 12:56 PM	10/14/08 03:09 PM	132 Commercial Power	Commercial Power Restored	2:06
OE013025017	Alexandria	AX120	11/30/08 10:32 AM	11/30/08 01:23 PM	24 Commercial Power	Commercial Power Restored	2:51
OE012810864	Alexandria	AX082	11/02/08 01:36 PM	11/02/08 06:01 PM	56 Commercial Power	Commercial Power Restored	4:25
OE013228647	Alexandria	AX506	12/24/08 03:32 AM	12/24/08 09:46 AM	334 Commercial Power	Commercial Power Restored	6:13
OE012938630	Alexandria	AX183	11/16/08 09:02 PM	11/17/08 03:14 AM	13 Commercial Power	Commercial Power Restored	6:11
OE013043134	Alexandria	AX161	11/27/08 03:47 PM	11/27/08 11:46 PM	111 Commercial Power	Commercial Power Restored	7:52
OE012720357	Alexandria	AX341	10/24/08 03:27 PM	10/25/08 03:28 PM	40 Commercial Power	Commercial Power Restored	24:01
OE012720332	Alexandria	AX129	10/24/08 03:24 PM	10/25/08 03:28 PM	24 Commercial Power	Commercial Power Restored	24:03
OE012720329	Alexandria	AX114	10/24/08 03:24 PM	10/25/08 03:28 PM	53 Commercial Power	Commercial Power Restored	24:03
OE012720336	Alexandria	AX121	10/24/08 03:24 PM	10/25/08 03:28 PM	33 Commercial Power	Commercial Power Restored	24:03
OE012720341	Alexandria	AX220	10/24/08 03:18 PM	10/25/08 03:28 PM	87 Commercial Power	Commercial Power Restored	24:10
OE012722389	Alexandria	AX380	10/25/08 02:08 AM	10/25/08 04:19 AM	24 Commercial power failed	Commercial Power Restored	2:03
OE012567883	Alexandria	AX483	10/05/08 02:30 PM	10/05/08 05:27 PM	110 Commercial power failed	Repaired	2:96
OE012567827	Alexandria	AX486	10/05/08 01:46 PM	10/05/08 05:27 PM	16 Commercial power failed	Repaired	3:42

Alexandria Outages
1st Quarter 2010

Outage Id	Outage Loc	Actual Start	Actual End	Video Aff Subs	Cause Descr	Fix Descr	Outage Duration
OE913000005	Alexandria	01/05/10 09:37 AM	01/05/10 10:58 AM	5	Equipment Adjustment	Repaired	1:20
OE913000385	Alexandria	01/05/10 12:24 PM	01/05/10 01:12 PM	47	Equipment Adjustment	Repaired	0:47
OE913000842	Alexandria	01/05/10 08:05 AM	01/05/10 08:56 AM	12	Flood/Coastal/Plant Damage	Generator	0:51
OE913000852	Alexandria	01/05/10 07:45 PM	01/05/10 10:00 PM	62	High Utilization	High Usage Subsided	2:14
OE913000859	Alexandria	01/05/10 10:55 PM	01/05/10 10:39 PM	105,065	Third Party Hardware/Software	Digital Program Supplier	0:21
OE913000100	Alexandria	01/05/10 09:01 PM	01/05/10 10:45 PM	169	High Utilization	High Usage Subsided	1:43
OE913000339	Alexandria	01/12/10 01:47 PM	01/12/10 02:57 PM	27	Flood/Coastal/Plant Damage	Repaired/Replaced Cut or Damaged Coax	1:09
OE913000400	Alexandria	01/14/10 09:39 PM	01/14/10 09:15 PM	74	Seachange Issue	Edgeqam Reconfigured	0:44
OE913000500	Alexandria	01/15/10 03:30 PM	01/15/10 04:15 PM	44	Equipment Failure-Software	Edgeqam Reconfigured	0:44
OE913000505	Alexandria	01/15/10 11:15 PM	01/15/10 11:29 PM	71	Connection Settings	Edgeqam Reconfigured	0:14
OE913000505	Alexandria	01/16/10 12:00 PM	01/16/10 12:15 PM	55	Equipment Failure-Hardware	SeaChange Issues	0:14
OE913000543	Alexandria	01/16/10 01:30 PM	01/16/10 03:24 PM	11	Equipment Failure	Repaired	1:44
OE913000607	Alexandria	01/20/10 08:45 AM	01/20/10 09:29 AM	69	Failed/Degraded Hardware	Reset Component	2:44
OE913000609	Alexandria	01/20/10 08:45 AM	01/20/10 09:29 AM	84	Failed/Degraded Hardware	Reset Component	2:44
OE913000609	Alexandria	01/20/10 08:45 AM	01/20/10 09:29 AM	33	Failed/Degraded Hardware	Reset Component	2:44
OE913000709	Alexandria	01/20/10 01:45 PM	01/20/10 02:25 PM	202,693	Program Outage	Digital Program Supplier	0:38
OE913000912	Alexandria	01/20/10 02:05 PM	01/20/10 02:36 PM	45	Equipment Failure-Hardware	Reset Component	0:31
OE913000916	Alexandria	01/20/10 02:05 PM	01/20/10 02:36 PM	84	Equipment Failure-Hardware	Reset Component	0:31
OE913000921	Alexandria	01/20/10 02:17 PM	01/20/10 02:36 PM	38	Equipment Failure-Hardware	Reset Component	0:19
OE913000951	Alexandria	01/20/10 03:30 PM	01/20/10 04:16 PM	26	Equipment Adjustment	Adjusted RF Level	0:46
OE913000951	Alexandria	01/20/10 09:00 PM	01/20/10 10:15 PM	295	Disk Failure	VOD Hardware Replaced	5:14
OE913000997	Alexandria	01/21/10 12:04 PM	01/21/10 12:15 PM	18	Settings off	High Usage Subsided	0:10
OE913000705	Alexandria	01/22/10 11:44 AM	01/22/10 02:02 PM	21	Equipment Adjustment	Repaired/Replaced Cut or Damaged Coax	2:18
OE913000003	Alexandria	01/22/10 09:15 PM	01/23/10 01:59 AM	515	High Utilization	High Usage Subsided	4:44
OE913001169	Alexandria	01/23/10 07:30 AM	01/23/10 08:00 AM	268	Equipment Failure-Software	Customer Billing System	1:29
OE913001269	Alexandria	01/23/10 12:29 PM	01/23/10 01:54 PM	9	Equipment Adjustment	Tap	1:25
OE913001375	Alexandria	01/23/10 04:09 PM	01/23/10 07:28 PM	48,121	Equipment Failure-Hardware	Analog Equipment Repaired	3:19
OE913001572	Alexandria	01/23/10 07:45 PM	01/23/10 11:58 PM	405	High Utilization	High Usage Subsided	3:13
OE913001944	Alexandria	01/24/10 07:15 AM	01/24/10 08:15 AM	110	Equipment Failure-Software	VOD Software Repaired	0:59
OE913001970	Alexandria	01/24/10 05:48 PM	01/24/10 07:18 PM	214	Equipment Adjustment	Umbilical Cord	1:29
OE913001975	Alexandria	01/25/10 09:49 AM	01/25/10 07:49 AM	134	Equipment Failure	Repaired	1:00
OE913001999	Alexandria	01/25/10 07:29 AM	01/25/10 08:20 AM	149	Hardware/software failure or configuration	VOD Software Repaired	0:51
OE913001494	Alexandria	01/25/10 03:46 PM	01/25/10 05:49 PM	45	Equipment Adjustment	Repaired	2:03
OE913001995	Alexandria	01/27/10 01:46 PM	01/27/10 02:15 PM	21	Equipment Failure-Software	VOD Software Repaired	0:29
OE913001943	Alexandria	01/27/10 07:15 PM	01/27/10 08:02 PM	49	Equipment Adjustment	Repaired	0:46
OE913002216	Alexandria	01/28/10 02:07 AM	01/28/10 02:29 AM	249,795	Third Party Hardware/Software	Digital Program Supplier	0:22
OE913001939	Alexandria	01/28/10 12:19 PM	01/28/10 01:13 PM	17	Equipment Adjustment	Adjusted RF Level	0:54
OE913002347	Alexandria	01/28/10 08:37 PM	01/28/10 09:50 PM	34	Equipment Adjustment	Repaired	1:13
OE913002365	Alexandria	01/28/10 09:51 PM	01/28/10 09:39 PM	17	Equipment Adjustment	Repaired	0:38
OE913002414	Alexandria	01/28/10 09:59 PM	01/28/10 09:50 PM	48	Equipment Adjustment	Repaired	0:51
OE913002570	Alexandria	01/29/10 04:56 AM	01/29/10 06:10 AM	72	Equipment Failure	Adjusted RF Level	1:14

Alexandria Outages
1st Quarter 2010

OE013888814	Alexandria	01/28/10 10:47 AM	01/28/10 11:16 AM	8	Emergency Maintenance	Tap	8:29
OE013888885	Alexandria	01/28/10 08:00 PM	01/29/10 11:39 PM	132	High Utilization	High Usage Subsided	8:29
OE013838817	Alexandria	02/02/10 12:16 PM	02/02/10 04:00 PM	46	Equipment Failure-Hardware	SeaChange Issues	3:43
OE013843888	Alexandria	02/02/10 04:32 PM	02/02/10 05:46 PM	134	Equipment Adjustment	Signal Interruption Complete	1:13
OE013847730	Alexandria	02/04/10 10:34 AM	02/04/10 11:27 AM	53	Unplanned Outage	No Trouble Found	0:52
OE013888838	Alexandria	02/04/10 10:36 PM	02/04/10 06:39 PM	48	Equipment Failure	Repaired Damaged Plant	5:00
OE013888884	Alexandria	02/05/10 01:39 PM	02/05/10 01:53 PM	28	Unplanned Outage	No Trouble Found	0:23
OE013861464	Alexandria	02/05/10 05:16 PM	02/06/10 12:00 AM	77	High Utilization	High Usage Subsided	5:43
OE013888885	Alexandria	02/06/10 05:13 PM	02/06/10 04:00 PM	203,030	Third Party	Third Party Equipment (Hardand)	0:47
OE013887468	Alexandria	02/06/10 11:24 AM	02/06/10 06:10 PM	8	Unplanned Outage	Commercial Power Restored	8:45
OE013887745	Alexandria	02/06/10 12:04 PM	02/07/10 08:00 AM	34	High Utilization	High Usage Subsided	13:55
OE013887885	Alexandria	02/06/10 12:03 PM	02/07/10 02:11 PM	67	Equipment Failure	Repaired Damaged Plant	26:07
OE013887764	Alexandria	02/06/10 12:09 PM	02/07/10 02:10 PM	10	Equipment Failure	Repaired	26:10
OE013873478	Alexandria	02/07/10 12:38 PM	02/03/10 06:58 PM	138	Equipment Adjustment	Repaired Damaged Plant	5:26
OE013873637	Alexandria	02/07/10 01:15 PM	02/08/10 13:00 PM	247,144	Program Outage	Digital Program Supplier	22:44
OE013879485	Alexandria	02/08/10 08:48 AM	02/08/10 01:32 PM	46	Equipment Failure	Repaired	3:43
OE013888175	Alexandria	02/08/10 08:48 PM	02/08/10 02:00 PM	178	Equipment Failure	Repaired	8:22
OE013888201	Alexandria	02/08/10 04:48 PM	02/08/10 05:14 PM	38	Unplanned Outage	Repaired Damaged Plant	0:24
OE013888887	Alexandria	02/08/10 05:24 PM	02/08/10 02:07 AM	89	Unplanned Outage	Repaired Damaged Plant	8:42
OE013888211	Alexandria	02/08/10 07:58 PM	02/08/10 08:33 AM	92	Unplanned Outage	Repaired Damaged Plant	9:43
OE013888884	Alexandria	02/09/10 02:52 AM	02/09/10 07:57 AM	48	Equipment Failure-Software	Repaired Damaged Plant	4:05
OE013888832	Alexandria	02/09/10 03:05 PM	02/09/10 08:15 AM	280	Unplanned Outage	Repaired Damaged Plant	16:10
OE013881276	Alexandria	02/09/10 04:45 PM	02/09/10 06:34 AM	110	Unplanned Outage	Repaired Damaged Plant	16:48
OE013888748	Alexandria	02/09/10 03:49 PM	02/09/10 06:38 AM	73	Unplanned Outage	Repaired Damaged Plant	16:48
OE013881274	Alexandria	02/09/10 04:45 PM	02/09/10 06:36 AM	64	Unplanned Outage	Repaired Damaged Plant	15:52
OE013884888	Alexandria	02/09/10 05:25 PM	02/09/10 06:40 AM	85	Unplanned Outage	Repaired Damaged Plant	15:14
OE013888788	Alexandria	02/09/10 03:44 PM	02/09/10 06:24 AM	80	Unplanned Outage	Repaired Damaged Plant	17:39
OE013888711	Alexandria	02/09/10 03:44 PM	02/09/10 09:42 AM	48	Unplanned Outage	Repaired Damaged Plant	17:57
OE013888886	Alexandria	02/09/10 03:49 PM	02/09/10 10:06 AM	47	Unplanned Outage	Repaired Damaged Plant	16:26
OE013888787	Alexandria	02/09/10 03:44 PM	02/09/10 10:07 AM	35	Unplanned Outage	Repaired Damaged Plant	16:22
OE013888886	Alexandria	02/09/10 08:16 AM	02/09/10 10:09 AM	164	Unplanned Outage	Repaired Damaged Plant	8:53
OE013888851	Alexandria	02/09/10 03:49 PM	02/09/10 10:28 AM	53	Unplanned Outage	Repaired Damaged Plant	16:39
OE013888848	Alexandria	02/09/10 03:49 PM	02/09/10 10:30 AM	48	Unplanned Outage	Repaired Damaged Plant	16:48
OE013888488	Alexandria	02/09/10 12:48 PM	02/09/10 01:11 PM	77	Equipment Failure	Repaired	0:38
OE013884888	Alexandria	02/09/10 04:02 AM	02/09/10 02:26 PM	16	Unplanned Outage	Repaired Damaged Plant	82:23
OE013882617	Alexandria	02/09/10 10:11 PM	02/09/10 02:58 PM	58	HFC Plant Damage	Repaired Damaged Plant	16:47
OE013888885	Alexandria	02/09/10 03:52 AM	02/09/10 04:15 PM	58	Unplanned Outage	Repaired Damaged Plant	12:23
OE013881788	Alexandria	02/09/10 05:16 PM	02/09/10 04:45 PM	21	Equipment Adjustment	Repaired Damaged Plant	22:28
OE013888888	Alexandria	02/09/10 08:16 AM	02/09/10 08:12 PM	128	Unplanned Outage	Repaired Damaged Plant	8:52
OE013888888	Alexandria	02/09/10 08:16 PM	02/09/10 11:09 PM	65	High Utilization	High Usage Subsided	2:45
OE013918888	Alexandria	02/10/10 08:28 PM	02/10/10 11:15 PM	162	High Utilization	High Usage Subsided	1:44
OE013918845	Alexandria	02/10/10 10:51 PM	02/11/10 05:48 AM	169	Unplanned Outage	No Trouble Found	8:57

OE013636676	Alexandria	03/11/10 02:33 PM	03/11/10 03:00 PM	9	Environmental/Weather	No Trouble Found	0:26
OE013636543	Alexandria	03/11/10 05:31 PM	03/11/10 05:45 PM	34	High Utilization	High Usage Subsided	0:13
OE013636461	Alexandria	03/12/10 05:39 PM	03/12/10 05:52 PM	4	Equipment Failure	Replaced	0:31
OE013637540	Alexandria	03/12/10 09:01 PM	03/12/10 09:45 PM	39	High Utilization	High Usage Subsided	0:43
OE013638726	Alexandria	03/13/10 05:43 AM	03/13/10 04:39 AM	283,316	Third Party Hardware/Software	Digital Program Supplier	0:48
OE013638634	Alexandria	03/13/10 10:17 AM	03/13/10 11:24 AM	4	Equipment Failure	Fuse	1:07
OE013644851	Alexandria	03/15/10 02:48 AM	03/15/10 05:34 AM	6	Equipment Failure	Tap/Fuse Plate	2:54
OE013645709	Alexandria	03/15/10 09:11 AM	03/15/10 09:35 AM	3	No fault/ Cleared by NetExpert	Refer to Field Service Tech	0:25
OE013646889	Alexandria	03/15/10 02:42 PM	03/15/10 03:32 PM	23	Fiber/Coaxial/Plant Damage	Repaired Aerial Coax	0:50
OE013651382	Alexandria	03/16/10 04:28 PM	03/16/10 05:33 PM	48	Equipment Adjustment	Repaired Damaged Plant	1:05
OE013671443	Alexandria	03/17/10 01:22 PM	03/17/10 03:15 PM	10	Equipment Failure	Connector	1:53
OE013676669	Alexandria	03/17/10 03:21 PM	03/17/10 04:04 PM	8	Equipment Adjustment	Repaired	0:42
OE013676648	Alexandria	03/17/10 03:28 PM	03/17/10 04:08 PM	97	Equipment Adjustment	Repaired	0:39
OE013677813	Alexandria	03/17/10 05:07 PM	03/17/10 07:53 PM	7	Equipment Adjustment	Repaired Under Ground Coax	2:46
OE013686695	Alexandria	03/18/10 07:22 AM	03/18/10 08:10 AM	6	Unplanned Outage	No Trouble Found	0:58
OE013686669	Alexandria	03/18/10 03:51 PM	03/18/10 03:59 PM	22	Customer equipment/wiring	Trap/Decoder	0:08
OE013686674	Alexandria	03/18/10 11:13 AM	03/18/10 05:38 PM	44	Equipment Failure	Repaired Damaged Plant	6:25
OE013686662	Alexandria	03/18/10 11:27 AM	03/18/10 12:14 PM	13	Unplanned Outage	Disconnect Illegal Drops	0:47
OE013691466	Alexandria	03/20/10 10:01 PM	03/20/10 11:00 PM	69	High Utilization	High Usage Subsided	0:58
OE013711469	Alexandria	03/22/10 07:10 PM	03/22/10 08:03 PM	4	Equipment Failure	Replaced	1:53
OE013716811	Alexandria	03/23/10 01:05 PM	03/23/10 01:28 PM	322	Equipment Adjustment	Signal Interruption Complete	0:23
OE013716762	Alexandria	03/23/10 12:58 PM	03/23/10 01:29 PM	117	Equipment Adjustment	Signal Interruption Complete	0:31
OE013716889	Alexandria	03/23/10 04:46 PM	03/23/10 05:03 PM	4	Equipment Adjustment	Repaired Aerial Coax	0:16
OE013726394	Alexandria	03/24/10 04:22 PM	03/24/10 04:31 PM	35	Equipment Failure	Fuse	0:09
OE013733388	Alexandria	03/25/10 05:16 AM	03/25/10 05:23 AM	161	Equipment Adjustment	Signal Interruption Complete	0:07
OE013736137	Alexandria	03/25/10 11:31 AM	03/25/10 12:01 PM	139	Equipment Adjustment	Signal Interruption Complete	0:30
OE013738889	Alexandria	03/25/10 03:05 PM	03/25/10 04:00 PM	97	Equipment Adjustment	Signal Interruption Complete	0:55
OE013764781	Alexandria	03/26/10 04:41 PM	03/26/10 07:37 PM	13	HFC Plant Damage	Repaired Aerial Coax	2:56
OE013768885	Alexandria	03/27/10 08:37 PM	03/27/10 10:29 PM	84	High Utilization	High Usage Subsided	1:52
OE013768138	Alexandria	03/01/10 11:47 AM	03/01/10 12:51 PM	10	Equipment Failure	Repaired	1:04
OE013664125	Alexandria	03/08/10 09:59 PM	03/08/10 11:09 PM	97	High Utilization	High Usage Subsided	3:09
OE013668618	Alexandria	03/07/10 09:26 AM	03/07/10 09:46 AM	16	Equipment Failure	Repaired/Replaced Cut or Damaged Coax	3:20
OE013667338	Alexandria	03/07/10 05:46 PM	03/07/10 09:30 PM	27	Equipment Failure-Hardware	See Change Issues	0:44
OE013668681	Alexandria	03/09/10 09:25 AM	03/09/10 11:05 AM	22	Equipment Failure	Repaired	1:40
OE013646688	Alexandria	03/09/10 12:36 AM	03/09/10 01:28 AM	4	Equipment Failure	Replaced	1:01
OE013646685	Alexandria	03/09/10 03:44 PM	03/09/10 03:46 PM	6	Unplanned Outage	No Trouble Found	0:01
OE013666636	Alexandria	03/11/10 05:43 AM	03/11/10 07:11 AM	7	Equipment Failure	Repaired	0:28
OE013666632	Alexandria	03/11/10 10:37 AM	03/11/10 11:09 AM	22	Equipment Adjustment	Signal Interruption Complete	0:33
OE013666639	Alexandria	03/11/10 11:26 AM	03/11/10 11:38 AM	53	Equipment Adjustment	Signal Interruption Complete	0:12
OE013666612	Alexandria	03/11/10 12:36 PM	03/11/10 12:49 PM	32	Equipment Adjustment	Signal Interruption Complete	0:10
OE013671691	Alexandria	03/11/10 01:46 PM	03/11/10 02:19 PM	15	Equipment Adjustment	Signal Interruption Complete	0:23
OE013673174	Alexandria	03/11/10 02:21 PM	03/11/10 02:35 PM	11	Equipment Adjustment	Signal Interruption Complete	0:14

GE913676416	Alexandria	03/11/10 10:43 PM	03/12/10 02:16 AM	153	Equipment Failure	Power Inverter - Replaced	3:33
GE913676888	Alexandria	03/12/10 09:47 AM	03/12/10 09:58 AM	11	Equipment Adjustment	Signal Interruption Complete	0:09
GE913680535	Alexandria	03/12/10 10:09 AM	03/12/10 11:33 AM	13	Equipment Adjustment	Connector	0:43
GE913680842	Alexandria	03/12/10 09:48 PM	03/12/10 11:45 PM	84	High Utilization	High Usage Subsided	2:56
GE913680877	Alexandria	03/13/10 09:36 AM	03/13/10 10:34 AM	114	Equipment Adjustment	Signal Interruption Complete	0:57
GE913680942	Alexandria	03/13/10 11:58 AM	03/13/10 12:25 PM	8	Equipment Adjustment	Signal Interruption Complete	0:27
GE913680453	Alexandria	03/13/10 09:01 PM	03/13/10 11:16 PM	160	High Utilization	High Usage Subsided	3:13
GE913680886	Alexandria	03/14/10 05:46 PM	03/14/10 06:00 PM	30	Equipment Failure-Hardware	High Usage Subsided	0:13
GE913813734	Alexandria	03/16/10 11:21 AM	03/16/10 11:32 AM	9	Equipment Adjustment	Fuse	0:11
GE913814162	Alexandria	03/16/10 11:49 AM	03/16/10 12:07 PM	78	Equipment Adjustment	Signal Interruption Complete	0:18
GE913814782	Alexandria	03/16/10 12:39 PM	03/16/10 01:22 PM	14	Equipment Adjustment	Repaired Under Ground Coax	1:02
GE913814336	Alexandria	03/16/10 12:09 PM	03/16/10 01:31 PM	19	Equipment Adjustment	Signal Interruption Complete	1:22
GE913844218	Alexandria	03/16/10 02:23 PM	03/16/10 03:23 PM	10	Equipment Adjustment	Signal Interruption Complete	1:00
GE913844885	Alexandria	03/16/10 02:25 PM	03/16/10 03:09 PM	10	Equipment Adjustment	Signal Interruption Complete	0:25
GE913845485	Alexandria	03/16/10 05:32 PM	03/16/10 05:44 PM	30	Equipment Adjustment	Signal Interruption Complete	0:12
GE913823716	Alexandria	03/17/10 06:23 AM	03/13/10 03:05 AM	160	Equipment Failure	Repaired	0:43
GE913823679	Alexandria	03/17/10 07:32 AM	03/17/10 07:49 AM	8	Equipment Adjustment	Signal Interruption Complete	0:17
GE913823755	Alexandria	03/17/10 07:33 AM	03/17/10 07:49 AM	8	Equipment Adjustment	Signal Interruption Complete	0:16
GE913824859	Alexandria	03/17/10 09:47 AM	03/17/10 10:08 AM	22	Equipment Adjustment	Signal Interruption Complete	0:21
GE913824847	Alexandria	03/17/10 10:50 AM	03/17/10 11:01 AM	34	Flood/Cannot/Plant Damage	Repaired Under Ground Coax	1:09
GE913825875	Alexandria	03/17/10 12:00 PM	03/17/10 12:42 PM	30	Equipment Adjustment	Signal Interruption Complete	0:42
GE913825926	Alexandria	03/17/10 03:10 PM	03/17/10 03:36 PM	74	Equipment Adjustment	Signal Interruption Complete	0:25
GE913825847	Alexandria	03/17/10 09:20 PM	03/17/10 10:47 PM	56	Equipment Failure	Optical Connector	1:28
GE913833744	Alexandria	03/18/10 12:16 AM	03/18/10 08:01 AM	4	Equipment Failure	Repaired Under Ground Coax	8:45
GE913826511	Alexandria	03/18/10 10:07 AM	03/18/10 10:19 AM	74	Equipment Adjustment	Signal Interruption Complete	0:12
GE913826894	Alexandria	03/18/10 10:39 AM	03/18/10 11:18 AM	74	Equipment Adjustment	Signal Interruption Complete	0:48
GE913826613	Alexandria	03/18/10 12:38 PM	03/18/10 01:02 PM	11	Equipment Adjustment	Signal Interruption Complete	0:21
GE913826892	Alexandria	03/18/10 02:18 PM	03/18/10 02:31 PM	20	Equipment Adjustment	Signal Interruption Complete	0:13
GE913826898	Alexandria	03/18/10 11:18 PM	03/20/10 03:25 AM	48	Natural Disaster/Fire/Explosion	Installed Temporary Cable	4:05
GE913826872	Alexandria	03/20/10 09:24 AM	03/20/10 09:36 AM	82	Equipment Adjustment	Signal Interruption Complete	0:12
GE913827137	Alexandria	03/20/10 11:43 AM	03/20/10 12:51 PM	27	Unplanned Outage	Repaired	1:08
GE913826409	Alexandria	03/20/10 03:56 PM	03/20/10 04:33 PM	13	Equipment Adjustment	Signal Interruption Complete	0:37
GE913826826	Alexandria	03/20/10 05:58 PM	03/20/10 08:09 PM	248,966	Equipment Failure-Hardware	Booster Retested	0:09
GE913826804	Alexandria	03/20/10 08:14 PM	03/20/10 10:38 PM	85	Unplanned Outage	Optical Connector	1:24
GE913826446	Alexandria	03/20/10 08:28 PM	03/21/10 12:28 AM	47	High Utilization	High Usage Subsided	2:59
GE913826705	Alexandria	03/21/10 10:43 AM	03/21/10 10:48 AM	85	Equipment Adjustment	Signal Interruption Complete	0:05
GE913826863	Alexandria	03/22/10 09:17 AM	03/22/10 09:26 AM	443	Equipment Adjustment	Signal Interruption Complete	0:08
GE913826537	Alexandria	03/22/10 09:44 AM	03/22/10 10:19 AM	84	Equipment Adjustment	Signal Interruption Complete	0:35
GE913826329	Alexandria	03/22/10 10:45 AM	03/22/10 11:09 AM	85	Equipment Adjustment	Signal Interruption Complete	0:23
GE913871855	Alexandria	03/22/10 04:05 PM	03/22/10 05:33 PM	48	Equipment Failure	Repaired	1:28
GE913826161	Alexandria	03/23/10 06:35 AM	03/23/10 07:53 AM	4	Unplanned Outage	No Trouble Found	1:18
GE913826740	Alexandria	03/23/10 08:50 AM	03/23/10 09:04 AM	116	Equipment Adjustment	Signal Interruption Complete	0:13

OE913977885	Alexandria	03/23/10 10:22 AM	03/23/10 10:38 AM	288	Equipment Adjustment	Signal Interruption Complete	0:16
OE913977927	Alexandria	03/23/10 09:20 AM	03/23/10 11:30 AM	83,887	Failed/Degraded Hardware	Governor Reconfigured	1:10
OE913988284	Alexandria	03/23/10 04:47 PM	03/23/10 05:42 PM	116	Equipment Failure	Replaced Connector	1:35
OE913988918	Alexandria	03/23/10 05:27 PM	03/23/10 05:55 PM	116	Equipment Adjustment	Signal Interruption Complete	0:27
OE913988985	Alexandria	03/24/10 09:09 AM	03/24/10 09:35 AM	146	Equipment Adjustment	Signal Interruption Complete	0:26
OE913989439	Alexandria	03/24/10 09:17 AM	03/24/10 09:23 AM	184	Equipment Adjustment	Signal Interruption Complete	0:06
OE913989804	Alexandria	03/24/10 09:32 AM	03/24/10 09:50 AM	18	Equipment Failure-Software	NOD Software Regained	0:17
OE913989968	Alexandria	03/24/10 09:51 AM	03/24/10 11:02 AM	188	Equipment Adjustment	2305 Returned to Headend	2:11
OE913990291	Alexandria	03/24/10 11:11 AM	03/24/10 11:18 AM	138	Equipment Adjustment	Signal Interruption Complete	0:07
OE913990586	Alexandria	03/24/10 12:15 PM	03/24/10 01:27 PM	34	Equipment Adjustment	Signal Interruption Complete	1:12
OE913991352	Alexandria	03/24/10 01:56 PM	03/24/10 02:04 PM	188	Equipment Adjustment	Signal Interruption Complete	0:07
OE913991602	Alexandria	03/24/10 02:13 PM	03/24/10 02:38 PM	54	Equipment Adjustment	Signal Interruption Complete	0:24
OE913991952	Alexandria	03/24/10 02:46 PM	03/24/10 03:07 PM	54	Equipment Adjustment	Signal Interruption Complete	0:21
OE913992412	Alexandria	03/24/10 03:12 PM	03/24/10 03:42 PM	27	Equipment Adjustment	Signal Interruption Complete	0:30
OE913992841	Alexandria	03/25/10 07:33 AM	03/25/10 07:42 AM	167	Equipment Adjustment	Signal Interruption Complete	0:09
OE913993027	Alexandria	03/25/10 09:04 AM	03/25/10 09:17 AM	9	Equipment Adjustment	Signal Interruption Complete	0:13
OE913993147	Alexandria	03/25/10 10:13 AM	03/25/10 10:42 AM	54	Equipment Adjustment	Signal Interruption Complete	0:29
OE913993574	Alexandria	03/25/10 11:07 AM	03/25/10 11:24 AM	188	Equipment Adjustment	Signal Interruption Complete	0:17
OE914993589	Alexandria	03/25/10 01:49 PM	03/25/10 01:54 PM	88	Equipment Adjustment	Signal Interruption Complete	0:04
OE914993162	Alexandria	03/25/10 01:28 PM	03/25/10 02:06 PM	34	Equipment Failure	Regained	0:38
OE914993724	Alexandria	03/25/10 02:10 PM	03/25/10 04:13 PM	43	Equipment Adjustment	Repaired	2:02
OE914993348	Alexandria	03/25/10 08:16 PM	03/25/10 08:30 PM	188	Server Hardware Failure	Edge QAM - MQAM	0:13
OE914994882	Alexandria	03/26/10 12:07 PM	03/26/10 12:26 PM	247	Equipment Adjustment	Signal Interruption Complete	0:18
OE914914339	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	274	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914389	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	95	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914361	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	193	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914362	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	193	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914365	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	247	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914371	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	112	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914372	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	76	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914373	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	127	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914374	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	145	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914375	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	167	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914376	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	128	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914468	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	88	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914469	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	97	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914410	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	74	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914411	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	82	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914412	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	188	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914413	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	76	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914414	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	188	Server Hardware Failure	Edge QAM - MQAM	19:04
OE914914416	Alexandria	03/25/10 08:16 PM	03/26/10 04:21 PM	76	Server Hardware Failure	Edge QAM - MQAM	19:04

OE0314914421	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	55	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914422	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	37	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914423	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	37	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914425	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	19	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914426	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	167	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914428	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	145	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914429	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	144	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914430	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	74	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914431	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	89	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914432	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	74	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914434	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	123	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914435	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	166	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914441	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	23	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914443	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	61	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914444	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	8	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914445	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	21	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914447	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	166	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914448	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	166	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914451	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	119	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914452	Alexandria	03/25/10 09:16 PM	03/26/10 04:21 PM	467	Server Hardware Failure	Edge QAM - MQAM	19:04
OE0314914571	Alexandria	03/26/10 05:50 PM	03/26/10 04:51 PM	270	Equipment Failure	Repaired	0:51
OE0314915949	Alexandria	03/26/10 04:55 PM	03/26/10 05:00 PM	13	Server Hardware Failure	Edge QAM - MQAM	0:05
OE0314916058	Alexandria	03/26/10 05:45 PM	03/26/10 10:45 PM	73	High Utilization	High Usage Subsided	1:38
OE0314917349	Alexandria	03/27/10 08:16 AM	03/27/10 08:46 AM	77	Equipment Adjustment	Signal Interruption Complete	0:29
OE0314917485	Alexandria	03/27/10 09:08 AM	03/27/10 09:23 AM	24	Equipment Adjustment	Signal Interruption Complete	0:15
OE0314920145	Alexandria	03/27/10 05:05 PM	03/27/10 11:45 PM	40	High Utilization	High Usage Subsided	2:40
OE0314923381	Alexandria	03/28/10 06:45 PM	03/28/10 07:08 PM	102,382	Failed/Degraded Hardware	SM-6480	0:23
OE0314923849	Alexandria	03/28/10 09:31 PM	03/28/10 10:15 PM	43	High Utilization	High Usage Subsided	1:44
OE0314923969	Alexandria	03/29/10 12:31 PM	03/29/10 01:15 PM	10	Equipment Adjustment	Signal Interruption Complete	0:44
OE0314925715	Alexandria	03/29/10 05:05 AM	03/29/10 05:20 PM	53,515	Equipment Failure-Hardware	Digital Equipment Repaired	9:14
OE0314924753	Alexandria	03/29/10 09:35 AM	03/29/10 09:34 AM	69	Equipment Adjustment	Signal Interruption Complete	0:09
OE0314924885	Alexandria	03/29/10 09:49 AM	03/29/10 09:58 AM	39	Equipment Adjustment	Signal Interruption Complete	0:08
OE0314925345	Alexandria	03/29/10 10:39 AM	03/29/10 10:49 AM	130	Equipment Adjustment	Signal Interruption Complete	0:10
OE0314925894	Alexandria	03/29/10 09:59 AM	03/30/10 10:40 AM	24	Equipment Adjustment	Signal Interruption Complete	0:41
OE0314926787	Alexandria	03/29/10 12:16 PM	03/29/10 12:26 PM	7	Equipment Adjustment	Signal Interruption Complete	0:09
OE0314927966	Alexandria	03/29/10 12:39 PM	03/30/10 12:39 PM	7	Equipment Adjustment	Signal Interruption Complete	0:09
OE0314928942	Alexandria	03/29/10 12:31 PM	03/30/10 12:39 PM	163	Equipment Adjustment	Signal Interruption Complete	0:09
OE0314927827	Alexandria	03/29/10 12:32 PM	03/29/10 12:49 PM	99	Equipment Adjustment	Signal Interruption Complete	0:08
OE0314928587	Alexandria	03/29/10 12:29 PM	03/30/10 12:41 PM	167	Equipment Adjustment	Signal Interruption Complete	0:11
OE0314946916	Alexandria	03/31/10 08:02 AM	03/31/10 08:29 AM	75	Equipment Adjustment	Signal Interruption Complete	0:27
OE0314947269	Alexandria	03/31/10 10:09 AM	03/31/10 10:21 AM	66	Equipment Adjustment	Signal Interruption Complete	0:12
OE0314948767	Alexandria	03/31/10 11:39 AM	03/31/10 12:10 PM	27	Equipment Adjustment	Signal Interruption Complete	0:32

[redacted]	Alexandria	03/31/10 12:32 PM	03/31/10 01:09 PM	1	Equipment Adjustment	Signal Interruption Complete	0:36
[redacted]	Alexandria	03/31/10 01:09 PM	03/31/10 02:01 PM	27	Equipment Adjustment	Signal Interruption Complete	0:52
[redacted]	Alexandria	03/31/10 01:44 PM	03/31/10 02:32 PM	32	Equipment Adjustment	Signal Interruption Complete	0:47
[redacted]	Alexandria	03/31/10 02:27 PM	03/31/10 04:59 PM	139	Equipment Adjustment	Signal Interruption Complete	0:32
[redacted]	Alexandria	03/31/10 03:24 PM	03/31/10 04:01 PM	2	Equipment Adjustment	Signal Interruption Complete	0:37
[redacted]	Alexandria	03/31/10 03:28 PM	03/31/10 04:02 PM	78	Equipment Adjustment	Signal Interruption Complete	0:33
[redacted]	Alexandria	03/31/10 03:25 PM	03/31/10 04:04 PM	78	Equipment Adjustment	Signal Interruption Complete	0:39
[redacted]	Alexandria	04/01/10 07:08 AM	04/01/10 07:45 AM	85	Equipment Adjustment	Signal Interruption Complete	0:36
[redacted]	Alexandria	04/01/10 07:51 AM	04/01/10 08:27 AM	105	Equipment Adjustment	Signal Interruption Complete	0:36
[redacted]	Alexandria	04/01/10 08:37 AM	04/01/10 09:02 AM	105	Equipment Adjustment	Signal Interruption Complete	0:34
[redacted]	Alexandria	04/01/10 09:34 AM	04/01/10 09:39 AM	5	Equipment Adjustment	Signal Interruption Complete	0:19
[redacted]	Alexandria	04/01/10 11:36 AM	04/01/10 11:49 AM	23	Equipment Adjustment	Signal Interruption Complete	0:12
OE014068538	Alexandria	04/01/10 12:07 PM	04/01/10 12:58 PM	179	Equipment Adjustment	Signal Interruption Complete	0:50
OE014068397	Alexandria	04/01/10 01:00 PM	04/01/10 01:38 PM	148	Equipment Adjustment	Signal Interruption Complete	0:38
[redacted]	Alexandria	04/01/10 01:13 PM	04/01/10 01:24 PM	69	Equipment Adjustment	Signal Interruption Complete	0:10
[redacted]	Alexandria	04/01/10 01:48 PM	04/01/10 03:26 PM	97	Equipment Adjustment	Signal Interruption Complete	1:37
[redacted]	Alexandria	04/01/10 05:36 PM	04/01/10 05:57 PM	166,166	Equipment Failure-Hardware	DM-6409	0:21
[redacted]	Alexandria	04/02/10 02:43 PM	04/02/10 02:55 PM	84	Equipment Adjustment	Signal Interruption Complete	0:11
OE014073814	Alexandria	04/02/10 03:12 PM	04/02/10 03:33 PM	269	Equipment Adjustment	Signal Interruption Complete	0:21
[redacted]	Alexandria	04/02/10 03:11 PM	04/02/10 03:33 PM	242	Equipment Adjustment	Signal Interruption Complete	0:22
[redacted]	Alexandria	04/02/10 03:14 PM	04/02/10 03:34 PM	139	Equipment Adjustment	Signal Interruption Complete	0:19
[redacted]	Alexandria	04/02/10 09:01 PM	04/02/10 11:39 PM	45	High Utilization	High Usage Subsided	2:38
[redacted]	Alexandria	04/03/10 05:37 AM	04/03/10 08:03 AM	4	Unplanned Outage	Regained Apalxi Coax	2:26
[redacted]	Alexandria	04/03/10 11:29 AM	04/03/10 11:38 AM	178	Equipment Adjustment	Signal Interruption Complete	0:16
[redacted]	Alexandria	04/03/10 11:53 AM	04/03/10 12:02 PM	89	Equipment Adjustment	Signal Interruption Complete	0:09
[redacted]	Alexandria	04/03/10 08:01 PM	04/03/10 10:59 PM	37	High Utilization	High Usage Subsided	2:58

[redacted] Outages
1st Quarter 2010
Self-Cleared

Outage Id	Outage Area	Actual Start	Actual End	Minutes Affected	Cause Descr	Sel Descr	Outage Duration
OE013544606	Alexandria	03/03/10 02:46 PM	03/03/10 02:39 PM	27	Control Error	Alarm Self Cleared	0:43
OE013571384	Alexandria	03/07/10 05:05 AM	03/07/10 09:25 AM	116	Equipment Adjustment	Alarm Self Cleared	4:16
OE013588646	Alexandria	03/09/10 02:24 PM	03/09/10 03:00 PM	36	Equipment Failure-Software	Alarm Self Cleared	0:35
OE013668682	Alexandria	03/29/10 12:13 PM	03/29/10 12:29 PM	85	UPC Fiber Damage	Alarm Self Cleared	0:16
OE013913884	Alexandria	03/16/10 12:31 PM	03/16/10 05:39 PM	58	High Utilization	Alarm Self Cleared	4:08
OE013978682	Alexandria	04/06/10 09:09 AM	04/06/10 09:11 AM	187	Problem Cleared in Testing	Alarm Self Cleared	0:03
OE014004689	Alexandria	04/06/10 07:24 PM	04/06/10 08:26 PM	208	Problem Cleared in Testing	Alarm Self Cleared	1:02
OE014007671	Alexandria	04/06/10 10:37 AM	04/06/10 10:42 AM	184	Problem Cleared in Testing	Alarm Self Cleared	0:05
OE014004435	Alexandria	04/06/10 12:48 PM	04/06/10 01:01 PM	436	Problem Cleared in Testing	Alarm Self Cleared	0:14
OE014008911	Alexandria	04/06/10 01:48 PM	04/06/10 02:15 PM	121	Problem Cleared in Testing	Alarm Self Cleared	0:27
OE014004669	Alexandria	04/06/10 02:37 PM	04/06/10 02:59 PM	164	Problem Cleared in Testing	Alarm Self Cleared	0:22
OE014008682	Alexandria	04/11/10 02:14 PM	04/11/10 02:30 PM	156	Problem Cleared in Testing	Alarm Self Cleared	0:16
OE014078422	Alexandria	04/12/10 02:06 PM	04/12/10 02:27 PM	48	Problem Cleared in Testing	Alarm Self Cleared	1:21
OE013994697	Alexandria	04/14/10 02:51 AM	04/14/10 02:05 AM	138	Problem Cleared in Testing	Alarm Self Cleared	0:14
OE014008845	Alexandria	04/14/10 04:08 PM	04/14/10 04:30 PM	45	Problem Cleared in Testing	Alarm Self Cleared	0:20
OE014008485	Alexandria	04/15/10 11:48 AM	04/15/10 12:18 PM	6	Problem Cleared in Testing	Alarm Self Cleared	0:30
OE014008824	Alexandria	04/15/10 04:54 PM	04/15/10 05:07 PM	170	Problem Cleared in Testing	Alarm Self Cleared	0:12
OE014008884	Alexandria	04/16/10 02:03 AM	04/16/10 02:48 AM	276	Problem Cleared in Testing	Alarm Self Cleared	0:01
OE014008483	Alexandria	04/16/10 03:19 AM	04/16/10 04:35 AM	166	Problem Cleared in Testing	Alarm Self Cleared	1:15
OE014035710	Alexandria	04/20/10 03:30 PM	04/20/10 04:00 PM	60	Problem Cleared in Testing	Alarm Self Cleared	0:30
OE014035730	Alexandria	04/21/10 02:12 AM	04/21/10 02:18 AM	48	Problem Cleared in Testing	Alarm Self Cleared	1:06
OE014035723	Alexandria	04/21/10 02:12 AM	04/21/10 02:18 AM	18	Problem Cleared in Testing	Alarm Self Cleared	1:06
OE014035734	Alexandria	04/21/10 02:12 AM	04/21/10 02:19 AM	66	Problem Cleared in Testing	Alarm Self Cleared	1:07
OE014035735	Alexandria	04/21/10 02:12 AM	04/21/10 02:21 AM	28	Problem Cleared in Testing	Alarm Self Cleared	1:08
OE014034977	Alexandria	04/21/10 04:22 AM	04/21/10 04:28 AM	174	Problem Cleared in Testing	Alarm Self Cleared	0:05
OE014035085	Alexandria	04/21/10 09:35 PM	04/21/10 04:38 PM	64	Problem Cleared in Testing	Alarm Self Cleared	1:02
OE014035083	Alexandria	04/22/10 10:15 AM	04/22/10 10:25 AM	90	Problem Cleared in Testing	Alarm Self Cleared	0:09
OE013709682	Alexandria	03/02/10 08:10 PM	03/02/10 08:32 PM	204,010	Problem Cleared in Testing	Alarm Self Cleared	0:14
OE013681214	Alexandria	03/12/10 11:48 AM	03/12/10 01:00 PM	13	Problem Cleared in Testing	Alarm Self Cleared	1:13
OE013688888	Alexandria	03/14/10 08:10 PM	03/14/10 08:38 PM	30	Problem Cleared in Testing	Alarm Self Cleared	0:13
OE013688872	Alexandria	03/04/10 09:45 PM	03/04/10 10:59 PM	44	Problem Cleared in Testing	Alarm Self Cleared	1:14
OE014035685	Alexandria	03/25/10 08:45 PM	03/25/10 07:15 PM	10	Problem Cleared in Testing	Alarm Self Cleared	0:30
OE013435888	Alexandria	04/02/10 02:32 AM	04/02/10 02:38 AM	168	Unplanned Outage	Alarm Self Cleared	0:06
OE013435848	Alexandria	04/10/10 02:10 AM	04/10/10 02:51 AM	95	Unplanned Outage	Alarm Self Cleared	0:31
OE013446884	Alexandria	04/10/10 02:15 AM	04/10/10 02:24 AM	8	Unplanned Outage	Alarm Self Cleared	0:38
OE013435448	Alexandria	04/20/10 02:21 PM	04/20/10 02:25 PM	192	Unplanned Outage	Alarm Self Cleared	0:06
OE013464882	Alexandria	04/24/10 02:51 AM	04/24/10 02:27 AM	48	Unplanned Outage	Alarm Self Cleared	0:36
OE013535335	Alexandria	03/03/10 11:26 PM	03/03/10 12:22 AM	124	Unplanned Outage	Alarm Self Cleared	0:57
OE013535348	Alexandria	03/04/10 11:20 PM	03/03/10 12:25 AM	364	Unplanned Outage	Alarm Self Cleared	0:56
OE013535188	Alexandria	03/02/10 10:53 PM	03/03/10 11:20 PM	42	Unplanned Outage	Alarm Self Cleared	0:35
OE013546882	Alexandria	03/04/10 01:50 AM	03/04/10 02:10 AM	10	Unplanned Outage	Alarm Self Cleared	0:19
OE013547884	Alexandria	03/04/10 10:45 AM	03/04/10 10:43 AM	48	Unplanned Outage	Alarm Self Cleared	0:27
OE013555881	Alexandria	03/05/10 02:40 PM	03/05/10 02:45 PM	20	Unplanned Outage	Alarm Self Cleared	0:05
OE013555884	Alexandria	03/05/10 10:00 AM	03/05/10 03:15 PM	62	Unplanned Outage	Alarm Self Cleared	10:05

Alexandria Outages
1st Quarter 2010
Self-Cleared

[redacted]	Alexandria	[redacted]	[redacted]	23	Unplanned Outage	Alarm Self Cleared	4:53
[redacted]	Alexandria	[redacted]	[redacted]	146	Unplanned Outage	Alarm Self Cleared	2:46
[redacted]	Alexandria	[redacted]	[redacted]	83	Unplanned Outage	Alarm Self Cleared	3:16
[redacted]	Alexandria	[redacted]	[redacted]	83	Unplanned Outage	Alarm Self Cleared	3:27
[redacted]	Alexandria	[redacted]	[redacted]	26	Unplanned Outage	Alarm Self Cleared	3:57
[redacted]	Alexandria	[redacted]	[redacted]	123	Unplanned Outage	Alarm Self Cleared	23:59
[redacted]	Alexandria	[redacted]	[redacted]	34	Unplanned Outage	Alarm Self Cleared	4:04
[redacted]	Alexandria	[redacted]	[redacted]	287	Unplanned Outage	Alarm Self Cleared	4:49
[redacted]	Alexandria	[redacted]	[redacted]	84	Unplanned Outage	Alarm Self Cleared	4:04
[redacted]	Alexandria	[redacted]	[redacted]	73	Unplanned Outage	Alarm Self Cleared	4:42
[redacted]	Alexandria	[redacted]	[redacted]	348	Unplanned Outage	Alarm Self Cleared	5:29
[redacted]	Alexandria	[redacted]	[redacted]	169	Unplanned Outage	Alarm Self Cleared	5:49
[redacted]	Alexandria	[redacted]	[redacted]	38	Unplanned Outage	Alarm Self Cleared	12:59
[redacted]	Alexandria	[redacted]	[redacted]	85	Unplanned Outage	Alarm Self Cleared	37:11
[redacted]	Alexandria	[redacted]	[redacted]	4	Unplanned Outage	Alarm Self Cleared	49:16
[redacted]	Alexandria	[redacted]	[redacted]	7	Unplanned Outage	Alarm Self Cleared	1:19
[redacted]	Alexandria	[redacted]	[redacted]	66	Unplanned Outage	Alarm Self Cleared	1:56
[redacted]	Alexandria	[redacted]	[redacted]	74	Unplanned Outage	Alarm Self Cleared	1:57
[redacted]	Alexandria	[redacted]	[redacted]	256	Unplanned Outage	Alarm Self Cleared	5:26
[redacted]	Alexandria	[redacted]	[redacted]	114	Unplanned Outage	Alarm Self Cleared	5:27
[redacted]	Alexandria	[redacted]	[redacted]	126	Unplanned Outage	Alarm Self Cleared	5:49
[redacted]	Alexandria	[redacted]	[redacted]	46	Unplanned Outage	Alarm Self Cleared	2:39
[redacted]	Alexandria	[redacted]	[redacted]	8	Unplanned Outage	Alarm Self Cleared	2:17
[redacted]	Alexandria	[redacted]	[redacted]	41	Unplanned Outage	Alarm Self Cleared	5:31
[redacted]	Alexandria	[redacted]	[redacted]	84	Unplanned Outage	Alarm Self Cleared	5:38
[redacted]	Alexandria	[redacted]	[redacted]	48	Unplanned Outage	Alarm Self Cleared	5:57
[redacted]	Alexandria	[redacted]	[redacted]	6	Unplanned Outage	Alarm Self Cleared	5:15
[redacted]	Alexandria	[redacted]	[redacted]	6	Unplanned Outage	Alarm Self Cleared	5:55
[redacted]	Alexandria	[redacted]	[redacted]	13	Unplanned Outage	Alarm Self Cleared	1:20
[redacted]	Alexandria	[redacted]	[redacted]	77	Unplanned Outage	Alarm Self Cleared	5:39
[redacted]	Alexandria	[redacted]	[redacted]	135	Unplanned Outage	Alarm Self Cleared	5:35
[redacted]	Alexandria	[redacted]	[redacted]	265	Unplanned Outage	Alarm Self Cleared	5:39
[redacted]	Alexandria	[redacted]	[redacted]	115	Unplanned Outage	Alarm Self Cleared	5:31
[redacted]	Alexandria	[redacted]	[redacted]	9	Unplanned Outage	Alarm Self Cleared	5:57
[redacted]	Alexandria	[redacted]	[redacted]	283	Unplanned Outage	Alarm Self Cleared	5:23
[redacted]	Alexandria	[redacted]	[redacted]	167	Unplanned Outage	Alarm Self Cleared	5:45
[redacted]	Alexandria	[redacted]	[redacted]	28	Unplanned Outage	Alarm Self Cleared	5:32

[redacted] Outages
1st Quarter 2010
Commercial Power

Outage Id	Outage Loc	Actual Start	Actual End	Elapsed All Duty	Cause Descr	Fix Descr	Outage Duration
[redacted]	Alexandria	01/07/10 04:10 PM	01/07/10 04:42 PM	32	Commercial Power	Commercial Power Restored	0:31
[redacted]	Alexandria	01/25/10 07:00 AM	01/25/10 07:12 AM	12	Commercial Power	Commercial Power Restored	0:11
[redacted]	Alexandria	02/05/10 11:49 PM	02/06/10 12:58 AM	134	Commercial Power	Commercial Power Restored	1:09
[redacted]	Alexandria	02/05/10 11:39 PM	02/06/10 12:51 AM	132	Commercial Power	Commercial Power Restored	1:22
[redacted]	Alexandria	02/05/10 11:48 PM	02/06/10 01:08 AM	140	Commercial Power	Commercial Power Restored	1:19
[redacted]	Alexandria	02/05/10 11:49 PM	02/06/10 01:13 AM	178	Commercial Power	Commercial Power Restored	1:23
[redacted]	Alexandria	02/06/10 08:29 AM	02/06/10 09:01 AM	92	Commercial Power	Commercial Power Restored	1:32
[redacted]	Alexandria	02/06/10 05:54 AM	02/06/10 08:07 AM	36	Commercial Power	Commercial Power Restored	2:13
[redacted]	Alexandria	02/06/10 09:12 AM	02/06/10 02:35 PM	76	Commercial Power	Commercial Power Restored	5:22
[redacted]	Alexandria	02/06/10 12:18 PM	02/06/10 03:02 PM	208	Commercial Power	Commercial Power Restored	2:44
[redacted]	Alexandria	02/06/10 12:24 PM	02/06/10 04:01 PM	96	Commercial Power	Commercial Power Restored	3:37
[redacted]	Alexandria	02/06/10 09:09 AM	02/06/10 01:13 PM	4	Commercial Power	Commercial Power Restored	8:04
[redacted]	Alexandria	02/06/10 01:52 PM	02/06/10 04:16 PM	37	Commercial Power	Commercial Power Restored	2:24
[redacted]	Alexandria	02/06/10 09:27 PM	02/06/10 04:35 PM	110	Commercial Power	Commercial Power Restored	1:08
[redacted]	Alexandria	02/06/10 01:48 PM	02/06/10 04:41 PM	84	Commercial Power	Commercial Power Restored	2:53
[redacted]	Alexandria	02/06/10 01:41 PM	02/06/10 04:43 PM	85	Commercial Power	Commercial Power Restored	3:02
[redacted]	Alexandria	02/06/10 09:35 AM	02/06/10 04:44 PM	48	Commercial Power	Commercial Power Restored	7:08
[redacted]	Alexandria	02/06/10 01:16 PM	02/06/10 04:46 PM	90	Commercial Power	Commercial Power Restored	3:30
[redacted]	Alexandria	02/06/10 11:28 AM	02/06/10 04:52 PM	24	Commercial Power	Commercial Power Restored	5:23
[redacted]	Alexandria	02/06/10 12:31 PM	02/06/10 04:57 PM	46	Commercial Power	Commercial Power Restored	4:25
[redacted]	Alexandria	02/06/10 12:09 PM	02/06/10 05:18 PM	69	Commercial Power	Commercial Power Restored	5:09
[redacted]	Alexandria	02/06/10 02:03 PM	02/06/10 05:01 PM	38	Commercial Power	Commercial Power Restored	3:58
[redacted]	Alexandria	02/06/10 12:13 PM	02/06/10 05:35 PM	171	Commercial Power	Commercial Power Restored	6:22
[redacted]	Alexandria	02/06/10 01:31 PM	02/06/10 05:36 PM	49	Commercial Power	Commercial Power Restored	5:05
[redacted]	Alexandria	02/06/10 01:05 PM	02/06/10 05:36 PM	19	Commercial Power	Commercial Power Restored	5:32
[redacted]	Alexandria	02/06/10 04:23 AM	02/06/10 06:40 PM	129	Commercial Power	Commercial Power Restored	14:17
[redacted]	Alexandria	02/06/10 05:31 AM	02/06/10 05:44 PM	17	Commercial Power	Commercial Power Restored	12:12
[redacted]	Alexandria	02/06/10 05:31 AM	02/06/10 05:44 PM	30	Commercial Power	Commercial Power Restored	12:13
[redacted]	Alexandria	02/06/10 03:44 PM	02/06/10 05:45 PM	27	Commercial Power	Commercial Power Restored	3:01
[redacted]	Alexandria	02/06/10 03:34 PM	02/06/10 05:48 PM	147	Commercial Power	Commercial Power Restored	3:13
[redacted]	Alexandria	02/06/10 03:24 PM	02/06/10 05:53 PM	78	Commercial Power	Commercial Power Restored	3:28
[redacted]	Alexandria	02/06/10 03:17 PM	02/06/10 05:53 PM	34	Commercial Power	Commercial Power Restored	3:36
[redacted]	Alexandria	02/06/10 03:21 PM	02/06/10 05:53 PM	37	Commercial Power	Commercial Power Restored	3:32
[redacted]	Alexandria	02/06/10 03:29 PM	02/06/10 05:54 PM	6	Commercial Power	Commercial Power Restored	4:24
[redacted]	Alexandria	02/06/10 12:32 PM	02/06/10 07:05 PM	21	Commercial Power	Commercial Power Restored	6:36
[redacted]	Alexandria	02/06/10 03:37 PM	02/06/10 07:24 PM	78	Commercial Power	Commercial Power Restored	6:46
[redacted]	Alexandria	02/06/10 03:49 PM	02/06/10 07:28 PM	44	Commercial Power	Commercial Power Restored	3:48
[redacted]	Alexandria	02/06/10 09:00 AM	02/06/10 07:33 PM	84	Commercial Power	Commercial Power Restored	11:32
[redacted]	Alexandria	02/06/10 11:11 AM	02/06/10 07:45 PM	99	Commercial Power	Commercial Power Restored	8:34
[redacted]	Alexandria	02/06/10 11:02 AM	02/06/10 07:46 PM	99	Commercial Power	Commercial Power Restored	8:44

Alexandria Outages
1st Quarter 2010
Commercial Power

OE013669457	Alexandria	02/05/10 12:54 PM	02/05/10 08:01 PM	66	Commercial Power	Commercial Power Restored	7:07
OE013669466	Alexandria	02/05/10 04:20 PM	02/05/10 08:26 PM	40	Commercial Power	Commercial Power Restored	7:27
OE013669523	Alexandria	02/05/10 08:41 AM	02/05/10 09:28 PM	23	Commercial Power	Commercial Power Restored	13:48
OE013669414	Alexandria	02/05/10 12:48 PM	02/05/10 08:30 PM	46	Commercial Power	Commercial Power Restored	7:42
OE013669348	Alexandria	02/05/10 12:34 PM	02/05/10 08:34 PM	23	Commercial Power	Commercial Power Restored	8:00
OE013669385	Alexandria	02/05/10 03:44 PM	02/05/10 09:26 PM	98	Commercial Power	Commercial Power Restored	5:41
OE013670610	Alexandria	02/05/10 08:39 PM	02/07/10 12:23 AM	280	Commercial Power	Commercial Power Restored	2:44
OE013670464	Alexandria	02/05/10 09:17 PM	02/07/10 01:25 AM	488	Commercial Power	Commercial Power Restored	4:08
OE013670732	Alexandria	02/05/10 11:48 PM	02/07/10 01:26 AM	138	Commercial Power	Commercial Power Restored	1:38
OE013664882	Alexandria	02/05/10 04:05 AM	02/07/10 05:11 AM	77	Commercial Power	Commercial Power Restored	25:06
OE013657481	Alexandria	02/05/10 11:31 AM	02/07/10 05:57 AM	154	Commercial Power	Commercial Power Restored	18:26
OE013657884	Alexandria	02/05/10 12:16 PM	02/07/10 07:00 AM	17	Commercial Power	Commercial Power Restored	18:44
OE013671484	Alexandria	02/07/10 05:45 AM	02/07/10 07:08 AM	117	Commercial Power	Commercial Power Restored	1:23
OE013670514	Alexandria	02/05/10 08:06 PM	02/07/10 07:25 AM	157	Commercial Power	Commercial Power Restored	10:19
OE013665482	Alexandria	02/05/10 05:34 AM	02/07/10 07:28 AM	48	Commercial Power	Commercial Power Restored	25:53
OE013671345	Alexandria	02/07/10 03:57 AM	02/07/10 08:04 AM	85	Commercial Power	Commercial Power Restored	4:06
OE013671146	Alexandria	02/07/10 02:49 AM	02/07/10 08:59 AM	83	Commercial Power	Commercial Power Restored	6:10
OE013667726	Alexandria	02/05/10 12:08 PM	02/07/10 09:13 AM	134	Commercial Power	Commercial Power Restored	21:04
OE013668486	Alexandria	02/05/10 05:22 AM	02/07/10 09:17 AM	52	Commercial Power	Commercial Power Restored	24:55
OE013665178	Alexandria	02/05/10 04:21 AM	02/07/10 09:27 AM	57	Commercial Power	Commercial Power Restored	29:06
OE013664864	Alexandria	02/05/10 04:09 AM	02/07/10 09:35 AM	114	Commercial Power	Commercial Power Restored	29:34
OE013668324	Alexandria	02/05/10 05:13 AM	02/07/10 09:52 AM	98	Commercial Power	Commercial Power Restored	28:39
OE013668536	Alexandria	02/05/10 05:04 AM	02/07/10 09:57 AM	64	Commercial Power	Commercial Power Restored	27:55
OE013670511	Alexandria	02/05/10 08:39 PM	02/07/10 10:13 AM	26	Commercial Power	Commercial Power Restored	12:34
OE013670568	Alexandria	02/05/10 09:57 PM	02/07/10 11:40 AM	130	Commercial Power	Commercial Power Restored	13:42
OE013668886	Alexandria	02/05/10 01:16 PM	02/07/10 11:46 AM	117	Commercial Power	Commercial Power Restored	22:29
OE013672343	Alexandria	02/07/10 11:48 AM	02/07/10 02:44 PM	125	Commercial Power	Commercial Power Restored	2:56
OE013672661	Alexandria	02/07/10 12:11 AM	02/07/10 02:46 PM	121	Commercial Power	Commercial Power Restored	4:35
OE013672688	Alexandria	02/07/10 04:08 PM	02/07/10 05:57 PM	30	Commercial Power	Commercial Power Restored	1:48
OE013668682	Alexandria	02/05/10 01:27 PM	02/07/10 08:48 PM	35	Commercial Power	Commercial Power Restored	29:21
OE013673459	Alexandria	02/07/10 08:38 PM	02/08/10 12:47 PM	14	Commercial Power	Commercial Power Restored	16:09
OE013673634	Alexandria	02/07/10 07:14 PM	02/08/10 01:13 PM	84	Commercial Power	Commercial Power Restored	17:58
OE013664988	Alexandria	02/05/10 03:55 AM	02/08/10 02:12 PM	17	Commercial Power	Repaired Damaged Plant	82:16
OE013664983	Alexandria	02/05/10 03:55 AM	02/08/10 02:34 PM	58	Commercial Power	Repaired Damaged Plant	82:38
OE013622889	Alexandria	02/11/10 12:39 PM	02/11/10 01:09 PM	82	Commercial Power	Commercial Power Restored	0:49
OE013622857	Alexandria	02/11/10 12:18 PM	02/11/10 01:22 PM	45	Commercial Power	Commercial Power Restored	1:03
OE013634142	Alexandria	02/11/10 12:51 PM	02/11/10 01:27 PM	69	Commercial Power	Commercial Power Restored	0:36
OE013634218	Alexandria	02/11/10 12:54 PM	02/14/10 01:28 PM	70	Commercial Power	Commercial Power Restored	0:34
OE013622851	Alexandria	02/11/10 12:39 PM	02/11/10 01:36 PM	88	Commercial Power	Commercial Power Restored	1:06
OE013642889	Alexandria	02/14/10 08:42 AM	02/14/10 10:51 AM	49	Commercial Power	Commercial Power Restored	1:08
OE013642585	Alexandria	02/14/10 08:46 AM	02/14/10 11:08 AM	5	Commercial Power	Commercial Power Restored	1:22
OE013701639	Alexandria	02/21/10 12:16 AM	02/21/10 01:24 AM	7	Commercial Power	Commercial Power Restored	1:09

Alexandria Outages
1st Quarter 2010
Commercial Power

GE013748485	Alexandria	02/28/10 07:41 AM	02/28/10 08:24 AM	28	Commercial Power	Repaired	0:43
GE013748412	Alexandria	02/28/10 10:55 AM	02/28/10 01:17 PM	18	Commercial Power	Commercial Power Restored	2:21
GE013838836	Alexandria	02/28/10 06:25 PM	02/28/10 07:26 PM	48	Commercial Power	Commercial Power Restored	1:01
GE013838864	Alexandria	02/28/10 07:46 PM	02/28/10 08:24 PM	28	Commercial Power	Commercial Power Restored	0:38
GE013838845	Alexandria	02/28/10 08:26 PM	02/28/10 11:12 PM	98	Commercial Power	Commercial Power Restored	4:46
GE013838842	Alexandria	02/28/10 08:07 PM	03/28/10 02:07 AM	183	Commercial Power	Commercial Power Restored	4:59
GE013838848	Alexandria	02/28/10 08:07 PM	02/28/10 08:12 AM	48	Commercial Power	Commercial Power Restored	5:05
GE013844284	Alexandria	02/28/10 11:34 AM	02/28/10 12:07 PM	137	Commercial Power	Commercial Power Restored	0:43
GE013838823	Alexandria	02/28/10 07:26 PM	02/28/10 08:10 PM	26	Commercial Power	Commercial Power Restored	0:43
GE013838853	Alexandria	02/28/10 07:27 PM	02/28/10 08:11 PM	113	Commercial Power	Commercial Power Restored	0:43
GE013838845	Alexandria	02/28/10 07:38 PM	02/28/10 08:12 PM	93	Commercial Power	Commercial Power Restored	0:38
GE013838837	Alexandria	02/28/10 07:29 PM	02/28/10 08:36 PM	79	Commercial Power	Commercial Power Restored	1:16
GE013838846	Alexandria	02/28/10 07:29 PM	02/28/10 08:38 PM	34	Commercial Power	Commercial Power Restored	1:09
GE013838849	Alexandria	02/28/10 07:29 PM	02/28/10 08:38 PM	49	Commercial Power	Commercial Power Restored	1:05
GE013851144	Alexandria	02/28/10 08:10 PM	02/28/10 08:40 PM	13	Commercial Power	Commercial Power Restored	0:21
GE013851382	Alexandria	02/28/10 08:35 PM	02/28/10 08:42 PM	4	Commercial Power	Commercial Power Restored	0:05
GE013838836	Alexandria	02/28/10 07:26 PM	02/28/10 08:43 PM	88	Commercial Power	Commercial Power Restored	1:16
GE013851364	Alexandria	02/28/10 08:36 PM	02/28/10 08:45 PM	4	Commercial Power	Commercial Power Restored	0:08
GE013877488	Alexandria	03/13/10 03:55 AM	03/13/10 08:13 AM	88	Commercial Power	Installed Generator	2:18
GE013877479	Alexandria	03/13/10 03:55 AM	03/13/10 08:15 AM	8	Commercial Power	Installed Generator	2:19
GE013881275	Alexandria	03/13/10 12:05 PM	03/13/10 12:31 PM	5	Commercial Power	Commercial Power Restored	0:24
GE013881244	Alexandria	03/13/10 11:51 AM	03/13/10 12:31 PM	83	Commercial Power	Commercial Power Restored	0:40
GE013888777	Alexandria	03/13/10 07:54 AM	03/13/10 08:47 AM	288	Commercial Power	Fuse/Breaker	0:52
GE013888787	Alexandria	03/13/10 07:55 AM	03/13/10 09:06 AM	14	Commercial Power	Commercial Power Restored	1:10
GE013888484	Alexandria	03/13/10 08:14 AM	03/13/10 11:05 AM	8	Commercial Power	Commercial Power Restored	4:50
GE013885775	Alexandria	03/14/10 01:02 AM	03/14/10 02:52 AM	10	Commercial Power	No Trouble Found	1:48
GE013891488	Alexandria	03/15/10 08:17 AM	03/15/10 08:42 AM	117	Commercial Power	Commercial Power Restored	0:24
GE013891778	Alexandria	03/15/10 08:51 AM	03/15/10 09:16 AM	143	Commercial Power	Commercial Power Restored	0:24
GE013892435	Alexandria	03/15/10 10:07 AM	03/15/10 10:46 AM	39	Commercial Power	Commercial Power Restored	0:39
GE013892874	Alexandria	03/15/10 10:51 AM	03/15/10 11:20 AM	143	Commercial Power	Commercial Power Restored	0:29
GE013893048	Alexandria	03/15/10 11:25 AM	03/15/10 12:18 PM	143	Commercial Power	Commercial Power Restored	0:53
GE013893851	Alexandria	03/20/10 09:09 AM	03/20/10 10:49 AM	14	Commercial Power	Commercial Power Restored	0:40
GE013898899	Alexandria	03/20/10 09:09 AM	03/20/10 10:49 AM	4	Commercial Power	Commercial Power Restored	0:41
GE013972270	Alexandria	03/22/10 04:26 PM	03/22/10 04:53 PM	13	Commercial Power	Commercial Power Restored	0:26
GE014008288	Alexandria	03/25/10 08:57 PM	03/25/10 10:03 PM	47	Commercial Power	Investigate	1:05
GE014034113	Alexandria	03/28/10 07:26 AM	03/28/10 08:22 AM	73	Commercial Power	Commercial Power Restored	0:55
GE014068831	Alexandria	04/02/10 07:16 AM	04/02/10 09:04 AM	23	Commercial Power	Commercial Power Restored	1:48
GE014074873	Alexandria	04/02/10 03:32 PM	04/02/10 09:09 AM	11	Commercial Power	Commercial Power Restored	17:37
GE014084488	Alexandria	04/02/10 09:04 PM	04/02/10 10:25 PM	51	Commercial Power	Repaired	1:21

[redacted]	Alexandria	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	Alexandria	[redacted]	[redacted]	43	High Utilization	High Usage Scheduled	1:44
[redacted]	Alexandria	[redacted]	[redacted]	83,516	Equipment Failure-Hardware	Digital Equipment Repaired	9:14
[redacted]	Alexandria	[redacted]	[redacted]	16	Equipment Adjustment	Signal Interruption Complete	0:44
[redacted]	Alexandria	[redacted]	[redacted]	87	Equipment Adjustment	Signal Interruption Complete	0:58
[redacted]	Alexandria	[redacted]	[redacted]	38	Equipment Adjustment	Signal Interruption Complete	0:00
[redacted]	Alexandria	[redacted]	[redacted]	24	Equipment Adjustment	Signal Interruption Complete	0:31
[redacted]	Alexandria	[redacted]	[redacted]	135	Equipment Adjustment	Signal Interruption Complete	0:16
[redacted]	Alexandria	[redacted]	[redacted]	7	Equipment Adjustment	Signal Interruption Complete	0:00
[redacted]	Alexandria	[redacted]	[redacted]	107	Equipment Adjustment	Signal Interruption Complete	0:11
[redacted]	Alexandria	[redacted]	[redacted]	7	Equipment Adjustment	Signal Interruption Complete	0:00
[redacted]	Alexandria	[redacted]	[redacted]	103	Equipment Adjustment	Signal Interruption Complete	0:00
[redacted]	Alexandria	[redacted]	[redacted]	89	Equipment Adjustment	Signal Interruption Complete	0:00
[redacted]	Alexandria	[redacted]	[redacted]	33	Equipment Adjustment	Signal Interruption Complete	0:07
[redacted]	Alexandria	[redacted]	[redacted]	65	Equipment Adjustment	Signal Interruption Complete	0:12
[redacted]	Alexandria	[redacted]	[redacted]	27	Equipment Adjustment	Signal Interruption Complete	0:22
[redacted]	Alexandria	[redacted]	[redacted]	1	Equipment Adjustment	Signal Interruption Complete	0:36
[redacted]	Alexandria	[redacted]	[redacted]	27	Equipment Adjustment	Signal Interruption Complete	0:52
[redacted]	Alexandria	[redacted]	[redacted]	32	Equipment Adjustment	Signal Interruption Complete	0:07
[redacted]	Alexandria	[redacted]	[redacted]	2	Equipment Adjustment	Signal Interruption Complete	0:37
[redacted]	Alexandria	[redacted]	[redacted]	76	Equipment Adjustment	Signal Interruption Complete	0:39
[redacted]	Alexandria	[redacted]	[redacted]	136	Equipment Adjustment	Signal Interruption Complete	0:32
[redacted]	Alexandria	[redacted]	[redacted]	76	Equipment Adjustment	Signal Interruption Complete	0:33
[redacted]	Alexandria	[redacted]	[redacted]	82	Equipment Adjustment	Signal Interruption Complete	0:36
[redacted]	Alexandria	[redacted]	[redacted]	105	Equipment Adjustment	Signal Interruption Complete	0:28
[redacted]	Alexandria	[redacted]	[redacted]	106	Equipment Adjustment	Signal Interruption Complete	0:31
[redacted]	Alexandria	[redacted]	[redacted]	9	Equipment Adjustment	Signal Interruption Complete	0:10
[redacted]	Alexandria	[redacted]	[redacted]	23	Equipment Adjustment	Signal Interruption Complete	0:12
[redacted]	Alexandria	[redacted]	[redacted]	126	Equipment Adjustment	Signal Interruption Complete	0:09
[redacted]	Alexandria	[redacted]	[redacted]	148	Equipment Adjustment	Signal Interruption Complete	0:36
[redacted]	Alexandria	[redacted]	[redacted]	88	Equipment Adjustment	Signal Interruption Complete	0:19
[redacted]	Alexandria	[redacted]	[redacted]	97	Equipment Adjustment	Signal Interruption Complete	1:37
[redacted]	Alexandria	[redacted]	[redacted]	105,180	Equipment Failure-Hardware	[redacted]	0:21
[redacted]	Alexandria	[redacted]	[redacted]	64	Equipment Adjustment	Signal Interruption Complete	0:11
[redacted]	Alexandria	[redacted]	[redacted]	242	Equipment Adjustment	Signal Interruption Complete	0:32
[redacted]	Alexandria	[redacted]	[redacted]	268	Equipment Adjustment	Signal Interruption Complete	0:21
[redacted]	Alexandria	[redacted]	[redacted]	130	Equipment Adjustment	Signal Interruption Complete	0:19
[redacted]	Alexandria	[redacted]	[redacted]	46	High Utilization	High Usage Scheduled	2:38
[redacted]	Alexandria	[redacted]	[redacted]	4	Unplanned Outage	Repaired/Back Conn	2:36
[redacted]	Alexandria	[redacted]	[redacted]	178	Equipment Adjustment	Signal Interruption Complete	0:16
[redacted]	Alexandria	[redacted]	[redacted]	89	Equipment Adjustment	Signal Interruption Complete	0:09
[redacted]	Alexandria	[redacted]	[redacted]	37	High Utilization	High Usage Scheduled	0:08
[redacted]	Alexandria	[redacted]	[redacted]	8	Equipment Adjustment	Adjusted RF Level	1:32
[redacted]	Alexandria	[redacted]	[redacted]	51	Unplanned Outage	Repaired	0:38
[redacted]	Alexandria	[redacted]	[redacted]	47	Equipment Adjustment	Signal Interruption Complete	0:28
[redacted]	Alexandria	[redacted]	[redacted]	48	Application process failure	Task/Change Issues	0:38
[redacted]	Alexandria	[redacted]	[redacted]	21	Equipment Adjustment	Signal Interruption Complete	0:37
[redacted]	Alexandria	[redacted]	[redacted]	228	Equipment Adjustment	Signal Interruption Complete	0:43

[redacted]	Alexandria	04/07/10 11:33 AM	04/07/10 11:51 AM	172	Equipment Adjustment	Signal Interruption Complete	0:18
[redacted]	Alexandria	[redacted]	[redacted]	43	Equipment Adjustment	Signal Interruption Complete	0:24
[redacted]	Alexandria	[redacted]	[redacted]	54	Equipment Adjustment	Signal Interruption Complete	0:02
[redacted]	Alexandria	[redacted]	[redacted]	18	Hardware Failure	Wiring reconfigured	2:08
[redacted]	Alexandria	[redacted]	[redacted]	5	Hardware Failure	Wiring reconfigured	0:05
[redacted]	Alexandria	[redacted]	[redacted]	28	Application process failure	Switchover issues	0:48
[redacted]	Alexandria	[redacted]	[redacted]	39	Equipment Adjustment	Signal Interruption Complete	1:09
[redacted]	Alexandria	[redacted]	[redacted]	136	Equipment Adjustment	Signal Interruption Complete	0:11
[redacted]	Alexandria	[redacted]	[redacted]	91	[redacted]	[redacted]	1:38
[redacted]	Alexandria	[redacted]	[redacted]	39	Content Error	Stored Content	1:13
[redacted]	Alexandria	[redacted]	[redacted]	38	Content Error	Restart	1:17
[redacted]	Alexandria	[redacted]	[redacted]	28	[redacted]	Corrupted	4:48
[redacted]	Alexandria	[redacted]	[redacted]	9	Unplanned Activity	Corrupted	0:58
[redacted]	Alexandria	[redacted]	[redacted]	353	Equipment Adjustment	Signal Interruption Complete	0:39
[redacted]	Alexandria	[redacted]	[redacted]	177	Equipment Adjustment	Signal Interruption Complete	0:12
[redacted]	Alexandria	[redacted]	[redacted]	83	Equipment Adjustment	Signal Interruption Complete	0:05
[redacted]	Alexandria	[redacted]	[redacted]	119	Equipment Adjustment	Signal Interruption Complete	0:25
[redacted]	Alexandria	[redacted]	[redacted]	248,000	Equipment Failure Hardware	Hardware Replacement	2:44
[redacted]	Alexandria	[redacted]	[redacted]	6	Equipment Failure	Repaired	0:35
[redacted]	Alexandria	[redacted]	[redacted]	13	Equipment Adjustment	Signal Interruption Complete	0:12
[redacted]	Alexandria	[redacted]	[redacted]	29	[redacted]	[redacted]	1:31
[redacted]	Alexandria	[redacted]	[redacted]	88	High Utilization	High Usage Scheduled	3:48
[redacted]	Alexandria	[redacted]	[redacted]	11	Unplanned Outage	Installed Temporary Cable	2:16
[redacted]	Alexandria	[redacted]	[redacted]	181	Equipment Adjustment	Adjusted RF Level	1:58
[redacted]	Alexandria	[redacted]	[redacted]	264,360	Hardware Failure	Switch Reseated	6:11
[redacted]	Alexandria	[redacted]	[redacted]	28	Equipment Adjustment	Signal Interruption Complete	0:27
[redacted]	Alexandria	[redacted]	[redacted]	38	Equipment Failure	Repaired Aerial Cable	1:35
[redacted]	Alexandria	[redacted]	[redacted]	28	Equipment Failure	Repaired Aerial Cable	1:19
[redacted]	Alexandria	[redacted]	[redacted]	14	Equipment Adjustment	Signal Interruption Complete	0:16
[redacted]	Alexandria	[redacted]	[redacted]	7	Equipment Adjustment	Signal Interruption Complete	0:22
[redacted]	Alexandria	[redacted]	[redacted]	7	Equipment Adjustment	Signal Interruption Complete	0:13
[redacted]	Alexandria	[redacted]	[redacted]	7	Equipment Adjustment	Signal Interruption Complete	0:26
[redacted]	Alexandria	[redacted]	[redacted]	7	Equipment Adjustment	Signal Interruption Complete	0:05
[redacted]	Alexandria	[redacted]	[redacted]	72	High Utilization	High Usage Scheduled	2:06
[redacted]	Alexandria	[redacted]	[redacted]	36	No Trouble Found	No Trouble Found	1:29
[redacted]	Alexandria	[redacted]	[redacted]	35	Equipment Adjustment	Signal Interruption Complete	1:48
[redacted]	Alexandria	[redacted]	[redacted]	6	Equipment Adjustment	Signal Interruption Complete	0:12
[redacted]	Alexandria	[redacted]	[redacted]	49	Equipment Adjustment	Signal Interruption Complete	0:31
[redacted]	Alexandria	[redacted]	[redacted]	24	Equipment Adjustment	Signal Interruption Complete	0:23
[redacted]	Alexandria	[redacted]	[redacted]	24	Equipment Adjustment	Signal Interruption Complete	0:29
[redacted]	Alexandria	[redacted]	[redacted]	24	Equipment Adjustment	Signal Interruption Complete	0:12
[redacted]	Alexandria	[redacted]	[redacted]	24	Equipment Adjustment	Signal Interruption Complete	0:31
[redacted]	Alexandria	[redacted]	[redacted]	12	Equipment Adjustment	Signal Interruption Complete	0:10
[redacted]	Alexandria	[redacted]	[redacted]	12	Equipment Adjustment	Signal Interruption Complete	0:31
[redacted]	Alexandria	[redacted]	[redacted]	6	Equipment Adjustment	Signal Interruption Complete	0:32
[redacted]	Alexandria	[redacted]	[redacted]	16	[redacted]	[redacted]	0:16
[redacted]	Alexandria	[redacted]	[redacted]	149	Equipment Failure	Repaired Under Ground Cable	0:48
[redacted]	Alexandria	[redacted]	[redacted]	61	Equipment Adjustment	Signal Interruption Complete	0:27
[redacted]	Alexandria	[redacted]	[redacted]	21	Equipment Adjustment	Signal Interruption Complete	0:22

[redacted]	Alexandria	04/03/18 02:24 PM	04/03/18 02:37 PM	12	Equipment Failure	Repaired/Replaced Cut or Damaged Cable	0:12
[redacted]	Alexandria	04/04/18 [redacted] PM	04/04/18 [redacted] PM	36	Switchgear Issue	Switchgear Issues	0:14
[redacted]	Alexandria	04/04/18 11:00 AM	04/04/18 11:17 AM	141	Equipment Adjustment	Signal Interruption Complete	0:17
[redacted]	Alexandria	04/04/18 11:21 AM	04/04/18 11:37 AM	36	Equipment Adjustment	Signal Interruption Complete	0:12
[redacted]	Alexandria	04/04/18 02:27 PM	04/04/18 02:43 PM	17	Equipment Adjustment	Signal Interruption Complete	0:16
[redacted]	Alexandria	04/04/18 02:18 PM	04/04/18 02:35 PM	24	Equipment Adjustment	Signal Interruption Complete	0:17
[redacted]	Alexandria	04/04/18 07:16 AM	04/04/18 07:51 AM	69	Equipment Adjustment	Signal Interruption Complete	0:32
[redacted]	Alexandria	04/04/18 07:35 AM	04/04/18 07:50 AM	36	Equipment Adjustment	Signal Interruption Complete	0:36
[redacted]	Alexandria	04/04/18 08:43 AM	04/04/18 08:59 AM	29	Equipment Adjustment	Signal Interruption Complete	0:16
[redacted]	Alexandria	04/04/18 [redacted] PM	04/04/18 [redacted] PM	92	High Utilization	High Usage Modified	2:36
[redacted]	Alexandria	04/05/18 03:57 AM	04/05/18 12:32 PM	5	Equipment Failure	Repaired Under Ground Case	11:35
[redacted]	Alexandria	04/05/18 07:31 PM	04/05/18 07:37 PM	41	High Utilization	High Usage Modified	5:49
[redacted]	Alexandria	04/05/18 01:48 PM	04/05/18 01:26 PM	16	Equipment Adjustment	Repaired Damaged Pipe	0:14
[redacted]	Alexandria	04/06/18 01:13 AM	04/06/18 01:24 AM	8			0:11
[redacted]	Alexandria	04/06/18 07:20 AM	04/06/18 07:35 AM	214	Equipment Adjustment	Signal Interruption Complete	0:15
[redacted]	Alexandria	04/06/18 01:10 AM	04/06/18 01:25 AM	13	Equipment Adjustment	Signal Interruption Complete	0:25
[redacted]	Alexandria	04/06/18 01:10 PM	04/06/18 01:45 PM	27	Problem Cleared in Testing	No Trouble Found	1:39
[redacted]	Alexandria	04/07/18 07:30 PM	04/07/18 11:00 PM	37,236	Hardware Failure	Metal Equipment Repaired	1:30
[redacted]	Alexandria	04/08/18 11:00 AM	04/08/18 12:39 PM	15	Equipment Failure	Connector	0:39
[redacted]	Alexandria	04/09/18 12:49 PM	04/09/18 12:54 PM	66	Equipment Adjustment	Signal Interruption Complete	0:10
[redacted]	Alexandria	04/09/18 12:35 PM	04/09/18 01:24 PM	23	HFC Plant Damage	Repaired Under Ground Case	0:48
[redacted]	Alexandria	04/10/18 09:55 PM	04/10/18 11:15 PM	32	High Utilization	High Usage Modified	3:00
[redacted]	Alexandria	04/11/18 01:37 PM	04/11/18 01:55 PM	46,223	Hardware Failure	Fiber Cut - [redacted]	1:35
[redacted]	Alexandria	04/11/18 12:37 PM	04/11/18 01:12 PM	88	Equipment Failure	Repaired	1:34
[redacted]	Alexandria	04/12/18 07:30 PM	04/12/18 08:31 PM	37,236	Equipment Failure-Hardware	Fiber Cut - [redacted]	0:42
[redacted]	Alexandria	04/13/18 [redacted] AM	04/13/18 02:29 AM	6	Equipment Adjustment	Signal Interruption Complete	0:36
[redacted]	Alexandria	04/13/18 10:31 AM	04/13/18 10:51 AM	42	Equipment Failure	Repaired Under Ground Case	0:20
[redacted]	Alexandria	04/13/18 11:50 AM	04/13/18 12:07 PM	68	Equipment Adjustment	Signal Interruption Complete	0:17
[redacted]	Alexandria	04/13/18 12:42 PM	04/13/18 01:39 PM	12	Environmental Weather	Adjusted RF Level	0:16
[redacted]	Alexandria	04/13/18 12:38 PM	04/13/18 12:58 PM	68	Equipment Adjustment	Signal Interruption Complete	0:23
[redacted]	Alexandria	04/13/18 01:16 PM	04/13/18 01:29 PM	36	Equipment Failure	Repaired Under Ground Case	0:57
[redacted]	Alexandria	04/13/18 [redacted] PM	04/13/18 04:51 PM	5	HFC Plant Damage	Repaired/Replaced Cut or Damaged Cable	2:46
[redacted]	Alexandria	04/16/18 02:36 PM	04/16/18 02:49 PM	93	Equipment Adjustment	Signal Interruption Complete	0:22
[redacted]	Alexandria	04/16/18 10:02 PM	04/16/18 10:15 PM	8	Equipment Adjustment	Signal Interruption Complete	0:13
[redacted]	Alexandria	04/16/18 02:36 PM	04/16/18 02:59 PM	5	Equipment Adjustment	Signal Interruption Complete	0:23
[redacted]	Alexandria	04/16/18 10:37 PM	04/16/18 11:43 PM	87	Equipment Failure	Power Inverter - Fuse	1:06
[redacted]	Alexandria	04/17/18 10:26 AM	04/17/18 10:44 AM	24	Equipment Adjustment	Signal Interruption Complete	0:17
[redacted]	Alexandria	04/17/18 12:57 PM	04/17/18 01:13 PM	16	Wellness Check	No Trouble Found	0:15
[redacted]	Alexandria	04/17/18 12:55 PM	04/17/18 12:29 PM	169	Equipment Adjustment	Signal Interruption Complete	0:19
[redacted]	Alexandria	04/17/18 12:29 PM	04/17/18 12:48 PM	82	Equipment Adjustment	Signal Interruption Complete	0:19
[redacted]	Alexandria	04/18/18 07:29 AM	04/18/18 07:44 AM	17	Equipment Adjustment	Signal Interruption Complete	0:38
[redacted]	Alexandria	04/18/18 08:49 AM	04/18/18 08:39 AM	68	Equipment Adjustment	Signal Interruption Complete	0:54
[redacted]	Alexandria	04/20/18 09:30 AM	04/20/18 10:09 AM	68	Equipment Adjustment	Signal Interruption Complete	0:22
[redacted]	Alexandria	04/20/18 11:51 AM	04/20/18 12:21 PM	36	Equipment Adjustment	Signal Interruption Complete	0:30
[redacted]	Alexandria	04/20/18 12:28 PM	04/20/18 12:37 PM	22	Equipment Adjustment	Signal Interruption Complete	0:37
[redacted]	Alexandria	04/20/18 01:15 PM	04/20/18 01:45 PM	36	Equipment Failure-Hardware	Fiber Hardware Replaced	0:30
[redacted]	Alexandria	04/20/18 11:51 AM	04/20/18 01:41 PM	12	Equipment Adjustment	Signal Interruption Complete	1:50
[redacted]	Alexandria	04/20/18 02:05 PM	04/20/18 04:05 PM	36	Equipment Adjustment	Signal Interruption Complete	0:11
[redacted]	Alexandria	04/20/18 02:27 AM	04/20/18 04:27 AM	114	Equipment Adjustment	Signal Interruption Complete	0:39

[redacted]	Alexandria	[redacted]	[redacted]	64	Equipment Adjustment	Signal Interruption Complete	0:07
[redacted]	Alexandria	[redacted]	[redacted]	13	Equipment Adjustment	Signal Interruption Complete	1:16
[redacted]	Alexandria	[redacted]	[redacted]	16	Equipment Failure	Repaired	1:06
[redacted]	Alexandria	[redacted]	[redacted]	236	Natural Disaster/Precipitation	Repaired	1:58
[redacted]	Alexandria	[redacted]	[redacted]	1	Natural Disaster/Precipitation	Power Inverter - Replaced	1:38
[redacted]	Alexandria	[redacted]	[redacted]	200	Natural Disaster/Precipitation	Repaired	6:02
[redacted]	Alexandria	[redacted]	[redacted]	14	Equipment Failure	Repaired	0:17
[redacted]	Alexandria	[redacted]	[redacted]	236	Equipment Adjustment	Signal Interruption Complete	0:29
[redacted]	Alexandria	[redacted]	[redacted]	227	Equipment Adjustment	Signal Interruption Complete	0:38
[redacted]	Alexandria	[redacted]	[redacted]	1	Equipment Failure	Repaired	0:02
[redacted]	Alexandria	[redacted]	[redacted]	36	High Utilization	High Usage Scheduled	1:45
[redacted]	Alexandria	[redacted]	[redacted]	35	Equipment Failure-Hardware	Relay Card - Replaced	10:44
[redacted]	Alexandria	[redacted]	[redacted]	41	Failure/Damaged-Hardware	Signal Network Connection Error	1:16
[redacted]	Alexandria	[redacted]	[redacted]	21	Construction Damage	VDS Hardware Replaced	2:38
[redacted]	Alexandria	[redacted]	[redacted]	98	Equipment Adjustment	Signal Interruption Complete	0:32
[redacted]	Alexandria	[redacted]	[redacted]	7	Equipment Adjustment	Signal Interruption Complete	0:11
[redacted]	Alexandria	[redacted]	[redacted]	167	Equipment Adjustment	Signal Interruption Complete	0:19
[redacted]	Alexandria	[redacted]	[redacted]	4	Equipment Adjustment	Repaired Audio Card	0:12
[redacted]	Alexandria	[redacted]	[redacted]	9	No Trouble Found	No Trouble Found	0:28
[redacted]	Alexandria	[redacted]	[redacted]	166	Equipment Adjustment	Signal Interruption Complete	0:02
[redacted]	Alexandria	[redacted]	[redacted]	166	Equipment Adjustment	Signal Interruption Complete	0:44
[redacted]	Alexandria	[redacted]	[redacted]	131	Equipment Adjustment	Signal Interruption Complete	0:19
[redacted]	Alexandria	[redacted]	[redacted]	131	Equipment Adjustment	Signal Interruption Complete	0:44
[redacted]	Alexandria	[redacted]	[redacted]	68	Equipment Adjustment	Signal Interruption Complete	0:23
[redacted]	Alexandria	[redacted]	[redacted]	136	Equipment Adjustment	Signal Interruption Complete	0:36
[redacted]	Alexandria	[redacted]	[redacted]	35	Equipment Adjustment	Signal Interruption Complete	0:17
[redacted]	Alexandria	[redacted]	[redacted]	5	Customer complaint/billing	Resolved/Investigated Verified	1:58
[redacted]	Alexandria	[redacted]	[redacted]	1	Unplanned Outage	No Trouble Found	0:28
[redacted]	Alexandria	[redacted]	[redacted]	237	Equipment Adjustment	Signal Interruption Complete	0:04
[redacted]	Alexandria	[redacted]	[redacted]	46	Equipment Adjustment	Signal Interruption Complete	0:39
[redacted]	Alexandria	[redacted]	[redacted]	69	Equipment Adjustment	Signal Interruption Complete	0:11
[redacted]	Alexandria	[redacted]	[redacted]	69	Equipment Adjustment	Signal Interruption Complete	0:20
[redacted]	Alexandria	[redacted]	[redacted]	35	High Utilization	High Usage Scheduled	0:44
[redacted]	Alexandria	[redacted]	[redacted]	8	Vandalism or theft	BCO Letter	0:58
[redacted]	Alexandria	[redacted]	[redacted]	36	High Utilization	High Usage Scheduled	1:14
[redacted]	Alexandria	[redacted]	[redacted]	31	Automobile accident	Repaired Damaged Plant	4:26
[redacted]	Alexandria	[redacted]	[redacted]	30	Automobile accident	Repaired Damaged Plant	4:39
[redacted]	Alexandria	[redacted]	[redacted]	21	Automobile accident	Repaired Damaged Plant	4:32
[redacted]	Alexandria	[redacted]	[redacted]	33	Equipment Failure	Referred to Handset	1:39
[redacted]	Alexandria	[redacted]	[redacted]	6	Equipment Failure	Repaired	0:51
[redacted]	Alexandria	[redacted]	[redacted]	16	Equipment Adjustment	Signal Interruption Complete	0:48
[redacted]	Alexandria	[redacted]	[redacted]	16	Equipment Adjustment	Signal Interruption Complete	0:23
[redacted]	Alexandria	[redacted]	[redacted]	82	Equipment Adjustment	Signal Interruption Complete	0:08
[redacted]	Alexandria	[redacted]	[redacted]	139	Equipment Adjustment	Signal Interruption Complete	0:39
[redacted]	Alexandria	[redacted]	[redacted]	35	Application process failure	Site Manually Corrected	0:14
[redacted]	Alexandria	[redacted]	[redacted]	9	Equipment Adjustment	Connector	0:58
[redacted]	Alexandria	[redacted]	[redacted]	5	Unplanned Outage	No Trouble Found	0:06
[redacted]	Alexandria	[redacted]	[redacted]	166	Equipment Adjustment	Signal Interruption Complete	0:01
[redacted]	Alexandria	[redacted]	[redacted]	37,213	Hardware/Software	Gateway Reconfigured	0:30

[redacted]	Alexandria	05/14/16 04:15 PM	05/14/16 04:30 PM	15	Equipment Failure-Hardware	Equipment Reconfigured	0:14
[redacted]	Alexandria	05/14/16 04:57 PM	05/14/16 08:01 PM	184	Equipment Adjustment	Signal Interruption Complete	0:07
[redacted]	Alexandria	05/14/16 05:15 PM	05/14/16 11:58 PM	47	High Utilization	High Usage Scheduled	2:44
[redacted]	Alexandria	05/15/16 12:26 PM	05/15/16 12:31 PM	5	Equipment Adjustment	Signal Interruption Complete	0:29
[redacted]	Alexandria	05/15/16 12:31 PM	05/15/16 12:37 PM	5	Equipment Adjustment	Signal Interruption Complete	0:26
[redacted]	Alexandria	05/15/16 02:22 PM	05/15/16 02:36 PM	72	Equipment Adjustment	Signal Interruption Complete	0:14
[redacted]	Alexandria	05/15/16 07:30 PM	05/15/16 10:00 PM	28	High Utilization	High Usage Scheduled	3:00
[redacted]	Alexandria	05/15/16 07:45 PM	05/15/16 10:00 PM	28	High Utilization	High Usage Scheduled	2:14
[redacted]	Alexandria	05/15/16 12:32 PM	05/15/16 12:47 PM	164	Equipment Adjustment	Signal Interruption Complete	0:15
[redacted]	Alexandria	05/16/16 05:45 PM	05/16/16 06:00 PM	32	High Utilization	High Usage Scheduled	0:15
[redacted]	Alexandria	05/16/16 06:18 AM	05/16/16 06:30 AM	83	Equipment Adjustment	Signal Interruption Complete	0:20
[redacted]	Alexandria	05/16/16 06:53 AM	05/16/16 12:12 AM	364	Equipment Adjustment	Signal Interruption Complete	0:16
[redacted]	Alexandria	05/16/16 10:42 AM	05/16/16 11:00 AM	75	Equipment Adjustment	Signal Interruption Complete	0:27
[redacted]	Alexandria	05/16/16 11:46 AM	05/16/16 11:48 AM	14	Equipment Failure	Tech Fixes Plate	0:30
[redacted]	Alexandria	05/16/16 02:11 PM	05/16/16 04:53 PM	34	Equipment Failure	Repaired	2:41
[redacted]	Alexandria	05/16/16 11:57 AM	05/16/16 12:15 PM	107,183	Equipment Failure-Hardware	Digital Equipment Repaired	0:17
[redacted]	Alexandria	05/16/16 02:53 PM	05/16/16 02:57 PM	48	Equipment Adjustment	Signal Interruption Complete	0:04
[redacted]	Alexandria	05/16/16 03:29 PM	05/16/16 03:53 PM	364	Equipment Adjustment	Signal Interruption Complete	0:26
[redacted]	Alexandria	05/16/16 03:57 PM	05/16/16 04:15 PM	46,000	Hardware Failure	Grooming, Encoding, SIM configuration	0:23
[redacted]	Alexandria	05/17/16 01:31 PM	05/17/16 01:48 PM	16	Equipment Adjustment	Signal Interruption Complete	0:17
[redacted]	Alexandria	05/17/16 02:23 PM	05/17/16 02:37 PM	85	Equipment Adjustment	Signal Interruption Complete	0:26
[redacted]	Alexandria	05/17/16 02:37 PM	05/17/16 02:51 PM	87	Equipment Adjustment	Signal Interruption Complete	0:10
[redacted]	Alexandria	05/17/16 03:03 PM	05/17/16 03:47 PM	56	Equipment Adjustment	Signal Interruption Complete	0:04
[redacted]	Alexandria	05/17/16 03:51 PM	05/17/16 04:28 PM	156	Equipment Adjustment	Signal Interruption Complete	0:05
[redacted]	Alexandria	05/17/16 04:18 AM	05/17/16 06:14 AM	13	Equipment Adjustment	Wait Jumper	2:35
[redacted]	Alexandria	05/17/16 07:28 AM	05/17/16 08:46 AM	69	Equipment Failure	Repaired	1:18
[redacted]	Alexandria	05/17/16 07:37 AM	05/17/16 08:53 AM	8	Equipment Failure	Repaired	1:16
[redacted]	Alexandria	05/17/16 10:08 AM	05/17/16 10:09 AM	1	Equipment Adjustment	Signal Interruption Complete	1:05
[redacted]	Alexandria	05/17/16 11:39 AM	05/17/16 12:34 PM	52	Equipment Adjustment	Signal Interruption Complete	0:25
[redacted]	Alexandria	05/17/16 12:34 PM	05/17/16 12:56 PM	22	Equipment Adjustment	Signal Interruption Complete	0:23
[redacted]	Alexandria	05/17/16 02:30 PM	05/17/16 02:47 PM	186	Equipment Adjustment	Signal Interruption Complete	0:05
[redacted]	Alexandria	05/17/16 03:16 PM	05/17/16 03:48 PM	32	Equipment Adjustment	Signal Interruption Complete	0:30
[redacted]	Alexandria	05/17/16 03:38 PM	05/17/16 03:53 PM	14	Equipment Adjustment	Signal Interruption Complete	0:05
[redacted]	Alexandria	05/17/16 03:39 PM	05/17/16 05:37 PM	51	Equipment Adjustment	Signal Interruption Complete	0:15
[redacted]	Alexandria	05/18/16 09:02 AM	05/18/16 09:11 AM	82	Equipment Adjustment	Signal Interruption Complete	0:10
[redacted]	Alexandria	05/18/16 02:29 PM	05/18/16 02:36 PM	7	Equipment Adjustment	Signal Interruption Complete	0:09
[redacted]	Alexandria	05/18/16 02:34 PM	05/18/16 02:46 PM	32	Equipment Adjustment	Signal Interruption Complete	0:09
[redacted]	Alexandria	05/18/16 02:46 PM	05/18/16 10:46 PM	24	High Utilization	High Usage Scheduled	3:00
[redacted]	Alexandria	05/18/16 05:17 PM	05/18/16 11:17 PM	3	Fiber Cable/Duct Damage	Inserted Temporary Cable	2:00
[redacted]	Alexandria	05/18/16 05:30 PM	05/18/16 06:15 PM	31	High Utilization	High Usage Scheduled	1:15
[redacted]	Alexandria	05/19/16 07:22 AM	05/19/16 08:41 AM	7	Equipment Failure	Tech Fixes Plug	1:18
[redacted]	Alexandria	05/19/16 02:28 PM	05/19/16 02:28 PM	221	Equipment Adjustment	Signal Interruption Complete	0:10
[redacted]	Alexandria	05/20/16 10:05 AM	05/20/16 10:20 AM	61	Equipment Adjustment	Signal Interruption Complete	0:24
[redacted]	Alexandria	05/20/16 11:16 AM	05/20/16 11:58 AM	313	Equipment Adjustment	Signal Interruption Complete	0:42
[redacted]	Alexandria	05/20/16 05:38 PM	05/20/16 10:23 PM	32	Equipment Adjustment	Signal Interruption Complete	0:05
[redacted]	Alexandria	05/20/16 10:50 PM	05/20/16 11:32 PM	164	Equipment Adjustment	Signal Interruption Complete	0:50
[redacted]	Alexandria	05/21/16 02:37 PM	05/21/16 02:39 PM	15	Equipment Failure	Adjusted RF Level	1:10
[redacted]	Alexandria	05/21/16 04:17 PM	05/21/16 04:41 PM	46	Equipment Adjustment	Signal Interruption Complete	0:24
[redacted]	Alexandria	05/21/16 05:22 PM	05/21/16 05:10 PM	13	Equipment Failure	Repaired Under Ground Conn	0:48

[redacted]	Alexandria	05/2/18 09:14 AM	05/2/18 09:16 AM	50	Equipment Adjustment	Signal Interruption Complete	0:02
[redacted]	Alexandria	05/2/18 09:31 AM	05/2/18 09:44 AM	58	Equipment Adjustment	Signal Interruption Complete	0:13
[redacted]	Alexandria	05/2/18 09:19 AM	05/2/18 09:32 AM	118	Equipment Adjustment	Signal Interruption Complete	0:13
[redacted]	Alexandria	05/2/18 09:33 AM	05/2/18 09:47 AM	85	Equipment Adjustment	Signal Interruption Complete	0:13
[redacted]	Alexandria	05/2/18 09:28 AM	05/2/18 09:43 AM	35	Equipment Adjustment	Signal Interruption Complete	0:13
[redacted]	Alexandria	05/2/18 10:10 AM	05/2/18 01:35 PM	85,182	Hardware Failure	[redacted]	3:45
[redacted]	Alexandria	05/2/18 05:27 PM	05/2/18 05:01 PM	123	Equipment Failure	Repaired	1:34
[redacted]	Alexandria	05/2/18 02:31 PM	05/2/18 02:29 PM	13	Equipment Failure	Connector	0:57
[redacted]	Alexandria	05/2/18 05:15 PM	05/2/18 10:09 PM	26	High Utilization	High Usage Scheduled	5:44
[redacted]	Alexandria	05/2/18 10:01 AM	05/2/18 10:10 AM	69	Equipment Adjustment	Signal Interruption Complete	0:14
[redacted]	Alexandria	05/2/18 10:19 AM	05/2/18 10:35 AM	41	Equipment Adjustment	Signal Interruption Complete	0:16
[redacted]	Alexandria	05/2/18 10:47 PM	05/2/18 12:15 AM	8	Customer equipment/cabling	No Trouble Found	1:34
[redacted]	Alexandria	05/2/18 05:15 PM	05/2/18 11:29 PM	68	High Utilization	High Usage Scheduled	2:14
[redacted]	Alexandria	05/2/18 12:30 PM	05/2/18 12:47 PM	46,135	Failed/Degraded Hardware	Cabling Configuration	0:31
[redacted]	Alexandria	05/2/18 10:14 PM	05/2/18 10:30 PM	38	High Utilization	High Usage Scheduled	0:16
[redacted]	Alexandria	05/2/18 05:30 AM	05/2/18 05:45 AM	161	Scheduled Maintenance	Maintenance completed as scheduled	3:29
[redacted]	Alexandria	05/2/18 05:30 AM	05/2/18 05:41 AM	116	Scheduled Maintenance	Maintenance completed as scheduled	3:37
[redacted]	Alexandria	05/2/18 05:37 AM	05/2/18 05:51 AM	116	Scheduled Maintenance	Maintenance completed as scheduled	3:38
[redacted]	Alexandria	05/2/18 05:30 AM	05/2/18 05:52 AM	140	Scheduled Maintenance	Maintenance completed as scheduled	3:34
[redacted]	Alexandria	05/2/18 05:30 AM	05/2/18 05:51 AM	218	Scheduled Maintenance	Maintenance completed as scheduled	3:35
[redacted]	Alexandria	05/2/18 05:30 AM	05/2/18 05:39 AM	69	Scheduled Maintenance	Maintenance completed as scheduled	3:09
[redacted]	Alexandria	05/2/18 05:30 AM	05/2/18 10:45 AM	186	Equipment Adjustment	Signal Interruption Complete	0:15
[redacted]	Alexandria	05/2/18 10:45 AM	05/2/18 10:57 AM	182	Equipment Adjustment	Signal Interruption Complete	0:11
[redacted]	Alexandria	05/2/18 10:44 AM	05/2/18 11:29 AM	28	Equipment Adjustment	Signal Interruption Complete	0:44
[redacted]	Alexandria	05/2/18 12:30 PM	05/2/18 01:21 PM	36	Equipment Adjustment	Signal Interruption Complete	0:50
[redacted]	Alexandria	05/2/18 01:30 PM	05/2/18 02:03 PM	55	Equipment Adjustment	Signal Interruption Complete	0:12
[redacted]	Alexandria	05/2/18 05:31 PM	05/2/18 05:46 PM	19	Equipment Failure	Repaired Under Ground Cable	1:26
[redacted]	Alexandria	05/2/18 05:37 AM	05/2/18 05:50 AM	2	Equipment Adjustment	Signal Interruption Complete	0:13
[redacted]	Alexandria	05/2/18 05:12 AM	05/2/18 05:56 AM	2	Equipment Adjustment	Signal Interruption Complete	0:44
[redacted]	Alexandria	05/2/18 05:37 AM	05/2/18 05:23 AM	2	Equipment Adjustment	Signal Interruption Complete	0:26
[redacted]	Alexandria	05/2/18 10:24 AM	05/2/18 10:40 AM	2	Equipment Adjustment	Signal Interruption Complete	0:24
[redacted]	Alexandria	05/2/18 10:58 AM	05/2/18 11:15 AM	2	Equipment Adjustment	Signal Interruption Complete	0:25
[redacted]	Alexandria	05/2/18 12:08 PM	05/2/18 12:22 PM	2	Equipment Adjustment	Signal Interruption Complete	0:14
[redacted]	Alexandria	05/2/18 12:36 PM	05/2/18 01:00 PM	2	Equipment Adjustment	Signal Interruption Complete	0:24
[redacted]	Alexandria	05/2/18 05:28 PM	05/2/18 05:33 PM	2	Equipment Adjustment	Signal Interruption Complete	0:04
[redacted]	Alexandria	05/2/18 03:21 PM	05/2/18 06:35 PM	42	Equipment Failure	Repaired	3:14
[redacted]	Alexandria	05/2/18 05:23 PM	05/2/18 05:32 PM	8	Equipment Failure	Tag/Face Plate	1:16
[redacted]	Alexandria	05/2/18 05:30 PM	05/2/18 01:33 AM	8	Equipment Failure	Repaired	7:12
[redacted]	Alexandria	05/2/18 05:29 AM	05/2/18 05:30 AM	12	Equipment Adjustment	Signal Interruption Complete	0:00
[redacted]	Alexandria	05/2/18 10:30 AM	05/2/18 11:07 AM	5	Equipment Adjustment	Signal Interruption Complete	0:37
[redacted]	Alexandria	05/2/18 11:07 AM	05/2/18 11:32 AM	2	Equipment Adjustment	Signal Interruption Complete	0:24
[redacted]	Alexandria	05/2/18 11:32 AM	05/2/18 11:45 AM	2	Equipment Adjustment	Signal Interruption Complete	0:12
[redacted]	Alexandria	05/2/18 05:44 PM	05/2/18 05:53 PM	228	Equipment Adjustment	Signal Interruption Complete	0:07
[redacted]	Alexandria	05/2/18 05:53 PM	05/2/18 06:06 PM	391	Equipment Adjustment	Signal Interruption Complete	0:13
[redacted]	Alexandria	05/2/18 06:06 PM	05/2/18 06:18 PM	168	Equipment Adjustment	Adjusted RF Level	0:12
[redacted]	Alexandria	05/2/18 06:22 PM	05/2/18 06:12 PM	397	Equipment Adjustment	Adjusted RF Level	0:50
[redacted]	Alexandria	05/2/18 05:33 PM	05/2/18 05:29 PM	37	Equipment Adjustment	Signal Interruption Complete	0:46
[redacted]	Alexandria	05/2/18 05:14 PM	05/2/18 11:59 PM	53	High Utilization	High Usage Scheduled	1:46
[redacted]	Alexandria	05/2/18 07:26 AM	05/2/18 07:42 AM	128	Equipment Adjustment	Signal Interruption Complete	0:16

[redacted]	Alexandria	[redacted]	[redacted]	33	High Utilization	High Usage Switched	3:45

[illegible] Outages
2nd Quarter 2010
Self-Cleared

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Alexandria	[illegible]	[illegible]	[illegible]	Unplanned Outage	Alarm Self Cleared	0:45
[illegible]	Alexandria	[illegible]	[illegible]	35	Equipment Failure-Software	Alarm Self Cleared	0:36
[illegible]	Alexandria	[illegible]	[illegible]	[illegible]	Unplanned Outage	Alarm Self Cleared	0:32
[illegible]	Alexandria	[illegible]	[illegible]	32	Problem Cleared in Testing	Alarm Self Cleared	[illegible]
[illegible]	Alexandria	[illegible]	[illegible]	10	Problem Cleared in Testing	Alarm Self Cleared	0:35
[illegible]	Alexandria	[illegible]	[illegible]	76	Unplanned Outage	Alarm Self Cleared	0:31
[illegible]	Alexandria	[illegible]	[illegible]	42	Unplanned Outage	Alarm Self Cleared	1:18
[illegible]	Alexandria	[illegible]	[illegible]	9	Unplanned Outage	Alarm Self Cleared	0:26
[illegible]	Alexandria	[illegible]	[illegible]	24	Hardware/Software	Alarm Self Cleared	0:20
[illegible]	Alexandria	[illegible]	[illegible]	4	Equipment Adjustment	Alarm Self Cleared	0:05
[illegible]	Alexandria	[illegible]	[illegible]	4	Unplanned Outage	Alarm Self Cleared	0:14
[illegible]	Alexandria	[illegible]	[illegible]	6	Unplanned Outage	Alarm Self Cleared	0:11
[illegible]	Alexandria	[illegible]	[illegible]	8	Problem Cleared in Testing	Alarm Self Cleared	0:40
[illegible]	Alexandria	[illegible]	[illegible]	26	Problem Cleared in Testing	Alarm Self Cleared	0:11
[illegible]	Alexandria	[illegible]	[illegible]	33	[illegible]	Alarm Self Cleared	2:23
[illegible]	Alexandria	[illegible]	[illegible]	3	Unplanned Outage	Alarm Self Cleared	0:09
[illegible]	Alexandria	[illegible]	[illegible]	36	[illegible]	Alarm Self Cleared	0:20
[illegible]	Alexandria	[illegible]	[illegible]	[illegible]	Unplanned Outage	Alarm Self Cleared	[illegible]
[illegible]	Alexandria	[illegible]	[illegible]	46	Problem Cleared in Testing	Alarm Self Cleared	0:30
[illegible]	Alexandria	[illegible]	[illegible]	11	Unplanned Outage	Alarm Self Cleared	[illegible]
[illegible]	Alexandria	[illegible]	[illegible]	[illegible]	Unplanned Outage	Alarm Self Cleared	0:34
[illegible]	Alexandria	[illegible]	[illegible]	29	[illegible]	Alarm Self Cleared	[illegible]
[illegible]	Alexandria	[illegible]	[illegible]	41	[illegible]	Alarm Self Cleared	[illegible]
[illegible]	Alexandria	[illegible]	[illegible]	13	Unplanned Outage	Alarm Self Cleared	[illegible]
[illegible]	Alexandria	[illegible]	[illegible]	22	Unplanned Outage	Alarm Self Cleared	0:10
[illegible]	Alexandria	[illegible]	[illegible]	120	Unplanned Outage	Alarm Self Cleared	0:38
[illegible]	Alexandria	[illegible]	[illegible]	[illegible]	[illegible]	Alarm Self Cleared	[illegible]
[illegible]	Alexandria	[illegible]	[illegible]	[illegible]	Unplanned Outage	Alarm Self Cleared	0:17
[illegible]	Alexandria	[illegible]	[illegible]	4	Unplanned Outage	Alarm Self Cleared	2:02
[illegible]	Alexandria	[illegible]	[illegible]	4	Unplanned Outage	Alarm Self Cleared	[illegible]
[illegible]	Alexandria	[illegible]	[illegible]	8	Equipment Failure	Alarm Self Cleared	[illegible]
[illegible]	Alexandria	[illegible]	[illegible]	170	Equipment Adjustment	Alarm Self Cleared	[illegible]
[illegible]	Alexandria	[illegible]	[illegible]	32	Unplanned Outage	Alarm Self Cleared	0:11
[illegible]	Alexandria	[illegible]	[illegible]	21	Problem Cleared in Testing	Alarm Self Cleared	3:20

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[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	75	[redacted]	[redacted]	0:56
[redacted]	[redacted]	[redacted]	[redacted]	98	[redacted]	[redacted]	1:48
[redacted]	[redacted]	[redacted]	[redacted]	11	[redacted]	[redacted]	17:27
[redacted]	[redacted]	[redacted]	[redacted]	143	[redacted]	[redacted]	1:58
[redacted]	[redacted]	[redacted]	[redacted]	89	[redacted]	[redacted]	1:19
[redacted]	[redacted]	[redacted]	[redacted]	98	[redacted]	[redacted]	3:47
[redacted]	[redacted]	[redacted]	[redacted]	17	[redacted]	[redacted]	2:38
[redacted]	[redacted]	[redacted]	[redacted]	36	[redacted]	[redacted]	6:32
[redacted]	[redacted]	[redacted]	[redacted]	108	[redacted]	[redacted]	0:48
[redacted]	[redacted]	[redacted]	[redacted]	14	[redacted]	[redacted]	1:13
[redacted]	[redacted]	[redacted]	[redacted]	14	[redacted]	[redacted]	0:58
[redacted]	[redacted]	[redacted]	[redacted]	4	[redacted]	[redacted]	0:28
[redacted]	[redacted]	[redacted]	[redacted]	17	[redacted]	[redacted]	0:47
[redacted]	[redacted]	[redacted]	[redacted]	4	[redacted]	[redacted]	3:23
[redacted]	[redacted]	[redacted]	[redacted]	46	[redacted]	[redacted]	1:16
[redacted]	[redacted]	[redacted]	[redacted]	55	[redacted]	[redacted]	3:59
[redacted]	[redacted]	[redacted]	[redacted]	27	[redacted]	[redacted]	0:45
[redacted]	[redacted]	[redacted]	[redacted]	33	[redacted]	[redacted]	0:46
[redacted]	[redacted]	[redacted]	[redacted]	51	[redacted]	[redacted]	0:54
[redacted]	[redacted]	[redacted]	[redacted]	234	[redacted]	[redacted]	0:54
[redacted]	[redacted]	[redacted]	[redacted]	197	[redacted]	[redacted]	0:48
[redacted]	[redacted]	[redacted]	[redacted]	97	[redacted]	[redacted]	0:51
[redacted]	[redacted]	[redacted]	[redacted]	211	[redacted]	[redacted]	1:23
[redacted]	[redacted]	[redacted]	[redacted]	61	[redacted]	[redacted]	2:40
[redacted]	[redacted]	[redacted]	[redacted]	25	[redacted]	[redacted]	0:34
[redacted]	[redacted]	[redacted]	[redacted]	82	[redacted]	[redacted]	0:49
[redacted]	[redacted]	[redacted]	[redacted]	97	[redacted]	[redacted]	0:49
[redacted]	[redacted]	[redacted]	[redacted]	8	[redacted]	[redacted]	2:13
[redacted]	[redacted]	[redacted]	[redacted]	123	[redacted]	[redacted]	1:52
[redacted]	[redacted]	[redacted]	[redacted]	218	[redacted]	[redacted]	1:35
[redacted]	[redacted]	[redacted]	[redacted]	246	[redacted]	[redacted]	1:24
[redacted]	[redacted]	[redacted]	[redacted]	12	[redacted]	[redacted]	1:39
[redacted]	[redacted]	[redacted]	[redacted]	5	[redacted]	[redacted]	1:01
[redacted]	[redacted]	[redacted]	[redacted]	17	[redacted]	[redacted]	0:44
[redacted]	[redacted]	[redacted]	[redacted]	11	[redacted]	[redacted]	0:52
[redacted]	[redacted]	[redacted]	[redacted]	26	[redacted]	[redacted]	0:43
[redacted]	[redacted]	[redacted]	[redacted]	69	[redacted]	[redacted]	1:12
[redacted]	[redacted]	[redacted]	[redacted]	7	[redacted]	[redacted]	0:49
[redacted]	[redacted]	[redacted]	[redacted]	36	[redacted]	[redacted]	1:01
[redacted]	[redacted]	[redacted]	[redacted]	51	[redacted]	[redacted]	1:21
[redacted]	[redacted]	[redacted]	[redacted]	122	[redacted]	[redacted]	0:49
[redacted]	[redacted]	[redacted]	[redacted]	95	[redacted]	[redacted]	1:49

2010 ANNUAL REPORT

CUSTOMER SERVICE TELEPHONE ACTIVITY

AUGUST 30, 2010

Customer Service Phone Activity

July 2009
Total Calls Received – 92,757
Total Calls Answered – 87,096
Percentage Answered – 93.9
Total % of calls answered within 30 Seconds – 79.6
Average call handing time in seconds – 345

August 2009
Total Calls Received – 76,531
Total Calls Answered – 72,911
Percentage Answered – 95.3
Total % of calls answered within 30 Seconds – 81.4
Average call handing time in seconds - 342

September 2009
Total Calls Received – 81,258
Total Calls Answered – 77,300
Percentage Answered – 95.1
Total % of calls answered within 30 Seconds – 82.5
Average call handing time in seconds - 346

October 2009
Total Calls Received – 60,367
Total Calls Answered – 58,110
Percentage Answered – 96.26
Total % of calls answered within 30 Seconds – 85.8
Average call handing time in seconds - 395

November 2009
Total Calls Received – 51,066
Total Calls Answered – 49,706
Percentage Answered – 97.3
Total % of calls answered within 30 Seconds – 83.4
Average call handing time in seconds - 405

December 2009
Total Calls Received – 55,772
Total Calls Answered – 52,255
Percentage Answered – 93.7
Total % of calls answered within 30 Seconds – 79.6
Average call handing time in seconds - 414

January 2010
Total Calls Received – 47,148
Total Calls Answered – 45,947
Percentage Answered – 98
Total % of calls answered within 30 Seconds – 87
Average call handing time in seconds - 408

February 2010
Total Calls Received – 50,192
Total Calls Answered – 49,265
Percentage Answered – 98
Total % of calls answered within 30 Seconds – 92
Average call handing time in seconds - 409

March 2010
Total Calls Received – 64,342
Total Calls Answered – 63,043
Percentage Answered – 98
Total % of calls answered within 30 Seconds – 92
Average call handing time in seconds - 409

April 2010
Total Calls Received – 55,083
Total Calls Answered – 54,840
Percentage Answered – 99.6
Total % of calls answered within 30 Seconds – 97
Average call handing time in seconds - 378

May 2010
Total Calls Received – 63,794
Total Calls Answered – 63,462
Percentage Answered – 99.5
Total % of calls answered within 30 Seconds – 96
Average call handing time in seconds - 373

June 2010
Total Calls Received – 55,519
Total Calls Answered – 54,443
Percentage Answered – 98
Total % of calls answered within 30 Seconds – 90
Average call handing time in seconds - 390