

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: South Main
 Date of Test: 2-7-04 Time: 18:00
 Tech(s) Performing Test: James Clark

Highest Band Pass: 750 MHz
 Test Point Number: 1
 Temperature: 35°
 Date Begun: 2-7-04

Equipment Used	Make/Model	Serial Number	Calibration Date
Spectrum Analyzer	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
FSM	<u>SDA-5000</u>	<u>2381253</u>	<u>N/A</u>

Test Setup used: A 30 meter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour.					Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>				
Date/Time	<u>2-7-18:00</u>	<u>2-8-00:00</u>	<u>2-8-16:00</u>	<u>2-8-12:00</u>					
2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed).									
Maximum Video Carrier Level	<u>17.8</u>	<u>18.0</u>	<u>18.7</u>	<u>17.7</u>					
Minimum Video Carrier Level	<u>11.2</u>	<u>11.6</u>	<u>11.8</u>	<u>11.7</u>					
Variation Highest & Lowest Video Levels	<u>6.6</u>	<u>6.4</u>	<u>6.9</u>	<u>6.0</u>					
Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth <u>4.5</u>					Was the specification met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>				
Justification for any variation in this requirement:									
3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier.									
					Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>				
Justification for any variation in this requirement:									
4. Video carriers are not allowed to vary more then 3 dB from any adjacent channel?:									
					Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>				
Justification for any variation greater than 3 dB:									
5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop:									
					Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>				
Justification for any video level less then 3 dBmV:									
6. During this 24 hour test all video carrier level changes must be less then 8 dB									
					Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>				
Justification for any variation greater then 8 dB: _____									
Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test.									
					Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>				
Justification for any variation greater then 8 dB: _____									



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000

Operator: ?

Date: 02/07/04 Time: 18:00:51

Description:

Serial #: 2381253

File: WTP3

Cal Date: 09/11/03

DOS File: WTP3

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 64.4 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2		16.7	4.0	12.7
3		16.3	3.8	12.5
4		16.2	3.3	12.9
5		17.1	4.2	12.9
99		16.7	2.7	14.0
14		16.8	3.7	13.1
18		16.8	3.4	13.4
19		17.5	2.1	15.4
21		17.4	4.0	13.4
22		17.0	3.5	13.5
7		17.8	3.8	14.0
8		17.2	2.4	14.8
9		16.8	3.3	13.5
10		16.9	2.7	14.2
11		16.1	4.3	11.8
12		16.8	4.3	12.5
13		17.2	2.8	14.4
23		17.0	2.3	14.7
24		16.4	3.1	13.3
25		17.0	4.1	12.9
26		16.9	3.2	13.7
27		16.0	3.3	12.7
28		16.7	2.9	13.8
29		17.3	3.8	13.5
30		17.4	4.0	13.4
31		16.2	3.1	13.1
32		16.5	4.0	12.5
33		15.7	3.6	12.1
34		14.9	2.1	12.8
35		15.1	1.9	13.2
36		15.3	2.2	13.1
37		15.1	1.7	13.4
38		14.6	-0.4	15.0
39		15.3	1.6	13.7
40		14.4	1.3	13.1
41		14.8	1.3	13.5
42		15.2	1.4	13.8
43		15.4	0.3	15.1
44		14.8	0.9	13.9
45		14.7	0.4	14.3
46		14.8	1.0	13.8
47		14.6	1.3	13.3
48		14.9	1.0	13.9
49		14.5	0.4	14.1
50		14.4	1.2	13.2
51		14.5	-0.1	14.6
52		13.7	-0.2	13.9
53		13.6	-0.1	13.7
54		12.2	-0.7	12.9



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/07/04 Time: 18:00:51
 Description:

Serial #: 2381253
 File: WTP3

Cal Date: 09/11/03
 DOS File: WTP3

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55		12.4	0.2	12.2
56		12.8	0.4	12.4
57		13.3	-1.9	15.2
58		12.3	-0.4	12.7
59		13.3	-0.3	13.6
60		13.8	1.0	12.8
61		12.9	-0.3	13.2
62		12.2	-1.4	13.6
63		12.1	-0.3	12.4
64		12.5	-1.3	13.8
65		12.6	-0.5	13.1
66		12.1	-1.5	13.6
67		12.1	-1.7	13.8
68		11.2	-2.2	13.4
69		12.6	-1.2	13.8
70		12.7	-1.4	14.1
71		12.5	0.4	12.1
72		12.4	-0.5	12.9
73		11.8	-1.2	13.0
74		13.0	-0.6	13.6
75		12.9	-1.0	13.9
76		12.4	-0.7	13.1
77		11.6	-0.9	12.5
78		12.5	-1.3	13.8
116		13.5	-2.5	16.0

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 68 Video = 11.2	Pass
Max Delta Video Level	15.0 dB	Ch 7 and 68, Delta = 6.6	Pass
Min Delta V/A	6.5 dB	Ch 11 Delta V/A = 11.8	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 16.0	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 53 and 54, Delta = 1.4	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000

Operator: ?

Date: 02/08/04 Time: 00:00:51

Description:

Serial #: 2381253

File: WTP3

Cal Date: 09/11/03

DOS File: WTP3

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 35.6 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2		16.7	3.7	13.0
3		16.0	3.8	12.2
4		16.4	3.3	13.1
5		16.8	4.4	12.4
99		16.4	2.8	13.6
14		16.5	4.0	12.5
18		16.9	3.5	13.4
19		17.7	2.7	15.0
21		18.0	4.3	13.7
22		17.0	3.6	13.4
7		17.8	3.8	14.0
8		17.5	3.0	14.5
9		17.0	3.1	13.9
10		17.0	3.1	13.9
11		16.4	4.6	11.8
12		16.8	4.6	12.2
13		17.5	3.4	14.1
23		17.2	2.5	14.7
24		16.5	3.3	13.2
25		17.2	4.4	12.8
26		17.1	3.3	13.8
27		16.0	3.7	12.3
28		17.0	2.9	14.1
29		17.4	4.0	13.4
30		16.5	4.1	12.4
31		16.1	3.3	12.8
32		17.8	4.6	13.2
33		16.5	4.1	12.4
34		14.7	2.6	12.1
35		15.6	2.0	13.6
36		15.4	2.5	12.9
37		14.7	2.2	12.5
38		14.7	-0.4	15.1
39		15.4	2.9	12.5
40		14.5	1.6	12.9
41		15.2	1.9	13.3
42		15.4	1.6	13.8
43		15.3	1.6	13.7
44		14.9	1.3	13.6
45		14.7	0.7	14.0
46		15.3	1.2	14.1
47		15.1	1.6	13.5
48		14.9	1.2	13.7
49		14.7	0.2	14.5
50		14.5	1.4	13.1
51		14.5	-0.1	14.6
52		13.4	-0.4	13.8
53		14.3	-0.1	14.4
54		12.6	-0.6	13.2



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/08/04 Time: 00:00:51
 Description:

Serial #: 2381253
 File: WTP3

Cal Date: 09/11/03
 DOS File: WTP3

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55		12.6	0.3	12.3
56		12.9	0.7	12.2
57		13.6	-1.6	15.2
58		12.7	-0.4	13.1
59		13.4	-0.1	13.5
60		14.4	1.5	12.9
61		12.8	-0.5	13.3
62		12.7	-1.3	14.0
63		12.2	0.0	12.2
64		12.3	-1.2	13.5
65		12.4	-0.4	12.8
66		12.2	-1.2	13.4
67		12.6	-1.7	14.3
68		11.6	-2.3	13.9
69		12.9	-1.1	14.0
70		12.6	-1.3	13.9
71		12.8	0.6	12.2
72		12.8	-0.4	13.2
73		11.9	-1.3	13.2
74		13.1	-0.3	13.4
75		13.6	-0.8	14.4
76		12.9	-0.6	13.5
77		11.8	-0.1	11.9
78		12.9	-0.7	13.6
116		13.6	-2.3	15.9

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 68 Video = 11.6	Pass
Max Delta Video Level	15.0 dB	Ch 21 and 68, Delta = 6.4	Pass
Min Delta V/A	6.5 dB	Ch 11 Delta V/A = 11.8	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 15.9	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 33 and 34, Delta = 1.8	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/08/04 Time: 06:00:51
 Description:

Serial #: 2381253
 File: WTP3

Cal Date: 09/11/03
 DOS File: WTP3

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 32.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2		16.4	3.9	12.5
3		16.3	3.8	12.5
4		16.1	3.6	12.5
5		16.7	4.3	12.4
99		16.1	2.9	13.2
14		17.0	3.7	13.3
18		17.2	4.0	13.2
19		18.7	2.5	16.2
21		17.8	4.5	13.3
22		17.4	4.1	13.3
7		17.9	4.9	13.0
8		18.0	3.2	14.8
9		17.4	3.4	14.0
10		17.2	3.3	13.9
11		16.7	4.7	12.0
12		17.0	4.6	12.4
13		18.0	3.8	14.2
23		17.5	2.8	14.7
24		16.6	4.1	12.5
25		17.9	4.5	13.4
26		17.1	3.7	13.4
27		16.2	3.6	12.6
28		17.7	3.6	14.1
29		17.8	4.3	13.5
30		17.2	4.4	12.8
31		15.8	3.5	12.3
32		16.8	4.4	12.4
33		17.9	4.5	13.4
34		15.3	2.3	13.0
35		15.4	2.4	13.0
36		16.0	2.9	13.1
37		14.6	2.3	12.3
38		14.9	-0.1	15.0
39		16.0	2.8	13.2
40		14.7	1.9	12.8
41		15.2	2.2	13.0
42		16.0	1.9	14.1
43		15.5	2.1	13.4
44		15.0	1.6	13.4
45		15.0	1.0	14.0
46		15.1	1.7	13.4
47		15.2	1.7	13.5
48		15.2	1.6	13.6
49		14.9	0.7	14.2
50		15.3	1.5	13.8
51		14.6	0.3	14.3
52		13.6	-0.2	13.8
53		14.1	0.6	13.5
54		12.8	-0.1	12.9



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/08/04 Time: 06:00:51
 Description:

Serial #: 2381253
 File: WTP3

Cal Date: 09/11/03
 DOS File: WTP3

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55		12.8	0.2	12.6
56		12.8	0.4	12.4
57		13.7	-1.5	15.2
58		13.2	0.1	13.1
59		13.4	0.1	13.3
60		14.4	2.0	12.4
61		12.9	-0.3	13.2
62		12.8	-0.9	13.7
63		12.6	0.1	12.5
64		12.7	-0.9	13.6
65		13.3	0.2	13.1
66		12.8	-0.9	13.7
67		12.6	-1.5	14.1
68		11.8	-2.4	14.2
69		12.6	-1.2	13.8
70		12.4	-1.1	13.5
71		12.7	1.1	11.6
72		13.1	-0.2	13.3
73		12.1	-1.1	13.2
74		13.4	0.0	13.4
75		12.3	-0.8	13.1
76		13.0	-0.2	13.2
77		12.2	-0.3	12.5
78		13.0	-1.2	14.2
116		14.0	-2.0	16.0

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 68 Video = 11.8	Pass
Max Delta Video Level	15.0 dB	Ch 19 and 68, Delta = 6.9	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 11.6	Pass
Max Delta V/A	17.0 dB	Ch 19 Delta V/A = 16.2	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 33 and 34, Delta = 2.6	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000

Serial #: 2381253

Cal Date: 09/11/03

Operator: ?

File: WTP3

DOS File: WTP3

Date: 02/08/04 Time: 12:00:51

Description:

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 37.4 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2		16.7	3.9	12.8
3		16.3	3.8	12.5
4		16.4	3.2	13.2
5		16.7	4.8	11.9
99		16.1	2.8	13.3
14		16.5	3.2	13.3
18		17.1	3.7	13.4
19		17.7	2.5	15.2
21		17.1	4.2	12.9
22		17.0	3.5	13.5
7		17.4	4.6	12.8
8		17.7	2.3	15.4
9		16.7	3.4	13.3
10		17.2	2.6	14.6
11		16.1	4.6	11.5
12		16.5	4.4	12.1
13		17.5	3.2	14.3
23		17.1	2.5	14.6
24		16.4	3.1	13.3
25		16.9	4.3	12.6
26		16.8	3.1	13.7
27		16.8	3.3	13.5
28		17.2	2.7	14.5
29		17.3	3.8	13.5
30		17.7	3.9	13.8
31		16.1	3.2	12.9
32		16.5	3.6	12.9
33		17.2	3.9	13.3
34		15.7	1.9	13.8
35		15.3	2.0	13.3
36		15.1	2.5	12.6
37		15.3	1.8	13.5
38		14.4	-0.6	15.0
39		15.5	2.1	13.4
40		13.8	1.3	12.5
41		15.3	1.2	14.1
42		15.4	1.3	14.1
43		14.1	1.2	12.9
44		15.0	1.3	13.7
45		14.6	0.5	14.1
46		14.6	1.2	13.4
47		14.8	1.1	13.7
48		14.8	1.2	13.6
49		14.9	0.1	14.8
50		14.4	1.2	13.2
51		14.1	-0.4	14.5
52		13.6	-0.3	13.9
53		12.7	0.1	12.6
54		12.3	-0.8	13.1



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/08/04 Time: 12:00:51
 Description:

Serial #: 2381253
 File: WTP3

Cal Date: 09/11/03
 DOS File: WTP3

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55		12.3	0.1	12.2
56		13.3	0.0	13.3
57		13.1	-1.9	15.0
58		12.2	-0.7	12.9
59		13.1	-0.5	13.6
60		14.0	1.3	12.7
61		12.5	-0.6	13.1
62		12.0	-1.1	13.1
63		12.2	-0.5	12.7
64		12.8	-1.5	14.3
65		12.3	-0.9	13.2
66		12.1	-1.4	13.5
67		11.9	-1.8	13.7
68		11.7	-2.4	14.1
69		12.6	-1.2	13.8
70		12.3	-1.5	13.8
71		12.5	1.0	11.5
72		12.3	-1.0	13.3
73		12.2	-0.9	13.1
74		13.0	-0.5	13.5
75		13.1	-0.9	14.0
76		12.6	-0.6	13.2
77		12.1	-0.8	12.9
78		12.5	-1.4	13.9
116		13.9	-2.4	16.3

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 68 Video = 11.7	Pass
Max Delta Video Level	15.0 dB	Ch 19 and 68, Delta = 6.0	Pass
Min Delta V/A	6.5 dB	Ch 11 Delta V/A = 11.5	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 16.3	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 39 and 40, Delta = 1.7	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: Hibernia Rd
 Date of Test: 2-15-04 Time: 17:00
 Tech(s) Performing Test: David Williamson

Highest Band Pass: 750MHz
 Test Point Number: 2
 Temperature: 42°
 Date Begun: 2-15-04

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer FSM	<u>SDA-5000</u>	<u>826348</u>	<u>N/A</u>

Test Setup used: A 30 meter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour.				
Date/Time	<u>2-15/17:00</u>	<u>2-15/23:00</u>	<u>2-16/5:00</u>	<u>2-16/11:00</u>
				Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>

2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed).				
Maximum Video Carrier Level	<u>17.9</u>	<u>18.2</u>	<u>18.0</u>	<u>17.7</u>
Minimum Video Carrier Level	<u>8.9</u>	<u>9.3</u>	<u>9.0</u>	<u>9.6</u>
Variation Highest & Lowest Video Levels	<u>9.0</u>	<u>8.9</u>	<u>9.0</u>	<u>8.1</u>
Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth	<u>4.5</u>			Was the specification met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Justification for any variation in this requirement:				

3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier.	
	Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Justification for any variation in this requirement:	

4. Video carriers are not allowed to vary more then 3 dB from any adjacent channel?:	
	Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Justification for any variation greater than 3 dB:	

5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop.	
	Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Justification for any video level less then 3 dBmV:	

6. During this 24 hour test all video carrier level changes must be less then 8 dB	
	Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Justification for any variation greater then 8 dB: _____	
Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test.	
	Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Justification for any variation greater then 8 dB: _____	



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DAVID_W
 Date: 02/15/04 Time: 17:00:50
 Description:

Serial #: 8263423
 File: HIBERNIA2

Cal Date: 05/15/02
 DOS File: HIBERNIA2

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 89.6 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WRPX	10.5	-3.1	13.6
3	WRDC	9.0	-4.2	13.2
4	WUNP	10.1	-4.0	14.1
5	WRAL	10.5	-3.1	13.6
7	WAX	10.8	-1.7	12.5
8	WNCN	12.0	-2.1	14.1
9	WRAY	11.0	-1.8	12.8
10	WLFL	10.0	-0.3	10.3
11	WTVD	9.7	-1.5	11.2
12	WUVC	11.9	-2.1	14.0
13	WRAZ	12.4	0.8	11.6
14	NC14	9.7	-3.8	13.5
15	HSN	8.9	-2.3	11.2
16	QVC	10.6	-3.5	14.1
18	EDU	9.1	-3.2	12.3
19	HBC	9.9	-4.1	14.0
21	CSP2	12.3	-3.3	15.6
22	CMPR	9.8	-1.8	11.6
23	WGN	11.1	-1.4	12.5
24	TRIT	12.4	-0.9	13.3
25	USA	14.0	-1.1	15.1
26	TNT	12.7	-1.3	14.0
27	AE	10.9	-0.5	11.4
28	FAM	13.2	-1.7	14.9
29	CNN	13.1	-1.9	15.0
30	DSC	12.3	0.2	12.1
31	ESPN	11.4	-0.6	12.0
32	ESP2	12.8	-2.5	15.3
33	LIFE	11.6	-1.1	12.7
34	TBS	10.4	-0.9	11.3
35	DISH	11.9	-1.5	13.4
36	COM	13.6	-2.0	15.6
37	CNBC	10.8	-0.9	11.7
38	AMC	11.1	-0.4	11.5
39	TLC	12.8	-1.3	14.1
40	SPK	13.3	-1.2	14.5
41	HLN	11.3	-0.1	11.4
42	TWC	12.4	0.4	12.0
43	NIC	12.2	-1.4	13.6
44	CORT	13.0	-1.6	14.6
45	MSNB	11.5	0.5	11.0
46	APL	12.7	-0.3	13.0
47	LMN	13.5	-2.3	15.8
48	VH1	12.5	-1.3	13.8
49	SCFI	11.9	-1.1	13.0
50	FXSN	12.4	-0.8	13.2
51	GOLF	13.0	-2.4	15.4
52	BET	11.5	-0.8	12.3
53	MTV	10.6	-0.2	10.8



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DAVID_W
 Date: 02/15/04 Time: 17:00:50
 Description:

Serial #: 8263423
 File: HIBERNIA2

Cal Date: 05/15/02
 DOS File: HIBERNIA2

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLD	11.7	-2.5	14.2
55	OXYG	11.5	-2.4	13.9
56	HIST	11.6	-0.3	11.9
57	DISN	11.3	-1.4	12.7
58	FOXN	12.0	-2.5	14.5
59	CSP1	12.6	-0.9	13.5
60	FITT	10.9	0.3	10.6
61	WE	11.2	-2.3	13.5
62	E	12.0	-4.2	16.2
63	SOAP	10.6	-2.4	13.0
64	SHOP	10.3	-2.4	12.7
65	OLN	11.6	-1.5	13.1
66	ESPC	12.0	-3.1	15.1
67	TCM	11.5	-1.9	13.4
68	TBN	9.9	-2.0	11.9
69	CMT	11.8	-1.9	13.7
70	NGEO	12.9	-2.3	15.2
71	FX	12.4	0.9	11.5
72	INSP	12.4	0.6	11.8
73	HALL	13.3	-0.9	14.2
74	TRAV	14.4	0.1	14.3
75	TOON	12.4	0.7	11.7
76	HGTV	13.1	1.4	11.7
77	FOOD	13.2	0.1	13.1
99	TVG	10.1	-4.8	14.9
116	HIPT	17.9	3.8	14.1

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 15 Video = 8.9	Pass
Max Delta Video Level	15.0 dB	Ch 15 and 116, Delta = 9.0	Pass
Min Delta V/A	6.5 dB	Ch 10 Delta V/A = 10.3	Pass
Max Delta V/A	17.0 dB	Ch 62 Delta V/A = 16.2	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 36 and 37, Delta = 2.8	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DAVID_W
 Date: 02/15/04 Time: 23:00:50
 Description:

Serial #: 8263423
 File: HIBERNIA2

Cal Date: 05/15/02
 DOS File: HIBERNIA2

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 42.8 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WRPX	10.9	-3.0	13.9
3	WRDC	9.3	-3.9	13.2
4	WUNP	10.1	-3.4	13.5
5	WRAL	10.9	-3.2	14.1
7	WAX	10.8	-1.6	12.4
8	WNCN	12.3	-1.9	14.2
9	WRAY	11.5	-1.7	13.2
10	WLFL	10.7	0.0	10.7
11	WTVN	10.2	-1.2	11.4
12	WUVC	12.5	-1.9	14.4
13	WRAZ	12.6	1.1	11.5
14	NC14	9.9	-3.6	13.5
15	HSN	9.4	-2.3	11.7
16	QVC	10.9	-3.2	14.1
18	EDU	10.1	-2.9	13.0
19	HBC	10.3	-3.7	14.0
21	CSP2	12.4	-3.1	15.5
22	CMPR	10.3	-1.5	11.8
23	WGN	11.9	-1.2	13.1
24	TRIT	12.5	-0.2	12.7
25	USA	14.1	-0.7	14.8
26	TNT	13.3	-0.9	14.2
27	AE	12.3	0.1	12.2
28	FAM	13.6	-1.3	14.9
29	CNN	13.6	-1.4	15.0
30	DSC	13.2	0.9	12.3
31	ESPN	12.3	0.2	12.1
32	ESP2	13.3	-2.0	15.3
33	LIFE	12.8	-0.9	13.7
34	TBS	10.7	-0.2	10.9
35	DISH	12.1	-1.0	13.1
36	COM	14.5	-1.3	15.8
37	CNBC	11.5	-0.2	11.7
38	AMC	11.2	-0.4	11.6
39	TLC	13.5	-0.8	14.3
40	SPK	14.1	-0.8	14.9
41	HLN	11.9	0.4	11.5
42	TWC	13.3	1.0	12.3
43	NIC	13.5	-0.9	14.4
44	CORT	13.2	-1.4	14.6
45	MSNB	12.3	0.7	11.6
46	APL	13.0	-0.2	13.2
47	LMN	14.1	-2.0	16.1
48	VH1	13.0	-1.1	14.1
49	SCFI	12.4	-0.9	13.3
50	FXSN	13.0	-0.5	13.5
51	GOLF	13.2	-2.2	15.4
52	BET	12.0	-0.7	12.7
53	MTV	11.5	0.1	11.4



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DAVID_W
 Date: 02/15/04 Time: 23:00:50
 Description:

Serial #: 8263423
 File: HIBERNIA2

Cal Date: 05/15/02
 DOS File: HIBERNIA2

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLD	12.1	-2.2	14.3
55	OXYG	12.0	-2.3	14.3
56	HIST	11.8	-0.1	11.9
57	DISN	11.2	-1.3	12.5
58	FOXN	12.4	-2.2	14.6
59	CSP1	12.9	-0.6	13.5
60	FITT	11.6	0.7	10.9
61	WE	10.9	-2.5	13.4
62	E	12.3	-4.0	16.3
63	SOAP	11.4	-2.1	13.5
64	SHOP	10.7	-2.1	12.8
65	OLN	12.1	-1.4	13.5
66	ESPC	12.5	-3.3	15.8
67	TCM	12.2	-1.8	14.0
68	TBN	10.3	-1.7	12.0
69	CMT	12.3	-1.8	14.1
70	NGEO	13.1	-2.4	15.5
71	FX	13.0	1.3	11.7
72	INSP	12.9	1.1	11.8
73	HALL	13.9	-0.6	14.5
74	TRAV	14.5	0.2	14.3
75	TOON	12.7	0.9	11.8
76	HGTV	13.9	1.8	12.1
77	FOOD	13.7	0.6	13.1
99	TVG	10.5	-4.7	15.2
116	HIPT	18.2	4.2	14.0

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 9.3	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 116, Delta = 8.9	Pass
Min Delta V/A	6.5 dB	Ch 10 Delta V/A = 10.7	Pass
Max Delta V/A	17.0 dB	Ch 62 Delta V/A = 16.3	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 36 and 37, Delta = 3.0	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DAVID_W
 Date: 02/16/04 Time: 05:00:50
 Description:

Serial #: 8263423
 File: HIBERNIA2

Cal Date: 05/15/02
 DOS File: HIBERNIA2

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 39.2 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WRPX	10.8	-3.2	14.0
3	WRDC	9.0	-3.5	12.5
4	WUNP	9.8	-4.1	13.9
5	WRAL	11.1	-3.0	14.1
7	WAX	11.6	-0.5	12.1
8	WNCN	11.9	-2.3	14.2
9	WRAY	11.6	-1.4	13.0
10	WLFL	10.3	0.0	10.3
11	WTVN	10.4	-1.3	11.7
12	WUVC	12.3	-2.0	14.3
13	WRAZ	12.7	1.5	11.2
14	NC14	10.5	-3.0	13.5
15	HSN	9.4	-1.9	11.3
16	QVC	11.1	-3.0	14.1
18	EDU	10.7	-2.3	13.0
19	HBC	10.2	-4.0	14.2
21	CSP2	12.8	-3.3	16.1
22	CMPR	10.9	-0.9	11.8
23	WGN	12.1	-1.1	13.2
24	TRIT	12.5	-0.6	13.1
25	USA	14.5	-0.8	15.3
26	TNT	13.1	-0.7	13.8
27	AE	11.1	-0.4	11.5
28	FAM	13.8	-1.3	15.1
29	CNN	14.0	0.2	13.8
30	DSC	12.7	0.8	11.9
31	ESPN	11.8	-0.3	12.1
32	ESP2	12.6	-1.8	14.4
33	LIFE	13.3	-0.9	14.2
34	TBS	10.8	-0.3	11.1
35	DISH	13.2	-0.2	13.4
36	COM	13.9	-2.0	15.9
37	CNBC	12.7	-0.3	13.0
38	AMC	11.9	0.3	11.6
39	TLC	13.7	-0.5	14.2
40	SPK	13.2	-0.6	13.8
41	HLN	12.0	0.8	11.2
42	TWC	13.3	1.0	12.3
43	NIC	14.2	-0.6	14.8
44	CORT	14.1	-0.5	14.6
45	MSNB	12.7	1.1	11.6
46	APL	13.6	0.2	13.4
47	LMN	14.4	-1.6	16.0
48	VH1	13.0	-0.8	13.8
49	SCFI	12.2	-0.7	12.9
50	FXSN	12.1	-0.5	12.6
51	GOLF	13.7	-1.8	15.5
52	BET	12.3	-0.2	12.5
53	MTV	11.5	-0.2	11.7



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DAVID_W
 Date: 02/16/04 Time: 05:00:50
 Description:

Serial #: 8263423
 File: HIBERNIA2

Cal Date: 05/15/02
 DOS File: HIBERNIA2

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLD	12.4	-1.6	14.0
55	OXYG	12.2	-2.3	14.5
56	HIST	12.3	0.4	11.9
57	DISN	11.9	-0.9	12.8
58	FOXN	13.1	-1.4	14.5
59	CSP1	13.0	-0.6	13.6
60	FITT	11.8	0.4	11.4
61	WE	12.1	-1.3	13.4
62	E	12.1	-3.8	15.9
63	SOAP	11.7	-1.5	13.2
64	SHOP	11.3	-1.2	12.5
65	OLN	12.4	-0.9	13.3
66	ESPC	13.1	-2.3	15.4
67	TCM	12.3	-1.1	13.4
68	TBN	11.3	-0.6	11.9
69	CMT	12.6	-1.6	14.2
70	NGEO	14.1	-1.3	15.4
71	FX	12.5	0.9	11.6
72	INSP	13.5	1.7	11.8
73	HALL	14.7	0.2	14.5
74	TRAV	15.2	0.8	14.4
75	TOON	13.3	1.1	12.2
76	HGTV	14.2	2.4	11.8
77	FOOD	14.4	0.8	13.6
99	TVG	10.8	-4.7	15.5
116	HIPT	18.0	3.8	14.2

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 9.0	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 116, Delta = 9.0	Pass
Min Delta V/A	6.5 dB	Ch 10 Delta V/A = 10.3	Pass
Max Delta V/A	17.0 dB	Ch 21 Delta V/A = 16.1	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 27 and 28, Delta = 2.7	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DAVID_W
 Date: 02/16/04 Time: 11:00:50
 Description:

Serial #: 8263423
 File: HIBERNIA2

Cal Date: 05/15/02
 DOS File: HIBERNIA2

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 42.8 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WRPX	10.8	-3.0	13.8
3	WRDC	9.6	-3.7	13.3
4	WUNP	9.8	-4.1	13.9
5	WRAL	10.9	-2.9	13.8
7	WAX	11.9	-1.1	13.0
8	WNCN	12.1	-2.2	14.3
9	WRAY	11.5	-1.1	12.6
10	WLFL	10.5	-0.1	10.6
11	WTVD	10.3	-1.3	11.6
12	WUVC	12.2	-2.2	14.4
13	WRAZ	12.8	1.2	11.6
14	NC14	10.5	-3.0	13.5
15	HSN	9.7	-1.9	11.6
16	QVC	10.8	-3.1	13.9
18	EDU	10.4	-2.1	12.5
19	HBC	10.1	-4.0	14.1
21	CSP2	12.6	-3.1	15.7
22	CMPR	10.7	-1.0	11.7
23	WGN	11.8	-1.2	13.0
24	TRIT	12.5	-0.6	13.1
25	USA	13.8	-0.8	14.6
26	TNT	12.9	-0.8	13.7
27	AE	10.9	-0.4	11.3
28	FAM	13.9	-1.5	15.4
29	CNN	13.4	-0.5	13.9
30	DSC	12.4	0.8	11.6
31	ESPN	11.0	-0.5	11.5
32	ESP2	13.6	-1.9	15.5
33	LIFE	13.2	-1.0	14.2
34	TBS	10.4	-0.3	10.7
35	DISH	12.7	-0.4	13.1
36	COM	13.7	-2.2	15.9
37	CNBC	12.1	-0.4	12.5
38	AMC	11.6	0.1	11.5
39	TLC	13.3	-0.7	14.0
40	SPK	13.6	-0.8	14.4
41	HLN	11.9	0.5	11.4
42	TWC	13.1	0.8	12.3
43	NIC	13.3	-0.9	14.2
44	CORT	14.1	-1.0	15.1
45	MSNB	12.2	0.9	11.3
46	APL	13.4	0.1	13.3
47	LMN	14.0	-1.8	15.8
48	VH1	13.1	-1.5	14.6
49	SCFI	12.2	-0.9	13.1
50	FXSN	12.7	-0.7	13.4
51	GOLF	13.7	-1.6	15.3
52	BET	12.0	-0.3	12.3
53	MTV	11.5	-0.7	12.2



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DAVID_W
 Date: 02/16/04 Time: 11:00:50
 Description:

Serial #: 8263423
 File: HIBERNIA2

Cal Date: 05/15/02
 DOS File: HIBERNIA2

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLD	12.1	-1.8	13.9
55	OXYG	11.8	-2.4	14.2
56	HIST	12.0	0.0	12.0
57	DISN	11.8	-0.9	12.7
58	FOXN	13.0	-1.6	14.6
59	CSP1	12.3	-0.7	13.0
60	FITT	11.4	0.2	11.2
61	WE	11.9	-1.3	13.2
62	E	12.0	-4.1	16.1
63	SOAP	11.6	-1.6	13.2
64	SHOP	10.8	-1.5	12.3
65	OLN	12.4	-1.0	13.4
66	ESPC	12.8	-2.6	15.4
67	TCM	12.2	-1.3	13.5
68	TBN	11.1	-0.9	12.0
69	CMT	12.3	-1.7	14.0
70	NGEO	13.6	-1.8	15.4
71	FX	12.0	0.8	11.2
72	INSP	13.3	1.4	11.9
73	HALL	14.4	-0.2	14.6
74	TRAV	14.2	0.6	13.6
75	TOON	13.1	1.0	12.1
76	HGTV	14.2	2.1	12.1
77	FOOD	14.1	0.5	13.6
99	TVG	10.6	-4.9	15.5
116	HIPT	17.7	3.5	14.2

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 9.6	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 116, Delta = 8.1	Pass
Min Delta V/A	6.5 dB	Ch 10 Delta V/A = 10.6	Pass
Max Delta V/A	17.0 dB	Ch 62 Delta V/A = 16.1	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 27 and 28, Delta = 3.0	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: Hwy 561
 Date of Test: 2-8-04 Time: 17:00
 Tech(s) Performing Test: Ruben Suljans

Highest Band Pass: 750MHz
 Test Point Number: 3
 Temperature: 33°
 Date Begun: 2-8-04

Equipment Used	Make/Model	Serial Number	Calibration Date
Spectrum Analyzer FSM	<u>SDA-5000</u>	<u>2381232</u>	<u>N/A</u>

Test Setup used: A 30 meeter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour.				
Date/Time				Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
	<u>2-8/17:00</u>	<u>2-8/23:00</u>	<u>2-9/5:00</u>	<u>1</u>
2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed).				
Maximum Video Carrier Level	<u>18.2</u>	<u>18.8</u>	<u>18.4</u>	<u>18.5</u>
Minimum Video Carrier Level	<u>10.9</u>	<u>11.6</u>	<u>11.5</u>	<u>11.4</u>
Variation Highest & Lowest Video Levels	<u>7.3</u>	<u>7.2</u>	<u>6.9</u>	<u>7.1</u>
Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth	<u>4.5</u>			Was the specification met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Justification for any variation in this requirement:				
3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier.				
Justification for any variation in this requirement:				
4. Video carriers are not allowed to vary more then 3 dB from any adjacent channel?:				
Justification for any variation greater than 3 dB:				
5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop:				
Justification for any video level less then 3 dBmV:				
6. During this 24 hour test all video carrier level changes must be less then 8 dB				
Justification for any variation greater then 8 dB:				
Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test.				
Justification for any variation greater then 8 dB:				



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/08/04 Time: 17:00:52
 Description:

Serial #: 2381232
 File: HWY561

Cal Date: 05/29/03
 DOS File: HWY561

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 77.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WRPX	14.7	1.5	13.2
3	WRDC	14.4	0.6	13.8
4	WUNP	13.8	0.2	13.6
5	WRAL	14.6	0.8	13.8
99	TVG	13.3	-0.3	13.6
14	NC14	13.4	0.3	13.1
15	HSN	14.0	1.2	12.8
16	QVC	15.1	1.0	14.1
18	EDU	14.0	1.5	12.5
19	HBC	15.5	-0.3	15.8
21	CSP2	15.1	1.9	13.2
22	CMPR	14.7	1.1	13.6
7	WAX	14.7	0.7	14.0
8	WNCN	14.4	-0.1	14.5
9	WRAY	14.7	0.9	13.8
10	WLFL	14.6	-0.4	15.0
11	WTVD	14.0	1.7	12.3
12	WUVC	14.9	1.9	13.0
13	WRAZ	15.2	0.4	14.8
23	WGN	14.7	0.6	14.1
24	TRIT	15.5	2.1	13.4
25	USA	15.9	2.5	13.4
26	TNT	15.4	1.5	13.9
27	AE	15.1	2.3	12.8
28	FAM	15.4	1.1	14.3
29	CNN	15.4	2.3	13.1
30	DSC	14.8	2.9	11.9
31	ESPN	15.1	1.6	13.5
32	ESP2	15.4	2.1	13.3
33	LIFE	14.6	2.2	12.4
34	TBS	13.6	0.1	13.5
35	DISH	13.4	-0.1	13.5
36	COM	13.8	0.9	12.9
37	CNBC	13.7	0.6	13.1
38	AMC	13.5	-2.1	15.6
39	TLC	13.9	0.2	13.7
40	SPK	13.8	-0.3	14.1
41	HLN	12.8	-0.3	13.1
42	TWC	13.9	0.5	13.4
43	NIC	14.1	-0.1	14.2
44	CORT	13.9	0.2	13.7
45	MSNB	13.9	0.1	13.8
46	APL	14.7	1.0	13.7
47	LMN	14.3	0.4	13.9
48	VH1	14.3	0.7	13.6
49	SCFI	14.3	0.0	14.3
50	FXSN	13.9	0.7	13.2
51	GOLF	13.3	-0.4	13.7
52	BET	12.9	-0.6	13.5



TIME WARNER
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FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/08/04 Time: 17:00:52
 Description:

Serial #: 2381232
 File: HWY561

Cal Date: 05/29/03
 DOS File: HWY561

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
53	MTV	13.5	-0.6	14.1
54	TVLD	12.5	-1.1	13.6
55	OXYG	12.8	0.2	12.6
56	HIST	13.7	0.6	13.1
57	DISN	13.6	-1.3	14.9
58	FOXN	13.6	0.3	13.3
59	CSP1	13.3	-0.2	13.5
60	FITT	13.5	0.8	12.7
61	WE	12.6	-0.6	13.2
62	E	12.8	-1.3	14.1
63	SOAP	12.1	-1.7	13.8
64	SHOP	11.8	-1.9	13.7
65	OLN	12.2	-1.4	13.6
66	ESPC	11.3	-2.4	13.7
67	TCM	11.0	-1.9	12.9
68	TBN	10.9	-2.7	13.6
69	CMT	11.7	-1.9	13.6
70	NGEO	11.3	-1.6	12.9
71	FX	12.6	0.7	11.9
72	INSP	12.9	-1.0	13.9
73	HALL	12.3	-1.2	13.5
74	TRAV	13.6	0.0	13.6
75	TOON	13.1	-0.9	14.0
76	HGTV	13.1	-0.7	13.8
77	FOOD	11.6	-0.7	12.3
116	HIPT	18.2	2.4	15.8

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 68 Video = 10.9	Pass
Max Delta Video Level	15.0 dB	Ch 68 and 116, Delta = 7.3	Pass
Min Delta V/A	6.5 dB	Ch 30 Delta V/A = 11.9	Pass
Max Delta V/A	17.0 dB	Ch 19 Delta V/A = 15.8	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 18 and 19, Delta = 1.5	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/08/04 Time: 23:00:52
 Description:

Serial #: 2381232
 File: HWY561

Cal Date: 05/29/03
 DOS File: HWY561

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 33.8 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WRPX	15.2	1.8	13.4
3	WRDC	14.3	0.8	13.5
4	WUNP	14.2	0.8	13.4
5	WRAL	14.7	1.4	13.3
99	TVG	13.8	0.1	13.7
14	NC14	13.8	1.0	12.8
15	HSN	14.8	1.8	13.0
16	QVC	15.5	1.6	13.9
18	EDU	14.9	2.3	12.6
19	HBC	16.5	0.5	16.0
21	CSP2	15.9	2.7	13.2
22	CMPR	15.4	1.9	13.5
7	WAX	15.6	1.7	13.9
8	WNCN	15.2	0.8	14.4
9	WRAY	15.8	1.7	14.1
10	WLFL	15.5	0.6	14.9
11	WTVN	14.8	2.7	12.1
12	WUVC	15.9	2.8	13.1
13	WRAZ	16.3	1.6	14.7
23	WGN	15.5	1.5	14.0
24	TRIT	16.0	3.1	12.9
25	USA	16.7	3.4	13.3
26	TNT	16.4	2.6	13.8
27	AE	16.1	3.5	12.6
28	FAM	17.2	2.3	14.9
29	CNN	16.1	3.4	12.7
30	DSC	16.9	3.9	13.0
31	ESPN	14.9	2.5	12.4
32	ESP2	16.1	3.1	13.0
33	LIFE	15.6	3.2	12.4
34	TBS	14.3	1.0	13.3
35	DISH	14.1	0.6	13.5
36	COM	14.7	1.6	13.1
37	CNBC	14.1	1.5	12.6
38	AMC	14.0	-1.4	15.4
39	TLC	14.6	0.7	13.9
40	SPK	14.0	0.4	13.6
41	HLN	13.5	0.3	13.2
42	TWC	14.6	1.3	13.3
43	NIC	14.7	1.5	13.2
44	CORT	14.6	0.9	13.7
45	MSNB	14.5	0.9	13.6
46	APL	15.2	1.5	13.7
47	LMN	14.4	0.8	13.6
48	VH1	15.0	1.3	13.7
49	SCFI	15.0	0.7	14.3
50	FXSN	14.4	1.5	12.9
51	GOLF	13.9	0.3	13.6
52	BET	13.7	0.1	13.6



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000

Serial #: 2381232

Cal Date: 05/29/03

Operator: ?

File: HWY561

DOS File: HWY561

Date: 02/08/04 Time: 23:00:52

Description:

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
53	MTV	13.5	0.0	13.5
54	TVLD	12.9	-0.6	13.5
55	OXYG	13.4	0.9	12.5
56	HIST	14.3	1.3	13.0
57	DISN	14.3	-0.8	15.1
58	FOXN	13.9	0.9	13.0
59	CSP1	14.3	0.6	13.7
60	FITT	14.5	1.8	12.7
61	WE	13.1	0.1	13.0
62	E	13.6	-0.9	14.5
63	SOAP	12.6	-1.1	13.7
64	SHOP	12.4	-1.4	13.8
65	OLN	12.6	-0.7	13.3
66	ESPC	12.1	-1.6	13.7
67	TCM	11.9	-1.3	13.2
68	TBN	11.6	-2.2	13.8
69	CMT	12.1	-1.2	13.3
70	NGEO	12.0	-1.0	13.0
71	FX	13.2	1.4	11.8
72	INSP	13.1	-0.7	13.8
73	HALL	12.8	-0.5	13.3
74	TRAV	14.2	0.6	13.6
75	TOON	13.4	-0.2	13.6
76	HGTV	13.5	0.0	13.5
77	FOOD	12.5	0.0	12.5
116	HIPT	18.8	2.7	16.1

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 68 Video = 11.6	Pass
Max Delta Video Level	15.0 dB	Ch 68 and 116, Delta = 7.2	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 11.8	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 16.1	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 30 and 31, Delta = 2.0	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/09/04 Time: 05:00:52
 Description:

Serial #: 2381232
 File: HWY561

Cal Date: 05/29/03
 DOS File: HWY561

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 30.2 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WRPX	14.8	1.6	13.2
3	WRDC	14.3	1.0	13.3
4	WUNP	13.6	0.6	13.0
5	WRAL	14.5	1.1	13.4
99	TVG	13.6	0.1	13.5
14	NC14	13.5	0.8	12.7
15	HSN	14.4	1.7	12.7
16	QVC	15.3	1.4	13.9
18	EDU	15.0	2.7	12.3
19	HBC	16.8	0.6	16.2
21	CSP2	15.9	2.7	13.2
22	CMPR	15.7	2.3	13.4
7	WAX	15.6	2.4	13.2
8	WNCN	15.4	1.1	14.3
9	WRAY	15.7	1.5	14.2
10	WLFL	15.6	0.6	15.0
11	WTVD	15.2	2.7	12.5
12	WUVC	15.9	2.9	13.0
13	WRAZ	16.3	1.6	14.7
23	WGN	15.7	1.8	13.9
24	TRIT	16.1	3.5	12.6
25	USA	17.2	3.6	13.6
26	TNT	16.3	2.7	13.6
27	AE	17.1	3.4	13.7
28	FAM	17.2	2.3	14.9
29	CNN	16.4	3.5	12.9
30	DSC	16.9	4.2	12.7
31	ESPN	15.3	2.9	12.4
32	ESP2	16.2	3.5	12.7
33	LIFE	16.1	3.5	12.6
34	TBS	14.4	1.1	13.3
35	DISH	14.3	0.9	13.4
36	COM	14.9	1.8	13.1
37	CNBC	15.0	1.6	13.4
38	AMC	14.3	-1.3	15.6
39	TLC	15.1	0.9	14.2
40	SPK	15.1	0.6	14.5
41	HLN	14.6	0.6	14.0
42	TWC	14.8	1.6	13.2
43	NIC	15.0	1.7	13.3
44	CORT	14.8	1.2	13.6
45	MSNB	14.8	0.9	13.9
46	APL	15.4	1.6	13.8
47	LMN	14.9	1.1	13.8
48	VH1	15.0	1.4	13.6
49	SCFI	15.0	0.7	14.3
50	FXSN	14.8	1.5	13.3
51	GOLF	14.0	0.4	13.6
52	BET	13.6	0.3	13.3



TIME WARNER
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FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/09/04 Time: 05:00:52
 Description:

Serial #: 2381232
 File: HWY561

Cal Date: 05/29/03
 DOS File: HWY561

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
53	MTV	13.9	0.4	13.5
54	TVLD	13.3	-0.4	13.7
55	OXYG	13.7	0.9	12.8
56	HIST	14.4	1.2	13.2
57	DISN	14.6	-0.6	15.2
58	FOXN	14.2	1.0	13.2
59	CSP1	14.2	0.7	13.5
60	FITT	14.8	1.9	12.9
61	WE	13.6	0.3	13.3
62	E	13.7	-0.6	14.3
63	SOAP	12.8	-0.9	13.7
64	SHOP	12.6	-1.2	13.8
65	OLN	12.9	-0.7	13.6
66	ESPC	12.4	-1.4	13.8
67	TCM	12.0	-1.1	13.1
68	TBN	11.5	-1.8	13.3
69	CMT	12.8	-1.2	14.0
70	NGEO	11.7	-1.4	13.1
71	FX	13.2	1.2	12.0
72	INSP	13.3	-0.5	13.8
73	HALL	13.0	-0.6	13.6
74	TRAV	14.0	0.5	13.5
75	TOON	14.4	-0.1	14.5
76	HGTV	13.3	-0.1	13.4
77	FOOD	12.8	0.0	12.8
116	HIPT	18.4	2.8	15.6

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 68 Video = 11.5	Pass
Max Delta Video Level	15.0 dB	Ch 68 and 116, Delta = 6.9	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 12.0	Pass
Max Delta V/A	17.0 dB	Ch 19 Delta V/A = 16.2	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 18 and 19, Delta = 1.8	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/09/04 Time: 11:00:52
 Description:

Serial #: 2381232
 File: HWY561

Cal Date: 05/29/03
 DOS File: HWY561

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 39.2 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WRPX	15.3	2.0	13.3
3	WRDC	15.0	0.9	14.1
4	WUNP	14.0	0.6	13.4
5	WRAL	14.6	1.3	13.3
99	TVG	13.6	0.1	13.5
14	NC14	13.9	0.9	13.0
15	HSN	14.5	1.7	12.8
16	QVC	15.4	1.5	13.9
18	EDU	15.1	2.6	12.5
19	HBC	16.1	0.6	15.5
21	CSP2	15.6	2.4	13.2
22	CMPR	15.5	2.0	13.5
7	WAX	15.5	1.5	14.0
8	WNCN	15.1	0.7	14.4
9	WRAY	15.2	0.9	14.3
10	WLFL	15.5	0.4	15.1
11	WTVN	14.6	2.3	12.3
12	WUVC	15.4	2.3	13.1
13	WRAZ	16.0	1.3	14.7
23	WGN	15.4	1.3	14.1
24	TRIT	16.0	2.9	13.1
25	USA	16.5	3.3	13.2
26	TNT	16.2	2.2	14.0
27	AE	16.0	2.9	13.1
28	FAM	16.5	1.8	14.7
29	CNN	16.0	3.1	12.9
30	DSC	16.5	3.9	12.6
31	ESPN	14.8	2.3	12.5
32	ESP2	15.9	2.8	13.1
33	LIFE	16.1	3.1	13.0
34	TBS	15.0	0.8	14.2
35	DISH	14.1	0.3	13.8
36	COM	14.7	1.5	13.2
37	CNBC	14.6	1.2	13.4
38	AMC	13.7	-1.6	15.3
39	TLC	14.4	0.9	13.5
40	SPK	14.1	0.5	13.6
41	HLN	14.5	0.5	14.0
42	TWC	14.3	0.7	13.6
43	NIC	14.8	1.3	13.5
44	CORT	14.0	0.6	13.4
45	MSNB	14.3	0.5	13.8
46	APL	15.1	1.2	13.9
47	LMN	14.5	0.9	13.6
48	VH1	13.7	1.1	12.6
49	SCFI	14.8	0.7	14.1
50	FXSN	14.5	1.4	13.1
51	GOLF	13.9	0.1	13.8
52	BET	13.5	0.1	13.4



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/09/04 Time: 11:00:52
 Description:

Serial #: 2381232
 File: HWY561

Cal Date: 05/29/03
 DOS File: HWY561

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
53	MTV	14.0	0.0	14.0
54	TVLD	12.6	-0.6	13.2
55	OXYG	13.5	0.9	12.6
56	HIST	13.8	0.9	12.9
57	DISN	13.8	-1.3	15.1
58	FOXN	12.9	0.7	12.2
59	CSP1	13.7	0.1	13.6
60	FITT	13.9	1.2	12.7
61	WE	12.7	-0.1	12.8
62	E	13.0	-1.0	14.0
63	SOAP	12.4	-1.4	13.8
64	SHOP	11.9	-1.6	13.5
65	OLN	12.8	-0.7	13.5
66	ESPC	12.1	-1.6	13.7
67	TCM	11.6	-1.6	13.2
68	TBN	11.4	-2.0	13.4
69	CMT	12.4	-1.6	14.0
70	NGEO	12.0	-1.3	13.3
71	FX	12.7	1.0	11.7
72	INSP	12.9	-0.8	13.7
73	HALL	12.2	-1.0	13.2
74	TRAV	13.5	0.3	13.2
75	TOON	13.3	-0.7	14.0
76	HGTV	13.2	-0.3	13.5
77	FOOD	12.3	-0.3	12.6
116	HIPT	18.5	2.8	15.7

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 68 Video = 11.4	Pass
Max Delta Video Level	15.0 dB	Ch 68 and 116, Delta = 7.1	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 11.7	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 15.7	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 30 and 31, Delta = 1.7	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: Southern Mill Rd.
 Date of Test: 2-6-04 Time: 18:00
 Tech(s) Performing Test: Bobby Debnam

Highest Band Pass: 750 MHz
 Test Point Number: 4
 Temperature: 41°
 Date Begun: 2-6-04

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer	<u>NA</u>	<u>NA</u>	<u>NA</u>
FSM	<u>SDA-5000</u>	<u>2381253</u>	<u>N/A</u>

Test Setup used: A 30 meter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour.				
Date/Time	<u>2-6/18:00</u>	<u>2-7/00:00</u>	<u>2-7/6:00</u>	<u>2-7/12:00</u>
Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>				
2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed).				
Maximum Video Carrier Level	<u>13.1</u>	<u>13.3</u>	<u>13.3</u>	<u>13.4</u>
Minimum Video Carrier Level	<u>9.1</u>	<u>9.2</u>	<u>9.6</u>	<u>9.1</u>
Variation Highest & Lowest Video Levels	<u>4.0</u>	<u>4.1</u>	<u>3.7</u>	<u>4.3</u>
Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth <u>4.5</u> Was the specification met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>				
Justification for any variation in this requirement:				
3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier.				
Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>				
Justification for any variation in this requirement:				
4. Video carriers are not allowed to vary more then 3 dB from any adjacent channel?:				
Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>				
Justification for any variation greater than 3 dB:				
5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop:				
Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>				
Justification for any video level less then 3 dBmV:				
6. During this 24 hour test all video carrier level changes must be less then 8 dB				
Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>				
Justification for any variation greater then 8 dB: _____				
Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test.				
Was this Specification Met? Yes <input type="checkbox"/> , No <input type="checkbox"/>				
Justification for any variation greater then 8 dB: <u>New test point</u>				



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/06/04 Time: 18:00:51
 Description:

Serial #: 2381253
 File: HTP1

Cal Date: 09/11/03
 DOS File: HTP1

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 66.2 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2		10.7	-2.4	13.1
3		10.3	-2.6	12.9
4		9.9	-3.5	13.4
5		10.3	-2.9	13.2
99		10.2	-3.4	13.6
14		10.8	-2.4	13.2
18		11.3	-2.1	13.4
19		11.7	-3.9	15.6
21		12.6	-1.4	14.0
22		11.6	-1.5	13.1
7		12.3	-1.6	13.9
8		12.0	-3.1	15.1
9		11.8	-2.0	13.8
10		11.8	-2.6	14.4
11		11.4	-1.2	12.6
12		12.2	-1.2	13.4
13		12.7	-1.5	14.2
23		12.3	-1.6	13.9
24		12.4	-1.0	13.4
25		12.7	-0.1	12.8
26		12.6	-1.5	14.1
27		12.8	-1.1	13.9
28		12.3	-1.5	13.8
29		13.0	-0.1	13.1
30		13.1	-0.5	13.6
31		12.4	-1.0	13.4
32		12.9	-0.5	13.4
33		12.9	-0.3	13.2
34		10.2	-2.4	12.6
35		11.3	-2.3	13.6
36		11.5	-1.8	13.3
37		10.5	-2.1	12.6
38		11.1	-3.7	14.8
39		11.7	-2.0	13.7
40		11.7	-2.2	13.9
41		11.4	-1.9	13.3
42		11.8	-1.7	13.5
43		11.6	-2.4	14.0
44		11.7	-2.0	13.7
45		11.4	-2.2	13.6
46		11.6	-1.8	13.4
47		11.4	-1.7	13.1
48		11.3	-2.0	13.3
49		11.4	-2.6	14.0
50		11.5	-1.3	12.8
51		11.4	-2.6	14.0
52		10.3	-2.8	13.1
53		10.5	-2.1	12.6
54		9.8	-3.4	13.2



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/06/04 Time: 18:00:51
 Description:

Serial #: 2381253
 File: HTP1

Cal Date: 09/11/03
 DOS File: HTP1

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55		10.0	-2.7	12.7
56		9.9	-2.5	12.4
57		10.4	-4.9	15.3
58		9.9	-3.2	13.1
59		9.9	-3.0	12.9
60		10.6	-1.7	12.3
61		9.9	-3.4	13.3
62		9.4	-4.8	14.2
63		9.6	-3.7	13.3
64		9.9	-4.6	14.5
65		9.7	-3.6	13.3
66		9.2	-4.1	13.3
67		9.7	-4.2	13.9
68		9.1	-4.8	13.9
69		10.0	-4.0	14.0
70		10.0	-4.0	14.0
71		10.4	-2.0	12.4
72		10.5	-3.1	13.6
73		9.7	-3.6	13.3
74		10.5	-2.9	13.4
75		10.4	-2.8	13.2
76		10.3	-2.6	12.9
77		9.4	-2.9	12.3
78		10.5	-2.6	13.1
116		12.7	-2.8	15.5

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 68 Video = 9.1	Pass
Max Delta Video Level	15.0 dB	Ch 30 and 68, Delta = 4.0	Pass
Min Delta V/A	6.5 dB	Ch 60 Delta V/A = 12.3	Pass
Max Delta V/A	17.0 dB	Ch 19 Delta V/A = 15.6	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 33 and 34, Delta = 2.7	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/07/04 Time: 00:00:51
 Description:

Serial #: 2381253
 File: HTP1

Cal Date: 09/11/03
 DOS File: HTP1

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 41.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2		10.5	-2.5	13.0
3		10.0	-2.9	12.9
4		9.6	-3.5	13.1
5		10.0	-2.8	12.8
99		9.9	-3.4	13.3
14		10.4	-2.8	13.2
18		11.4	-2.2	13.6
19		12.0	-3.1	15.1
21		11.9	-1.6	13.5
22		11.8	-1.6	13.4
7		12.1	-1.5	13.6
8		12.0	-3.3	15.3
9		11.5	-2.4	13.9
10		11.9	-2.7	14.6
11		11.1	-1.3	12.4
12		12.1	-1.0	13.1
13		12.5	-1.9	14.4
23		12.5	-2.4	14.9
24		11.7	-1.9	13.6
25		12.8	0.0	12.8
26		12.3	-1.3	13.6
27		11.9	-1.2	13.1
28		12.5	-1.5	14.0
29		12.9	-0.2	13.1
30		12.9	-0.2	13.1
31		12.0	-0.9	12.9
32		12.1	-0.7	12.8
33		12.5	-0.2	12.7
34		10.8	-1.7	12.5
35		11.3	-2.1	13.4
36		11.5	-1.8	13.3
37		11.6	-1.8	13.4
38		11.2	-4.1	15.3
39		11.8	-1.5	13.3
40		10.9	-2.1	13.0
41		11.4	-1.4	12.8
42		11.7	-1.8	13.5
43		12.0	-1.1	13.1
44		11.4	-1.7	13.1
45		11.4	-2.3	13.7
46		11.8	-1.6	13.4
47		11.7	-1.5	13.2
48		11.7	-1.8	13.5
49		11.6	-2.7	14.3
50		11.2	-1.4	12.6
51		11.1	-2.6	13.7
52		10.2	-3.0	13.2
53		10.6	-2.7	13.3
54		10.1	-3.6	13.7



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/07/04 Time: 00:00:51
 Description:

Serial #: 2381253
 File: HTP1

Cal Date: 09/11/03
 DOS File: HTP1

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55		10.0	-2.9	12.9
56		9.9	-2.5	12.4
57		10.1	-4.8	14.9
58		10.1	-3.3	13.4
59		10.2	-3.3	13.5
60		10.8	-1.7	12.5
61		9.9	-3.2	13.1
62		9.7	-4.4	14.1
63		10.1	-3.5	13.6
64		10.1	-4.3	14.4
65		9.9	-3.3	13.2
66		10.2	-4.0	14.2
67		10.0	-3.8	13.8
68		9.2	-4.8	14.0
69		10.2	-3.9	14.1
70		9.7	-4.2	13.9
71		10.3	-2.2	12.5
72		10.6	-3.3	13.9
73		9.8	-3.2	13.0
74		11.0	-2.8	13.8
75		11.2	-3.0	14.2
76		10.9	-2.4	13.3
77		10.0	-2.3	12.3
78		11.1	-2.4	13.5
116		13.3	-2.3	15.6

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 68 Video = 9.2	Pass
Max Delta Video Level	15.0 dB	Ch 68 and 116, Delta = 4.1	Pass
Min Delta V/A	6.5 dB	Ch 77 Delta V/A = 12.3	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 15.6	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 33 and 34, Delta = 1.7	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/07/04 Time: 06:00:51
 Description:

Serial #: 2381253
 File: HTP1

Cal Date: 09/11/03
 DOS File: HTP1

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 42.8 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2		10.6	-2.5	13.1
3		10.7	-2.7	13.4
4		10.1	-3.3	13.4
5		10.5	-2.9	13.4
99		9.6	-3.4	13.0
14		10.7	-2.2	12.9
18		11.6	-1.8	13.4
19		12.4	-3.1	15.5
21		12.2	-1.3	13.5
22		12.1	-1.2	13.3
7		12.3	-0.9	13.2
8		12.1	-2.8	14.9
9		11.6	-2.3	13.9
10		12.2	-2.6	14.8
11		11.5	-1.0	12.5
12		12.3	-0.7	13.0
13		12.5	-1.4	13.9
23		12.6	-2.1	14.7
24		12.6	-0.6	13.2
25		12.7	-0.1	12.8
26		12.7	-1.3	14.0
27		12.1	-1.0	13.1
28		12.4	-1.4	13.8
29		13.1	0.2	12.9
30		11.9	0.3	11.6
31		11.6	-0.9	12.5
32		12.0	-0.6	12.6
33		12.1	-0.3	12.4
34		11.8	-1.8	13.6
35		11.9	-1.7	13.6
36		12.4	-1.3	13.7
37		11.7	-1.7	13.4
38		11.4	-3.8	15.2
39		12.1	-1.7	13.8
40		11.5	-2.0	13.5
41		11.6	-1.4	13.0
42		12.0	-1.5	13.5
43		11.9	-1.4	13.3
44		12.0	-1.5	13.5
45		11.8	-2.0	13.8
46		11.8	-1.5	13.3
47		11.7	-1.5	13.2
48		11.6	-1.4	13.0
49		11.9	-2.4	14.3
50		11.7	-1.1	12.8
51		11.6	-2.1	13.7
52		10.7	-2.2	12.9
53		10.7	-2.2	12.9
54		10.5	-2.8	13.3



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/07/04 Time: 06:00:51
 Description:

Serial #: 2381253
 File: HTP1

Cal Date: 09/11/03
 DOS File: HTP1

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55		9.9	-2.6	12.5
56		10.2	-2.3	12.5
57		10.1	-4.7	14.8
58		10.2	-3.0	13.2
59		10.8	-2.8	13.6
60		11.1	-1.2	12.3
61		9.9	-3.0	12.9
62		9.7	-4.1	13.8
63		10.1	-3.1	13.2
64		10.1	-4.1	14.2
65		10.4	-2.9	13.3
66		9.8	-4.0	13.8
67		10.3	-3.7	14.0
68		9.8	-4.6	14.4
69		10.3	-3.5	13.8
70		9.9	-4.1	14.0
71		10.7	-1.9	12.6
72		10.4	-3.5	13.9
73		9.8	-3.3	13.1
74		10.6	-2.2	12.8
75		10.7	-3.1	13.8
76		10.8	-2.2	13.0
77		10.0	-2.3	12.3
78		11.2	-2.2	13.4
116		13.3	-2.3	15.6

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 99 Video = 9.6	Pass
Max Delta Video Level	15.0 dB	Ch 99 and 116, Delta = 3.7	Pass
Min Delta V/A	6.5 dB	Ch 30 Delta V/A = 11.6	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 15.6	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 29 and 30, Delta = 1.2	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/07/04 Time: 12:00:51
 Description:

Serial #: 2381253
 File: HTP1

Cal Date: 09/11/03
 DOS File: HTP1

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 42.8 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2		10.5	-2.5	13.0
3		10.2	-2.7	12.9
4		9.8	-3.3	13.1
5		9.9	-2.8	12.7
99		9.7	-3.5	13.2
14		10.6	-2.5	13.1
18		11.4	-2.2	13.6
19		12.1	-3.3	15.4
21		12.4	-1.5	13.9
22		11.4	-1.4	12.8
7		12.5	-1.4	13.9
8		11.9	-2.8	14.7
9		11.8	-2.2	14.0
10		11.8	-2.5	14.3
11		11.2	-0.9	12.1
12		12.0	-1.2	13.2
13		12.5	-1.8	14.3
23		12.8	-2.2	15.0
24		12.2	-0.9	13.1
25		12.7	-0.4	13.1
26		12.4	-1.2	13.6
27		12.0	-1.2	13.2
28		12.9	-1.3	14.2
29		12.9	-0.2	13.1
30		12.0	-0.3	12.3
31		11.2	-1.2	12.4
32		13.1	-0.4	13.5
33		11.7	-0.6	12.3
34		11.6	-2.0	13.6
35		11.3	-2.3	13.6
36		11.4	-1.7	13.1
37		11.6	-2.0	13.6
38		11.1	-3.9	15.0
39		11.7	-2.0	13.7
40		11.3	-2.3	13.6
41		11.8	-2.0	13.8
42		11.7	-1.8	13.5
43		11.9	-2.3	14.2
44		11.9	-1.6	13.5
45		11.4	-2.2	13.6
46		11.9	-1.7	13.6
47		11.6	-1.8	13.4
48		11.3	-1.5	12.8
49		11.7	-2.5	14.2
50		11.2	-1.2	12.4
51		11.2	-2.3	13.5
52		10.5	-2.8	13.3
53		10.8	-2.4	13.2
54		10.4	-3.5	13.9



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/07/04 Time: 12:00:51
 Description:

Serial #: 2381253
 File: HTP1

Cal Date: 09/11/03
 DOS File: HTP1

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55		10.5	-3.0	13.5
56		10.2	-2.5	12.7
57		10.7	-4.7	15.4
58		10.3	-3.3	13.6
59		10.3	-3.3	13.6
60		10.8	-1.7	12.5
61		9.9	-3.3	13.2
62		9.4	-4.5	13.9
63		9.6	-3.5	13.1
64		10.4	-4.2	14.6
65		10.0	-3.3	13.3
66		9.5	-4.0	13.5
67		9.8	-4.1	13.9
68		9.1	-4.6	13.7
69		10.2	-4.0	14.2
70		9.4	-4.3	13.7
71		10.1	-1.8	11.9
72		10.1	-3.6	13.7
73		9.6	-3.5	13.1
74		10.7	-3.0	13.7
75		10.3	-3.1	13.4
76		10.7	-2.4	13.1
77		9.9	-2.4	12.3
78		11.5	-2.3	13.8
116		13.4	-2.6	16.0

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 68 Video = 9.1	Pass
Max Delta Video Level	15.0 dB	Ch 68 and 116, Delta = 4.3	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 11.9	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 16.0	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 31 and 32, Delta = 1.9	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: Puckett
 Date of Test: 2-25-04 Time: 12:00
 Tech(s) Performing Test: Eddie Blake

Highest Band Pass: 750MHz
 Test Point Number: 5
 Temperature: 37°
 Date Begun: 2-25-04

Equipment Used	Make/Model	Serial Number	Calibration Date
Spectrum Analyzer FSM	<u>SDA-5000</u>	<u>6313666</u>	<u>N/A</u>

Test Setup used: A 30 meter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour. Date/Time: <u>2-25/12:00</u> <u>2-25/18:00</u> <u>2-26/00:52</u> <u>2-26/6:00</u>	Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>															
2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed). <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Maximum Video Carrier Level</td> <td style="width: 15%;"><u>20.0</u></td> <td style="width: 15%;"><u>20.3</u></td> <td style="width: 15%;"><u>20.8</u></td> <td style="width: 15%;"><u>20.7</u></td> </tr> <tr> <td>Minimum Video Carrier Level</td> <td><u>10.4</u></td> <td><u>10.6</u></td> <td><u>11.0</u></td> <td><u>11.1</u></td> </tr> <tr> <td>Variation Highest & Lowest Video Levels</td> <td><u>9.6</u></td> <td><u>9.7</u></td> <td><u>9.8</u></td> <td><u>9.6</u></td> </tr> </table> Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth <u>4.5</u> Was the specification met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> Justification for any variation in this requirement: _____		Maximum Video Carrier Level	<u>20.0</u>	<u>20.3</u>	<u>20.8</u>	<u>20.7</u>	Minimum Video Carrier Level	<u>10.4</u>	<u>10.6</u>	<u>11.0</u>	<u>11.1</u>	Variation Highest & Lowest Video Levels	<u>9.6</u>	<u>9.7</u>	<u>9.8</u>	<u>9.6</u>
Maximum Video Carrier Level	<u>20.0</u>	<u>20.3</u>	<u>20.8</u>	<u>20.7</u>												
Minimum Video Carrier Level	<u>10.4</u>	<u>10.6</u>	<u>11.0</u>	<u>11.1</u>												
Variation Highest & Lowest Video Levels	<u>9.6</u>	<u>9.7</u>	<u>9.8</u>	<u>9.6</u>												
3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier. Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> Justification for any variation in this requirement: _____																
4. Video carriers are not allowed to vary more then 3 dB from any adjacent channel?: Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> Justification for any variation greater than 3 dB: _____																
5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop. Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> Justification for any video level less then 3 dBmV: _____																
6. During this 24 hour test all video carrier level changes must be less then 8 dB Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> Justification for any variation greater then 8 dB: _____ Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test. Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> Justification for any variation greater then 8 dB: _____																



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/25/04 Time: 12:00:52
 Description:

Serial #: 6313666
 File: PUCKETT

Cal Date: 04/11/03
 DOS File: PUCKETT

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 71.6 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WRPX	20.0	6.9	13.1
3	WRDC	19.8	5.4	14.4
4	WUNP	19.1	5.5	13.6
5	WRAL	19.4	7.6	11.8
99	TVG	17.9	4.6	13.3
14	NC14	18.9	5.6	13.3
15	HSN	19.2	5.8	13.4
16	QVC	19.0	5.6	13.4
18	EDU	18.2	5.3	12.9
19	HBC	18.2	4.2	14.0
21	CSP2	18.4	5.0	13.4
22	CMPR	17.8	4.4	13.4
7	WAX	18.4	5.4	13.0
8	WNCN	18.0	5.3	12.7
9	WRAY	17.6	4.5	13.1
10	WLFL	17.6	5.3	12.3
11	WTVD	17.3	4.5	12.8
12	WUVC	17.7	4.4	13.3
13	WRAZ	18.1	6.7	11.4
23	WGN	17.4	3.4	14.0
24	TRIT	17.4	4.7	12.7
25	USA	18.6	5.3	13.3
26	TNT	18.5	4.4	14.1
27	AE	16.7	4.6	12.1
28	FAM	18.3	4.4	13.9
29	CNN	18.1	5.0	13.1
30	DSC	18.3	5.4	12.9
31	ESPN	16.8	3.9	12.9
32	ESP2	17.2	4.1	13.1
33	LIFE	16.1	3.0	13.1
34	TBS	16.5	2.9	13.6
35	DISH	16.5	2.7	13.8
36	COM	15.9	2.2	13.7
37	CNBC	14.4	1.8	12.6
38	AMC	14.6	0.4	14.2
39	TLC	14.1	0.9	13.2
40	SPK	14.9	2.5	12.4
41	HLN	16.0	2.2	13.8
42	TWC	15.7	2.1	13.6
43	NIC	14.7	1.2	13.5
44	CORT	15.6	2.2	13.4
45	MSNB	15.5	2.2	13.3
46	APL	16.0	2.2	13.8
47	LMN	15.7	2.3	13.4
48	VH1	15.4	1.9	13.5
49	SCFI	15.3	1.1	14.2
50	FXSN	14.0	2.1	11.9
51	GOLF	15.2	1.2	14.0
52	BET	14.6	1.9	12.7



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/25/04 Time: 12:00:52
 Description:

Serial #: 6313666
 File: PUCKETT

Cal Date: 04/11/03
 DOS File: PUCKETT

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
53	MTV	14.3	1.3	13.0
54	TVLD	14.3	0.9	13.4
55	OXYG	14.0	0.4	13.6
56	HIST	13.7	0.7	13.0
57	DISN	13.4	0.3	13.1
58	FOXN	13.6	0.3	13.3
59	CSP1	13.8	0.6	13.2
60	FITT	13.8	1.4	12.4
61	WE	12.6	-0.1	12.7
62	E	12.7	-1.8	14.5
63	SOAP	11.6	-2.2	13.8
64	SHOP	11.8	-2.0	13.8
65	OLN	11.4	-1.0	12.4
66	ESPC	11.3	-1.6	12.9
67	TCM	11.5	-1.3	12.8
68	TBN	12.4	-2.0	14.4
69	CMT	12.0	-1.3	13.3
70	NGEO	11.8	-0.9	12.7
71	FX	11.6	-0.8	12.4
72	INSP	12.6	-1.8	14.4
73	HALL	11.9	-2.1	14.0
74	TRAV	11.0	-1.3	12.3
75	TOON	11.0	-1.9	12.9
76	HGTV	11.6	-2.0	13.6
77	FOOD	10.4	-2.2	12.6
116	HIPT	10.6	-1.4	12.0

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 77 Video = 10.4	Pass
Max Delta Video Level	15.0 dB	Ch 2 and 77, Delta = 9.6	Pass
Min Delta V/A	6.5 dB	Ch 13 Delta V/A = 11.4	Pass
Max Delta V/A	17.0 dB	Ch 62 Delta V/A = 14.5	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 26 and 27, Delta = 1.8	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/25/04 Time: 18:00:52
 Description:

Serial #: 6313666
 File: PUCKETT

Cal Date: 04/11/03
 DOS File: PUCKETT

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 66.2 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WRPX	20.3	7.2	13.1
3	WRDC	20.1	5.9	14.2
4	WUNP	19.3	5.7	13.6
5	WRAL	19.6	8.0	11.6
99	TVG	18.3	5.0	13.3
14	NC14	19.3	5.9	13.4
15	HSN	19.6	6.2	13.4
16	QVC	19.3	6.0	13.3
18	EDU	18.8	5.7	13.1
19	HBC	18.6	4.3	14.3
21	CSP2	18.8	5.3	13.5
22	CMPR	18.5	5.0	13.5
7	WAX	18.6	6.4	12.2
8	WNCN	18.4	5.6	12.8
9	WRAY	18.2	4.6	13.6
10	WLFL	17.7	5.6	12.1
11	WTVB	17.6	4.7	12.9
12	WUVC	17.9	4.7	13.2
13	WRAZ	18.5	7.0	11.5
23	WGN	17.7	3.7	14.0
24	TRIT	17.8	5.0	12.8
25	USA	18.7	5.6	13.1
26	TNT	18.8	4.7	14.1
27	AE	16.7	4.6	12.1
28	FAM	18.3	4.6	13.7
29	CNN	18.5	5.3	13.2
30	DSC	18.2	5.6	12.6
31	ESPN	16.9	4.2	12.7
32	ESP2	16.5	4.0	12.5
33	LIFE	17.2	3.4	13.8
34	TBS	15.9	3.0	12.9
35	DISH	16.9	3.2	13.7
36	COM	16.1	2.5	13.6
37	CNBC	14.9	2.1	12.8
38	AMC	15.9	1.7	14.2
39	TLC	15.0	0.8	14.2
40	SPK	14.2	2.4	11.8
41	HLN	15.2	2.4	12.8
42	TWC	15.9	2.4	13.5
43	NIC	15.6	2.3	13.3
44	CORT	15.9	2.6	13.3
45	MSNB	15.9	2.6	13.3
46	APL	16.6	3.1	13.5
47	LMN	15.8	2.5	13.3
48	VH1	15.6	2.2	13.4
49	SCFI	15.4	1.3	14.1
50	FXSN	14.1	2.2	11.9
51	GOLF	15.2	1.6	13.6
52	BET	15.1	2.4	12.7



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/25/04 Time: 18:00:52
 Description:

Serial #: 6313666
 File: PUCKETT

Cal Date: 04/11/03
 DOS File: PUCKETT

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
53	MTV	14.3	1.3	13.0
54	TVLD	14.6	1.0	13.6
55	OXYG	14.3	0.6	13.7
56	HIST	14.1	1.0	13.1
57	DISN	14.0	1.1	12.9
58	FOXN	12.9	0.4	12.5
59	CSP1	13.0	0.0	13.0
60	FITT	14.2	1.8	12.4
61	WE	13.3	0.2	13.1
62	E	12.3	-1.5	13.8
63	SOAP	12.1	-1.8	13.9
64	SHOP	11.9	-1.5	13.4
65	OLN	11.9	-0.4	12.3
66	ESPC	11.8	-1.0	12.8
67	TCM	12.6	-0.5	13.1
68	TBN	13.2	-1.0	14.2
69	CMT	12.4	-1.1	13.5
70	NGEO	12.0	-0.4	12.4
71	FX	11.8	-0.6	12.4
72	INSP	13.1	-1.1	14.2
73	HALL	12.3	-1.5	13.8
74	TRAV	11.6	-1.2	12.8
75	TOON	11.0	-1.9	12.9
76	HGTV	11.7	-1.8	13.5
77	FOOD	10.6	-1.8	12.4
116	HIPT	10.7	-1.3	12.0

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 77 Video = 10.6	Pass
Max Delta Video Level	15.0 dB	Ch 2 and 77, Delta = 9.7	Pass
Min Delta V/A	6.5 dB	Ch 13 Delta V/A = 11.5	Pass
Max Delta V/A	17.0 dB	Ch 19 Delta V/A = 14.3	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 26 and 27, Delta = 2.1	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____

Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/26/04 Time: 00:00:52
 Description:

Serial #: 6313666
 File: PUCKETT

Cal Date: 04/11/03
 DOS File: PUCKETT

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 37.4 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WRPX	20.8	7.7	13.1
3	WRDC	20.2	5.9	14.3
4	WUNP	19.6	6.0	13.6
5	WRAL	19.9	8.2	11.7
99	TVG	18.7	5.2	13.5
14	NC14	19.4	6.1	13.3
15	HSN	19.7	6.5	13.2
16	QVC	19.6	6.2	13.4
18	EDU	19.0	5.9	13.1
19	HBC	18.8	4.5	14.3
21	CSP2	19.1	5.7	13.4
22	CMPR	18.6	5.2	13.4
7	WAX	18.3	10.3	8.0
8	WNCN	18.7	6.0	12.7
9	WRAY	18.5	4.8	13.7
10	WLFL	18.3	6.0	12.3
11	WTVD	18.0	5.2	12.8
12	WUVC	18.5	5.2	13.3
13	WRAZ	18.9	7.5	11.4
23	WGN	18.2	4.1	14.1
24	TRIT	18.2	5.4	12.8
25	USA	19.2	5.9	13.3
26	TNT	19.1	5.2	13.9
27	AE	18.1	5.2	12.9
28	FAM	18.6	4.9	13.7
29	CNN	18.7	5.7	13.0
30	DSC	18.5	6.1	12.4
31	ESPN	17.7	4.9	12.8
32	ESP2	17.1	4.6	12.5
33	LIFE	16.9	3.9	13.0
34	TBS	17.2	3.9	13.3
35	DISH	17.4	3.8	13.6
36	COM	16.8	3.0	13.8
37	CNBC	15.3	3.0	12.3
38	AMC	16.1	2.4	13.7
39	TLC	16.1	2.3	13.8
40	SPK	16.0	3.0	13.0
41	HLN	15.3	2.0	13.3
42	TWC	15.7	2.6	13.1
43	NIC	15.3	2.8	12.5
44	CORT	16.3	3.1	13.2
45	MSNB	16.2	2.9	13.3
46	APL	16.8	3.2	13.6
47	LMN	16.4	3.1	13.3
48	VH1	15.9	2.6	13.3
49	SCFI	15.9	1.7	14.2
50	FXSN	14.8	2.8	12.0
51	GOLF	15.5	2.0	13.5
52	BET	15.4	2.6	12.8



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/26/04 Time: 00:00:52
 Description:

Serial #: 6313666
 File: PUCKETT

Cal Date: 04/11/03
 DOS File: PUCKETT

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
53	MTV	14.3	1.6	12.7
54	TVLD	15.2	1.5	13.7
55	OXYG	14.5	1.0	13.5
56	HIST	15.3	1.6	13.7
57	DISN	14.0	1.3	12.7
58	FOXN	14.4	0.8	13.6
59	CSP1	13.7	0.6	13.1
60	FITT	14.5	2.2	12.3
61	WE	13.4	0.5	12.9
62	E	12.5	-1.1	13.6
63	SOAP	12.4	-1.4	13.8
64	SHOP	12.4	-1.4	13.8
65	OLN	12.0	-0.4	12.4
66	ESPC	12.3	-0.8	13.1
67	TCM	12.8	-0.4	13.2
68	TBN	13.4	-1.0	14.4
69	CMT	12.8	-0.9	13.7
70	NGEO	12.5	-0.5	13.0
71	FX	12.2	-0.1	12.3
72	INSP	13.3	-0.9	14.2
73	HALL	12.3	-1.5	13.8
74	TRAV	12.0	-0.8	12.8
75	TOON	11.4	-1.6	13.0
76	HGTV	12.2	-1.5	13.7
77	FOOD	11.1	-1.3	12.4
116	HIPT	11.0	-1.1	12.1

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 116 Video = 11.0	Pass
Max Delta Video Level	15.0 dB	Ch 2 and 116, Delta = 9.8	Pass
Min Delta V/A	6.5 dB	Ch 7 Delta V/A = 8.0	Pass
Max Delta V/A	17.0 dB	Ch 68 Delta V/A = 14.4	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 36 and 37, Delta = 1.5	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/26/04 Time: 06:00:52
 Description:

Serial #: 6313666
 File: PUCKETT

Cal Date: 04/11/03
 DOS File: PUCKETT

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 35.6 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WRPX	20.7	7.6	13.1
3	WRDC	20.3	5.9	14.4
4	WUNP	19.4	5.9	13.5
5	WRAL	20.0	8.1	11.9
99	TVG	18.5	5.1	13.4
14	NC14	19.5	6.0	13.5
15	HSN	19.7	6.4	13.3
16	QVC	19.7	6.3	13.4
18	EDU	19.2	6.2	13.0
19	HBC	19.1	4.8	14.3
21	CSP2	19.2	5.6	13.6
22	CMPR	18.8	5.4	13.4
7	WAX	18.5	10.4	8.1
8	WNCN	18.7	6.0	12.7
9	WRAY	18.5	4.6	13.9
10	WLFL	18.3	6.1	12.2
11	WTVD	18.1	5.2	12.9
12	WUVC	18.5	5.2	13.3
13	WRAZ	18.9	7.5	11.4
23	WGN	18.2	4.1	14.1
24	TRIT	18.3	5.6	12.7
25	USA	19.3	5.9	13.4
26	TNT	19.1	5.3	13.8
27	AE	17.3	5.0	12.3
28	FAM	18.8	4.9	13.9
29	CNN	18.8	5.8	13.0
30	DSC	18.7	6.2	12.5
31	ESPN	17.8	4.8	13.0
32	ESP2	17.2	4.8	12.4
33	LIFE	18.0	4.0	14.0
34	TBS	16.5	3.6	12.9
35	DISH	17.4	3.9	13.5
36	COM	16.8	3.2	13.6
37	CNBC	16.4	3.1	13.3
38	AMC	16.2	2.4	13.8
39	TLC	16.2	2.5	13.7
40	SPK	15.5	3.0	12.5
41	HLN	15.1	1.9	13.2
42	TWC	15.5	2.5	13.0
43	NIC	16.1	2.9	13.2
44	CORT	16.5	3.0	13.5
45	MSNB	16.3	3.0	13.3
46	APL	16.6	3.2	13.4
47	LMN	16.3	3.0	13.3
48	VH1	16.1	2.6	13.5
49	SCFI	15.9	1.8	14.1
50	FXSN	14.4	2.7	11.7
51	GOLF	15.6	1.9	13.7
52	BET	15.1	2.5	12.6



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/26/04 Time: 06:00:52
 Description:

Serial #: 6313666
 File: PUCKETT

Cal Date: 04/11/03
 DOS File: PUCKETT

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
53	MTV	14.5	1.6	12.9
54	TVLD	15.0	1.5	13.5
55	OXYG	14.8	1.1	13.7
56	HIST	14.5	1.5	13.0
57	DISN	14.1	1.3	12.8
58	FOXN	13.9	0.9	13.0
59	CSP1	14.0	1.0	13.0
60	FITT	14.4	2.2	12.2
61	WE	13.4	0.5	12.9
62	E	12.7	-1.1	13.8
63	SOAP	12.3	-1.4	13.7
64	SHOP	12.6	-1.4	14.0
65	OLN	12.2	-0.4	12.6
66	ESPC	12.4	-0.6	13.0
67	TCM	12.7	-0.4	13.1
68	TBN	13.3	-1.0	14.3
69	CMT	12.8	-0.7	13.5
70	NGEO	12.3	-0.5	12.8
71	FX	12.5	-0.1	12.6
72	INSP	13.3	-1.1	14.4
73	HALL	12.7	-1.5	14.2
74	TRAV	12.2	-0.8	13.0
75	TOON	11.4	-1.6	13.0
76	HGTV	12.3	-1.4	13.7
77	FOOD	11.2	-1.3	12.5
116	HIPT	11.1	-0.9	12.0

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 116 Video = 11.1	Pass
Max Delta Video Level	15.0 dB	Ch 2 and 116, Delta = 9.6	Pass
Min Delta V/A	6.5 dB	Ch 7 Delta V/A = 8.1	Pass
Max Delta V/A	17.0 dB	Ch 3 Delta V/A = 14.4	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 26 and 27, Delta = 1.8	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: Sawmill
 Date of Test: 2-5-04 Time: 11:56
 Tech(s) Performing Test: Paul Sylvestre

Highest Band Pass: 750 MHz
 Test Point Number: 6
 Temperature: 37°
 Date Begun: 2-5-04

Equipment Used	Make/Model	Serial Number	Calibration Date
Spectrum Analyzer	<u>NA</u>	<u>NA</u>	<u>NA</u>
FSM	<u>SDA-5000</u>	<u>3460202</u>	<u>N/A</u>

Test Setup used: A 30 meeter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour. Date/Time: <u>2-5/11:56</u> <u>2-5/17:50</u> <u>2-5/23:55</u> <u>2-6/6:13</u>	Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed). Maximum Video Carrier Level <u>22.0</u> <u>22.0</u> <u>21.9</u> <u>21.9</u> Minimum Video Carrier Level <u>14.2</u> <u>14.0</u> <u>14.1</u> <u>14.4</u> Variation Highest & Lowest Video Levels <u>7.8</u> <u>8.0</u> <u>7.7</u> <u>7.5</u> Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth <u>4.5</u> Was the specification met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> Justification for any variation in this requirement: _____	
3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier. Justification for any variation in this requirement: _____	Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
4. Video carriers are not allowed to vary more then 3 dB from any adjacent channel? Justification for any variation greater than 3 dB: _____	Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop. Justification for any video level less then 3 dBmV: _____	Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
6. During this 24 hour test all video carrier level changes must be less then 8 dB Justification for any variation greater then 8 dB: _____ Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test. Justification for any variation greater then 8 dB: _____	Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/> Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/05/04 Time: 11:56:18
 Description:

Serial #: 3460202
 File: 1SAWMILL

Cal Date: 03/10/03
 DOS File: 1SAWMILL

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 37.9 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	14.2	0.3	13.9
3	WRAL	14.8	-0.4	15.2
5	WRAY	16.0	2.7	13.3
6	WTVD	14.9	1.5	13.4
98	TVG	14.6	-0.1	14.7
14	NC14	15.2	0.9	14.3
15	HSN	14.9	0.6	14.3
16	QVC	15.2	1.1	14.1
18	GOV	14.5	1.3	13.2
19	BET	14.8	1.5	13.3
21	WGN	15.6	2.6	13.0
22	WRPX	16.8	3.3	13.5
7	HBC	16.1	2.3	13.8
8	COMM	15.4	1.2	14.2
9	WUNC	16.3	1.2	15.1
10	WLFL	15.9	3.0	12.9
11	WUVC	15.9	0.8	15.1
12	WRDC	15.7	0.4	15.3
13	WRAZ	15.6	2.4	13.2
24	TRI	16.5	2.7	13.8
25	USA	16.6	3.0	13.6
26	TNT	16.3	1.8	14.5
27	A+E	16.7	2.7	14.0
28	FFAM	17.2	2.7	14.5
29	CNN	16.7	3.6	13.1
30	DISC	16.5	2.4	14.1
31	ESPN	15.2	1.4	13.8
32	ESP2	16.0	2.4	13.6
33	LIFE	15.7	2.8	12.9
34	TBS	14.9	1.6	13.3
35	DISH	15.4	1.5	13.9
36	COM	15.7	2.7	13.0
37	CNBC	15.8	2.1	13.7
38	AMC	15.5	-0.4	15.9
39	TLC	15.9	2.3	13.6
40	SPK	15.9	1.0	14.9
41	HLN	15.6	2.1	13.5
42	TWC	16.5	2.5	14.0
43	NICK	16.5	2.6	13.9
44	CORT	16.4	2.5	13.9
45	MSN	16.3	2.1	14.2
46	APL	16.9	2.8	14.1
47	LMN	17.3	2.7	14.6
48	VH1	16.9	2.5	14.4
49	SIFI	16.7	2.1	14.6
50	FSN	16.3	3.4	12.9
51	GOLF	16.8	2.8	14.0
53	MTV	17.1	3.4	13.7
54	TVLN	16.5	2.5	14.0



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/05/04 Time: 11:56:18
 Description:

Serial #: 3460202
 File: 1SAWMILL

Cal Date: 03/10/03
 DOS File: 1SAWMILL

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55	OXY	16.5	3.0	13.5
56	HIST	16.6	3.3	13.3
57	DISN	16.6	1.0	15.6
58	FOXN	15.7	1.9	13.8
59	CSPN	15.3	2.2	13.1
61	WETV	16.0	2.8	13.2
62	E	16.5	2.1	14.4
63	SOAP	16.8	2.9	13.9
64	SNBC	17.1	2.3	14.8
65	OLN	16.5	3.2	13.3
66	ESPC	16.6	2.5	14.1
67	TCM	16.5	2.2	14.3
68	FITT	17.3	2.6	14.7
69	CMT	16.2	2.0	14.2
70	NGEO	16.1	1.5	14.6
71	FX	16.3	4.1	12.2
72	INSP	15.9	0.9	15.0
73	HLMK	16.4	1.6	14.8
74	TRAV	16.3	2.2	14.1
75	TOON	16.0	2.5	13.5
76	HGTV	16.8	3.0	13.8
77	FOOD	15.8	2.8	13.0
78	UMC	16.9	2.6	14.3
116		22.0	5.1	16.9

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 2 Video = 14.2	Pass
Max Delta Video Level	15.0 dB	Ch 2 and 116, Delta = 7.8	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 12.2	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 16.9	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 30 and 31, Delta = 1.3	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/05/04 Time: 17:50:37
 Description:

Serial #: 3460202
 File: 2SAWMILL

Cal Date: 03/10/03
 DOS File: 2SAWMILL

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 42.1 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	14.0	0.4	13.6
3	WRAL	14.6	-0.4	15.0
5	WRAY	16.0	2.7	13.3
6	WTVD	15.1	1.8	13.3
98	TVG	14.6	-0.1	14.7
14	NC14	15.3	0.7	14.6
15	HSN	14.9	0.8	14.1
16	QVC	15.1	1.0	14.1
18	GOV	15.6	-0.5	16.1
19	BET	14.9	1.8	13.1
21	WGN	15.4	2.5	12.9
22	WRPX	16.4	3.2	13.2
7	HBC	15.9	1.8	14.1
8	COMM	15.3	1.3	14.0
9	WUNC	16.6	0.8	15.8
10	WLFL	15.9	3.0	12.9
11	WUVC	16.0	0.8	15.2
12	WRDC	15.6	0.3	15.3
13	WRAZ	15.4	2.6	12.8
24	TRI	16.1	2.6	13.5
25	USA	16.9	3.3	13.6
26	TNT	16.5	2.0	14.5
27	A+E	16.4	2.5	13.9
28	FFAM	16.8	1.9	14.9
29	CNN	16.6	3.1	13.5
30	DISC	16.1	2.6	13.5
31	ESPN	14.9	1.4	13.5
32	ESP2	15.8	1.9	13.9
33	LIFE	16.1	2.5	13.6
34	TBS	15.1	1.7	13.4
35	DISH	15.4	1.5	13.9
36	COM	16.2	2.3	13.9
37	CNBC	15.9	2.8	13.1
38	AMC	15.7	-0.2	15.9
39	TLC	16.2	1.9	14.3
40	SPK	15.9	1.5	14.4
41	HLN	15.4	2.0	13.4
42	TWC	16.6	2.6	14.0
43	NICK	16.6	2.7	13.9
44	CORT	16.1	2.3	13.8
45	MSN	16.1	1.8	14.3
46	APL	16.6	3.0	13.6
47	LMN	17.0	3.1	13.9
48	VH1	17.0	2.6	14.4
49	SIFI	16.7	2.7	14.0
50	FSN	16.4	3.5	12.9
51	GOLF	17.0	2.9	14.1
53	MTV	16.8	3.6	13.2
54	TVLN	16.4	2.5	13.9



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/05/04 Time: 17:50:37
 Description:

Serial #: 3460202
 File: 2SAWMILL

Cal Date: 03/10/03
 DOS File: 2SAWMILL

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55	OXY	16.5	3.0	13.5
56	HIST	16.8	3.2	13.6
57	DISN	16.5	0.5	16.0
58	FOXN	15.7	2.2	13.5
59	CSPN	15.6	2.4	13.2
61	WETV	16.3	2.8	13.5
62	E	17.0	2.2	14.8
63	SOAP	16.5	3.2	13.3
64	SNBC	17.0	2.3	14.7
65	OLN	16.5	3.4	13.1
66	ESPC	16.9	2.9	14.0
67	TCM	16.8	2.3	14.5
68	FITT	17.4	2.6	14.8
69	CMT	16.0	2.1	13.9
70	NGEO	16.0	1.8	14.2
71	FX	16.4	4.3	12.1
72	INSP	16.0	1.2	14.8
73	HLMK	16.3	1.7	14.6
74	TRAV	16.3	1.9	14.4
75	TOON	15.6	2.5	13.1
76	HGTV	17.2	2.5	14.7
77	FOOD	15.8	3.2	12.6
78	UMC	17.0	3.4	13.6
116		22.0	5.2	16.8

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 2 Video = 14.0	Pass
Max Delta Video Level	15.0 dB	Ch 2 and 116, Delta = 8.0	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 12.1	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 16.8	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 75 and 76, Delta = 1.6	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/05/04 Time: 23:55:59
 Description:

Serial #: 3460202
 File: 3SAWMILL

Cal Date: 03/10/03
 DOS File: 3SAWMILL

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 43.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	14.1	0.0	14.1
3	WRAL	14.8	0.4	14.4
5	WRAY	15.7	2.5	13.2
6	WTVD	15.0	1.9	13.1
98	TVG	14.5	-0.2	14.7
14	NC14	15.1	0.8	14.3
15	HSN	14.9	0.6	14.3
16	QVC	15.2	1.1	14.1
18	GOV	14.6	1.1	13.5
19	BET	14.8	1.3	13.5
21	WGN	16.0	2.4	13.6
22	WRPX	16.6	3.4	13.2
7	HBC	16.0	1.9	14.1
8	COMM	15.4	1.1	14.3
9	WUNC	16.5	1.1	15.4
10	WLFL	15.9	3.5	12.4
11	WUVC	16.2	0.7	15.5
12	WRDC	15.4	0.0	15.4
13	WRAZ	15.4	2.3	13.1
24	TRI	16.3	2.4	13.9
25	USA	16.9	3.3	13.6
26	TNT	16.5	2.1	14.4
27	A+E	16.7	3.3	13.4
28	FFAM	16.8	2.4	14.4
29	CNN	16.6	2.9	13.7
30	DISC	16.2	2.5	13.7
31	ESPN	14.8	1.6	13.2
32	ESP2	15.9	2.2	13.7
33	LIFE	16.4	2.7	13.7
34	TBS	15.1	2.0	13.1
35	DISH	15.4	1.6	13.8
36	COM	15.9	2.3	13.6
37	CNBC	16.0	2.0	14.0
38	AMC	15.5	-0.1	15.6
39	TLC	16.1	2.8	13.3
40	SPK	16.4	1.8	14.6
41	HLN	15.7	2.2	13.5
42	TWC	16.9	2.7	14.2
43	NICK	16.7	3.2	13.5
44	CORT	16.5	3.0	13.5
45	MSN	16.3	2.0	14.3
46	APL	16.8	3.0	13.8
47	LMN	17.0	2.8	14.2
48	VH1	17.0	2.5	14.5
49	SIFI	16.7	2.4	14.3
50	FSN	16.8	3.5	13.3
51	GOLF	17.0	2.9	14.1
53	MTV	17.6	3.7	13.9
54	TVLN	16.4	2.4	14.0



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/05/04 Time: 23:55:59
 Description:

Serial #: 3460202
 File: 3SAWMILL

Cal Date: 03/10/03
 DOS File: 3SAWMILL

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55	OXY	16.7	2.7	14.0
56	HIST	16.8	3.1	13.7
57	DISN	16.7	0.7	16.0
58	FOXN	15.8	1.7	14.1
59	CSPN	15.5	2.3	13.2
61	WETV	16.3	2.8	13.5
62	E	16.5	2.3	14.2
63	SOAP	16.7	3.2	13.5
64	SNBC	17.4	2.4	15.0
65	OLN	16.4	2.9	13.5
66	ESPC	16.6	2.6	14.0
67	TCM	16.5	2.9	13.6
68	FITT	17.3	2.8	14.5
69	CMT	16.3	2.1	14.2
70	NGEO	16.1	1.6	14.5
71	FX	16.9	4.1	12.8
72	INSP	16.0	0.9	15.1
73	HLMK	16.2	1.7	14.5
74	TRAV	16.6	1.9	14.7
75	TOON	15.7	2.7	13.0
76	HGTV	17.1	3.0	14.1
77	FOOD	15.9	2.6	13.3
78	UMC	16.8	2.7	14.1
116		21.8	5.1	16.7

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 2 Video = 14.1	Pass
Max Delta Video Level	15.0 dB	Ch 2 and 116, Delta = 7.7	Pass
Min Delta V/A	6.5 dB	Ch 10 Delta V/A = 12.4	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 16.7	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 30 and 31, Delta = 1.4	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/06/04 Time: 06:13:42
 Description:

Serial #: 3460202
 File: 4SAWMILL

Cal Date: 03/10/03
 DOS File: 4SAWMILL

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 45.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	14.4	0.2	14.2
3	WRAL	14.8	-0.5	15.3
5	WRAY	15.9	2.5	13.4
6	WTVD	15.3	1.9	13.4
98	TVG	14.5	-0.2	14.7
14	NC14	15.2	1.0	14.2
15	HSN	15.1	0.8	14.3
16	QVC	15.4	1.0	14.4
18	GOV	14.7	1.2	13.5
19	BET	14.9	1.9	13.0
21	WGN	15.7	2.5	13.2
22	WRPX	16.9	3.6	13.3
7	HBC	16.1	2.1	14.0
8	COMM	15.4	1.8	13.6
9	WUNC	16.6	1.4	15.2
10	WLFL	16.1	3.3	12.8
11	WUVC	16.4	0.9	15.5
12	WRDC	15.8	0.7	15.1
13	WRAZ	15.6	2.4	13.2
24	TRI	16.4	2.7	13.7
25	USA	16.6	3.1	13.5
26	TNT	16.4	2.0	14.4
27	A+E	16.5	2.9	13.6
28	FFAM	17.0	2.2	14.8
29	CNN	16.7	3.1	13.6
30	DISC	16.6	2.5	14.1
31	ESPN	15.4	1.7	13.7
32	ESP2	16.2	2.0	14.2
33	LIFE	16.3	2.6	13.7
34	TBS	15.4	1.8	13.6
35	DISH	15.5	1.3	14.2
36	COM	16.1	2.6	13.5
37	CNBC	16.2	2.3	13.9
38	AMC	15.6	-0.2	15.8
39	TLC	16.3	2.5	13.8
40	SPK	16.0	1.6	14.4
41	HLN	15.9	2.1	13.8
42	TWC	16.7	2.7	14.0
43	NICK	16.8	3.0	13.8
44	CORT	16.7	2.8	13.9
45	MSN	16.4	2.2	14.2
46	APL	17.0	3.2	13.8
47	LMN	17.3	3.1	14.2
48	VH1	17.2	3.1	14.1
49	SIFI	17.0	2.5	14.5
50	FSN	16.5	3.5	13.0
51	GOLF	17.2	2.9	14.3
53	MTV	17.4	3.7	13.7
54	TVLN	17.0	2.7	14.3



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/06/04 Time: 06:13:42
 Description:

Serial #: 3460202
 File: 4SAWMILL

Cal Date: 03/10/03
 DOS File: 4SAWMILL

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55	OXY	17.0	2.8	14.2
56	HIST	16.9	3.4	13.5
57	DISN	16.9	0.7	16.2
58	FOXN	16.5	2.1	14.4
59	CSPN	15.6	2.6	13.0
61	WETV	16.6	3.1	13.5
62	E	16.6	2.4	14.2
63	SOAP	16.6	3.4	13.2
64	SNBC	17.4	2.3	15.1
65	OLN	16.6	3.0	13.6
66	ESPC	16.6	2.1	14.5
67	TCM	16.7	2.3	14.4
68	FITT	17.6	2.9	14.7
69	CMT	16.4	2.2	14.2
70	NGEO	16.1	1.7	14.4
71	FX	16.7	4.3	12.4
72	INSP	16.2	0.9	15.3
73	HLMK	16.3	2.3	14.0
74	TRAV	16.9	2.2	14.7
75	TOON	15.6	2.4	13.2
76	HGTV	17.1	2.6	14.5
77	FOOD	16.0	3.3	12.7
78	UMC	17.1	2.9	14.2
116		21.9	5.2	16.7

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 2 Video = 14.4	Pass
Max Delta Video Level	15.0 dB	Ch 2 and 116, Delta = 7.5	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 12.4	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 16.7	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 75 and 76, Delta = 1.5	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: Hoover Rd.
 Date of Test: 2-9-04 Time: 12:11
 Tech(s) Performing Test: Dwight Ellis

Highest Band Pass: 750MHz
 Test Point Number: 7
 Temperature: 46°
 Date Begun: 2-9-04

Equipment Used	Make/Model	Serial Number	Calibration Date
Spectrum Analyzer			
FSM	<u>SDA-5000</u>	<u>2381246</u>	<u>N/A</u>

Test Setup used: A 30 meeter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour.		Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Date/Time	<u>2-9/12:11</u> <u>2-9/18:08</u> <u>2-10/10:05</u> <u>2-10/6:59</u>	
2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed).		
Maximum Video Carrier Level	<u>13.8</u> <u>13.9</u> <u>13.8</u> <u>13.9</u>	
Minimum Video Carrier Level	<u>9.1</u> <u>9.1</u> <u>9.3</u> <u>9.5</u>	
Variation Highest & Lowest Video Levels	<u>4.7</u> <u>4.8</u> <u>4.5</u> <u>4.4</u>	
Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth	<u>4.5</u>	Was the specification met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Justification for any variation in this requirement:		
3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier.		
		Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Justification for any variation in this requirement:		
4. Video carriers are not allowed to vary more then 3 dB from any adjacent channel?:		
		Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Justification for any variation greater than 3 dB:		
5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop:		
		Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Justification for any video level less then 3 dBmV:		
6. During this 24 hour test all video carrier level changes must be less then 8 dB		
		Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Justification for any variation greater then 8 dB: _____		
Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test.		
		Was this Specification Met? Yes <input type="checkbox"/> , No <input type="checkbox"/>
Justification for any variation greater then 8 dB: <u>New test point</u>		



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DSELLIS
 Date: 02/09/04 Time: 12:11:41
 Description:

Serial #: 2381246
 File: HOOVER1

Cal Date: 02/02/04
 DOS File: HOOVER1

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 46.9 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	12.1	-3.5	15.6
3	WRAL	10.8	-3.4	14.2
4	COMM	11.5	-2.8	14.3
5	WRAY	10.4	-3.2	13.6
6	WTVD	10.6	-2.5	13.1
98	TVG	11.1	-1.9	13.0
14	NC14	10.8	-2.8	13.6
15	HSN	10.6	-2.8	13.4
16	QVC	11.1	-2.4	13.5
18	GOV	11.9	-1.4	13.3
19	BET	11.6	-2.4	14.0
21	WGN	11.1	-1.9	13.0
22	WRPX	11.2	-2.6	13.8
7	HBC	11.4	-3.6	15.0
8	COMM	12.6	-1.6	14.2
9	WUNC	12.9	-0.7	13.6
10	WLFL	11.8	-3.8	15.6
11	WUVC	12.6	-1.2	13.8
12	WRDC	12.0	-1.0	13.0
13	WRAZ	12.4	-3.2	15.6
24	TRI	11.8	-1.8	13.6
25	USA	12.1	-1.5	13.6
26	TNT	11.9	-2.0	13.9
27	A+E	12.6	-1.1	13.7
28	FFAM	12.7	-1.5	14.2
29	CNN	13.2	-0.4	13.6
30	DISC	12.6	-0.3	12.9
31	ESPN	12.6	-0.6	13.2
32	ESP2	13.0	-0.2	13.2
33	LIFE	13.8	0.3	13.5
34	TBS	12.2	-1.4	13.6
35	DISH	12.6	-1.6	14.2
36	COM	12.1	-1.6	13.7
37	CNBC	11.4	-2.2	13.6
38	AMC	11.0	-4.8	15.8
39	TLC	11.2	-2.8	14.0
40	SPK	11.2	-2.9	14.1
41	HLN	11.0	-2.5	13.5
42	TWC	11.8	-1.7	13.5
43	NICK	11.1	-2.6	13.7
44	CORT	10.3	-3.0	13.3
45	MSN	10.4	-3.7	14.1
46	APL	10.6	-2.9	13.5
47	LMN	10.5	-2.9	13.4
48	VH1	10.6	-3.0	13.6
49	SIFI	11.0	-3.6	14.6
50	FSN	11.0	-1.7	12.7
51	GOLF	10.8	-3.0	13.8
53	MTV	10.1	-3.6	13.7



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DSELLIS
 Date: 02/09/04 Time: 12:11:41
 Description:

Serial #: 2381246
 File: HOOVER1

Cal Date: 02/02/04
 DOS File: HOOVER1

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	9.4	-4.0	13.4
55	OXY	10.2	-2.7	12.9
56	HIST	10.8	-2.3	13.1
57	DISN	10.2	-5.4	15.6
58	FOXN	10.1	-3.4	13.5
60	CSPA	9.1	-4.7	13.8
61	WETV	10.0	-3.2	13.2
62	E	10.0	-4.1	14.1
63	SOAP	9.7	-3.7	13.4
64	SNBC	10.1	-3.6	13.7
65	OLN	10.4	-2.7	13.1
66	ESPC	10.1	-3.4	13.5
67	TCM	10.8	-2.9	13.7
68	FITT	11.6	-1.9	13.5
69	CMT	11.2	-2.3	13.5
70	NGEO	11.1	-2.6	13.7
71	FX	12.3	-0.5	12.8
72	INSP	11.1	-2.2	13.3
73	HLMK	11.7	-2.1	13.8
74	TRAV	11.8	-1.6	13.4
75	TOON	11.5	-2.0	13.5
76	HGTV	11.8	-1.6	13.4
77	FOOD	10.4	-2.1	12.5
78	UMC	11.6	-1.7	13.3
116		12.8	-3.4	16.2

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 60 Video = 9.1	Pass
Max Delta Video Level	15.0 dB	Ch 33 and 60, Delta = 4.7	Pass
Min Delta V/A	6.5 dB	Ch 77 Delta V/A = 12.5	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 16.2	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 33 and 34, Delta = 1.6	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DSELLIS
 Date: 02/09/04 Time: 18:08:47
 Description:

Serial #: 2381246
 File: HOOVER2

Cal Date: 02/02/04
 DOS File: HOOVER2

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 41.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	12.1	-3.5	15.6
3	WRAL	11.0	-3.2	14.2
4	COMM	11.6	-2.8	14.4
5	WRAY	10.6	-3.0	13.6
6	WTVD	10.9	-2.4	13.3
98	TVG	11.3	-1.7	13.0
14	NC14	10.9	-2.7	13.6
15	HSN	10.9	-2.7	13.6
16	QVC	11.3	-2.2	13.5
18	GOV	11.5	-1.4	12.9
19	BET	11.8	-2.2	14.0
21	WGN	11.2	-1.8	13.0
22	WRPX	11.1	-2.6	13.7
7	HBC	11.6	-3.6	15.2
8	COMM	12.3	-1.8	14.1
9	WUNC	13.0	-0.5	13.5
10	WFLA	12.3	-3.4	15.7
11	WUVC	12.9	-0.9	13.8
12	WRDC	12.1	-0.9	13.0
13	WRAZ	12.9	-2.8	15.7
24	TRI	12.0	-1.5	13.5
25	USA	12.6	-1.2	13.8
26	TNT	12.4	-1.7	14.1
27	A+E	12.9	-1.2	14.1
28	FFAM	12.9	-1.3	14.2
29	CNN	13.6	-0.1	13.7
30	DISC	12.8	-0.3	13.1
31	ESPN	13.0	-0.4	13.4
32	ESP2	13.3	0.2	13.1
33	LIFE	13.9	0.1	13.8
34	TBS	12.6	-0.9	13.5
35	DISH	12.8	-1.3	14.1
36	COM	12.4	-1.5	13.9
37	CNBC	12.0	-2.0	14.0
38	AMC	11.4	-4.5	15.9
39	TLC	11.5	-2.9	14.4
40	SPK	11.2	-3.5	14.7
41	HLN	11.1	-2.5	13.6
42	TWC	12.0	-1.6	13.6
43	NICK	11.0	-2.6	13.6
44	CORT	10.7	-2.8	13.5
45	MSN	10.9	-3.4	14.3
46	APL	11.2	-2.5	13.7
47	LMN	10.9	-2.6	13.5
48	VH1	10.7	-2.8	13.5
49	SIFI	11.2	-3.3	14.5
50	FSN	11.0	-1.7	12.7
51	GOLF	11.1	-3.1	14.2
53	MTV	10.6	-2.6	13.2



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DSELLIS
 Date: 02/09/04 Time: 18:08:47
 Description:

Serial #: 2381246
 File: HOOVER2

Cal Date: 02/02/04
 DOS File: HOOVER2

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	10.3	-3.3	13.6
55	OXY	10.9	-2.3	13.2
56	HIST	11.0	-2.0	13.0
57	DISN	11.0	-4.6	15.6
58	FOXN	10.3	-3.1	13.4
60	CSPA	9.1	-4.3	13.4
61	WETV	10.2	-2.8	13.0
62	E	10.3	-3.9	14.2
63	SOAP	10.2	-3.3	13.5
64	SNBC	10.2	-3.7	13.9
65	OLN	10.6	-2.6	13.2
66	ESPC	10.4	-3.1	13.5
67	TCM	10.7	-2.8	13.5
68	FITT	11.6	-1.8	13.4
69	CMT	11.3	-2.2	13.5
70	NGEO	11.4	-2.4	13.8
71	FX	12.3	-0.3	12.6
72	INSP	11.3	-2.1	13.4
73	HLMK	11.7	-2.0	13.7
74	TRAV	12.1	-1.4	13.5
75	TOON	11.8	-1.7	13.5
76	HGTV	12.2	-1.6	13.8
77	FOOD	10.6	-2.0	12.6
78	UMC	11.6	-1.8	13.4
116		12.4	-3.6	16.0

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 60 Video = 9.1	Pass
Max Delta Video Level	15.0 dB	Ch 33 and 60, Delta = 4.8	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 12.6	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 16.0	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 76 and 77, Delta = 1.6	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DSELLIS
 Date: 02/10/04 Time: 00:05:33
 Description:

Serial #: 2381246
 File: HOOVER3

Cal Date: 02/02/04
 DOS File: HOOVER3

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 37.9 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	12.2	-3.3	15.5
3	WRAL	11.1	-3.2	14.3
4	COMM	11.5	-2.5	14.0
5	WRAY	10.5	-3.2	13.7
6	WTVD	10.8	-2.4	13.2
98	TVG	11.2	-1.7	12.9
14	NC14	10.9	-2.7	13.6
15	HSN	10.6	-2.9	13.5
16	QVC	11.0	-2.3	13.3
18	GOV	11.4	-1.5	12.9
19	BET	11.6	-2.3	13.9
21	WGN	11.1	-1.8	12.9
22	WRPX	11.2	-2.7	13.9
7	HBC	11.5	-3.5	15.0
8	COMM	12.1	-1.7	13.8
9	WUNC	13.0	-0.4	13.4
10	WLFL	12.2	-3.3	15.5
11	WUVC	13.0	-0.9	13.9
12	WRDC	12.0	-1.1	13.1
13	WRAZ	12.8	-3.0	15.8
24	TRI	11.9	-1.8	13.7
25	USA	12.1	-1.3	13.4
26	TNT	12.1	-1.8	13.9
27	A+E	12.7	-1.4	14.1
28	FFAM	12.9	-1.5	14.4
29	CNN	13.6	-0.2	13.8
30	DISC	12.4	-0.4	12.8
31	ESPN	12.4	-0.7	13.1
32	ESP2	13.5	-0.1	13.6
33	LIFE	13.8	0.2	13.6
34	TBS	12.6	-1.1	13.7
35	DISH	12.8	-1.4	14.2
36	COM	12.6	-1.5	14.1
37	CNBC	11.8	-2.0	13.8
38	AMC	11.4	-4.4	15.8
39	TLC	11.4	-2.8	14.2
40	SPK	11.0	-3.4	14.4
41	HLN	11.1	-2.5	13.6
42	TWC	11.9	-1.6	13.5
43	NICK	10.9	-2.6	13.5
44	CORT	10.7	-2.8	13.5
45	MSN	10.7	-3.5	14.2
46	APL	10.9	-2.5	13.4
47	LMN	10.8	-2.9	13.7
48	VH1	10.3	-2.9	13.2
49	SIFI	11.0	-3.5	14.5
50	FSN	10.8	-1.8	12.6
51	GOLF	10.7	-3.5	14.2
53	MTV	10.4	-3.0	13.4



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DSELLIS
 Date: 02/10/04 Time: 00:05:33
 Description:

Serial #: 2381246
 File: HOOVER3

Cal Date: 02/02/04
 DOS File: HOOVER3

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	10.1	-3.3	13.4
55	OXY	10.5	-2.4	12.9
56	HIST	10.9	-2.3	13.2
57	DISN	10.6	-4.8	15.4
58	FOXN	10.2	-3.2	13.4
60	CSPA	9.3	-4.3	13.6
61	WETV	10.1	-2.8	12.9
62	E	10.2	-3.9	14.1
63	SOAP	9.8	-3.3	13.1
64	SNBC	10.1	-3.5	13.6
65	OLN	10.5	-2.6	13.1
66	ESPC	10.2	-3.0	13.2
67	TCM	10.6	-3.0	13.6
68	FITT	11.4	-1.9	13.3
69	CMT	11.3	-2.3	13.6
70	NGEO	11.3	-2.4	13.7
71	FX	12.3	-0.3	12.6
72	INSP	11.2	-2.2	13.4
73	HLMK	11.7	-2.0	13.7
74	TRAV	12.0	-1.4	13.4
75	TOON	11.7	-1.8	13.5
76	HGTV	11.9	-1.6	13.5
77	FOOD	10.5	-2.2	12.7
78	UMC	11.6	-1.8	13.4
116		12.5	-3.7	16.2

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 60 Video = 9.3	Pass
Max Delta Video Level	15.0 dB	Ch 33 and 60, Delta = 4.5	Pass
Min Delta V/A	6.5 dB	Ch 50 Delta V/A = 12.6	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 16.2	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 76 and 77, Delta = 1.4	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DSELLIS
 Date: 02/10/04 Time: 06:09:59
 Description:

Serial #: 2381246
 File: HOOVER4

Cal Date: 02/02/04
 DOS File: HOOVER4

Location: ?	AmpID:	Reverse Pad: 0.0
Location Type: Undefined	Power Cfg: IN	Forward Pad: 0.0
Area:	Feeder Maker Cfg: 1	Rev Equalizer: 0.0
Test Pnt Type: None	Trunk Term: NO	Fwd Equalizer: 0.0
Test Pnt Comp: 0.0	Voltage Setting: LOW	Temp: 39.9 F
AC Voltage: 0	DC Voltage (reg): 0.0	DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	12.1	-3.4	15.5
3	WRAL	11.1	-3.2	14.3
4	COMM	11.5	-2.4	13.9
5	WRAY	10.4	-3.2	13.6
6	WTVD	10.9	-2.4	13.3
98	TVG	11.2	-1.7	12.9
14	NC14	10.9	-2.8	13.7
15	HSN	10.8	-2.8	13.6
16	QVC	11.1	-2.3	13.4
18	GOV	11.4	-1.7	13.1
19	BET	11.5	-2.1	13.6
21	WGN	11.0	-1.9	12.9
22	WRPX	11.0	-2.7	13.7
7	HBC	11.3	-3.5	14.8
8	COMM	12.0	-1.9	13.9
9	WUNC	12.9	-0.4	13.3
10	WLFL	12.1	-3.4	15.5
11	WUVC	12.8	-1.0	13.8
12	WRDC	12.1	-1.1	13.2
13	WRAZ	12.8	-3.0	15.8
24	TRI	11.9	-2.0	13.9
25	USA	12.1	-1.3	13.4
26	TNT	12.1	-1.9	14.0
27	A+E	12.7	-1.4	14.1
28	FFAM	12.8	-1.4	14.2
29	CNN	13.5	-0.2	13.7
30	DISC	12.4	-0.4	12.8
31	ESPN	12.3	-0.7	13.0
32	ESP2	13.4	-0.2	13.6
33	LIFE	13.9	0.2	13.7
34	TBS	12.8	-0.8	13.6
35	DISH	13.0	-1.1	14.1
36	COM	12.7	-1.3	14.0
37	CNBC	11.7	-1.9	13.6
38	AMC	11.4	-4.3	15.7
39	TLC	11.5	-2.7	14.2
40	SPK	11.3	-3.2	14.5
41	HLN	11.1	-2.4	13.5
42	TWC	12.0	-1.5	13.5
43	NICK	11.1	-2.4	13.5
44	CORT	10.9	-2.5	13.4
45	MSN	10.9	-3.4	14.3
46	APL	11.0	-2.5	13.5
47	LMN	10.7	-2.7	13.4
48	VH1	10.5	-2.7	13.2
49	SIFI	11.2	-3.3	14.5
50	FSN	11.0	-1.7	12.7
51	GOLF	10.9	-3.1	14.0
53	MTV	10.6	-2.6	13.2



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: DSELLIS
 Date: 02/10/04 Time: 06:09:59
 Description:

Serial #: 2381246
 File: HOOVER4

Cal Date: 02/02/04
 DOS File: HOOVER4

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	10.2	-3.5	13.7
55	OXY	10.7	-2.2	12.9
56	HIST	11.1	-1.9	13.0
57	DISN	11.0	-4.7	15.7
58	FOXN	10.3	-2.9	13.2
60	CSPA	9.5	-4.2	13.7
61	WETV	10.4	-2.7	13.1
62	E	10.4	-3.5	13.9
63	SOAP	10.1	-3.2	13.3
64	SNBC	10.3	-3.3	13.6
65	OLN	10.5	-2.7	13.2
66	ESPC	10.2	-3.1	13.3
67	TCM	10.6	-3.0	13.6
68	FITT	11.6	-1.9	13.5
69	CMT	11.2	-2.2	13.4
70	NGEO	11.3	-2.4	13.7
71	FX	12.3	-0.3	12.6
72	INSP	11.3	-2.2	13.5
73	HLMK	11.7	-2.0	13.7
74	TRAV	12.1	-1.4	13.5
75	TOON	11.8	-1.8	13.6
76	HGTV	11.9	-1.6	13.5
77	FOOD	10.7	-2.1	12.8
78	UMC	11.6	-1.8	13.4
116		12.5	-3.7	16.2

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 60 Video = 9.5	Pass
Max Delta Video Level	15.0 dB	Ch 33 and 60, Delta = 4.4	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 12.6	Pass
Max Delta V/A	17.0 dB	Ch 116 Delta V/A = 16.2	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 76 and 77, Delta = 1.2	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: Lavender
 Date of Test: 2-8-04 Time: 12:03
 Tech(s) Performing Test: Hendo Sulyans

Highest Band Pass: 750MHz
 Test Point Number: 8
 Temperature: 45°
 Date Begun: 2-8-04

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer	<u>NA</u>	<u>NA</u>	<u>NA</u>
FSM	<u>SDA-5000</u>	<u>3460202</u>	<u>N/A</u>

Test Setup used: A 30 meeter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour.				
Date/Time	<u>2-8/12:03</u>	<u>2-8/12:31</u>	<u>2-8/13:31</u>	Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed).				
Maximum Video Carrier Level	<u>15.9</u>	<u>16.0</u>	<u>16.5</u>	<u>16.7</u>
Minimum Video Carrier Level	<u>9.9</u>	<u>10.9</u>	<u>10.3</u>	<u>10.5</u>
Variation Highest & Lowest Video Levels	<u>6.0</u>	<u>5.1</u>	<u>6.2</u>	<u>6.2</u>
Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth	<u>14.5</u>	Was the specification met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>		
Justification for any variation in this requirement:				
3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier.				
Justification for any variation in this requirement:				
4. Video carriers are not allowed to very more then 3 dB from any adjacent channel?:				
Justification for any variation greater than 3 dB:				
5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop:				
Justification for any video level less then 3 dBmV:				
6. During this 24 hour test all video carrier level changes must be less then 8 dB				
Justification for any variation greater then 8 dB: _____				
Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test.				
Justification for any variation greater then 8 dB: <u>New test point</u>				



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/08/04 Time: 12:03:06
 Description:

Serial #: 3460202
 File: LAVENDER1

Cal Date: 03/10/03
 DOS File: LAVENDER1

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmplID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 45.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	14.0	-2.1	16.1
3	WRAL	11.8	-2.5	14.3
4	COMM	12.3	-0.6	12.9
5	WRAY	12.8	-1.8	14.6
6	WTVD	13.0	0.2	12.8
98	TVG	14.5	0.1	14.4
14	NC14	13.8	-0.2	14.0
15	HSN	14.1	0.1	14.0
16	QVC	14.5	-0.5	15.0
18	GOV	13.0	-0.7	13.7
19	BET	13.6	-0.3	13.9
21	WGN	13.8	-0.1	13.9
22	WRPX	13.9	0.1	13.8
7	HBC	14.1	-1.1	15.2
8	COMM	14.4	0.4	14.0
9	WUNC	13.9	0.9	13.0
10	WFL	13.7	-2.5	16.2
11	WUVC	14.1	-0.2	14.3
12	WRDC	13.5	0.8	12.7
13	WRAZ	14.8	-1.7	16.5
24	TRI	14.3	0.9	13.4
25	USA	14.6	0.8	13.8
26	TNT	14.2	0.3	13.9
27	A+E	15.9	0.9	15.0
28	FFAM	15.3	0.6	14.7
29	CNN	15.6	2.0	13.6
30	DISC	15.8	1.4	14.4
31	ESPN	14.8	1.3	13.5
32	ESP2	15.9	1.0	14.9
33	LIFE	14.2	1.2	13.0
34	TBS	13.1	-0.6	13.7
35	DISH	12.9	-0.9	13.8
36	COM	14.2	0.6	13.6
37	CNBC	13.9	-0.2	14.1
38	AMC	11.8	-3.3	15.1
39	TLC	13.7	-1.0	14.7
40	SPK	13.9	-1.3	15.2
41	HLN	13.1	0.1	13.0
42	TWC	13.5	-1.0	14.5
43	NICK	13.3	-0.5	13.8
44	CORT	13.3	0.2	13.1
45	MSN	14.0	-1.1	15.1
46	APL	13.2	-0.5	13.7
47	LMN	13.4	-0.4	13.8
48	VH1	13.5	-0.4	13.9
49	SIFI	13.3	-1.5	14.8
50	FSN	13.5	0.5	13.0
51	GOLF	13.6	0.2	13.4
53	MTV	15.0	1.1	13.9



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
Operator: MIKE-FINCH
Date: 02/08/04 Time: 12:03:06
Description:

Serial #: 3460202
File: LAVENDER1

Cal Date: 03/10/03
DOS File: LAVENDER1

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	13.7	0.9	12.8
55	OXY	14.5	0.5	14.0
56	HIST	14.3	1.1	13.2
57	DISN	14.7	-0.7	15.4
58	FOXN	14.3	-0.1	14.4
60	CSPA	13.0	-1.1	14.1
61	WETV	13.2	-0.5	13.7
62	E	14.3	-0.4	14.7
63	SOAP	13.2	-0.7	13.9
64	SNBC	13.4	-1.0	14.4
65	OLN	13.2	-0.7	13.9
66	ESPC	12.6	-1.8	14.4
67	TCM	12.3	-2.4	14.7
68	FITT	11.8	-2.9	14.7
69	CMT	11.7	-2.2	13.9
70	NGEO	11.5	-3.8	15.3
71	FX	11.5	-0.7	12.2
72	INSP	10.6	-3.0	13.6
73	HLMK	10.1	-3.6	13.7
74	TRAV	10.7	-2.5	13.2
75	TOON	10.4	-4.0	14.4
76	HGTV	10.5	-3.7	14.2
77	FOOD	9.9	-3.6	13.5
78	UMC	10.2	-3.2	13.4
116		12.1	-4.1	16.2

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 77 Video = 9.9	Pass
Max Delta Video Level	15.0 dB	Ch 27 and 77, Delta = 6.0	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 12.2	Pass
Max Delta V/A	17.0 dB	Ch 13 Delta V/A = 16.5	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 2 and 3, Delta = 2.2	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/08/04 Time: 17:31:57
 Description:

Serial #: 3460202
 File: LAVENDER2

Cal Date: 03/10/03
 DOS File: LAVENDER2

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 39.9 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	12.8	-3.4	16.2
3	WRAL	10.9	-3.7	14.6
4	COMM	11.3	-1.8	13.1
5	WRAY	11.7	-2.7	14.4
6	WTVD	11.7	-0.5	12.2
98	TVG	13.4	-1.1	14.5
14	NC14	13.1	-1.0	14.1
15	HSN	13.1	-0.2	13.3
16	QVC	13.9	-0.3	14.2
18	GOV	12.0	-2.5	14.5
19	BET	12.3	-0.9	13.2
21	WGN	13.1	-1.1	14.2
22	WRPX	13.1	-0.6	13.7
7	HBC	13.5	-1.5	15.0
8	COMM	13.5	-0.4	13.9
9	WUNC	13.2	0.6	12.6
10	WLFL	13.4	-2.3	15.7
11	WUVC	13.5	-0.6	14.1
12	WRDC	13.0	0.4	12.6
13	WRAZ	14.5	-1.9	16.4
24	TRI	13.8	0.5	13.3
25	USA	14.5	0.7	13.8
26	TNT	14.2	0.3	13.9
27	A+E	15.8	0.5	15.3
28	FFAM	15.0	1.1	13.9
29	CNN	15.5	2.0	13.5
30	DISC	15.7	1.0	14.7
31	ESPN	14.3	1.5	12.8
32	ESP2	16.0	1.4	14.6
33	LIFE	14.4	1.1	13.3
34	TBS	13.2	0.0	13.2
35	DISH	13.5	-1.0	14.5
36	COM	14.2	0.4	13.8
37	CNBC	13.4	-0.2	13.6
38	AMC	11.9	-2.8	14.7
39	TLC	14.1	-0.4	14.5
40	SPK	14.3	-0.7	15.0
41	HLN	13.4	0.7	12.7
42	TWC	14.1	-1.0	15.1
43	NICK	13.7	-0.3	14.0
44	CORT	13.3	0.1	13.2
45	MSN	14.2	-0.8	15.0
46	APL	13.5	-0.5	14.0
47	LMN	13.7	-0.1	13.8
48	VH1	14.1	0.2	13.9
49	SIFI	13.7	-0.9	14.6
50	FSN	13.9	0.8	13.1
51	GOLF	14.3	0.2	14.1
53	MTV	15.2	1.6	13.6



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/08/04 Time: 17:31:57
 Description:

Serial #: 3460202
 File: LAVENDER2

Cal Date: 03/10/03
 DOS File: LAVENDER2

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	14.3	1.1	13.2
55	OXY	14.8	1.1	13.7
56	HIST	14.3	1.8	12.5
57	DISN	15.1	0.2	14.9
58	FOXN	14.0	0.4	13.6
60	CSPA	13.7	-0.7	14.4
61	WETV	13.6	0.8	12.8
62	E	14.1	0.4	13.7
63	SOAP	13.8	-0.1	13.9
64	SNBC	13.8	0.0	13.8
65	OLN	13.9	0.3	13.6
66	ESPC	13.0	-1.1	14.1
67	TCM	12.7	-1.7	14.4
68	FITT	12.0	-1.8	13.8
69	CMT	12.7	-1.4	14.1
70	NGEO	12.2	-2.9	15.1
71	FX	12.1	-0.3	12.4
72	INSP	12.0	-2.0	14.0
73	HLMK	11.1	-3.0	14.1
74	TRAV	11.3	-1.8	13.1
75	TOON	11.6	-3.2	14.8
76	HGTV	11.2	-3.0	14.2
77	FOOD	11.1	-2.5	13.6
78	UMC	11.1	-2.9	14.0
116		12.4	-3.8	16.2

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 10.9	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 32, Delta = 5.1	Pass
Min Delta V/A	6.5 dB	Ch 6 Delta V/A = 12.2	Pass
Max Delta V/A	17.0 dB	Ch 13 Delta V/A = 16.4	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 38 and 39, Delta = 2.2	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/08/04 Time: 23:31:35
 Description:

Serial #: 3460202
 File: LAVENDER3

Cal Date: 03/10/03
 DOS File: LAVENDER3

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 30.9 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	12.5	-3.5	16.0
3	WRAL	10.3	-4.5	14.8
4	COMM	11.2	-1.9	13.1
5	WRAY	11.9	-2.7	14.6
6	WTVD	11.8	-1.0	12.8
98	TVG	13.3	-1.2	14.5
14	NC14	13.0	-1.0	14.0
15	HSN	13.2	-0.5	13.7
16	QVC	13.9	-0.2	14.1
18	GOV	12.4	-1.5	13.9
19	BET	13.3	-0.7	14.0
21	WGN	13.3	-1.1	14.4
22	WRPX	13.0	-0.4	13.4
7	HBC	13.5	-2.0	15.5
8	COMM	13.4	-0.5	13.9
9	WUNC	13.0	0.5	12.5
10	WLFL	13.5	-2.7	16.2
11	WUVC	13.5	-0.6	14.1
12	WRDC	13.2	0.5	12.7
13	WRAZ	14.8	-1.4	16.2
24	TRI	14.2	0.9	13.3
25	USA	14.8	0.8	14.0
26	TNT	14.6	0.3	14.3
27	A+E	15.6	0.6	15.0
28	FFAM	15.6	1.2	14.4
29	CNN	15.5	2.6	12.9
30	DISC	15.8	1.4	14.4
31	ESPN	14.8	1.5	13.3
32	ESP2	16.5	1.4	15.1
33	LIFE	14.6	1.2	13.4
34	TBS	13.6	-0.3	13.9
35	DISH	13.8	-0.6	14.4
36	COM	14.4	0.9	13.5
37	CNBC	14.0	0.2	13.8
38	AMC	12.9	-2.5	15.4
39	TLC	14.8	-0.6	15.4
40	SPK	14.3	-0.5	14.8
41	HLN	13.9	0.7	13.2
42	TWC	14.4	-0.5	14.9
43	NICK	14.2	0.5	13.7
44	CORT	13.9	0.6	13.3
45	MSN	14.7	0.1	14.6
46	APL	13.6	0.5	13.1
47	LMN	14.3	0.4	13.9
48	VH1	15.1	0.4	14.7
49	SIFI	14.2	-0.2	14.4
50	FSN	14.4	1.3	13.1
51	GOLF	14.8	0.9	13.9
53	MTV	15.9	2.3	13.6



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/08/04 Time: 23:31:35
 Description:

Serial #: 3460202
 File: LAVENDER3

Cal Date: 03/10/03
 DOS File: LAVENDER3

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	14.5	1.7	12.8
55	OXY	15.6	1.9	13.7
56	HIST	15.5	2.5	13.0
57	DISN	15.7	0.3	15.4
58	FOXN	15.2	1.0	14.2
60	CSPA	14.3	-0.6	14.9
61	WETV	14.4	1.0	13.4
62	E	14.6	0.8	13.8
63	SOAP	14.4	0.6	13.8
64	SNBC	14.6	0.5	14.1
65	OLN	14.8	1.0	13.8
66	ESPC	13.9	-0.5	14.4
67	TCM	13.4	-0.7	14.1
68	FITT	13.0	-1.0	14.0
69	CMT	13.8	-0.7	14.5
70	NGEO	12.8	-2.1	14.9
71	FX	13.1	0.5	12.6
72	INSP	12.4	-1.8	14.2
73	HLMK	12.2	-2.3	14.5
74	TRAV	12.3	-1.0	13.3
75	TOON	12.2	-2.5	14.7
76	HGTV	12.3	-2.3	14.6
77	FOOD	11.7	-1.9	13.6
78	UMC	12.1	-2.2	14.3
116		13.3	-2.9	16.2

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 10.3	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 32, Delta = 6.2	Pass
Min Delta V/A	6.5 dB	Ch 9 Delta V/A = 12.5	Pass
Max Delta V/A	17.0 dB	Ch 10 Delta V/A = 16.2	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 2 and 3, Delta = 2.2	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/09/04 Time: 06:08:38
 Description:

Serial #: 3460202
 File: LAVENDER4

Cal Date: 03/10/03
 DOS File: LAVENDER4

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 33.1 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	12.8	-3.5	16.3
3	WRAL	10.5	-3.7	14.2
4	COMM	11.3	-1.9	13.2
5	WRAY	11.8	-2.9	14.7
6	WTVD	11.8	-1.1	12.9
98	TVG	13.8	-0.1	13.9
14	NC14	13.3	-1.1	14.4
15	HSN	13.4	-0.6	14.0
16	QVC	14.2	-0.3	14.5
18	GOV	12.5	-1.5	14.0
19	BET	13.2	-0.9	14.1
21	WGN	13.5	-1.0	14.5
22	WRPX	13.4	-0.5	13.9
7	HBC	13.9	-0.6	14.5
8	COMM	13.6	-0.4	14.0
9	WUNC	13.5	0.6	12.9
10	WLFL	13.8	-2.8	16.6
11	WUVC	13.6	-0.4	14.0
12	WRDC	13.5	0.3	13.2
13	WRAZ	14.7	-1.6	16.3
24	TRI	14.0	0.9	13.1
25	USA	14.9	1.3	13.6
26	TNT	15.1	0.8	14.3
27	A+E	16.1	1.1	15.0
28	FFAM	15.5	1.4	14.1
29	CNN	16.2	2.6	13.6
30	DISC	16.4	2.0	14.4
31	ESPN	15.3	2.3	13.0
32	ESP2	16.7	1.5	15.2
33	LIFE	15.5	2.5	13.0
34	TBS	14.6	1.2	13.4
35	DISH	14.1	0.3	13.8
36	COM	15.1	1.2	13.9
37	CNBC	14.8	0.6	14.2
38	AMC	13.6	-1.8	15.4
39	TLC	15.1	0.4	14.7
40	SPK	15.1	-0.2	15.3
41	HLN	13.7	1.3	12.4
42	TWC	15.1	0.0	15.1
43	NICK	14.7	0.4	14.3
44	CORT	14.2	1.5	12.7
45	MSN	14.9	-0.1	15.0
46	APL	14.4	0.1	14.3
47	LMN	14.6	0.5	14.1
48	VH1	15.3	0.8	14.5
49	SIFI	14.5	-0.1	14.6
50	FSN	14.6	1.3	13.3
51	GOLF	14.8	0.6	14.2
53	MTV	16.1	2.1	14.0



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/09/04 Time: 06:08:38
 Description:

Serial #: 3460202
 File: LAVENDER4

Cal Date: 03/10/03
 DOS File: LAVENDER4

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	14.5	1.2	13.3
55	OXY	15.5	2.1	13.4
56	HIST	15.2	2.3	12.9
57	DISN	15.8	0.3	15.5
58	FOXN	15.3	0.8	14.5
60	CSPA	14.4	-0.5	14.9
61	WETV	14.3	1.4	12.9
62	E	14.7	0.9	13.8
63	SOAP	15.2	0.5	14.7
64	SNBC	14.5	0.6	13.9
65	OLN	14.7	1.3	13.4
66	ESPC	14.3	-0.4	14.7
67	TCM	13.7	-0.7	14.4
68	FITT	13.4	-0.7	14.1
69	CMT	13.7	-0.3	14.0
70	NGEO	12.8	-1.5	14.3
71	FX	13.7	0.9	12.8
72	INSP	13.2	-1.0	14.2
73	HLMK	12.6	-1.0	13.6
74	TRAV	12.8	-0.7	13.5
75	TOON	13.1	-1.6	14.7
76	HGTV	12.9	-1.3	14.2
77	FOOD	12.2	-1.2	13.4
78	UMC	12.7	-1.8	14.5
116		13.4	-2.7	16.1

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 10.5	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 32, Delta = 6.2	Pass
Min Delta V/A	6.5 dB	Ch 41 Delta V/A = 12.4	Pass
Max Delta V/A	17.0 dB	Ch 10 Delta V/A = 16.6	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 2 and 3, Delta = 2.3	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: Cameron Dr.
 Date of Test: 2-14-04, Time: 12:09
 Tech(s) Performing Test: John Schmitt

Highest Band Pass: 750MHz
 Test Point Number: 9
 Temperature: 50°
 Date Begun: 2-14-04

Equipment Used	Make/Model	Serial Number	Calibration Date
Spectrum Analyzer FSM	<u>SDA-5000</u>	<u>8383877</u>	<u>N/A</u>

Test Setup used: A 30 meeter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour.	Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>															
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Date/Time</td> <td style="width: 25%;"><u>2-14/12:09</u></td> <td style="width: 25%;"><u>2-14/18:05</u></td> <td style="width: 25%;"><u>2-15/00:04</u></td> <td style="width: 25%;"><u>2-15/16:10</u></td> </tr> </table>	Date/Time	<u>2-14/12:09</u>	<u>2-14/18:05</u>	<u>2-15/00:04</u>	<u>2-15/16:10</u>											
Date/Time	<u>2-14/12:09</u>	<u>2-14/18:05</u>	<u>2-15/00:04</u>	<u>2-15/16:10</u>												
2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed).																
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Maximum Video Carrier Level</td> <td style="width: 15%;"><u>13.9</u></td> <td style="width: 15%;"><u>13.9</u></td> <td style="width: 15%;"><u>14.3</u></td> <td style="width: 15%;"><u>14.5</u></td> </tr> <tr> <td>Minimum Video Carrier Level</td> <td><u>10.3</u></td> <td><u>10.0</u></td> <td><u>10.2</u></td> <td><u>10.4</u></td> </tr> <tr> <td>Variation Highest & Lowest Video Levels</td> <td><u>3.6</u></td> <td><u>3.9</u></td> <td><u>4.1</u></td> <td><u>4.1</u></td> </tr> </table>		Maximum Video Carrier Level	<u>13.9</u>	<u>13.9</u>	<u>14.3</u>	<u>14.5</u>	Minimum Video Carrier Level	<u>10.3</u>	<u>10.0</u>	<u>10.2</u>	<u>10.4</u>	Variation Highest & Lowest Video Levels	<u>3.6</u>	<u>3.9</u>	<u>4.1</u>	<u>4.1</u>
Maximum Video Carrier Level	<u>13.9</u>	<u>13.9</u>	<u>14.3</u>	<u>14.5</u>												
Minimum Video Carrier Level	<u>10.3</u>	<u>10.0</u>	<u>10.2</u>	<u>10.4</u>												
Variation Highest & Lowest Video Levels	<u>3.6</u>	<u>3.9</u>	<u>4.1</u>	<u>4.1</u>												
Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth: <u>4.5</u>																
Justification for any variation in this requirement: _____																
3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier.																
Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>																
Justification for any variation in this requirement: _____																
4. Video carriers are not allowed to vary more then 3 dB from any adjacent channel?																
Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>																
Justification for any variation greater than 3 dB: _____																
5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop.																
Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>																
Justification for any video level less then 3 dBmV: _____																
6. During this 24 hour test all video carrier level changes must be less then 8 dB																
Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>																
Justification for any variation greater then 8 dB: _____																
Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test.																
Was this Specification Met? Yes <input type="checkbox"/> , No <input type="checkbox"/>																
Justification for any variation greater then 8 dB: <u>New test point</u>																



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: JOHNSCHM
 Date: 02/14/04 Time: 12:09:59
 Description:

Serial #: 8383877
 File: 1CAMERON

Cal Date: 10/06/03
 DOS File: 1CAMERON

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 50.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	10.5	-2.1	12.6
3	WRAL	11.2	-2.7	13.9
4	EDU	10.6	-3.2	13.8
5	WRAY	10.3	-3.5	13.8
6	WTVB	10.3	-2.9	13.2
98	TVG	10.9	-2.0	12.9
14	NC14	11.0	-2.7	13.7
15	HSN	11.4	-2.1	13.5
16	QVC	11.7	-2.5	14.2
18	CSPN	11.7	-2.3	14.0
19	BET	11.8	-1.8	13.6
21	WGN	11.9	-1.6	13.5
22	WRPX	12.1	-1.5	13.6
7	HBC	12.9	-2.2	15.1
8	COMM	12.1	-1.1	13.2
9	WUNC	12.9	0.0	12.9
10	WLFL	13.2	-1.1	14.3
11	WUVC	13.3	-1.2	14.5
12	WRDC	12.3	-0.7	13.0
13	WRAZ	13.0	-0.6	13.6
24	TRI	13.0	-0.2	13.2
25	USA	13.6	-0.8	14.4
26	TNT	12.7	-0.7	13.4
27	A+E	12.8	-0.9	13.7
28	FFAM	12.3	-1.2	13.5
29	CNN	13.7	-0.2	13.9
30	DISC	13.9	0.0	13.9
31	ESPN	12.5	-0.8	13.3
32	ESP2	12.4	-1.6	14.0
33	LIFE	12.4	-0.4	12.8
34	TBS	12.4	-1.5	13.9
35	DISH	12.4	-1.5	13.9
36	COM	12.5	-0.8	13.3
37	CNBC	12.4	-1.8	14.2
38	AMC	11.9	-2.3	14.2
39	TLC	12.3	-1.8	14.1
40	SPK	12.6	-1.7	14.3
41	HLN	12.1	-0.9	13.0
42	TWC	12.3	-1.7	14.0
43	NICK	12.4	-1.7	14.1
44	CORT	12.6	-0.7	13.3
45	MSN	13.2	-1.2	14.4
46	APL	12.6	-1.0	13.6
47	LMN	12.8	-1.1	13.9
48	VH1	12.3	-1.7	14.0
49	SIFI	12.9	-1.3	14.2
50	FOX5	12.7	-0.6	13.3
51	GOLF	13.2	-0.4	13.6
53	MTV	13.9	0.0	13.9



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: JOHNSCHM
 Date: 02/14/04 Time: 12:09:59
 Description:

Serial #: 8383877
 File: 1CAMERON

Cal Date: 10/06/03
 DOS File: 1CAMERON

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	13.1	-0.5	13.6
55	OXY	13.0	-0.5	13.5
56	HIST	13.8	0.8	13.0
57	DISN	13.6	-0.1	13.7
58	FOXN	13.6	-0.7	14.3
60	CSP2	13.4	-0.9	14.3
61	WET	13.3	-0.7	14.0
62	E	12.6	-1.3	13.9
63	SOAP	13.3	-0.8	14.1
64	SNBC	12.9	-0.9	13.8
65	OLN	13.2	-0.5	13.7
66	ESPC	12.9	-1.9	14.8
67	TCM	12.5	-1.5	14.0
68	FIT	12.5	-1.3	13.8
69	CMT	12.7	-1.4	14.1
70	NGEO	12.6	-1.2	13.8
71	FX	13.1	-0.6	13.7
72	INSP	12.8	-1.1	13.9
73	HLMK	12.5	-1.7	14.2
74	TRAV	12.9	-0.8	13.7
75	TOON	13.2	-1.2	14.4
76	HGTV	13.1	-1.0	14.1
77	FOOD	12.3	-0.5	12.8
78	UMC	13.1	-1.1	14.2
116		13.7	0.9	12.8

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 5 Video = 10.3	Pass
Max Delta Video Level	15.0 dB	Ch 5 and 30, Delta = 3.6	Pass
Min Delta V/A	6.5 dB	Ch 2 Delta V/A = 12.6	Pass
Max Delta V/A	17.0 dB	Ch 7 Delta V/A = 15.1	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 28 and 29, Delta = 1.4	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: JOHNSCHM
 Date: 02/14/04 Time: 18:05:13
 Description:

Serial #: 8383877
 File: 2CAMERON

Cal Date: 10/06/03
 DOS File: 2CAMERON

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 45.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	10.4	-2.0	12.4
3	WRAL	11.3	-2.6	13.9
4	EDU	10.6	-3.2	13.8
5	WRAY	10.1	-3.6	13.7
6	WTVD	10.0	-2.7	12.7
98	TVG	11.0	-1.7	12.7
14	NC14	10.8	-2.6	13.4
15	HSN	11.5	-1.9	13.4
16	QVC	11.7	-2.4	14.1
18	CSPN	11.3	-2.6	13.9
19	BET	11.8	-1.8	13.6
21	WGN	12.0	-1.7	13.7
22	WRPX	12.3	-1.7	14.0
7	HBC	12.2	-2.2	14.4
8	COMM	11.7	-1.0	12.7
9	WUNC	12.9	0.0	12.9
10	WLFL	13.1	-1.2	14.3
11	WUVC	13.0	-1.5	14.5
12	WRDC	12.1	-0.9	13.0
13	WRAZ	12.8	-0.9	13.7
24	TRI	13.1	-0.3	13.4
25	USA	13.4	-0.9	14.3
26	TNT	12.8	-1.1	13.9
27	A+E	12.2	-1.1	13.3
28	FFAM	12.1	-1.5	13.6
29	CNN	13.5	-0.2	13.7
30	DISC	13.9	-0.1	14.0
31	ESPN	12.2	-0.8	13.0
32	ESP2	12.5	-1.6	14.1
33	LIFE	12.7	-0.7	13.4
34	TBS	12.0	-1.4	13.4
35	DISH	12.3	-1.6	13.9
36	COM	12.9	-0.8	13.7
37	CNBC	12.2	-1.7	13.9
38	AMC	12.0	-2.5	14.5
39	TLC	11.9	-1.5	13.4
40	SPK	12.2	-1.7	13.9
41	HLN	11.9	-1.0	12.9
42	TWC	12.5	-1.7	14.2
43	NICK	12.2	-2.1	14.3
44	CORT	12.3	-0.7	13.0
45	MSN	12.9	-1.2	14.1
46	APL	12.6	-0.9	13.5
47	LMN	12.8	-1.1	13.9
48	VH1	12.3	-1.6	13.9
49	SIFI	13.0	-1.4	14.4
50	FOX5	12.7	-0.8	13.5
51	GOLF	13.3	-0.6	13.9
53	MTV	13.7	-0.1	13.8



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: JOHNSCHM
 Date: 02/14/04 Time: 18:05:13
 Description:

Serial #: 8383877
 File: 2CAMERON

Cal Date: 10/06/03
 DOS File: 2CAMERON

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	13.0	-0.6	13.6
55	OXY	12.9	-0.6	13.5
56	HIST	13.7	0.9	12.8
57	DISN	13.6	-0.1	13.7
58	FOXN	13.5	-0.6	14.1
60	CSP2	13.4	-1.0	14.4
61	WET	13.4	-0.7	14.1
62	E	12.6	-1.4	14.0
63	SOAP	13.3	-0.7	14.0
64	SNBC	12.9	-1.1	14.0
65	OLN	13.6	-0.1	13.7
66	ESPC	12.8	-2.0	14.8
67	TCM	12.1	-1.7	13.8
68	FIT	12.5	-1.6	14.1
69	CMT	12.8	-1.4	14.2
70	NGEO	12.4	-1.6	14.0
71	FX	13.1	-0.6	13.7
72	INSP	12.9	-1.1	14.0
73	HLMK	12.4	-1.9	14.3
74	TRAV	12.6	-0.6	13.2
75	TOON	13.0	-1.3	14.3
76	HGTV	13.1	-0.8	13.9
77	FOOD	12.1	-0.4	12.5
78	UMC	12.6	-0.7	13.3
116		13.8	0.9	12.9

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 6 Video = 10.0	Pass
Max Delta Video Level	15.0 dB	Ch 6 and 30, Delta = 3.9	Pass
Min Delta V/A	6.5 dB	Ch 2 Delta V/A = 12.4	Pass
Max Delta V/A	17.0 dB	Ch 66 Delta V/A = 14.8	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 30 and 31, Delta = 1.7	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: JOHNSCHM
 Date: 02/15/04 Time: 00:04:36
 Description:

Serial #: 8383877
 File: 3CAMERON

Cal Date: 10/06/03
 DOS File: 3CAMERON

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 45.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	10.4	-2.1	12.5
3	WRAL	11.9	-2.3	14.2
4	EDU	10.8	-2.9	13.7
5	WRAY	10.5	-3.2	13.7
6	WTVD	10.2	-2.7	12.9
98	TVG	11.3	-1.5	12.8
14	NC14	11.4	-2.2	13.6
15	HSN	11.7	-1.8	13.5
16	QVC	12.0	-2.1	14.1
18	CSPN	11.5	-2.5	14.0
19	BET	11.7	-1.7	13.4
21	WGN	12.4	-1.4	13.8
22	WRPX	12.4	-1.6	14.0
7	HBC	12.4	-1.7	14.1
8	COMM	12.1	-0.9	13.0
9	WUNC	13.1	0.2	12.9
10	WFLA	13.4	-0.9	14.3
11	WUVC	13.3	-1.4	14.7
12	WRDC	12.4	-0.5	12.9
13	WRAZ	13.3	-0.6	13.9
24	TRI	13.4	0.1	13.3
25	USA	13.9	-0.1	14.0
26	TNT	13.1	-0.5	13.6
27	A+E	12.9	-0.9	13.8
28	FFAM	12.5	-0.7	13.2
29	CNN	13.8	0.0	13.8
30	DISC	14.3	0.6	13.7
31	ESPN	12.8	-0.2	13.0
32	ESP2	13.1	-1.6	14.7
33	LIFE	13.3	-0.4	13.7
34	TBS	12.6	-1.0	13.6
35	DISH	12.5	-1.4	13.9
36	COM	13.0	-0.4	13.4
37	CNBC	12.9	-1.3	14.2
38	AMC	12.5	-2.1	14.6
39	TLC	12.6	-1.3	13.9
40	SPK	13.0	-1.2	14.2
41	HLN	12.6	-0.7	13.3
42	TWC	12.9	-1.3	14.2
43	NICK	12.4	-1.7	14.1
44	CORT	12.9	-0.1	13.0
45	MSN	13.6	-0.9	14.5
46	APL	12.6	-0.7	13.3
47	LMN	13.2	-0.9	14.1
48	VH1	12.7	-1.4	14.1
49	SIFI	13.2	-1.2	14.4
50	FOXS	12.9	-0.5	13.4
51	GOLF	13.6	-0.3	13.9
53	MTV	14.3	0.3	14.0



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: JOHNSCHM
 Date: 02/15/04 Time: 00:04:36
 Description:

Serial #: 8383877
 File: 3CAMERON

Cal Date: 10/06/03
 DOS File: 3CAMERON

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	13.1	-0.2	13.3
55	OXY	13.4	-0.6	14.0
56	HIST	14.1	0.9	13.2
57	DISN	13.8	-0.1	13.9
58	FOXN	13.7	-0.3	14.0
60	CSP2	13.8	-0.7	14.5
61	WET	13.5	-0.3	13.8
62	E	13.1	-0.9	14.0
63	SOAP	13.6	-0.5	14.1
64	SNBC	13.2	-0.9	14.1
65	OLN	13.6	0.0	13.6
66	ESPC	12.8	-1.7	14.5
67	TCM	12.4	-1.3	13.7
68	FIT	13.1	-1.5	14.6
69	CMT	13.0	-1.2	14.2
70	NGEO	12.9	-1.4	14.3
71	FX	13.0	-0.4	13.4
72	INSP	13.0	-0.9	13.9
73	HLMK	12.9	-1.6	14.5
74	TRAV	12.8	-0.7	13.5
75	TOON	13.4	-1.3	14.7
76	HGTV	13.3	-0.6	13.9
77	FOOD	12.5	-0.6	13.1
78	UMC	13.0	-0.7	13.7
116		14.0	1.0	13.0

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 6 Video = 10.2	Pass
Max Delta Video Level	15.0 dB	Ch 6 and 30, Delta = 4.1	Pass
Min Delta V/A	6.5 dB	Ch 2 Delta V/A = 12.5	Pass
Max Delta V/A	17.0 dB	Ch 11 Delta V/A = 14.7	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 2 and 3, Delta = 1.5	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: JOHNSCHM
 Date: 02/15/04 Time: 06:10:30
 Description:

Serial #: 8383877
 File: 4CAMERON

Cal Date: 10/06/03
 DOS File: 4CAMERON

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 39.9 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	10.8	-2.2	13.0
3	WRAL	11.8	-2.2	14.0
4	EDU	10.9	-2.8	13.7
5	WRAY	10.4	-3.0	13.4
6	WTVD	10.6	-2.5	13.1
98	TVG	11.6	-1.2	12.8
14	NC14	11.6	-2.2	13.8
15	HSN	12.0	-1.5	13.5
16	QVC	12.3	-1.9	14.2
18	CSPN	11.8	-2.2	14.0
19	BET	12.1	-1.1	13.2
21	WGN	12.4	-1.1	13.5
22	WRPX	12.6	-1.7	14.3
7	HBC	13.2	-2.2	15.4
8	COMM	12.3	-0.8	13.1
9	WUNC	13.3	0.4	12.9
10	WLFL	13.6	-0.9	14.5
11	WUVC	13.7	-1.2	14.9
12	WRDC	12.7	-0.6	13.3
13	WRAZ	13.2	-0.1	13.3
24	TRI	13.4	0.3	13.1
25	USA	14.0	-0.3	14.3
26	TNT	13.5	-0.3	13.8
27	A+E	13.3	-0.7	14.0
28	FFAM	12.8	-0.4	13.2
29	CNN	13.8	0.3	13.5
30	DISC	14.5	0.4	14.1
31	ESPN	12.8	-0.1	12.9
32	ESP2	13.0	-0.9	13.9
33	LIFE	13.2	-0.3	13.5
34	TBS	12.7	-0.6	13.3
35	DISH	13.0	-1.1	14.1
36	COM	13.3	-0.6	13.9
37	CNBC	12.7	-1.3	14.0
38	AMC	12.3	-1.9	14.2
39	TLC	12.9	-0.7	13.6
40	SPK	13.2	-1.4	14.6
41	HLN	12.6	-0.6	13.2
42	TWC	12.9	-1.4	14.3
43	NICK	12.5	-1.6	14.1
44	CORT	12.8	0.0	12.8
45	MSN	13.7	-0.8	14.5
46	APL	12.9	-0.8	13.7
47	LMN	13.3	-0.7	14.0
48	VH1	12.6	-1.1	13.7
49	SIFI	13.3	-1.1	14.4
50	FOX5	13.0	-0.2	13.2
51	GOLF	13.6	-0.2	13.8
53	MTV	14.1	0.3	13.8



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: JOHNSCHM
 Date: 02/15/04 Time: 06:10:30
 Description:

Serial #: 8383877
 File: 4CAMERON

Cal Date: 10/06/03
 DOS File: 4CAMERON

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	13.6	-0.2	13.8
55	OXY	13.6	-0.3	13.9
56	HIST	14.3	1.3	13.0
57	DISN	14.3	0.6	13.7
58	FOXN	14.2	-0.4	14.6
60	CSP2	13.9	-0.7	14.6
61	WET	13.8	-0.2	14.0
62	E	13.0	-1.0	14.0
63	SOAP	13.8	-0.2	14.0
64	SNBC	13.3	-0.9	14.2
65	OLN	13.7	-0.1	13.8
66	ESPC	13.2	-1.6	14.8
67	TCM	12.5	-1.0	13.5
68	FIT	12.6	-1.5	14.1
69	CMT	13.4	-1.1	14.5
70	NGEO	12.7	-1.2	13.9
71	FX	13.0	-0.3	13.3
72	INSP	12.9	-1.1	14.0
73	HLMK	13.0	-1.6	14.6
74	TRAV	13.3	-0.4	13.7
75	TOON	13.6	-1.0	14.6
76	HGTV	13.5	-0.5	14.0
77	FOOD	12.6	0.3	12.3
78	UMC	13.1	-0.9	14.0
116		14.2	1.2	13.0

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 5 Video = 10.4	Pass
Max Delta Video Level	15.0 dB	Ch 5 and 30, Delta = 4.1	Pass
Min Delta V/A	6.5 dB	Ch 77 Delta V/A = 12.3	Pass
Max Delta V/A	17.0 dB	Ch 7 Delta V/A = 15.4	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 30 and 31, Delta = 1.7	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: DIXON
 Date of Test: 2-7-04 Time: 17:55
 Tech(s) Performing Test: Donald Brown

Highest Band Pass: 750MHz
 Test Point Number: 10
 Temperature: 50°
 Date Begun: 2-7-04

Equipment Used	Make/Model	Serial Number	Calibration Date
Spectrum Analyzer	<u>NA</u>	<u>NA</u>	<u>NA</u>
FSM	<u>SDA-5000</u>	<u>8513315</u>	<u>N/A</u>

Last

Test Setup used: A 30 meter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour.		Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>	
Date/Time	<u>2-7/17:55</u>	<u>2-8/00:06</u>	<u>2-8/16:14</u> <u>2-8/11:57</u>
2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed).			
Maximum Video Carrier Level	<u>19.0</u>	<u>19.4</u>	<u>19.6</u> <u>19.6</u>
Minimum Video Carrier Level	<u>9.9</u>	<u>10.0</u>	<u>10.2</u> <u>10.2</u>
Variation Highest & Lowest Video Levels	<u>9.1</u>	<u>9.4</u>	<u>9.4</u> <u>9.4</u>
Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth	<u>14.5</u>	Was the specification met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>	
Justification for any variation in this requirement:			
3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier.			
		Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>	
Justification for any variation in this requirement:			
4. Video carriers are not allowed to vary more then 3 dB from any adjacent channel?:			
		Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>	
Justification for any variation greater than 3 dB:			
5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop:			
		Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>	
Justification for any video level less then 3 dBmV:			
6. During this 24 hour test all video carrier level changes must be less then 8 dB			
		Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>	
Justification for any variation greater then 8 dB: _____			
Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test.			
		Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>	
Justification for any variation greater then 8 dB: _____			



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/07/04 Time: 17:55:24
 Description:

Serial #: 8513315
 File: 1DIXON

Cal Date: 07/18/03
 DOS File: 1DIXON

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 50.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	11.6	-4.0	15.6
3	WRAL	10.4	-4.9	15.3
4	EDU	9.9	-3.4	13.3
5	WRAY	10.6	-3.7	14.3
6	WTVD	10.7	-2.1	12.8
98	TVG	12.3	-1.7	14.0
14	NC14	12.4	-1.3	13.7
15	HSN	12.5	-0.9	13.4
16	QVC	13.4	-0.8	14.2
18	CSPN	13.0	-1.2	14.2
19	BET	13.7	-0.4	14.1
21	WGN	13.3	-0.4	13.7
22	WRPX	13.5	-0.8	14.3
7	HBC	13.6	-1.4	15.0
8	COMM	13.9	0.1	13.8
9	WUNC	13.1	0.7	12.4
10	WLFL	14.1	-2.6	16.7
11	WUVC	13.6	-0.7	14.3
12	WRDC	13.3	0.9	12.4
13	WRAZ	14.5	-2.3	16.8
24	TRI	13.6	-0.2	13.8
25	USA	14.2	-0.1	14.3
26	TNT	13.7	0.0	13.7
27	A+E	14.8	0.3	14.5
28	FFAM	14.9	0.1	14.8
29	CNN	15.2	2.1	13.1
30	DISC	15.6	1.7	13.9
31	ESPN	14.1	1.4	12.7
32	ESP2	15.7	1.6	14.1
33	LIFE	15.0	1.7	13.3
34	TBS	14.0	0.1	13.9
35	DISH	13.9	-0.2	14.1
36	COM	14.4	0.7	13.7
37	CNBC	14.4	0.1	14.3
38	AMC	13.5	-2.1	15.6
39	TLC	14.5	0.4	14.1
40	SPK	14.7	-0.8	15.5
41	HLN	13.6	0.9	12.7
42	TWC	14.4	-0.1	14.5
43	NICK	15.0	0.8	14.2
44	CORT	14.5	1.3	13.2
45	MSN	15.1	-0.3	15.4
46	APL	14.7	1.4	13.3
47	LMN	15.5	1.6	13.9
48	VH1	15.0	1.5	13.5
49	SIFI	15.4	1.0	14.4
50	FOX5	15.2	2.2	13.0
51	GOLF	15.1	1.9	13.2
53	MTV	15.7	2.0	13.7



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/07/04 Time: 17:55:24
 Description:

Serial #: 8513315
 File: 1DIXON

Cal Date: 07/18/03
 DOS File: 1DIXON

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	15.3	1.9	13.4
55	OXY	15.9	2.1	13.8
56	HIST	15.8	3.0	12.8
57	DISN	16.8	1.6	15.2
58	FOXN	16.1	2.5	13.6
60	CSP2	15.6	1.5	14.1
61	WET	16.5	2.6	13.9
62	E	16.3	2.1	14.2
63	SOAP	16.4	2.4	14.0
64	SNBC	16.2	2.2	14.0
65	OLN	17.3	3.3	14.0
66	ESPC	16.3	2.2	14.1
67	TCM	16.0	2.2	13.8
68	FIT	16.3	2.5	13.8
69	CMT	16.7	2.6	14.1
70	NGEO	16.3	2.0	14.3
71	FX	16.7	4.3	12.4
72	INSP	16.6	2.6	14.0
73	HLMK	16.5	2.4	14.1
74	TRAV	17.4	3.4	14.0
75	TOON	17.1	2.9	14.2
76	HGTV	17.1	3.2	13.9
77	FOOD	16.0	2.9	13.1
78	WNCN	17.6	2.6	15.0
116		19.0	3.2	15.8

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 4 Video = 9.9	Pass
Max Delta Video Level	15.0 dB	Ch 4 and 116, Delta = 9.1	Pass
Min Delta V/A	6.5 dB	Ch 9 Delta V/A = 12.4	Pass
Max Delta V/A	17.0 dB	Ch 13 Delta V/A = 16.8	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 31 and 32, Delta = 1.6	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/08/04 Time: 00:06:07
 Description:

Serial #: 8513315
 File: 2DIXON

Cal Date: 07/18/03
 DOS File: 2DIXON

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 36.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	12.0	-3.9	15.9
3	WRAL	10.0	-5.0	15.0
4	EDU	10.2	-3.5	13.7
5	WRAY	11.1	-4.3	15.4
6	WTVD	10.9	-2.4	13.3
98	TVG	13.0	-1.8	14.8
14	NC14	12.5	-1.0	13.5
15	HSN	13.0	-1.0	14.0
16	QVC	13.8	-0.8	14.6
18	CSPN	13.0	-0.9	13.9
19	BET	13.9	-0.2	14.1
21	WGN	13.9	-0.3	14.2
22	WRPX	13.7	-0.5	14.2
7	HBC	14.0	-1.4	15.4
8	COMM	14.2	0.2	14.0
9	WUNC	13.5	1.0	12.5
10	WFLA	14.0	-2.6	16.6
11	WUVC	13.6	-0.7	14.3
12	WRDC	13.4	0.5	12.9
13	WRAZ	14.2	-2.3	16.5
24	TRI	13.5	-0.1	13.6
25	USA	14.3	-0.1	14.4
26	TNT	13.8	0.0	13.8
27	A+E	15.2	0.6	14.6
28	FFAM	14.8	-0.1	14.9
29	CNN	15.2	1.9	13.3
30	DISC	15.4	1.5	13.9
31	ESPN	14.3	1.4	12.9
32	ESP2	16.2	2.0	14.2
33	LIFE	15.1	2.0	13.1
34	TBS	14.2	0.3	13.9
35	DISH	14.2	-0.5	14.7
36	COM	14.7	0.5	14.2
37	CNBC	14.6	0.1	14.5
38	AMC	13.6	-2.4	16.0
39	TLC	14.9	0.6	14.3
40	SPK	15.2	-0.3	15.5
41	HLN	14.4	1.0	13.4
42	TWC	14.8	0.0	14.8
43	NICK	15.1	1.0	14.1
44	CORT	14.5	1.1	13.4
45	MSN	15.4	0.1	15.3
46	APL	15.2	1.4	13.8
47	LMN	15.6	1.5	14.1
48	VH1	15.6	1.8	13.8
49	SIFI	16.0	1.0	15.0
50	FOX5	15.6	2.2	13.4
51	GOLF	15.6	1.9	13.7
53	MTV	16.8	2.3	14.5



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/08/04 Time: 00:06:07
 Description:

Serial #: 8513315
 File: 2DIXON

Cal Date: 07/18/03
 DOS File: 2DIXON

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	15.7	2.1	13.6
55	OXY	16.4	2.3	14.1
56	HIST	16.2	3.3	12.9
57	DISN	17.2	1.4	15.8
58	FOXN	16.6	2.5	14.1
60	CSP2	16.2	2.0	14.2
61	WET	16.3	2.5	13.8
62	E	16.7	2.3	14.4
63	SOAP	16.5	2.5	14.0
64	SNBC	16.5	2.3	14.2
65	OLN	17.0	3.3	13.7
66	ESPC	17.0	2.6	14.4
67	TCM	16.3	2.5	13.8
68	FIT	16.4	2.7	13.7
69	CMT	17.1	2.9	14.2
70	NGEO	16.3	2.3	14.0
71	FX	17.0	4.9	12.1
72	INSP	16.9	2.9	14.0
73	HLMK	16.5	2.9	13.6
74	TRAV	17.6	3.9	13.7
75	TOON	17.6	3.0	14.6
76	HGTV	17.4	3.5	13.9
77	FOOD	16.2	4.0	12.2
78	WNCN	17.4	3.0	14.4
116		19.4	3.5	15.9

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 10.0	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 116, Delta = 9.4	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 12.1	Pass
Max Delta V/A	17.0 dB	Ch 10 Delta V/A = 16.6	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 2 and 3, Delta = 2.0	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/08/04 Time: 06:14:17
 Description:

Serial #: 8513315
 File: 3DIXON

Cal Date: 07/18/03
 DOS File: 3DIXON

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 30.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	12.3	-4.2	16.5
3	WRAL	10.2	-4.9	15.1
4	EDU	10.3	-3.3	13.6
5	WRAY	11.0	-4.4	15.4
6	WTVD	11.1	-2.4	13.5
98	TVG	12.9	-2.2	15.1
14	NC14	12.9	-1.4	14.3
15	HSN	13.1	-0.5	13.6
16	QVC	14.1	-0.8	14.9
18	CSPN	13.6	-0.6	14.2
19	BET	14.1	-0.4	14.5
21	WGN	14.2	-0.3	14.5
22	WRPX	14.0	-0.6	14.6
7	HBC	14.3	-1.6	15.9
8	COMM	14.4	0.2	14.2
9	WUNC	13.8	0.6	13.2
10	WLFL	14.2	-2.6	16.8
11	WUVC	14.1	-0.4	14.5
12	WRDC	13.4	0.3	13.1
13	WRAZ	14.7	-2.3	17.0
24	TRI	13.5	-0.2	13.7
25	USA	14.3	-0.1	14.4
26	TNT	13.9	0.4	13.5
27	A+E	15.3	0.7	14.6
28	FFAM	14.9	-0.2	15.1
29	CNN	15.2	1.7	13.5
30	DISC	15.6	1.4	14.2
31	ESPN	14.8	1.1	13.7
32	ESP2	16.1	1.2	14.9
33	LIFE	15.6	1.3	14.3
34	TBS	14.3	0.3	14.0
35	DISH	14.3	-0.5	14.8
36	COM	14.7	0.7	14.0
37	CNBC	14.8	-0.2	15.0
38	AMC	13.6	-2.4	16.0
39	TLC	15.0	0.5	14.5
40	SPK	14.9	-0.4	15.3
41	HLN	14.5	0.7	13.8
42	TWC	15.1	0.0	15.1
43	NICK	15.3	0.7	14.6
44	CORT	14.8	0.9	13.9
45	MSN	15.7	0.1	15.6
46	APL	15.1	1.3	13.8
47	LMN	16.3	1.8	14.5
48	VH1	15.6	1.8	13.8
49	SIFI	16.2	1.1	15.1
50	FOX5	15.8	2.4	13.4
51	GOLF	15.6	2.1	13.5
53	MTV	16.4	2.1	14.3



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/08/04 Time: 06:14:17
 Description:

Serial #: 8513315
 File: 3DIXON

Cal Date: 07/18/03
 DOS File: 3DIXON

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	15.9	1.9	14.0
55	OXY	16.7	2.7	14.0
56	HIST	16.1	3.3	12.8
57	DISN	17.3	2.3	15.0
58	FOXN	16.7	3.0	13.7
60	CSP2	16.4	1.5	14.9
61	WET	16.7	2.6	14.1
62	E	16.8	2.2	14.6
63	SOAP	16.8	2.9	13.9
64	SNBC	16.8	2.5	14.3
65	OLN	17.4	3.3	14.1
66	ESPC	17.0	2.7	14.3
67	TCM	16.5	2.4	14.1
68	FIT	16.6	2.6	14.0
69	CMT	17.2	2.7	14.5
70	NGEO	16.8	2.1	14.7
71	FX	17.4	5.0	12.4
72	INSP	17.0	3.3	13.7
73	HLMK	17.1	2.6	14.5
74	TRAV	17.5	4.0	13.5
75	TOON	17.5	3.3	14.2
76	HGTV	17.5	3.3	14.2
77	FOOD	16.8	3.2	13.6
78	WNCN	17.5	2.7	14.8
116		19.6	3.5	16.1

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 10.2	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 116, Delta = 9.4	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 12.4	Pass
Max Delta V/A	17.0 dB	Ch 13 Delta V/A = 17.0	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 2 and 3, Delta = 2.1	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/08/04 Time: 11:57:51
 Description:

Serial #: 8513315
 File: 4DIXON

Cal Date: 07/18/03
 DOS File: 4DIXON

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 52.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	11.8	-4.3	16.1
3	WRAL	10.2	-5.1	15.3
4	EDU	10.3	-3.3	13.6
5	WRAY	10.8	-3.9	14.7
6	WTVD	11.1	-2.3	13.4
98	TVG	12.8	-1.8	14.6
14	NC14	13.0	-1.4	14.4
15	HSN	13.2	-0.7	13.9
16	QVC	14.1	-0.7	14.8
18	CSPN	13.3	-1.0	14.3
19	BET	14.3	-0.2	14.5
21	WGN	13.8	-0.3	14.1
22	WRPX	13.9	-0.6	14.5
7	HBC	13.9	-1.6	15.5
8	COMM	14.6	0.1	14.5
9	WUNC	13.6	1.4	12.2
10	WLFL	14.0	-2.6	16.6
11	WUVC	13.6	-0.5	14.1
12	WRDC	13.2	0.6	12.6
13	WRAZ	14.4	-2.4	16.8
24	TRI	13.5	-0.2	13.7
25	USA	14.3	-0.2	14.5
26	TNT	13.9	0.1	13.8
27	A+E	15.2	0.3	14.9
28	FFAM	15.2	0.2	15.0
29	CNN	15.5	1.9	13.6
30	DISC	15.6	1.6	14.0
31	ESPN	14.2	1.4	12.8
32	ESP2	16.2	1.5	14.7
33	LIFE	15.4	1.5	13.9
34	TBS	14.5	-0.3	14.8
35	DISH	13.9	-0.1	14.0
36	COM	14.9	0.8	14.1
37	CNBC	14.6	-0.1	14.7
38	AMC	13.6	-2.4	16.0
39	TLC	14.6	1.0	13.6
40	SPK	14.8	-0.4	15.2
41	HLN	14.4	0.6	13.8
42	TWC	14.8	-0.2	15.0
43	NICK	15.2	0.7	14.5
44	CORT	15.3	1.6	13.7
45	MSN	15.5	-0.1	15.6
46	APL	15.2	1.7	13.5
47	LMN	15.5	1.7	13.8
48	VH1	15.4	1.6	13.8
49	SIFI	15.9	1.6	14.3
50	FOX5	15.7	2.4	13.3
51	GOLF	15.3	1.9	13.4
53	MTV	16.6	2.5	14.1



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/08/04 Time: 11:57:51
 Description:

Serial #: 8513315
 File: 4DIXON

Cal Date: 07/18/03
 DOS File: 4DIXON

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	15.5	2.2	13.3
55	OXY	15.9	2.6	13.3
56	HIST	16.3	3.1	13.2
57	DISN	17.2	1.6	15.6
58	FOXN	16.4	2.5	13.9
60	CSP2	16.2	1.4	14.8
61	WET	16.3	2.5	13.8
62	E	17.1	2.5	14.6
63	SOAP	16.4	2.6	13.8
64	SNBC	16.5	2.3	14.2
65	OLN	17.0	3.3	13.7
66	ESPC	16.9	2.7	14.2
67	TCM	16.3	2.5	13.8
68	FIT	16.2	2.6	13.6
69	CMT	17.3	2.6	14.7
70	NGEO	16.4	2.0	14.4
71	FX	16.9	5.0	11.9
72	INSP	16.7	2.7	14.0
73	HLMK	16.5	2.6	13.9
74	TRAV	17.6	3.6	14.0
75	TOON	17.8	3.0	14.8
76	HGTV	17.3	3.3	14.0
77	FOOD	16.6	3.1	13.5
78	WNCN	17.4	2.8	14.6
116		19.6	3.5	16.1

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 10.2	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 116, Delta = 9.4	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 11.9	Pass
Max Delta V/A	17.0 dB	Ch 13 Delta V/A = 16.8	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 31 and 32, Delta = 2.0	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: Arbo Field
 Date of Test: 2-8-04 Time: 6:25
 Tech(s) Performing Test: Steve Cooper

Highest Band Pass: 750 MHz
 Test Point Number: 11
 Temperature: 32°
 Date Begun: 2-8-04

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer	<u>NA</u>	<u>NA</u>	<u>NA</u>
FSM	<u>SDA-5000</u>	<u>8573315</u>	<u>N/A</u>

Test Setup used: A 30 meter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour.

Date/Time	<u>2-8/6:25</u>	<u>2-8/12:17</u>	<u>2-8/18:21</u>	<u>2-9/00:09</u>
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Was the Specification Met? Yes , No

2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed).

Maximum Video Carrier Level	<u>21.1</u>	<u>20.9</u>	<u>20.9</u>	<u>21.5</u>
Minimum Video Carrier Level	<u>13.6</u>	<u>12.6</u>	<u>13.0</u>	<u>13.2</u>
Variation Highest & Lowest Video Levels	<u>7.5</u>	<u>8.3</u>	<u>7.9</u>	<u>8.3</u>

Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth 4.5 Was the specification met? Yes , No

Justification for any variation in this requirement:

3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier.

Was the Specification Met? Yes , No

Justification for any variation in this requirement:

4. Video carriers are not allowed to vary more then 3 dB from any adjacent channel?:

Was this Specification Met? Yes , No

Justification for any variation greater than 3 dB:

5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop:

Was this Specification Met? Yes , No

Justification for any video level less then 3 dBmV:

6. During this 24 hour test all video carrier level changes must be less then 8 dB

Was this Specification Met? Yes , No

Justification for any variation greater then 8 dB: _____

Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test.

Was this Specification Met? Yes , No

Justification for any variation greater then 8 dB: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/08/04 Time: 06:25:48
 Description:

Serial #: 8513315
 File: 1ARBORFIELD

Cal Date: 07/18/03
 DOS File: 1ARBORFIELD

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 32.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	15.8	-0.7	16.5
3	WRAL	13.8	-1.5	15.3
4	EDU	13.6	-0.1	13.7
5	WRAY	14.1	-1.5	15.6
6	WTVD	14.4	1.0	13.4
98	TVG	15.8	1.0	14.8
14	NC14	15.4	1.5	13.9
15	HSN	15.4	1.9	13.5
16	QVC	16.3	2.7	13.6
18	CSPN	15.5	1.6	13.9
19	BET	16.0	2.3	13.7
21	WGN	16.0	1.4	14.6
22	WRPX	15.7	0.9	14.8
7	HBC	15.9	0.0	15.9
8	COMM	15.7	1.7	14.0
9	WUNC	15.0	1.9	13.1
10	WLFL	15.3	-1.3	16.6
11	WUVC	15.4	1.1	14.3
12	WRDC	14.5	1.7	12.8
13	WRAZ	15.7	-1.1	16.8
24	TRI	14.7	0.9	13.8
25	USA	15.8	1.5	14.3
26	TNT	14.6	0.7	13.9
27	A+E	15.8	1.1	14.7
28	FFAM	15.6	0.5	15.1
29	CNN	16.0	2.4	13.6
30	DISC	16.1	2.2	13.9
31	ESPN	15.1	1.7	13.4
32	ESP2	16.6	2.0	14.6
33	LIFE	15.6	1.8	13.8
34	TBS	15.0	0.7	14.3
35	DISH	14.9	0.1	14.8
36	COM	15.3	0.8	14.5
37	CNBC	15.2	0.2	15.0
38	AMC	13.8	-2.2	16.0
39	TLC	14.9	0.3	14.6
40	SPK	15.1	0.0	15.1
41	HLN	15.0	1.3	13.7
42	TWC	15.2	0.1	15.1
43	NICK	15.2	0.6	14.6
44	CORT	15.0	0.8	14.2
45	MSN	15.6	-0.4	16.0
46	APL	14.6	0.8	13.8
47	LMN	15.1	0.7	14.4
48	VH1	15.0	0.9	14.1
49	SIFI	15.6	0.8	14.8
50	FOX5	15.4	1.6	13.8
51	GOLF	15.0	1.4	13.6
53	MTV	15.5	2.0	13.5



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/08/04 Time: 06:25:48
 Description:

Serial #: 8513315
 File: 1ARBORFIELD

Cal Date: 07/18/03
 DOS File: 1ARBORFIELD

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	15.4	1.1	14.3
55	OXY	16.1	1.6	14.5
56	HIST	16.0	3.3	12.7
57	DISN	16.9	0.8	16.1
58	FOXN	16.0	1.9	14.1
60	CSP2	15.3	0.4	14.9
61	WET	16.0	1.5	14.5
62	E	16.1	1.2	14.9
63	SOAP	15.7	1.5	14.2
64	SNBC	15.4	1.2	14.2
65	OLN	16.3	2.0	14.3
66	ESPC	15.8	1.2	14.6
67	TCM	15.7	1.3	14.4
68	FIT	15.4	1.4	14.0
69	CMT	15.9	1.6	14.3
70	NGEO	15.2	1.0	14.2
71	FX	16.3	3.4	12.9
72	INSP	16.0	1.3	14.7
73	HLMK	15.2	1.1	14.1
74	TRAV	16.5	2.6	13.9
75	TOON	16.4	2.0	14.4
76	HGTV	16.0	2.1	13.9
77	FOOD	15.4	2.7	12.7
78	WNCN	16.4	1.8	14.6
116		21.1	4.7	16.4

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 4 Video = 13.6	Pass
Max Delta Video Level	15.0 dB	Ch 4 and 116, Delta = 7.5	Pass
Min Delta V/A	6.5 dB	Ch 56 Delta V/A = 12.7	Pass
Max Delta V/A	17.0 dB	Ch 13 Delta V/A = 16.8	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 2 and 3, Delta = 2.0	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/08/04 Time: 12:17:16
 Description:

Serial #: 8513315
 File: 2ARBORFIELD

Cal Date: 07/18/03
 DOS File: 2ARBORFIELD

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 50.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	15.0	-1.5	16.5
3	WRAL	12.6	-2.0	14.6
4	EDU	12.9	-0.5	13.4
5	WRAY	13.4	-1.4	14.8
6	WTVD	13.6	0.5	13.1
98	TVG	15.0	0.8	14.2
14	NC14	14.5	0.9	13.6
15	HSN	14.7	1.3	13.4
16	QVC	16.0	1.5	14.5
18	CSPN	15.3	0.8	14.5
19	BET	15.5	1.6	13.9
21	WGN	14.9	1.1	13.8
22	WRPX	15.0	0.4	14.6
7	HBC	15.1	0.0	15.1
8	COMM	15.4	1.3	14.1
9	WUNC	14.3	1.3	13.0
10	WLFL	14.7	-2.0	16.7
11	WUVC	14.9	0.2	14.7
12	WRDC	13.8	1.6	12.2
13	WRAZ	15.0	-1.8	16.8
24	TRI	14.3	0.9	13.4
25	USA	15.0	0.7	14.3
26	TNT	14.4	0.5	13.9
27	A+E	15.4	0.8	14.6
28	FFAM	15.5	0.7	14.8
29	CNN	15.8	2.1	13.7
30	DISC	16.0	2.0	14.0
31	ESPN	14.9	1.6	13.3
32	ESP2	16.3	1.8	14.5
33	LIFE	15.1	1.9	13.2
34	TBS	14.4	-0.1	14.5
35	DISH	14.1	-0.3	14.4
36	COM	14.6	1.0	13.6
37	CNBC	14.5	-0.1	14.6
38	AMC	13.5	-2.6	16.1
39	TLC	14.4	0.1	14.3
40	SPK	15.0	-0.6	15.6
41	HLN	14.6	1.2	13.4
42	TWC	14.7	-0.1	14.8
43	NICK	14.6	0.3	14.3
44	CORT	14.5	1.1	13.4
45	MSN	15.0	-0.8	15.8
46	APL	14.2	0.8	13.4
47	LMN	14.8	0.7	14.1
48	VH1	14.4	0.5	13.9
49	SIFI	14.7	-0.2	14.9
50	FOXS	14.7	1.4	13.3
51	GOLF	14.5	0.8	13.7
53	MTV	15.1	1.5	13.6



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/08/04 Time: 12:17:16
 Description:

Serial #: 8513315
 File: 2ARBORFIELD

Cal Date: 07/18/03
 DOS File: 2ARBORFIELD

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	14.4	1.0	13.4
55	OXY	15.0	1.3	13.7
56	HIST	15.1	2.3	12.8
57	DISN	15.8	0.3	15.5
58	FOXN	15.6	1.4	14.2
60	CSP2	14.5	0.0	14.5
61	WET	15.2	1.1	14.1
62	E	15.8	0.9	14.9
63	SOAP	15.1	1.1	14.0
64	SNBC	14.9	1.1	13.8
65	OLN	15.4	1.8	13.6
66	ESPC	15.2	1.2	14.0
67	TCM	15.1	1.0	14.1
68	FIT	14.9	0.9	14.0
69	CMT	15.2	1.2	14.0
70	NGEO	14.6	0.7	13.9
71	FX	15.5	2.8	12.7
72	INSP	14.9	0.8	14.1
73	HLMK	14.8	1.0	13.8
74	TRAV	15.7	2.3	13.4
75	TOON	16.0	1.9	14.1
76	HGTV	15.7	2.0	13.7
77	FOOD	14.9	2.7	12.2
78	WNCN	15.9	1.5	14.4
116		20.9	4.5	16.4

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 12.6	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 116, Delta = 8.3	Pass
Min Delta V/A	6.5 dB	Ch 12 Delta V/A = 12.2	Pass
Max Delta V/A	17.0 dB	Ch 13 Delta V/A = 16.8	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 2 and 3, Delta = 2.4	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
Operator: BROWN_DON
Date: 02/08/04 Time: 18:21:39
Description:

Serial #: 8513315
File: 3ARBORFIELD

Cal Date: 07/18/03
DOS File: 3ARBORFIELD

Location: ?
Location Type: Undefined
Area:
Test Pnt Type: None
Test Pnt Comp: 0.0
AC Voltage: 0

AmpID:
Power Cfg: IN
Feeder Maker Cfg: 1
Trunk Term: NO
Voltage Setting: LOW
DC Voltage (reg): 0.0

Reverse Pad: 0.0
Forward Pad: 0.0
Rev Equalizer: 0.0
Fwd Equalizer: 0.0
Temp: 39.9 F
DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	14.9	-1.5	16.4
3	WRAL	13.0	-2.1	15.1
4	EDU	13.0	-0.4	13.4
5	WRAY	13.2	-1.3	14.5
6	WTVB	13.6	0.3	13.3
98	TVG	15.4	0.6	14.8
14	NC14	14.7	1.0	13.7
15	HSN	14.7	1.2	13.5
16	QVC	15.3	1.4	13.9
18	CSPN	15.0	0.8	14.2
19	BET	15.4	1.5	13.9
21	WGN	14.9	0.8	14.1
22	WRPX	15.0	0.4	14.6
7	HBC	14.9	-0.6	15.5
8	COMM	15.5	1.2	14.3
9	WUNC	14.6	1.5	13.1
10	WLFL	14.8	-2.0	16.8
11	WUVC	14.9	0.4	14.5
12	WRDC	14.1	1.6	12.5
13	WRAZ	15.2	-1.8	17.0
24	TRI	14.4	1.1	13.3
25	USA	14.9	0.9	14.0
26	TNT	14.4	0.6	13.8
27	A+E	15.5	0.9	14.6
28	FFAM	15.3	0.5	14.8
29	CNN	15.6	2.3	13.3
30	DISC	15.9	2.0	13.9
31	ESPN	15.0	1.7	13.3
32	ESP2	15.8	1.9	13.9
33	LIFE	15.3	2.0	13.3
34	TBS	14.5	0.1	14.4
35	DISH	14.4	-0.3	14.7
36	COM	14.7	1.0	13.7
37	CNBC	14.6	0.3	14.3
38	AMC	13.7	-2.4	16.1
39	TLC	14.7	0.1	14.6
40	SPK	14.9	-0.4	15.3
41	HLN	14.5	1.2	13.3
42	TWC	14.5	0.1	14.4
43	NICK	14.8	0.3	14.5
44	CORT	14.7	0.9	13.8
45	MSN	15.0	-0.5	15.5
46	APL	14.6	0.7	13.9
47	LMN	14.8	0.7	14.1
48	VH1	15.1	1.0	14.1
49	SIFI	15.0	0.2	14.8
50	FOX5	14.8	1.6	13.2
51	GOLF	14.8	1.2	13.6
53	MTV	15.4	1.9	13.5



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/08/04 Time: 18:21:39
 Description:

Serial #: 8513315
 File: 3ARBORFIELD

Cal Date: 07/18/03
 DOS File: 3ARBORFIELD

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	14.7	1.2	13.5
55	OXY	15.6	1.4	14.2
56	HIST	15.4	2.4	13.0
57	DISN	16.1	0.8	15.3
58	FOXN	15.6	1.6	14.0
60	CSP2	14.6	0.3	14.3
61	WET	15.2	1.2	14.0
62	E	15.6	1.1	14.5
63	SOAP	15.4	1.3	14.1
64	SNBC	15.0	1.3	13.7
65	OLN	15.6	1.8	13.8
66	ESPC	15.0	0.8	14.2
67	TCM	15.1	1.0	14.1
68	FIT	14.9	1.2	13.7
69	CMT	15.2	1.3	13.9
70	NGEO	15.1	0.8	14.3
71	FX	15.4	3.1	12.3
72	INSP	15.0	1.0	14.0
73	HLMK	14.7	1.1	13.6
74	TRAV	15.8	2.6	13.2
75	TOON	16.0	1.9	14.1
76	HGTV	15.8	2.0	13.8
77	FOOD	14.9	2.2	12.7
78	WNCN	16.2	1.7	14.5
116		20.9	4.6	16.3

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 13.0	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 116, Delta = 7.9	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 12.3	Pass
Max Delta V/A	17.0 dB	Ch 13 Delta V/A = 17.0	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 2 and 3, Delta = 1.9	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
Operator: BROWN_DON
Date: 02/09/04 Time: 00:09:48
Description:

Serial #: 8513315
File: 4ARBORFIELD

Cal Date: 07/18/03
DOS File: 4ARBORFIELD

Location: ?
Location Type: Undefined
Area:
Test Pnt Type: None
Test Pnt Comp: 0.0
AC Voltage: 0

AmpID:
Power Cfg: IN
Feeder Maker Cfg: 1
Trunk Term: NO
Voltage Setting: LOW
DC Voltage (reg): 0.0

Reverse Pad: 0.0
Forward Pad: 0.0
Rev Equalizer: 0.0
Fwd Equalizer: 0.0
Temp: 28.9 F
DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	15.6	-0.6	16.2
3	WRAL	13.2	-1.6	14.8
4	EDU	13.5	-0.2	13.7
5	WRAY	14.2	-1.5	15.7
6	WTVB	14.4	0.9	13.5
98	TVG	15.4	1.4	14.0
14	NC14	15.4	1.9	13.5
15	HSN	15.3	1.7	13.6
16	QVC	16.1	2.2	13.9
18	CSPN	15.6	0.9	14.7
19	BET	15.9	1.7	14.2
21	WGN	15.7	1.2	14.5
22	WRPX	15.7	1.1	14.6
7	HBC	15.6	-0.2	15.8
8	COMM	15.6	1.6	14.0
9	WUNC	15.1	1.8	13.3
10	WLFL	15.3	-1.3	16.6
11	WUVC	15.5	0.9	14.6
12	WRDC	14.6	2.0	12.6
13	WRAZ	15.2	-1.5	16.7
24	TRI	14.7	1.1	13.6
25	USA	15.1	0.8	14.3
26	TNT	14.6	0.6	14.0
27	A+E	15.9	1.3	14.6
28	FFAM	15.4	0.6	14.8
29	CNN	15.8	2.4	13.4
30	DISC	16.2	2.0	14.2
31	ESPN	15.0	1.6	13.4
32	ESP2	16.2	2.8	13.4
33	LIFE	15.6	2.1	13.5
34	TBS	14.6	0.0	14.6
35	DISH	14.5	-0.3	14.8
36	COM	15.0	1.1	13.9
37	CNBC	14.9	0.2	14.7
38	AMC	13.9	-2.1	16.0
39	TLC	15.1	0.3	14.8
40	SPK	15.6	-0.3	15.9
41	HLN	14.9	2.1	12.8
42	TWC	15.1	0.0	15.1
43	NICK	15.4	0.9	14.5
44	CORT	15.2	1.0	14.2
45	MSN	15.6	-0.5	16.1
46	APL	14.7	0.6	14.1
47	LMN	15.3	1.4	13.9
48	VH1	15.3	1.0	14.3
49	SIFI	15.1	0.9	14.2
50	FOX5	15.0	1.7	13.3
51	GOLF	15.2	1.5	13.7
53	MTV	16.0	1.7	14.3



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: BROWN_DON
 Date: 02/09/04 Time: 00:09:48
 Description:

Serial #: 8513315
 File: 4ARBORFIELD

Cal Date: 07/18/03
 DOS File: 4ARBORFIELD

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	15.0	1.4	13.6
55	OXY	16.1	1.3	14.8
56	HIST	15.9	2.7	13.2
57	DISN	16.5	0.6	15.9
58	FOXN	16.0	1.9	14.1
60	CSP2	15.3	0.3	15.0
61	WET	15.7	1.3	14.4
62	E	15.7	1.2	14.5
63	SOAP	16.0	1.8	14.2
64	SNBC	15.6	1.5	14.1
65	OLN	16.0	2.0	14.0
66	ESPC	15.6	1.3	14.3
67	TCM	15.6	1.0	14.6
68	FIT	15.7	1.9	13.8
69	CMT	15.8	1.5	14.3
70	NGEO	15.3	1.1	14.2
71	FX	16.1	3.3	12.8
72	INSP	15.5	1.0	14.5
73	HLMK	15.6	1.6	14.0
74	TRAV	16.3	2.8	13.5
75	TOON	16.3	2.0	14.3
76	HGTV	16.3	2.3	14.0
77	FOOD	15.6	2.5	13.1
78	WNCN	16.5	1.9	14.6
116		21.5	4.8	16.7

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 13.2	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 116, Delta = 8.3	Pass
Min Delta V/A	6.5 dB	Ch 12 Delta V/A = 12.6	Pass
Max Delta V/A	17.0 dB	Ch 13 Delta V/A = 16.7	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 2 and 3, Delta = 2.4	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: Massey Chapel
 Date of Test: 2-15-04 Time: 11:02
 Tech(s) Performing Test: Ron Cupit

Highest Band Pass: 750 MHz
 Test Point Number: 12
 Temperature: 48°
 Date Begun: 2-15-04

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer FSM	<u>SDA-5000</u>	<u>2381236</u>	<u>N/A</u>

Test Setup used: A 30 meter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour.

Date/Time	<u>2-15/11:02</u>	<u>2-15/17:03</u>	<u>2-15/22:58</u>	<u>2-16/5:05</u>
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Was the Specification Met? Yes , No

2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed).

Maximum Video Carrier Level	<u>21.4</u>	<u>21.9</u>	<u>22.4</u>	<u>22.3</u>
Minimum Video Carrier Level	<u>16.7</u>	<u>17.1</u>	<u>17.8</u>	<u>17.8</u>
Variation Highest & Lowest Video Levels	<u>4.7</u>	<u>4.8</u>	<u>4.6</u>	<u>4.5</u>

Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth 4.5 Was the specification met? Yes , No

Justification for any variation in this requirement:

3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier.

Was the Specification Met? Yes , No

Justification for any variation in this requirement:

4. Video carriers are not allowed to vary more then 3 dB from any adjacent channel?:

Was this Specification Met? Yes , No

Justification for any variation greater than 3 dB:

5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop:

Was this Specification Met? Yes , No

Justification for any video level less then 3 dBmV:

6. During this 24 hour test all video carrier level changes must be less then 8 dB

Was this Specification Met? Yes , No

Justification for any variation greater then 8 dB: _____

Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test.

Was this Specification Met? Yes , No

Justification for any variation greater then 8 dB: New test point



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: RON
 Date: 02/15/04 Time: 11:02:13
 Description:

Serial #: 2381236
 File: 1MASSEY

Cal Date: 09/10/03
 DOS File: 1MASSEY

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 48.9 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	18.6	5.0	13.6
3	WRAL	18.9	5.2	13.7
4	EDU	18.6	5.1	13.5
5	WRAY	18.4	5.2	13.2
6	WTVD	18.9	5.7	13.2
7	HBC	21.0	6.1	14.9
8	COMM	21.0	7.3	13.7
9	WUNC	20.9	8.4	12.5
10	WLFL	21.2	7.1	14.1
11	WUVC	21.2	7.3	13.9
12	WRDC	20.8	7.3	13.5
13	WRAZ	21.1	7.0	14.1
14	NC14	20.0	6.5	13.5
15	HSN	20.3	7.0	13.3
16	QVC	20.3	6.6	13.7
18	CSPN	20.0	6.0	14.0
19	BET	20.1	6.5	13.6
21	WGN	20.4	6.6	13.8
22	WRPX	20.3	6.2	14.1
24	TRI	20.6	7.0	13.6
25	USA	20.9	6.3	14.6
26	TNT	20.0	6.2	13.8
27	A+E	20.3	6.5	13.8
28	FFAM	20.6	6.2	14.4
29	CNN	20.9	7.1	13.8
30	DISC	21.4	7.8	13.6
31	ESPN	20.4	7.5	12.9
32	ESP2	20.5	6.5	14.0
33	LIFE	20.3	7.1	13.2
34	TBS	20.4	6.8	13.6
35	DISH	20.2	6.6	13.6
36	COM	20.9	7.0	13.9
37	CNBC	20.4	6.3	14.1
38	AMC	19.8	5.5	14.3
39	TLC	20.1	5.8	14.3
40	SPK	20.0	5.8	14.2
41	HLN	19.3	6.3	13.0
42	TWC	19.7	5.6	14.1
43	NICK	19.6	5.7	13.9
44	CORT	20.2	7.1	13.1
45	MSN	20.7	6.8	13.9
46	APL	20.0	7.2	12.8
47	LMN	21.1	6.9	14.2
48	VH1	20.4	6.6	13.8
49	SIFI	20.6	6.3	14.3
50	FOX5	20.3	6.7	13.6
51	GOLF	20.3	6.6	13.7
53	MTV	20.6	6.9	13.7
54	TVLN	19.9	6.6	13.3



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: RON
 Date: 02/15/04 Time: 11:02:13
 Description:

Serial #: 2381236
 File: 1MASSEY

Cal Date: 09/10/03
 DOS File: 1MASSEY

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55	OXY	20.2	6.6	13.6
56	HIST	20.9	7.7	13.2
57	DISN	21.0	7.0	14.0
58	FOXN	20.8	6.5	14.3
60	CSP2	19.8	5.9	13.9
61	WET	20.2	6.4	13.8
62	E	19.5	5.3	14.2
63	SOAP	19.6	5.7	13.9
64	SNBC	19.2	5.3	13.9
65	OLN	19.5	5.9	13.6
66	ESPC	19.1	4.7	14.4
67	TCM	18.5	4.5	14.0
68	FIT	18.4	4.0	14.4
69	CMT	18.4	4.2	14.2
70	NGEO	18.1	4.1	14.0
71	FX	18.4	5.1	13.3
72	INSP	17.9	3.8	14.1
73	HLMK	17.4	3.4	14.0
74	TRAV	17.6	4.2	13.4
75	TOON	17.8	3.3	14.5
76	HGTV	17.3	3.9	13.4
77	FOOD	16.8	4.0	12.8
78	UMC	17.2	3.2	14.0
98	TVG	20.0	6.6	13.4
116		16.7	3.8	12.9

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 116 Video = 16.7	Pass
Max Delta Video Level	15.0 dB	Ch 30 and 116, Delta = 4.7	Pass
Min Delta V/A	6.5 dB	Ch 9 Delta V/A = 12.5	Pass
Max Delta V/A	17.0 dB	Ch 7 Delta V/A = 14.9	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 46 and 47, Delta = 1.1	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: RON
 Date: 02/15/04 Time: 17:03:54
 Description:

Serial #: 2381236
 File: 2MASSEY

Cal Date: 09/10/03
 DOS File: 2MASSEY

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 39.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	18.4	4.9	13.5
3	WRAL	18.6	4.9	13.7
4	EDU	18.5	5.0	13.5
5	WRAY	18.4	5.2	13.2
6	WTVD	18.9	5.7	13.2
7	HBC	20.8	6.3	14.5
8	COMM	21.0	7.9	13.1
9	WUNC	21.5	8.8	12.7
10	WLFL	21.6	7.5	14.1
11	WUVC	21.5	7.3	14.2
12	WRDC	20.9	7.2	13.7
13	WRAZ	20.2	6.3	13.9
14	NC14	20.1	6.4	13.7
15	HSN	20.5	7.1	13.4
16	QVC	20.4	6.6	13.8
18	CSPN	20.0	5.8	14.2
19	BET	19.9	6.3	13.6
21	WGN	20.0	6.2	13.8
22	WRPX	20.0	6.1	13.9
24	TRI	20.6	6.6	14.0
25	USA	20.8	6.3	14.5
26	TNT	20.1	6.4	13.7
27	A+E	20.5	6.7	13.8
28	FFAM	20.9	6.6	14.3
29	CNN	21.3	7.4	13.9
30	DISC	21.9	8.2	13.7
31	ESPN	20.5	7.7	12.8
32	ESP2	21.0	6.4	14.6
33	LIFE	20.4	7.2	13.2
34	TBS	20.5	6.6	13.9
35	DISH	20.1	6.6	13.5
36	COM	20.8	7.1	13.7
37	CNBC	20.5	6.4	14.1
38	AMC	19.6	5.5	14.1
39	TLC	20.0	6.0	14.0
40	SPK	20.2	6.1	14.1
41	HLN	19.4	6.7	12.7
42	TWC	20.0	5.8	14.2
43	NICK	19.8	6.0	13.8
44	CORT	20.2	7.3	12.9
45	MSN	20.9	7.0	13.9
46	APL	20.4	7.3	13.1
47	LMN	21.0	6.9	14.1
48	VH1	20.6	6.6	14.0
49	SIFI	20.8	6.4	14.4
50	FOX5	20.2	6.9	13.3
51	GOLF	20.4	6.6	13.8
53	MTV	20.9	7.1	13.8
54	TVLN	20.0	6.7	13.3



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: RON
 Date: 02/15/04 Time: 17:03:54
 Description:

Serial #: 2381236
 File: 2MASSEY

Cal Date: 09/10/03
 DOS File: 2MASSEY

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55	OXY	20.3	6.7	13.6
56	HIST	20.9	8.0	12.9
57	DISN	21.0	7.1	13.9
58	FOXN	20.8	6.9	13.9
60	CSP2	20.0	6.2	13.8
61	WET	20.0	6.4	13.6
62	E	19.7	5.5	14.2
63	SOAP	19.6	5.8	13.8
64	SNBC	19.2	5.3	13.9
65	OLN	19.7	5.9	13.8
66	ESPC	19.3	4.7	14.6
67	TCM	18.8	4.7	14.1
68	FIT	18.6	4.3	14.3
69	CMT	18.7	4.5	14.2
70	NGEO	18.4	4.4	14.0
71	FX	18.5	5.2	13.3
72	INSP	18.2	4.1	14.1
73	HLMK	17.8	3.6	14.2
74	TRAV	17.9	4.6	13.3
75	TOON	18.4	3.7	14.7
76	HGTV	17.8	4.3	13.5
77	FOOD	17.2	4.2	13.0
78	UMC	17.5	3.5	14.0
98	TVG	20.0	6.6	13.4
116		17.1	4.2	12.9

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 116 Video = 17.1	Pass
Max Delta Video Level	15.0 dB	Ch 30 and 116, Delta = 4.8	Pass
Min Delta V/A	6.5 dB	Ch 9 Delta V/A = 12.7	Pass
Max Delta V/A	17.0 dB	Ch 75 Delta V/A = 14.7	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 30 and 31, Delta = 1.4	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: RON
 Date: 02/15/04 Time: 22:58:23
 Description:

Serial #: 2381236
 File: 3MASSEY

Cal Date: 09/10/03
 DOS File: 3MASSEY

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 32.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	18.6	5.1	13.5
3	WRAL	18.9	5.1	13.8
4	EDU	18.8	5.1	13.7
5	WRAY	18.9	5.3	13.6
6	WTVD	19.2	5.9	13.3
7	HBC	21.3	6.5	14.8
8	COMM	21.5	8.1	13.4
9	WUNC	21.7	9.2	12.5
10	WLFL	22.1	7.7	14.4
11	WUVC	21.8	7.4	14.4
12	WRDC	21.5	7.6	13.9
13	WRAZ	20.8	6.6	14.2
14	NC14	20.5	6.8	13.7
15	HSN	20.5	7.1	13.4
16	QVC	21.0	7.0	14.0
18	CSPN	20.4	6.3	14.1
19	BET	20.5	6.7	13.8
21	WGN	20.3	6.5	13.8
22	WRPX	20.4	6.3	14.1
24	TRJ	21.0	7.2	13.8
25	USA	21.3	6.7	14.6
26	TNT	20.6	6.9	13.7
27	A+E	21.0	7.2	13.8
28	FFAM	22.0	7.3	14.7
29	CNN	21.7	8.2	13.5
30	DISC	22.4	8.9	13.5
31	ESPN	21.3	8.2	13.1
32	ESP2	21.5	7.0	14.5
33	LIFE	21.1	7.7	13.4
34	TBS	21.1	7.3	13.8
35	DISH	20.9	6.9	14.0
36	COM	21.4	7.7	13.7
37	CNBC	21.2	6.9	14.3
38	AMC	20.0	5.7	14.3
39	TLC	20.5	6.7	13.8
40	SPK	20.7	6.6	14.1
41	HLN	20.1	7.2	12.9
42	TWC	20.5	6.3	14.2
43	NICK	20.3	5.9	14.4
44	CORT	20.7	7.6	13.1
45	MSN	21.5	7.5	14.0
46	APL	21.1	7.9	13.2
47	LMN	21.7	7.5	14.2
48	VH1	21.2	7.2	14.0
49	SIFI	21.4	6.8	14.6
50	FOXS	20.9	7.4	13.5
51	GOLF	20.9	7.1	13.8
53	MTV	21.3	7.6	13.7
54	TVLN	20.5	7.1	13.4



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: RON
 Date: 02/15/04 Time: 22:58:23
 Description:

Serial #: 2381236
 File: 3MASSEY

Cal Date: 09/10/03
 DOS File: 3MASSEY

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55	OXY	20.8	7.2	13.6
56	HIST	21.5	8.8	12.7
57	DISN	21.6	7.6	14.0
58	FOXN	21.6	7.3	14.3
60	CSP2	20.9	6.9	14.0
61	WET	20.7	7.0	13.7
62	E	20.5	6.1	14.4
63	SOAP	20.6	6.4	14.2
64	SNBC	19.9	6.0	13.9
65	OLN	20.5	6.8	13.7
66	ESPC	19.7	5.1	14.6
67	TCM	19.5	5.4	14.1
68	FIT	19.5	5.1	14.4
69	CMT	19.3	5.1	14.2
70	NGEO	18.7	4.8	13.9
71	FX	19.4	6.0	13.4
72	INSP	18.8	4.9	13.9
73	HLMK	18.2	4.2	14.0
74	TRAV	18.7	5.3	13.4
75	TOON	18.9	4.4	14.5
76	HGTV	18.5	5.0	13.5
77	FOOD	17.9	4.8	13.1
78	UMC	18.1	4.0	14.1
98	TVG	20.3	7.4	12.9
116		17.8	5.0	12.8

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 116 Video = 17.8	Pass
Max Delta Video Level	15.0 dB	Ch 30 and 116, Delta = 4.6	Pass
Min Delta V/A	6.5 dB	Ch 9 Delta V/A = 12.5	Pass
Max Delta V/A	17.0 dB	Ch 7 Delta V/A = 14.8	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 37 and 38, Delta = 1.2	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: RON
 Date: 02/16/04 Time: 05:05:02
 Description:

Serial #: 2381236
 File: 4MASSEY

Cal Date: 09/10/03
 DOS File: 4MASSEY

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 27.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	18.9	5.1	13.8
3	WRAL	18.7	5.1	13.6
4	EDU	18.8	5.2	13.6
5	WRAY	18.6	5.2	13.4
6	WTVB	19.2	5.9	13.3
7	HBC	21.5	6.2	15.3
8	COMM	21.5	8.2	13.3
9	WUNC	21.8	9.3	12.5
10	WLFL	22.0	7.8	14.2
11	WUVC	21.5	7.5	14.0
12	WRDC	21.6	7.8	13.8
13	WRAZ	20.8	6.7	14.1
14	NC14	20.5	6.9	13.6
15	HSN	20.7	7.1	13.6
16	QVC	20.8	6.9	13.9
18	CSPN	20.5	6.3	14.2
19	BET	20.4	6.7	13.7
21	WGN	20.4	6.6	13.8
22	WRPX	20.4	6.5	13.9
24	TRI	21.0	7.2	13.8
25	USA	21.1	6.8	14.3
26	TNT	20.5	6.8	13.7
27	A+E	21.0	7.4	13.6
28	FFAM	21.4	7.0	14.4
29	CNN	21.6	8.1	13.5
30	DISC	22.3	8.6	13.7
31	ESPN	21.1	8.3	12.8
32	ESP2	21.6	7.0	14.6
33	LIFE	21.0	8.1	12.9
34	TBS	21.0	7.0	14.0
35	DISH	20.7	6.9	13.8
36	COM	21.4	7.7	13.7
37	CNBC	21.0	7.2	13.8
38	AMC	19.9	5.7	14.2
39	TLC	20.6	6.5	14.1
40	SPK	20.7	6.6	14.1
41	HLN	19.8	7.0	12.8
42	TWC	20.3	6.3	14.0
43	NICK	20.2	6.5	13.7
44	CORT	20.6	7.4	13.2
45	MSN	21.4	7.4	14.0
46	APL	20.8	7.8	13.0
47	LMN	21.7	7.5	14.2
48	VH1	21.3	7.1	14.2
49	SIFI	21.4	6.8	14.6
50	FOX5	20.8	7.1	13.7
51	GOLF	20.7	7.0	13.7
53	MTV	21.5	7.8	13.7
54	TVLN	20.6	7.1	13.5



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: RON
 Date: 02/16/04 Time: 05:05:02
 Description:

Serial #: 2381236
 File: 4MASSEY

Cal Date: 09/10/03
 DOS File: 4MASSEY

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55	OXY	20.6	7.2	13.4
56	HIST	21.6	8.4	13.2
57	DISN	21.4	7.6	13.8
58	FOXN	21.7	7.3	14.4
60	CSP2	20.8	6.9	13.9
61	WET	20.6	6.9	13.7
62	E	20.2	6.1	14.1
63	SOAP	20.3	6.4	13.9
64	SNBC	19.9	6.0	13.9
65	OLN	20.3	6.7	13.6
66	ESPC	19.8	5.1	14.7
67	TCM	19.5	5.3	14.2
68	FIT	19.3	5.0	14.3
69	CMT	19.3	5.1	14.2
70	NGEO	18.7	4.7	14.0
71	FX	19.2	5.8	13.4
72	INSP	18.6	4.9	13.7
73	HLMK	18.1	4.1	14.0
74	TRAV	18.5	5.2	13.3
75	TOON	19.0	4.5	14.5
76	HGTV	18.8	5.0	13.8
77	FOOD	18.0	4.8	13.2
78	UMC	18.0	4.1	13.9
98	TVG	20.3	6.9	13.4
116		17.8	5.0	12.8

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 116 Video = 17.8	Pass
Max Delta Video Level	15.0 dB	Ch 30 and 116, Delta = 4.5	Pass
Min Delta V/A	6.5 dB	Ch 9 Delta V/A = 12.5	Pass
Max Delta V/A	17.0 dB	Ch 7 Delta V/A = 15.3	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 30 and 31, Delta = 1.2	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: Ashford
 Date of Test: 2-13-04 Time: 6:03
 Tech(s) Performing Test: John Wooding

Highest Band Pass: 750MHz
 Test Point Number: 13
 Temperature: 31°
 Date Begun: 2-13-04

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer FSM	<u>SDA-5000</u>	<u>2381234</u>	<u>N/A</u>

Test Setup used: A 30 meter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour.

Date/Time	<u>2-13/6:03</u>	Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>	
	<u>2-13/12:09</u>	<u>2-13/17:58</u>	<u>2-13/23:56</u>

2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed).

Maximum Video Carrier Level	<u>17.7</u>	<u>12.7</u>	<u>13.1</u>	<u>13.3</u>
Minimum Video Carrier Level	<u>9.6</u>	<u>8.3</u>	<u>8.4</u>	<u>8.6</u>
Variation Highest & Lowest Video Levels	<u>8.1</u>	<u>4.4</u>	<u>4.7</u>	<u>4.7</u>

Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth 4.5 Was the specification met? Yes , No
 Justification for any variation in this requirement:

3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier.

Was the Specification Met? Yes , No

Justification for any variation in this requirement:

4. Video carriers are not allowed to vary more then 3 dB from any adjacent channel?:

Was this Specification Met? Yes , No

Justification for any variation greater than 3 dB:

5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop:

Was this Specification Met? Yes , No

Justification for any video level less then 3 dBmV:

6. During this 24 hour test all video carrier level changes must be less then 8 dB

Was this Specification Met? Yes , No

Justification for any variation greater then 8 dB: _____

Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test.

Was this Specification Met? Yes , No

Justification for any variation greater then 8 dB: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000

Serial #: 2381234

Cal Date: 08/08/03

Operator: ?

File: ASHFORD1

DOS File: ASHFORD1

Date: 02/13/04 Time: 06:03:18

Description:

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 30.9 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	10.2	-3.7	13.9
3	WRAL	9.6	-4.0	13.6
4	COMM	11.1	-2.9	14.0
5	WRAY	11.3	-1.9	13.2
6	WTVD	11.8	-1.9	13.7
98	TVG	11.0	-2.6	13.6
14	NC14	10.6	-3.1	13.7
15	HSN	11.2	-2.3	13.5
16	QVC	11.9	-1.5	13.4
18	GOV	12.0	-1.1	13.1
19	BET	12.1	-2.2	14.3
21	WGN	11.4	-1.8	13.2
22	WRPX	11.2	-2.1	13.3
7	HBC	11.8	-3.5	15.3
8	COMM	12.1	-1.9	14.0
9	WUNC	12.7	-0.9	13.6
10	WLFL	11.3	-2.2	13.5
11	WUVC	11.9	-1.8	13.7
12	WRDC	11.5	-2.6	14.1
13	WRAZ	11.8	-0.9	12.7
24	TRI	11.2	-2.3	13.5
25	USA	11.4	-2.1	13.5
26	TNT	11.0	-2.9	13.9
27	A+E	11.2	-2.6	13.8
28	FFAM	11.1	-3.1	14.2
29	CNN	11.9	-1.8	13.7
30	DISC	10.7	-1.7	12.4
31	ESPN	11.1	-1.8	12.9
32	ESP2	12.3	-1.1	13.4
33	LIFE	12.7	-0.6	13.3
34	TBS	11.8	-1.4	13.2
35	DISH	12.0	-1.3	13.3
36	COM	12.4	-1.3	13.7
37	CNBC	11.9	-1.4	13.3
38	AMC	11.5	-2.4	13.9
39	TLC	12.0	-1.8	13.8
40	SPK	12.4	-1.0	13.4
41	HLN	12.4	-1.2	13.6
42	TWC	13.3	0.2	13.1
43	NICK	12.4	-0.7	13.1
44	CORT	12.8	-0.6	13.4
45	MSN	13.0	0.2	12.8
46	APL	13.2	-0.3	13.5
47	LMN	13.0	-0.6	13.6
48	VH1	12.7	-0.6	13.3
49	SIFI	13.3	-1.1	14.4
50	FSN	13.4	0.5	12.9
51	GOLF	13.3	-0.1	13.4
53	MTV	13.8	0.7	13.1



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/13/04 Time: 06:03:18
 Description:

Serial #: 2381234
 File: ASHFORD1

Cal Date: 08/08/03
 DOS File: ASHFORD1

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	13.3	-0.4	13.7
55	OXY	13.3	0.3	13.0
56	HIST	13.8	0.7	13.1
57	DISN	13.8	0.3	13.5
58	FOXN	13.1	0.1	13.0
60	CSPA	12.9	-0.8	13.7
61	WETV	13.2	-0.5	13.7
62	E	13.3	-0.9	14.2
63	SOAP	13.1	0.1	13.0
64	SNBC	13.5	-0.2	13.7
65	OLN	13.6	0.5	13.1
66	ESPC	13.6	-0.3	13.9
67	TCM	13.6	0.0	13.6
68	FITT	14.1	0.7	13.4
69	CMT	13.8	0.3	13.5
70	NGEO	13.3	-0.3	13.6
71	FX	15.1	1.8	13.3
72	INSP	13.4	-0.1	13.5
73	HLMK	13.3	-0.7	14.0
74	TRAV	13.3	0.0	13.3
75	TOON	13.3	-0.2	13.5
76	HGTV	13.7	0.4	13.3
77	FOOD	12.6	0.2	12.4
78	UMC	14.1	0.5	13.6
116		17.7	4.3	13.4

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 9.6	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 116, Delta = 8.1	Pass
Min Delta V/A	6.5 dB	Ch 30 Delta V/A = 12.4	Pass
Max Delta V/A	17.0 dB	Ch 7 Delta V/A = 15.3	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 70 and 71, Delta = 1.8	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000

Serial #: 2381234

Cal Date: 08/08/03

Operator: ?

File: ASHFORD2

DOS File: ASHFORD2

Date: 02/13/04 Time: 12:09:03

Description:

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 50.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	8.3	-4.5	12.8
3	WRAL	9.4	-3.4	12.8
4	COMM	10.0	-3.7	13.7
5	WRAY	10.0	-2.8	12.8
6	WTVD	10.5	-3.0	13.5
98	TVG	9.6	-3.7	13.3
14	NC14	9.8	-3.8	13.6
15	HSN	10.1	-3.6	13.7
16	QVC	10.1	-3.3	13.4
18	GOV	11.1	-2.1	13.2
19	BET	10.4	-3.2	13.6
21	WGN	9.9	-3.1	13.0
22	WRPX	9.9	-3.8	13.7
7	HBC	10.5	-4.9	15.4
8	COMM	10.5	-3.7	14.2
9	WUNC	10.8	-2.7	13.5
10	WLFL	9.4	-3.8	13.2
11	WUVC	10.1	-3.3	13.4
12	WRDC	9.7	-4.2	13.9
13	WRAZ	9.5	-3.3	12.8
24	TRI	9.6	-3.8	13.4
25	USA	9.9	-3.5	13.4
26	TNT	9.5	-4.7	14.2
27	A+E	9.0	-4.3	13.3
28	FFAM	9.6	-4.7	14.3
29	CNN	9.7	-4.3	14.0
30	DISC	9.7	-3.3	13.0
31	ESPN	8.7	-3.9	12.6
32	ESP2	9.4	-3.9	13.3
33	LIFE	9.8	-3.4	13.2
34	TBS	9.7	-3.8	13.5
35	DISH	10.4	-3.1	13.5
36	COM	10.4	-3.1	13.5
37	CNBC	10.0	-3.0	13.0
38	AMC	9.8	-3.8	13.6
39	TLC	10.3	-3.9	14.2
40	SPK	10.6	-2.6	13.2
41	HLN	10.6	-2.9	13.5
42	TWC	11.5	-1.9	13.4
43	NICK	10.4	-3.2	13.6
44	CORT	11.0	-2.5	13.5
45	MSN	11.1	-1.7	12.8
46	APL	11.4	-2.0	13.4
47	LMN	11.3	-2.2	13.5
48	VH1	10.9	-2.5	13.4
49	SIFI	11.5	-3.0	14.5
50	FSN	11.0	-1.8	12.8
51	GOLF	11.7	-2.2	13.9
53	MTV	12.0	-1.3	13.3



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/13/04 Time: 12:09:03
 Description:

Serial #: 2381234
 File: ASHFORD2

Cal Date: 08/08/03
 DOS File: ASHFORD2

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	11.5	-2.3	13.8
55	OXY	11.1	-1.7	12.8
56	HIST	12.2	-0.9	13.1
57	DISN	11.6	-1.7	13.3
58	FOXN	11.4	-1.9	13.3
60	CSPA	11.8	-1.8	13.6
61	WETV	11.6	-1.8	13.4
62	E	11.4	-3.2	14.6
63	SOAP	11.0	-2.0	13.0
64	SNBC	11.8	-2.1	13.9
65	OLN	11.6	-1.4	13.0
66	ESPC	11.4	-2.2	13.6
67	TCM	11.5	-2.3	13.8
68	FITT	12.2	-1.4	13.6
69	CMT	11.8	-1.7	13.5
70	NGEO	11.5	-2.0	13.5
71	FX	12.1	-0.9	13.0
72	INSP	11.2	-2.3	13.5
73	HLMK	11.2	-2.8	14.0
74	TRAV	11.2	-2.2	13.4
75	TOON	11.0	-2.6	13.6
76	HGTV	11.5	-1.7	13.2
77	FOOD	10.2	-2.1	12.3
78	UMC	11.3	-1.7	13.0
116		12.7	-0.3	13.0

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 2 Video = 8.3	Pass
Max Delta Video Level	15.0 dB	Ch 2 and 116, Delta = 4.4	Pass
Min Delta V/A	6.5 dB	Ch 77 Delta V/A = 12.3	Pass
Max Delta V/A	17.0 dB	Ch 7 Delta V/A = 15.4	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 9 and 10, Delta = 1.4	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/13/04 Time: 17:58:54
 Description:

Serial #: 2381234
 File: ASHFORD3

Cal Date: 08/08/03
 DOS File: ASHFORD3

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 53.1 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	8.4	-4.3	12.7
3	WRAL	9.4	-3.3	12.7
4	COMM	9.9	-3.9	13.8
5	WRAY	10.2	-2.4	12.6
6	WTVD	10.7	-2.6	13.3
98	TVG	9.7	-3.5	13.2
14	NC14	9.7	-3.8	13.5
15	HSN	9.8	-3.3	13.1
16	QVC	10.2	-3.2	13.4
18	GOV	10.7	-2.3	13.0
19	BET	10.4	-2.9	13.3
21	WGN	9.9	-3.0	12.9
22	WRPX	10.2	-3.2	13.4
7	HBC	10.4	-4.7	15.1
8	COMM	10.5	-3.7	14.2
9	WUNC	11.2	-2.3	13.5
10	WLFL	9.6	-3.7	13.3
11	WUVC	10.3	-2.9	13.2
12	WRDC	9.8	-4.0	13.8
13	WRAZ	9.4	-3.3	12.7
24	TRI	9.6	-3.9	13.5
25	USA	9.9	-3.4	13.3
26	TNT	9.4	-4.5	13.9
27	A+E	8.9	-4.4	13.3
28	FFAM	9.5	-4.4	13.9
29	CNN	9.8	-4.0	13.8
30	DISC	9.4	-3.2	12.6
31	ESPN	8.7	-4.4	13.1
32	ESP2	9.2	-4.0	13.2
33	LIFE	9.6	-3.6	13.2
34	TBS	9.6	-3.6	13.2
35	DISH	10.5	-2.8	13.3
36	COM	10.5	-3.1	13.6
37	CNBC	9.9	-2.9	12.8
38	AMC	9.8	-3.8	13.6
39	TLC	10.1	-3.6	13.7
40	SPK	10.5	-2.8	13.3
41	HLN	10.4	-2.9	13.3
42	TWC	11.5	-1.7	13.2
43	NICK	10.3	-2.8	13.1
44	CORT	10.9	-2.4	13.3
45	MSN	11.2	-1.4	12.6
46	APL	11.4	-2.0	13.4
47	LMN	11.3	-1.9	13.2
48	VH1	10.9	-2.3	13.2
49	SIFI	11.5	-2.9	14.4
50	FSN	11.1	-1.7	12.8
51	GOLF	11.5	-2.0	13.5
53	MTV	12.1	-1.1	13.2



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/13/04 Time: 17:58:54
 Description:

Serial #: 2381234
 File: ASHFORD3

Cal Date: 08/08/03
 DOS File: ASHFORD3

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	11.5	-2.3	13.8
55	OXY	10.9	-1.8	12.7
56	HIST	12.4	-0.9	13.3
57	DISN	11.2	-1.7	12.9
58	FOXN	11.3	-2.0	13.3
60	CSPA	12.0	-1.8	13.8
61	WETV	11.3	-1.7	13.0
62	E	11.5	-3.0	14.5
63	SOAP	11.0	-1.6	12.6
64	SNBC	12.1	-1.9	14.0
65	OLN	11.4	-1.4	12.8
66	ESPC	11.2	-2.3	13.5
67	TCM	11.6	-2.1	13.7
68	FITT	12.3	-1.2	13.5
69	CMT	11.8	-1.7	13.5
70	NGEO	11.3	-1.8	13.1
71	FX	12.2	-1.1	13.3
72	INSP	11.3	-1.9	13.2
73	HLMK	11.6	-2.6	14.2
74	TRAV	10.9	-1.8	12.7
75	TOON	11.8	-2.2	14.0
76	HGTV	11.6	-1.2	12.8
77	FOOD	10.6	-2.0	12.6
78	UMC	11.6	-0.9	12.5
116		13.1	0.4	12.7

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 2 Video = 8.4	Pass
Max Delta Video Level	15.0 dB	Ch 2 and 116, Delta = 4.7	Pass
Min Delta V/A	6.5 dB	Ch 78 Delta V/A = 12.5	Pass
Max Delta V/A	17.0 dB	Ch 7 Delta V/A = 15.1	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 9 and 10, Delta = 1.6	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____

Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: JON_W
 Date: 02/13/04 Time: 23:56:16
 Description:

Serial #: 2381234
 File: ASHFORD4

Cal Date: 08/08/03
 DOS File: ASHFORD4

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 35.1 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	8.6	-4.2	12.8
3	WRAL	9.8	-2.8	12.6
4	COMM	10.6	-3.3	13.9
5	WRAY	10.5	-2.3	12.8
6	WTVB	11.1	-2.6	13.7
98	TVG	10.2	-2.9	13.1
14	NC14	9.8	-3.8	13.6
15	HSN	10.2	-3.1	13.3
16	QVC	10.5	-2.9	13.4
18	GOV	11.3	-1.8	13.1
19	BET	10.8	-2.5	13.3
21	WGN	10.5	-2.5	13.0
22	WRPX	10.3	-3.3	13.6
7	HBC	10.8	-4.4	15.2
8	COMM	10.9	-3.2	14.1
9	WUNC	11.3	-2.2	13.5
10	WLFL	9.9	-3.5	13.4
11	WUVC	10.6	-2.7	13.3
12	WRDC	10.2	-3.7	13.9
13	WRAZ	10.0	-2.7	12.7
24	TRI	10.1	-3.3	13.4
25	USA	10.4	-3.0	13.4
26	TNT	9.9	-4.0	13.9
27	A+E	9.4	-3.9	13.3
28	FFAM	10.0	-4.2	14.2
29	CNN	10.1	-3.7	13.8
30	DISC	10.1	-2.6	12.7
31	ESPN	9.1	-3.6	12.7
32	ESP2	9.6	-3.6	13.2
33	LIFE	10.4	-2.9	13.3
34	TBS	10.1	-3.1	13.2
35	DISH	10.7	-2.7	13.4
36	COM	11.3	-2.5	13.8
37	CNBC	10.7	-2.2	12.9
38	AMC	10.4	-3.4	13.8
39	TLC	10.5	-3.2	13.7
40	SPK	11.0	-2.2	13.2
41	HLN	11.0	-2.3	13.3
42	TWC	12.3	-1.2	13.5
43	NICK	11.0	-3.3	14.3
44	CORT	11.4	-2.0	13.4
45	MSN	11.8	-1.0	12.8
46	APL	12.0	-1.7	13.7
47	LMN	11.6	-1.7	13.3
48	VH1	11.3	-2.1	13.4
49	SIFI	11.9	-2.5	14.4
50	FSN	11.3	-1.4	12.7
51	GOLF	11.9	-1.8	13.7
53	MTV	12.6	-0.6	13.2



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: JON_W
 Date: 02/13/04 Time: 23:56:16
 Description:

Serial #: 2381234
 File: ASHFORD4

Cal Date: 08/08/03
 DOS File: ASHFORD4

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	12.1	-1.8	13.9
55	OXY	11.5	-1.1	12.6
56	HIST	13.0	-0.4	13.4
57	DISN	11.9	-1.1	13.0
58	FOXN	11.8	-1.6	13.4
60	CSPA	12.2	-1.5	13.7
61	WETV	11.8	-1.4	13.2
62	E	11.7	-2.8	14.5
63	SOAP	11.4	-1.4	12.8
64	SNBC	12.1	-1.8	13.9
65	OLN	11.9	-0.9	12.8
66	ESPC	11.9	-1.8	13.7
67	TCM	11.9	-1.9	13.8
68	FITT	12.3	-1.2	13.5
69	CMT	12.1	-1.5	13.6
70	NGEO	11.6	-1.5	13.1
71	FX	12.6	-0.8	13.4
72	INSP	11.5	-1.7	13.2
73	HLMK	11.5	-2.7	14.2
74	TRAV	11.4	-1.5	12.9
75	TOON	11.8	-2.2	14.0
76	HGTV	11.7	-1.2	12.9
77	FOOD	10.9	-1.8	12.7
78	UMC	11.5	-1.2	12.7
116		13.3	0.4	12.9

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 2 Video = 8.6	Pass
Max Delta Video Level	15.0 dB	Ch 2 and 116, Delta = 4.7	Pass
Min Delta V/A	6.5 dB	Ch 3 Delta V/A = 12.6	Pass
Max Delta V/A	17.0 dB	Ch 7 Delta V/A = 15.2	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 55 and 56, Delta = 1.5	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: Sprucepine Trl.
 Date of Test: 2-10-04 Time: 6:00 Am
 Tech(s) Performing Test: M. Fink

Highest Band Pass: 750 MHz
 Test Point Number: 14
 Temperature: 43°
 Date Begun: 2-10-04

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer	<u>NA</u>	<u>NA</u>	<u>NA</u>
FSM	<u>SDA-5000</u>	<u>3460202</u>	<u>N/A</u>

Test Setup used: A 30 meeter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour.

Date/Time	Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>			
	<u>2-10/18:08</u>	<u>2-10/23:11</u>	<u>2-11/6:01</u>	<u>2-11/11:51</u>

2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed).

Maximum Video Carrier Level	<u>13.7</u>	<u>13.8</u>	<u>13.6</u>	<u>13.9</u>
Minimum Video Carrier Level	<u>9.0</u>	<u>9.1</u>	<u>9.0</u>	<u>9.0</u>
Variation Highest & Lowest Video Levels	<u>4.7</u>	<u>4.7</u>	<u>4.6</u>	<u>4.9</u>
Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth	<u>4.5</u>			
Justification for any variation in this requirement:	Was the specification met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>			

3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier.

Justification for any variation in this requirement:

Was the Specification Met? Yes , No

4. Video carriers are not allowed to vary more then 3 dB from any adjacent channel?:

Justification for any variation greater than 3 dB:

Was this Specification Met? Yes , No

5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop:

Justification for any video level less then 3 dBmV:

Was this Specification Met? Yes , No

6. During this 24 hour test all video carrier level changes must be less then 8 dB

Justification for any variation greater then 8 dB: _____

Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test.

Justification for any variation greater then 8 dB: _____

Was this Specification Met? Yes , No



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/10/04 Time: 18:08:55
 Description:

Serial #: 3460202
 File: 1SPRUCEPINE

Cal Date: 03/10/03
 DOS File: 1SPRUCEPINE

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 43.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	9.7	-4.6	14.3
3	WRAL	9.4	-5.7	15.1
4	COMM	9.2	-5.0	14.2
5	WRAY	9.5	-4.7	14.2
6	WTVD	9.9	-3.9	13.8
98	TVG	10.1	-3.8	13.9
14	NC14	9.9	-3.6	13.5
15	HSN	10.4	-3.8	14.2
16	QVC	11.1	-2.2	13.3
18	GOV	11.0	-2.9	13.9
19	BET	10.5	-4.0	14.5
21	WGN	9.8	-4.9	14.7
22	WRPX	9.0	-4.0	13.0
7	HBC	10.7	-4.2	14.9
8	COMM	11.4	-2.4	13.8
9	WUNC	12.9	-1.3	14.2
10	WLFL	11.6	-3.6	15.2
11	WUVC	11.5	-2.2	13.7
12	WRDC	10.6	-3.2	13.8
13	WRAZ	11.7	-0.5	12.2
24	TRI	11.3	-1.1	12.4
25	USA	13.1	-0.6	13.7
26	TNT	12.6	-1.7	14.3
27	A+E	12.8	-1.3	14.1
28	FFAM	12.8	-1.2	14.0
29	CNN	13.6	-0.7	14.3
30	DISC	12.1	-0.8	12.9
31	ESPN	12.7	-1.3	14.0
32	ESP2	12.9	-1.3	14.2
33	LIFE	13.3	-0.8	14.1
34	TBS	10.9	-2.1	13.0
35	DISH	11.8	-2.0	13.8
36	COM	11.9	-2.2	14.1
37	CNBC	10.8	-2.8	13.6
38	AMC	11.0	-2.7	13.7
39	TLC	11.4	-3.2	14.6
40	SPK	11.7	-2.4	14.1
41	HLN	11.5	-2.5	14.0
42	TWC	12.8	-1.5	14.3
43	NICK	12.0	-1.5	13.5
44	CORT	11.7	-1.8	13.5
45	MSN	11.9	-1.0	12.9
46	APL	12.6	-1.5	14.1
47	LMN	12.6	-1.3	13.9
48	VH1	12.4	-1.5	13.9
49	SIFI	13.4	-1.7	15.1
50	FSN	13.3	0.0	13.3
51	GOLF	13.2	-1.1	14.3
53	MTV	13.1	-0.1	13.2



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/10/04 Time: 18:08:55
 Description:

Serial #: 3460202
 File: 1SPRUCEPINE

Cal Date: 03/10/03
 DOS File: 1SPRUCEPINE

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	13.4	-1.2	14.6
55	OXY	13.3	-0.4	13.7
56	HIST	13.3	-0.1	13.4
57	DISN	12.9	-0.2	13.1
58	FOXN	13.7	0.2	13.5
60	CSPA	12.6	-1.1	13.7
61	WETV	13.3	-0.6	13.9
62	E	13.3	-1.5	14.8
63	SOAP	13.6	-0.4	14.0
64	SNBC	13.6	-1.2	14.8
65	OLN	12.4	-0.8	13.2
66	ESPC	11.4	-1.9	13.3
67	TCM	11.8	-1.9	13.7
68	FITT	13.3	-1.1	14.4
69	CMT	12.1	-2.2	14.3
70	NGEO	12.0	-1.9	13.9
71	FX	13.0	0.3	12.7
72	INSP	12.6	-1.5	14.1
73	HLMK	12.7	-1.8	14.5
74	TRAV	12.9	-0.7	13.6
75	TOON	13.0	-0.6	13.6
76	HGTV	13.4	-0.2	13.6
77	FOOD	12.7	-0.2	12.9
78	UMC	13.7	-0.1	13.8
116		13.6	-0.8	14.4

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 22 Video = 9.0	Pass
Max Delta Video Level	15.0 dB	Ch 22 and 58, Delta = 4.7	Pass
Min Delta V/A	6.5 dB	Ch 13 Delta V/A = 12.2	Pass
Max Delta V/A	17.0 dB	Ch 10 Delta V/A = 15.2	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 33 and 34, Delta = 2.4	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/10/04 Time: 23:11:36
 Description:

Serial #: 3460202
 File: 2SPRUCEPINE

Cal Date: 03/10/03
 DOS File: 2SPRUCEPINE

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 39.9 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	9.7	-4.8	14.5
3	WRAL	9.3	-5.6	14.9
4	COMM	9.1	-5.1	14.2
5	WRAY	9.5	-4.9	14.4
6	WTVD	9.8	-3.9	13.7
98	TVG	9.9	-3.8	13.7
14	NC14	9.8	-3.2	13.0
15	HSN	10.6	-3.7	14.3
16	QVC	11.1	-2.3	13.4
18	GOV	10.9	-2.7	13.6
19	BET	10.3	-3.9	14.2
21	WGN	9.9	-4.9	14.8
22	WRPX	9.1	-3.6	12.7
7	HBC	10.9	-4.2	15.1
8	COMM	11.4	-2.3	13.7
9	WUNC	12.9	-1.3	14.2
10	WLFL	11.6	-3.9	15.5
11	WUVC	11.5	-2.3	13.8
12	WRDC	10.6	-2.4	13.0
13	WRAZ	11.8	-0.5	12.3
24	TRI	11.4	-1.1	12.5
25	USA	13.4	-0.3	13.7
26	TNT	12.6	-1.4	14.0
27	A+E	12.9	-1.4	14.3
28	FFAM	13.0	-1.8	14.8
29	CNN	13.6	-0.9	14.5
30	DISC	12.1	-0.8	12.9
31	ESPN	12.3	-0.7	13.0
32	ESP2	12.8	-1.3	14.1
33	LIFE	13.3	-1.1	14.4
34	TBS	11.1	-2.3	13.4
35	DISH	11.7	-1.9	13.6
36	COM	11.4	-2.0	13.4
37	CNBC	10.7	-2.6	13.3
38	AMC	10.9	-3.2	14.1
39	TLC	11.3	-2.8	14.1
40	SPK	11.3	-2.3	13.6
41	HLN	11.5	-2.2	13.7
42	TWC	12.4	-1.5	13.9
43	NICK	12.0	-1.9	13.9
44	CORT	11.6	-1.9	13.5
45	MSN	12.0	-0.8	12.8
46	APL	12.5	-1.3	13.8
47	LMN	12.7	-1.0	13.7
48	VH1	12.2	-1.8	14.0
49	SIFI	13.2	-2.0	15.2
50	FSN	13.1	0.2	12.9
51	GOLF	13.3	-0.6	13.9
53	MTV	13.4	0.1	13.3



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/10/04 Time: 23:11:36
 Description:

Serial #: 3460202
 File: 2SPRUCEPINE

Cal Date: 03/10/03
 DOS File: 2SPRUCEPINE

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	13.7	-1.3	15.0
55	OXY	13.4	-0.6	14.0
56	HIST	13.4	-0.1	13.5
57	DISN	12.9	-0.4	13.3
58	FOXN	13.3	-0.1	13.4
60	CSPA	12.8	-1.0	13.8
61	WETV	13.4	0.1	13.3
62	E	12.8	-1.1	13.9
63	SOAP	13.0	-0.3	13.3
64	SNBC	13.8	-1.3	15.1
65	OLN	13.0	-0.7	13.7
66	ESPC	11.9	-1.5	13.4
67	TCM	11.8	-1.5	13.3
68	FITT	13.2	-1.0	14.2
69	CMT	12.7	-1.9	14.6
70	NGEO	11.8	-1.8	13.6
71	FX	13.3	0.3	13.0
72	INSP	12.8	-1.2	14.0
73	HLMK	12.8	-1.8	14.6
74	TRAV	12.9	-0.9	13.8
75	TOON	13.0	-0.7	13.7
76	HGTV	13.5	-0.1	13.6
77	FOOD	12.6	-0.3	12.9
78	UMC	13.5	-0.1	13.6
116		13.3	-1.0	14.3

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 4 Video = 9.1	Pass
Max Delta Video Level	15.0 dB	Ch 4 and 64, Delta = 4.7	Pass
Min Delta V/A	6.5 dB	Ch 13 Delta V/A = 12.3	Pass
Max Delta V/A	17.0 dB	Ch 10 Delta V/A = 15.5	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 33 and 34, Delta = 2.2	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/11/04 Time: 06:01:54
 Description:

Serial #: 3460202
 File: 3SPRUCEPINE

Cal Date: 03/10/03
 DOS File: 3SPRUCEPINE

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 39.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	9.8	-4.8	14.6
3	WRAL	9.2	-5.8	15.0
4	COMM	9.2	-5.3	14.5
5	WRAY	9.4	-4.9	14.3
6	WTVB	9.9	-3.6	13.5
98	TVG	10.1	-3.8	13.9
14	NC14	9.7	-3.6	13.3
15	HSN	10.5	-3.8	14.3
16	QVC	11.3	-2.4	13.7
18	GOV	11.0	-3.1	14.1
19	BET	10.3	-3.9	14.2
21	WGN	9.9	-4.8	14.7
22	WRPX	9.0	-3.5	12.5
7	HBC	10.7	-4.1	14.8
8	COMM	11.6	-2.4	14.0
9	WUNC	12.9	-1.1	14.0
10	WLFL	11.5	-3.9	15.4
11	WUVC	11.2	-2.4	13.6
12	WRDC	10.9	-2.3	13.2
13	WRAZ	11.7	-0.7	12.4
24	TRI	11.3	-1.2	12.5
25	USA	13.2	-0.6	13.8
26	TNT	12.3	-1.6	13.9
27	A+E	12.8	-1.3	14.1
28	FFAM	12.8	-1.9	14.7
29	CNN	13.6	-0.7	14.3
30	DISC	12.2	-0.9	13.1
31	ESPN	12.5	-1.3	13.8
32	ESP2	13.0	-1.0	14.0
33	LIFE	13.0	-0.9	13.9
34	TBS	11.3	-1.9	13.2
35	DISH	11.5	-1.8	13.3
36	COM	11.5	-2.2	13.7
37	CNBC	10.9	-2.7	13.6
38	AMC	10.8	-3.3	14.1
39	TLC	11.4	-3.2	14.6
40	SPK	11.5	-2.1	13.6
41	HLN	11.6	-2.6	14.2
42	TWC	12.9	-1.5	14.4
43	NICK	11.6	-1.7	13.3
44	CORT	11.6	-2.0	13.6
45	MSN	11.9	-1.0	12.9
46	APL	12.4	-1.6	14.0
47	LMN	12.3	-1.1	13.4
48	VH1	11.9	-1.8	13.7
49	SIFI	13.3	-1.9	15.2
50	FSN	13.3	0.2	13.1
51	GOLF	13.2	-1.1	14.3
53	MTV	13.5	-0.1	13.6



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/11/04 Time: 06:01:54
 Description:

Serial #: 3460202
 File: 3SPRUCEPINE

Cal Date: 03/10/03
 DOS File: 3SPRUCEPINE

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	13.2	-1.3	14.5
55	OXY	13.5	-0.5	14.0
56	HIST	13.2	-0.1	13.3
57	DISN	12.7	-0.6	13.3
58	FOXN	13.3	-0.1	13.4
60	CSPA	12.6	-1.0	13.6
61	WETV	13.0	-0.4	13.4
62	E	12.8	-1.2	14.0
63	SOAP	13.1	-0.6	13.7
64	SNBC	13.5	-1.3	14.8
65	OLN	12.8	-1.1	13.9
66	ESPC	11.5	-1.5	13.0
67	TCM	11.6	-2.0	13.6
68	FITT	13.0	-1.1	14.1
69	CMT	12.0	-2.2	14.2
70	NGEO	12.0	-1.8	13.8
71	FX	13.0	0.4	12.6
72	INSP	12.5	-1.2	13.7
73	HLMK	12.6	-1.4	14.0
74	TRAV	13.1	-0.6	13.7
75	TOON	13.1	-0.7	13.8
76	HGTV	13.5	-0.2	13.7
77	FOOD	12.7	-0.4	13.1
78	UMC	13.4	-0.2	13.6
116		13.6	-0.9	14.5

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 22 Video = 9.0	Pass
Max Delta Video Level	15.0 dB	Ch 22 and 29, Delta = 4.6	Pass
Min Delta V/A	6.5 dB	Ch 13 Delta V/A = 12.4	Pass
Max Delta V/A	17.0 dB	Ch 10 Delta V/A = 15.4	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 24 and 25, Delta = 1.9	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/11/04 Time: 11:51:29
 Description:

Serial #: 3460202
 File: 4SPRUCEPINE

Cal Date: 03/10/03
 DOS File: 4SPRUCEPINE

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 45.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	9.8	-4.7	14.5
3	WRAL	9.1	-5.8	14.9
4	COMM	9.1	-5.1	14.2
5	WRAY	9.5	-4.8	14.3
6	WTVR	9.6	-4.0	13.6
98	TVG	9.9	-3.8	13.7
14	NC14	9.7	-3.6	13.3
15	HSN	10.4	-3.6	14.0
16	QVC	11.1	-2.4	13.5
18	GOV	10.8	-3.2	14.0
19	BET	10.3	-4.1	14.4
21	WGN	9.8	-5.0	14.8
22	WRPX	9.0	-3.9	12.9
7	HBC	11.1	-4.2	15.3
8	COMM	11.6	-2.4	14.0
9	WUNC	12.7	-1.5	14.2
10	WLFL	11.4	-4.0	15.4
11	WUVC	11.1	-2.5	13.6
12	WRDC	10.6	-3.4	14.0
13	WRAZ	11.8	-0.5	12.3
24	TRI	11.2	-1.0	12.2
25	USA	12.9	0.0	12.9
26	TNT	12.2	-1.7	13.9
27	A+E	12.9	-1.4	14.3
28	FFAM	12.8	-1.9	14.7
29	CNN	13.4	-0.8	14.2
30	DISC	12.3	-1.0	13.3
31	ESPN	12.3	-1.2	13.5
32	ESP2	12.7	-0.7	13.4
33	LIFE	13.1	-0.6	13.7
34	TBS	11.0	-2.2	13.2
35	DISH	11.8	-2.0	13.8
36	COM	11.4	-2.4	13.8
37	CNBC	10.8	-2.8	13.6
38	AMC	11.0	-3.0	14.0
39	TLC	11.3	-3.2	14.5
40	SPK	11.9	-2.3	14.2
41	HLN	11.9	-2.1	14.0
42	TWC	12.9	-1.2	14.1
43	NICK	11.9	-1.9	13.8
44	CORT	11.8	-1.9	13.7
45	MSN	12.0	-0.9	12.9
46	APL	12.7	-1.5	14.2
47	LMN	12.6	-0.9	13.5
48	VH1	11.8	-1.5	13.3
49	SIFI	13.4	-1.9	15.3
50	FSN	13.3	0.2	13.1
51	GOLF	13.4	-0.4	13.8
53	MTV	13.1	0.2	12.9



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/11/04 Time: 11:51:29
 Description:

Serial #: 3460202
 File: 4SPRUCEPINE

Cal Date: 03/10/03
 DOS File: 4SPRUCEPINE

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	13.5	-1.3	14.8
55	OXY	13.4	-0.5	13.9
56	HIST	13.7	0.0	13.7
57	DISN	13.0	-0.3	13.3
58	FOXN	13.6	-0.4	14.0
60	CSPA	12.6	-1.0	13.6
61	WETV	13.1	-0.3	13.4
62	E	12.7	-1.3	14.0
63	SOAP	13.5	-0.6	14.1
64	SNBC	13.6	-1.4	15.0
65	OLN	12.6	-1.0	13.6
66	ESPC	11.5	-1.5	13.0
67	TCM	11.6	-1.9	13.5
68	FITT	13.1	-1.1	14.2
69	CMT	12.4	-2.1	14.5
70	NGEO	12.0	-1.8	13.8
71	FX	13.0	0.5	12.5
72	INSP	12.2	-0.9	13.1
73	HLMK	13.3	-1.5	14.8
74	TRAV	13.1	-0.7	13.8
75	TOON	13.2	-0.8	14.0
76	HGTV	13.7	-0.1	13.8
77	FOOD	12.8	-0.2	13.0
78	UMC	13.7	0.0	13.7
116		13.9	-0.7	14.6

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 22 Video = 9.0	Pass
Max Delta Video Level	15.0 dB	Ch 22 and 116, Delta = 4.9	Pass
Min Delta V/A	6.5 dB	Ch 24 Delta V/A = 12.2	Pass
Max Delta V/A	17.0 dB	Ch 10 Delta V/A = 15.4	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 22 and 7, Delta = 2.1	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			PASS

Reviewed: _____ Date: _____

Test 3 - Signal Levels and Level Variations Test

Summary Page 1 of 1

System Name: Durham
 Test Point Location: Newhope
 Date of Test: 2-13-04 Time: 6:03
 Tech(s) Performing Test: Pat Dobson

Highest Band Pass: 750MHz
 Test Point Number: 15
 Temperature: 31°
 Date Begun: 2-13-04

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer FSM	<u>SDA-5000</u>	<u>3460202</u>	<u>N/A</u>

Test Setup used: A 30 meeter (98.45 foot) cable drop from the test point is fed into the Field Strength Meter or Spectrum Analyzer. Audio and video carrier levels are measured, before the channel selector, to determine the extent to which the standard is met. All levels are measured and recorded every 6 hours +/- 1 hour. The time and temperature of each measurement is also recorded. The measurements are made on each NTSC channel.

Minimum Specifications: The five specifications listed here are "Proofed" by this test:

1. All levels are to be measured and recorded ever 6 hours +/- 1 hour.		Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Date/Time	<u>2-13 16:03</u> <u>2-13/11:58</u> <u>2-13/17:59</u>	<u>1</u>
2. The Visual Carrier Level cannot vary more then 10 dB from any visual carrier on the cable television system of up to 300 MHz of forward bandwidth. (For system having a forward bandwidth greater than 300 MHz 1 additional dB per 100 MHz of forward bandwidth is allowed).		
Maximum Video Carrier Level	<u>15.9</u> <u>13.9</u> <u>14.5</u> <u>17.5</u>	
Minimum Video Carrier Level	<u>11.3</u> <u>10.4</u> <u>10.8</u> <u>11.6</u>	
Variation Highest & Lowest Video Levels	<u>4.6</u> <u>3.5</u> <u>3.7</u> <u>5.9</u>	
Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth	<u>14.5</u>	Was the specification met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Justification for any variation in this requirement:		
3. All audio carrier levels are to be maintained less then 6.5 dB below the video carrier but not more then 17 dB below the video carrier.		
Justification for any variation in this requirement:		Was the Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
4. Video carriers are not allowed to very more then 3 dB from any adjacent channel?:		
Justification for any variation greater than 3 dB:		Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
5. All video carriers must maintain a level greater then 3 dBmV at the end of a 100 foot drop:		
Justification for any video level less then 3 dBmV:		Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
6. During this 24 hour test all video carrier level changes must be less then 8 dB		
Justification for any variation greater then 8 dB:		Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>
Video carrier levels are not allowed to change more then 8 dB from the measurement made in the last 24 hour test.		
Justification for any variation greater then 8 dB:		Was this Specification Met? Yes <input checked="" type="checkbox"/> , No <input type="checkbox"/>



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/13/04 Time: 06:03:13
 Description:

Serial #: 3460202
 File: 1NEWHOPETL

Cal Date: 03/10/03
 DOS File: 1NEWHOPETL

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 30.9 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	12.3	-2.8	15.1
3	WRAL	11.3	-3.0	14.3
4	COMM	12.3	-2.6	14.9
5	WRAY	11.8	-1.9	13.7
6	WTVB	12.5	-1.6	14.1
7	HBC	12.3	-4.0	16.3
8	COMM	11.9	-2.2	14.1
9	WUNC	13.3	-0.6	13.9
10	WLFL	12.3	-1.4	13.7
11	WUVC	14.0	-0.4	14.4
12	WRDC	13.5	-1.1	14.6
13	WRAZ	13.5	0.4	13.1
14	NC14	11.6	-2.3	13.9
15	HSN	12.2	-2.0	14.2
16	QVC	12.6	-1.2	13.8
18	GOV	12.9	-0.8	13.7
19	BET	13.3	-1.7	15.0
21	WGN	12.6	-1.2	13.8
22	WRPX	12.7	-1.7	14.4
24	TRI	13.3	-0.6	13.9
25	USA	14.1	0.4	13.7
26	TNT	13.7	-0.6	14.3
27	A+E	14.0	-0.5	14.5
28	FFAM	14.1	-0.7	14.8
29	CNN	14.7	-0.1	14.8
30	DISC	13.3	-0.2	13.5
31	ESPN	13.4	-0.1	13.5
32	ESP2	14.4	0.3	14.1
33	LIFE	14.9	1.0	13.9
34	TBS	13.9	0.1	13.8
35	DISH	14.2	0.1	14.1
36	COM	14.4	0.2	14.2
37	CNBC	13.9	-0.1	14.0
38	AMC	13.4	-1.1	14.5
39	TLC	13.9	-0.9	14.8
40	SPK	13.8	0.2	13.6
41	HLN	14.2	0.0	14.2
42	TWC	14.8	0.6	14.2
43	NICK	13.8	0.4	13.4
44	CORT	14.0	0.1	13.9
45	MSN	14.0	0.4	13.6
46	APL	14.6	0.4	14.2
47	LMN	14.2	0.1	14.1
48	VH1	13.7	0.0	13.7
49	SIFI	14.7	-0.5	15.2
50	FSN	14.7	1.3	13.4
51	GOLF	14.7	0.9	13.8
53	MTV	15.8	1.4	14.4
54	TVLN	14.6	0.5	14.1



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/13/04 Time: 06:03:13
 Description:

Serial #: 3460202
 File: 1NEWHOPETL

Cal Date: 03/10/03
 DOS File: 1NEWHOPETL

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55	OXY	14.8	1.0	13.8
56	HIST	15.1	1.4	13.7
57	DISN	14.9	1.0	13.9
58	FOXN	14.5	1.0	13.5
60	CSPA	13.8	-0.5	14.3
61	WETV	13.9	0.6	13.3
62	E	14.2	-0.6	14.8
63	SOAP	14.2	0.6	13.6
64	SNBC	14.8	0.3	14.5
65	OLN	14.6	0.9	13.7
66	ESPC	14.5	0.4	14.1
67	TCM	14.7	0.1	14.6
68	FITT	15.3	0.9	14.4
69	CMT	14.3	0.4	13.9
70	NGEO	14.2	0.2	14.0
71	FX	15.9	3.0	12.9
72	INSP	14.4	0.6	13.8
73	HLMK	14.6	0.4	14.2
74	TRAV	15.4	1.4	14.0
75	TOON	14.9	0.7	14.2
76	HGTV	14.9	1.2	13.7
77	FOOD	14.7	1.0	13.7
78	UMC	15.5	1.1	14.4
98	TVG	11.7	-2.3	14.0
116		15.3	1.0	14.3

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 3 Video = 11.3	Pass
Max Delta Video Level	15.0 dB	Ch 3 and 71, Delta = 4.6	Pass
Min Delta V/A	6.5 dB	Ch 71 Delta V/A = 12.9	Pass
Max Delta V/A	17.0 dB	Ch 7 Delta V/A = 16.3	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 10 and 11, Delta = 1.7	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/13/04 Time: 11:58:30
 Description:

Serial #: 3460202
 File: 2NEWHOPE__

Cal Date: 03/10/03
 DOS File: 2NEWHOPE__

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 50.0 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	10.6	-3.0	13.6
3	WRAL	11.1	-2.2	13.3
4	COMM	11.3	-3.1	14.4
5	WRAY	10.9	-2.2	13.1
6	WTVD	11.4	-2.1	13.5
7	HBC	11.3	-4.6	15.9
8	COMM	11.7	-2.6	14.3
9	WUNC	12.3	-1.6	13.9
10	WLFL	11.2	-2.2	13.4
11	WUVC	12.2	-1.5	13.7
12	WRDC	11.9	-2.3	14.2
13	WRAZ	11.8	-0.9	12.7
14	NC14	10.5	-2.7	13.2
15	HSN	11.2	-2.8	14.0
16	QVC	11.2	-2.5	13.7
18	GOV	12.0	-1.7	13.7
19	BET	11.3	-2.7	14.0
21	WGN	11.2	-2.0	13.2
22	WRPX	11.3	-2.6	13.9
24	TRI	12.1	-1.1	13.2
25	USA	12.9	-0.9	13.8
26	TNT	12.5	-1.7	14.2
27	A+E	11.7	-1.5	13.2
28	FFAM	12.7	-1.9	14.6
29	CNN	12.3	-1.9	14.2
30	DISC	12.0	-1.2	13.2
31	ESPN	11.6	-1.8	13.4
32	ESP2	11.8	-2.0	13.8
33	LIFE	12.1	-1.3	13.4
34	TBS	12.4	-1.3	13.7
35	DISH	12.4	-0.7	13.1
36	COM	13.1	-0.8	13.9
37	CNBC	12.4	-1.3	13.7
38	AMC	12.1	-2.2	14.3
39	TLC	12.4	-2.0	14.4
40	SPK	12.3	-0.8	13.1
41	HLN	12.0	-1.7	13.7
42	TWC	13.3	-0.8	14.1
43	NICK	11.9	-1.8	13.7
44	CORT	12.5	-1.2	13.7
45	MSN	12.6	-0.5	13.1
46	APL	13.2	-0.8	14.0
47	LMN	13.2	-0.7	13.9
48	VH1	12.3	-1.2	13.5
49	SIFI	12.9	-1.6	14.5
50	FSN	12.6	-0.4	13.0
51	GOLF	13.5	-0.3	13.8
53	MTV	13.9	0.6	13.3
54	TVLN	13.6	-0.1	13.7



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/13/04 Time: 11:58:30
 Description:

Serial #: 3460202
 File: 2NEWHOPE__

Cal Date: 03/10/03
 DOS File: 2NEWHOPE__

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55	OXY	13.2	-0.2	13.4
56	HIST	13.9	0.6	13.3
57	DISN	13.1	-0.4	13.5
58	FOXN	13.0	-0.7	13.7
60	CSPA	13.4	-0.8	14.2
61	WETV	13.1	-0.4	13.5
62	E	13.0	-1.5	14.5
63	SOAP	12.7	-0.5	13.2
64	SNBC	13.5	-1.0	14.5
65	OLN	13.4	-0.2	13.6
66	ESPC	12.8	-0.9	13.7
67	TCM	12.6	-1.4	14.0
68	FITT	13.2	-0.2	13.4
69	CMT	12.9	-0.8	13.7
70	NGEO	13.1	-0.6	13.7
71	FX	13.4	0.7	12.7
72	INSP	13.3	-0.3	13.6
73	HLMK	13.6	-0.4	14.0
74	TRAV	13.9	0.1	13.8
75	TOON	13.6	-0.3	13.9
76	HGTV	13.8	0.0	13.8
77	FOOD	12.5	-0.3	12.8
78	UMC	13.0	-0.1	13.1
98	TVG	10.4	-2.4	12.8
116		12.1	-2.1	14.2

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 98 Video = 10.4	Pass
Max Delta Video Level	15.0 dB	Ch 98 and 53, Delta = 3.5	Pass
Min Delta V/A	6.5 dB	Ch 13 Delta V/A = 12.7	Pass
Max Delta V/A	17.0 dB	Ch 7 Delta V/A = 15.9	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 42 and 43, Delta = 1.4	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/13/04 Time: 17:59:31
 Description:

Serial #: 3460202
 File: 3NEWHOPETL

Cal Date: 03/10/03
 DOS File: 3NEWHOPETL

Location: ?
 Location Type: Undefined
 Area:
 Test Pnt Type: None
 Test Pnt Comp: 0.0
 AC Voltage: 0

AmpID:
 Power Cfg: IN
 Feeder Maker Cfg: 1
 Trunk Term: NO
 Voltage Setting: LOW
 DC Voltage (reg): 0.0

Reverse Pad: 0.0
 Forward Pad: 0.0
 Rev Equalizer: 0.0
 Fwd Equalizer: 0.0
 Temp: 53.1 F
 DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	10.9	-2.9	13.8
3	WRAL	11.5	-1.9	13.4
4	COMM	11.0	-3.1	14.1
5	WRAY	11.1	-2.0	13.1
6	WTVD	11.8	-1.7	13.5
7	HBC	11.6	-2.5	14.1
8	COMM	12.0	-2.1	14.1
9	WUNC	12.9	-1.2	14.1
10	WLFL	11.2	-2.3	13.5
11	WUVC	12.3	-1.0	13.3
12	WRDC	12.2	-1.8	14.0
13	WRAZ	11.6	-0.9	12.5
14	NC14	10.9	-2.4	13.3
15	HSN	11.5	-2.2	13.7
16	QVC	11.2	-2.3	13.5
18	GOV	11.9	-1.3	13.2
19	BET	12.1	-1.6	13.7
21	WGN	10.9	-2.4	13.3
22	WRPX	11.5	-2.1	13.6
24	TRI	12.1	-1.3	13.4
25	USA	13.0	-0.3	13.3
26	TNT	12.8	-1.3	14.1
27	A+E	12.2	-1.3	13.5
28	FFAM	13.0	-1.3	14.3
29	CNN	12.8	-1.5	14.3
30	DISC	12.3	-0.9	13.2
31	ESPN	11.6	-1.5	13.1
32	ESP2	12.1	-1.7	13.8
33	LIFE	12.2	-0.5	12.7
34	TBS	12.1	-0.2	12.3
35	DISH	12.9	-0.5	13.4
36	COM	13.0	-0.6	13.6
37	CNBC	12.3	-0.9	13.2
38	AMC	12.3	-1.9	14.2
39	TLC	12.6	-1.5	14.1
40	SPK	12.7	-0.4	13.1
41	HLN	12.3	-1.6	13.9
42	TWC	13.5	-0.3	13.8
43	NICK	12.3	-1.4	13.7
44	CORT	12.5	-0.6	13.1
45	MSN	12.7	-0.2	12.9
46	APL	13.5	-0.4	13.9
47	LMN	13.4	-0.6	14.0
48	VH1	13.1	-0.7	13.8
49	SIFI	13.1	-1.3	14.4
50	FSN	13.1	0.2	12.9
51	GOLF	13.9	0.1	13.8
53	MTV	14.2	1.1	13.1
54	TVLN	13.9	-0.1	14.0



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/13/04 Time: 17:59:31
 Description:

Serial #: 3460202
 File: 3NEWHOPETL

Cal Date: 03/10/03
 DOS File: 3NEWHOPETL

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55	OXY	13.6	0.3	13.3
56	HIST	14.5	1.1	13.4
57	DISN	13.6	0.3	13.3
58	FOXN	13.5	-0.2	13.7
60	CSPA	13.7	0.0	13.7
61	WETV	13.9	0.2	13.7
62	E	13.9	-1.3	15.2
63	SOAP	13.4	0.1	13.3
64	SNBC	13.9	-0.3	14.2
65	OLN	13.8	0.1	13.7
66	ESPC	13.0	-0.8	13.8
67	TCM	13.5	-0.6	14.1
68	FITT	14.2	0.6	13.6
69	CMT	13.3	-0.3	13.6
70	NGEO	13.2	-0.2	13.4
71	FX	14.3	1.1	13.2
72	INSP	13.6	0.2	13.4
73	HLMK	14.5	0.4	14.1
74	TRAV	14.0	0.4	13.6
75	TOON	13.9	-0.2	14.1
76	HGTV	14.2	0.5	13.7
77	FOOD	13.1	0.2	12.9
78	UMC	13.8	0.8	13.0
98	TVG	10.8	-2.6	13.4
116		12.2	-1.7	13.9

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 98 Video = 10.8	Pass
Max Delta Video Level	15.0 dB	Ch 98 and 56, Delta = 3.7	Pass
Min Delta V/A	6.5 dB	Ch 34 Delta V/A = 12.3	Pass
Max Delta V/A	17.0 dB	Ch 62 Delta V/A = 15.2	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 9 and 10, Delta = 1.7	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/14/04 Time: 00:12:42
 Description:

Serial #: 3460202
 File: 4NEWHOPETL

Cal Date: 03/10/03
 DOS File: 4NEWHOPETL

Location: ?	AmpID:	Reverse Pad: 0.0
Location Type: Undefined	Power Cfg: IN	Forward Pad: 0.0
Area:	Feeder Maker Cfg: 1	Rev Equalizer: 0.0
Test Pnt Type: None	Trunk Term: NO	Fwd Equalizer: 0.0
Test Pnt Comp: 0.0	Voltage Setting: LOW	Temp: 35.1 F
AC Voltage: 0	DC Voltage (reg): 0.0	DC Voltage (unreg): 0.0

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
2	WNCN	11.6	-1.9	13.5
3	WRAL	11.9	-1.2	13.1
4	COMM	12.6	-2.1	14.7
5	WRAY	12.0	-0.6	12.6
6	WTVB	12.9	-0.8	13.7
7	HBC	13.8	-1.1	14.9
8	COMM	14.0	-0.7	14.7
9	WUNC	14.7	0.3	14.4
10	WLFL	12.9	-0.2	13.1
11	WUVC	14.4	0.6	13.8
12	WRDC	14.2	-0.2	14.4
13	WRAZ	13.8	0.8	13.0
14	NC14	12.4	-1.1	13.5
15	HSN	12.7	-0.8	13.5
16	QVC	12.8	-0.8	13.6
18	GOV	13.5	0.1	13.4
19	BET	13.7	-0.2	13.9
21	WGN	12.6	-0.6	13.2
22	WRPX	13.2	-0.5	13.7
24	TRI	14.4	0.8	13.6
25	USA	14.8	1.5	13.3
26	TNT	14.7	0.6	14.1
27	A+E	14.0	1.0	13.0
28	FFAM	15.0	0.6	14.4
29	CNN	14.9	0.4	14.5
30	DISC	14.5	1.5	13.0
31	ESPN	13.4	0.7	12.7
32	ESP2	13.8	0.6	13.2
33	LIFE	14.5	1.3	13.2
34	TBS	14.8	0.9	13.9
35	DISH	15.4	1.7	13.7
36	COM	15.3	1.6	13.7
37	CNBC	14.9	1.3	13.6
38	AMC	14.8	0.5	14.3
39	TLC	14.9	0.5	14.4
40	SPK	15.5	1.3	14.2
41	HLN	15.3	0.9	14.4
42	TWC	15.9	2.1	13.8
43	NICK	14.9	1.0	13.9
44	CORT	14.8	1.7	13.1
45	MSN	15.3	2.4	12.9
46	APL	15.9	2.2	13.7
47	LMN	15.8	2.1	13.7
48	VH1	15.4	1.9	13.5
49	SIFI	15.9	1.5	14.4
50	FSN	15.3	2.6	12.7
51	GOLF	16.5	2.7	13.8
53	MTV	17.1	3.4	13.7
54	TVLN	16.7	2.7	14.0



TIME WARNER
 708 E CLUB BLVD
 DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: MIKE-FINCH
 Date: 02/14/04 Time: 00:12:42
 Description:

Serial #: 3460202
 File: 4NEWHOPETL

Cal Date: 03/10/03
 DOS File: 4NEWHOPETL

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
55	OXY	16.5	3.0	13.5
56	HIST	17.2	3.9	13.3
57	DISN	16.5	2.9	13.6
58	FOXN	16.6	2.7	13.9
60	CSPA	16.5	2.6	13.9
61	WETV	16.4	3.5	12.9
62	E	16.2	1.5	14.7
63	SOAP	16.2	3.1	13.1
64	SNBC	17.0	2.5	14.5
65	OLN	16.7	3.3	13.4
66	ESPC	16.3	2.1	14.2
67	TCM	16.3	2.3	14.0
68	FITT	17.4	3.5	13.9
69	CMT	16.5	2.9	13.6
70	NGEO	16.6	2.9	13.7
71	FX	17.2	4.4	12.8
72	INSP	17.0	3.5	13.5
73	HLMK	17.4	3.5	13.9
74	TRAV	17.3	3.4	13.9
75	TOON	17.2	3.0	14.2
76	HGTV	17.5	3.6	13.9
77	FOOD	16.4	3.2	13.2
78	UMC	17.1	3.6	13.5
98	TVG	11.9	-1.3	13.2
116		16.3	2.2	14.1

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 2 Video = 11.6	Pass
Max Delta Video Level	15.0 dB	Ch 2 and 76, Delta = 5.9	Pass
Min Delta V/A	6.5 dB	Ch 5 Delta V/A = 12.6	Pass
Max Delta V/A	17.0 dB	Ch 7 Delta V/A = 14.9	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 9 and 10, Delta = 1.8	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____



TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

Model: SDA-5000
 Operator: ?
 Date: 02/13/04 Time: 12:09:03
 Description:

Serial #: 2381234
 File: ASHFORD2

Cal Date: 08/08/03
 DOS File: ASHFORD2

Chan	Label	Video (dBmV)	Audio (dBmV)	Delta V/A (dB)
54	TVLN	11.5	-2.3	13.8
55	OXY	11.1	-1.7	12.8
56	HIST	12.2	-0.9	13.1
57	DISN	11.6	-1.7	13.3
58	FOXN	11.4	-1.9	13.3
60	CSPA	11.8	-1.8	13.6
61	WETV	11.6	-1.8	13.4
62	E	11.4	-3.2	14.6
63	SOAP	11.0	-2.0	13.0
64	SNBC	11.8	-2.1	13.9
65	OLN	11.6	-1.4	13.0
66	ESPC	11.4	-2.2	13.6
67	TCM	11.5	-2.3	13.8
68	FITT	12.2	-1.4	13.6
69	CMT	11.8	-1.7	13.5
70	NGEO	11.5	-2.0	13.5
71	FX	12.1	-0.9	13.0
72	INSP	11.2	-2.3	13.5
73	HLMK	11.2	-2.8	14.0
74	TRAV	11.2	-2.2	13.4
75	TOON	11.0	-2.6	13.6
76	HGTV	11.5	-1.7	13.2
77	FOOD	10.2	-2.1	12.3
78	UMC	11.3	-1.7	13.0
116		12.7	-0.3	13.0

LIMIT CHECK	Limit	Actual	
Min Video Carrier Level	3.0 dBmV	Ch 2 Video = 8.3	Pass
Max Delta Video Level	15.0 dB	Ch 2 and 116, Delta = 4.4	Pass
Min Delta V/A	6.5 dB	Ch 77 Delta V/A = 12.3	Pass
Max Delta V/A	17.0 dB	Ch 7 Delta V/A = 15.4	Pass
Max Delta Adjacent Chan	3.0 dB	Ch 9 and 10, Delta = 1.4	Pass
Min Digital Level	-7.0 dBmV	No data	Pass
Max Digital Level	8.0 dBmV	No data	Pass
Conclusion:			P A S S

Reviewed: _____ Date: _____