101 Innovation Avenue
Suite 100
Morrisville, NC 27560

TIME WARNER CABLE

March 31, 2004

Mr. W. Calvin Horton
Town Manager
Town of Chapel Hill
306 N. Columbia Street
Chapel Hill, NC 27516-2124

Subject: Annual report of CATV system performance

Dear Mr. Horton:

The current franchise agreement between the Town of Chapel Hill and Time Warner Cable under section 10-107 requires that Time Warner Cable provide certification of performance of the cable television system.

The Plant Department of Time Warner Cable performs regular tests on the cable system at designated test locations to assure delivery of quality, service to our customers. The testing is done in conformance with generally accepted testing procedures. The items tested are similar to those listed in section 10-100 of the franchise under the heading of Technical Performance Goals. In addition, Time Warner Cable is also required to provide certification to the Federal Communications Commission that the system meets the requirements of the FCC as related to cumulative leakage, and other technical requirements related to signal off-sets, and carrier frequency specifications.

A recent review of the test data (copy attached) and filings with the FCC indicate that Time Warner Cable is meeting the technical performance standards required by the Federal Communications Commission and the Franchise Agreement with the Town of Chapel Hill.

Sincerely,

Kim Reid
Senior Director of Engineering
Time Warner Cable

CONTENTS PAGE

FCC minimum of 51 dB. (For coherent channel systems calculations have shown the minimum delivered by the system must be 47.5 dB.) As a result, and in an attempt to verify the system performance rather then channel selector performance, Carrier-To-Coherent Disturbance will be measured at the end of a 30 meeter (98.46 foot) cable drop at all field test points and will be better then 52 dB (48 dB for Coherent channel systems). This test will also be performed at the Headend test point as well.

Hum Modulation
Reference Rule: 47 CFR, Part 76.605(a)(11), & 76.601(c)(2)
Results "Proofing" this specification can be found in Section 2
Hum Modulation, peak-to-peak variation in visual signal level caused by undesired low frequency disturbances generated within the system, is not to exceed 3 percent of the visual signal level. Because such low frequency disturbances are not normally frequency dependent this test need only be completed on one low frequency channel and one high frequency channel at each test point.

Channel Frequency Response
Reference Rule: 47 CFR, Part 76.605(a)(7), & 76.601(c)(2)
Results "Proofing" this specification can be found in Section 4
The NTSC analog in channel frequency response as measured at the subscriber terminal, will be +/- 2 dB from .75 MHz to 5 MHz above the lower channel boundary. This test must be made on a minimum of four channels plus one additional channel for every 100 MHz, or fraction thereof, of forward bandwidth. This measurement will be made at each test point before the channel selector. Beginning December 30, 1999 this measurement must be made after the channel selector.

Audio Carrier Level
Reference Rule: 47 CFR, Part 76.605(a)(6), & 76.601(c)(2)
Results "Proofing" this specification can be found in Section 3
Each NTSC channel's Audio Carrier is to be maintained 6.5 to 17 dB below the channel's video carrier, and shall be maintained at levels not to cause interference to the upper adjacent channel. This measurement is to be made at each test point, and at the Headend test point.

Visual Carrier Level Variations
Reference Rule(s): 47 CFR, Part 76.605(a)(5), & 76.601(c)(4), 76.601(c)(3)
Results "Proofing" this specification can be found in Section 3
The Visual Carrier level of each NTSC channel is to be at least 3 dBmV as measured at the end of a 100 foot drop attached to a "normal subscriber's tap", and at least 0 dBmV at the subscriber terminal. Maximum signal level at the subscriber terminal will be such as not to overload the device. The visual carrier is not to vary in level more than 8 dB within any 6 month interval which must include four tests performed in a 24 hour period in January or February and a 24 hour period in July or August. Additionally, the Visual Carrier Level cannot vary more than 3 dB from any visual carrier within 6 MHz, and 10 dB from ANY visual carrier on the cable

Terminal Isolation

Reference Rule: 47 CFR, Part 76.605(a)(10), & 76.601(c)(2), & 76.609(g)

Results "Proofing" this specification can be found in Section 6

At least 18 dB of Terminal Isolation must be provided between tap ports. As provided in the rule, copies of the manufacture's specifications are provided in lieu of actual testing.

EAS System Operation

Reference Rule: 47 CFR, Part 11

Results "Proofing" this specification can be found in Section 7

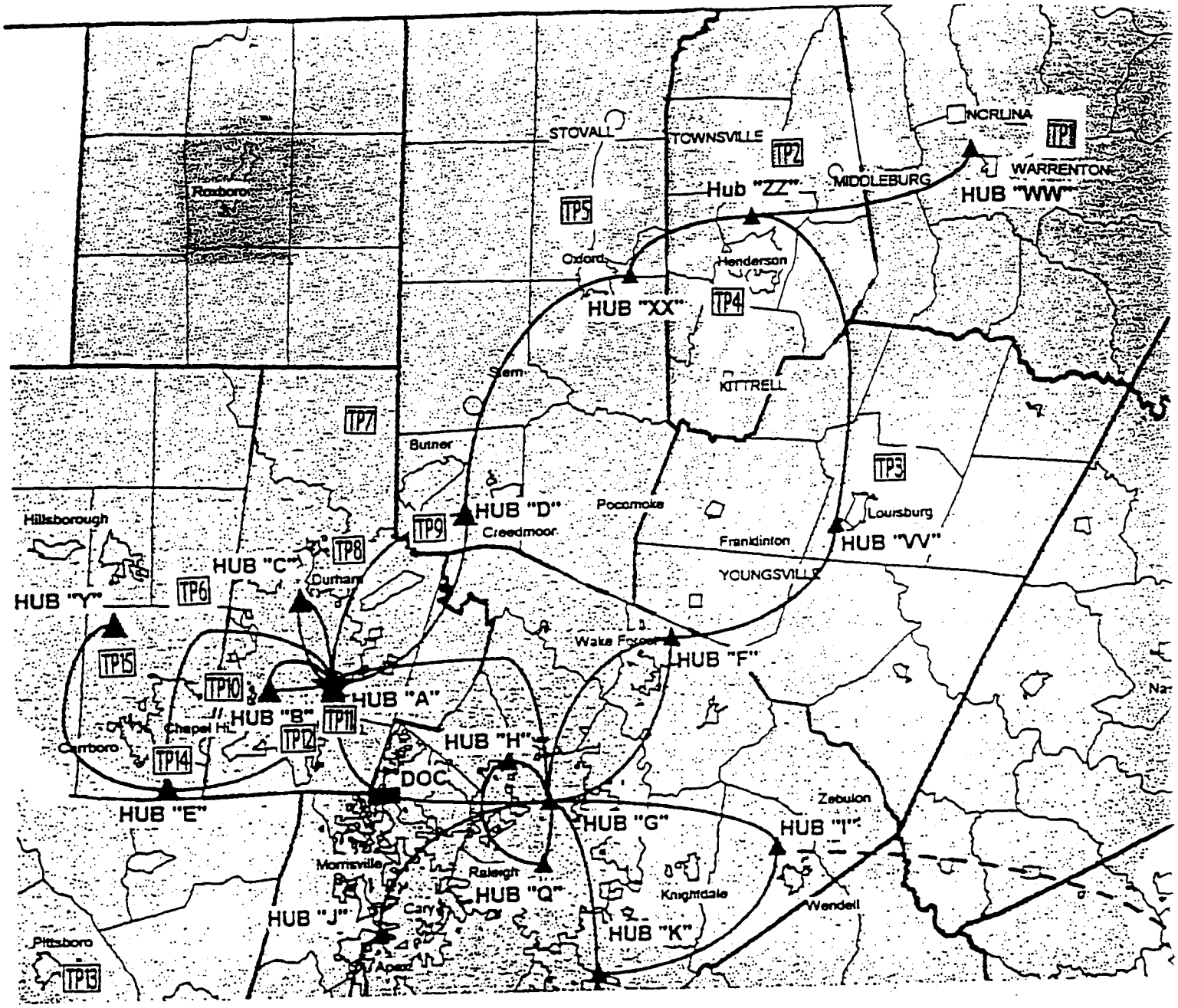
Cable systems with 10,000 subscriber or more must install EAS equipment that is capable of providing Audio and Video EAS messages on all Programming Channels by December 31, 1998. Cable Systems with 5,000 to 10,000 subscribers must install EAS equipment that is capable of providing Audio and Video EAS messages on all Programming Channels by October 1, 2002. Cable system with Fewer then 5,000 subscribers must by October 1, 2002, (A) provide the National Level EAS Messages on all programmed Channels including the required testing or (B) install EAS equipment that is capable of providing: The audio alert messages on all programmed channels, video interrupt on all programmed channels and audio and video EAS messages on one programmed channel.

Each system that is required to maintain EAS equipment must log all national received and/or transmitted messages and all weekly and monthly tests. It is the Raleigh Division's policy to maintain logs of all messages and maintain these logs for five years. Additionally, a copy of the "Emergency Alart System Cable Handbook" must be maintained at each EAS control site. The Raleigh Division's policy is to also maintain a copy of this handbook in the sytem's public inspection file.

Over the air Broadcast Stations and Frequency

Listed below you will find the frequency offsets for each analog Television Broadcast signal carried in our Division and. Television Broadcast signals are often offset plus or minus 10 KHz to protect other broadcast channels from interference. When offset signals are received by televison processor equipment in the Headend and converted to frequencies used on the CATV system, the resulting CATV frequency is offset by the 10 KHz in the opposite direction. The Time Warner Raleigh Divison speck is to hold the video frequency to within +/- 5 KHz of the assigned CATV channel frequency. When an offset Television Broadcast signal is used as the source into a processor, the resulting frequency shoud be maintained to within +/- 5 KHz of the assigned CATV channel +/- the 10 KHz. However, when an analog Television Broadcast signal is processed to a CATV frequency in the Aeronitical bands of 108 to 137 and 225 to 400 MHz a frequency tolerance of +/- 5 kHz from the assigned CATV signal is required. To maintain a +/- 5 kHz tolerance in the Aeronitical bands the LO in the input circuit of the processor should be adjusted to bring the output into compliance.

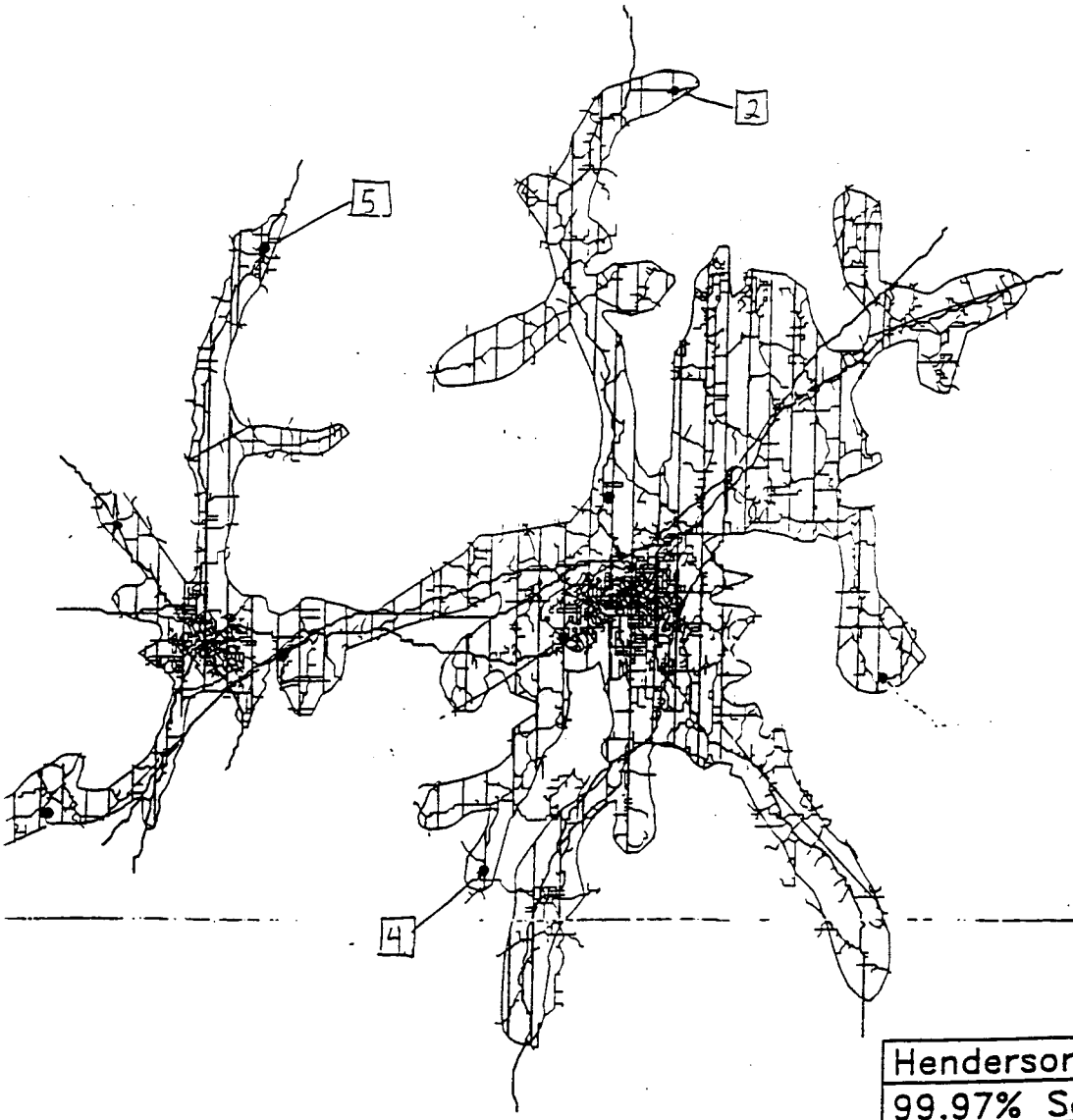
Station Call	Affiliate	Channel	Offset
W34AX-LP	IND	34	Plus
W68BK-LP	IND	68	Zero
WBTW-TV	CBS	13	Plus
WCTI-TV	ABC	12	Plus
WECT-TV	NBC	6	Zero
WEPX-TV	PAX	38	Zero
WFPX-TV	PAX	62	Zero
WFXB-TV	FOX	43	Plus
WITN-TV	NBC	7	Zero
WKFT-TV	IND	40	Plus
WLFL-TV	WB	22	Zero
WNCT-TV	CBS	9	Minus
WPDE-TV	ABC	15	Minus
WRAL-TV	CBS	5	Zero
WRAZ-TV	FOX	50	Plus
WRDC-TV	UPN	28	Plus
WRPX-TV	PAX	47	Plus
WTVD-TV	ABC	11	Plus
WUNC-TV	PBS	4	Plus
WUNK-TV	PBS	23	Zero
WUNU-TV	PBS	31	Zero
WWMB-TV	UPN	21	Zero
WYDO-TV	FOX	14	Zero

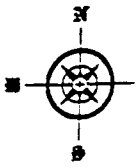


Test Points
(Locations)

List of System Test Points Used

Test Point #	Location	Pole #	Tap Value	Nearest Amp. #	Node Name	Cascade Length (TB/LE)
0.1	HEADEND	N/A	N/A	N/A	N/A	0/0
0.2	HUB B	N/A	N/A	N/A	N/A	0/0
0.3	HUB C	N/A	N/A	N/A	N/A	0/0
0.4	HUB D	N/A	N/A	N/A	N/A	0/0
0.5	HUB E	N/A	N/A	N/A	N/A	0/0
0.6	HUB Y	N/A	N/A	N/A	N/A	0/0
0.7	HUB XX	N/A	N/A	N/A	N/A	0/0
0.8	HUB WW	N/A	N/A	N/A	N/A	0/0
0.9	HUB VV	N/A	N/A	N/A	N/A	0/0
0.10	HUB ZZ	N/A	N/A	N/A	N/A	0/0
0.11	HUB A	N/A	N/A	N/A	N/A	0/0





Test Point #

2 Hibernia Rd

4 Southern Mill

5 Puckett St

LEGEND			
	15.00dB	to	12.01dB
	12.00dB	to	9.01dB
	9.00dB	to	6.01dB
	6.00dB	to	3.01dB
	3.00dB	to	0.01dB
	0.00dB	to	-2.99dB
	-3.00dB	to	-5.99dB
	-6.00dB	to	-20.99dB

Henderson, NC TWC

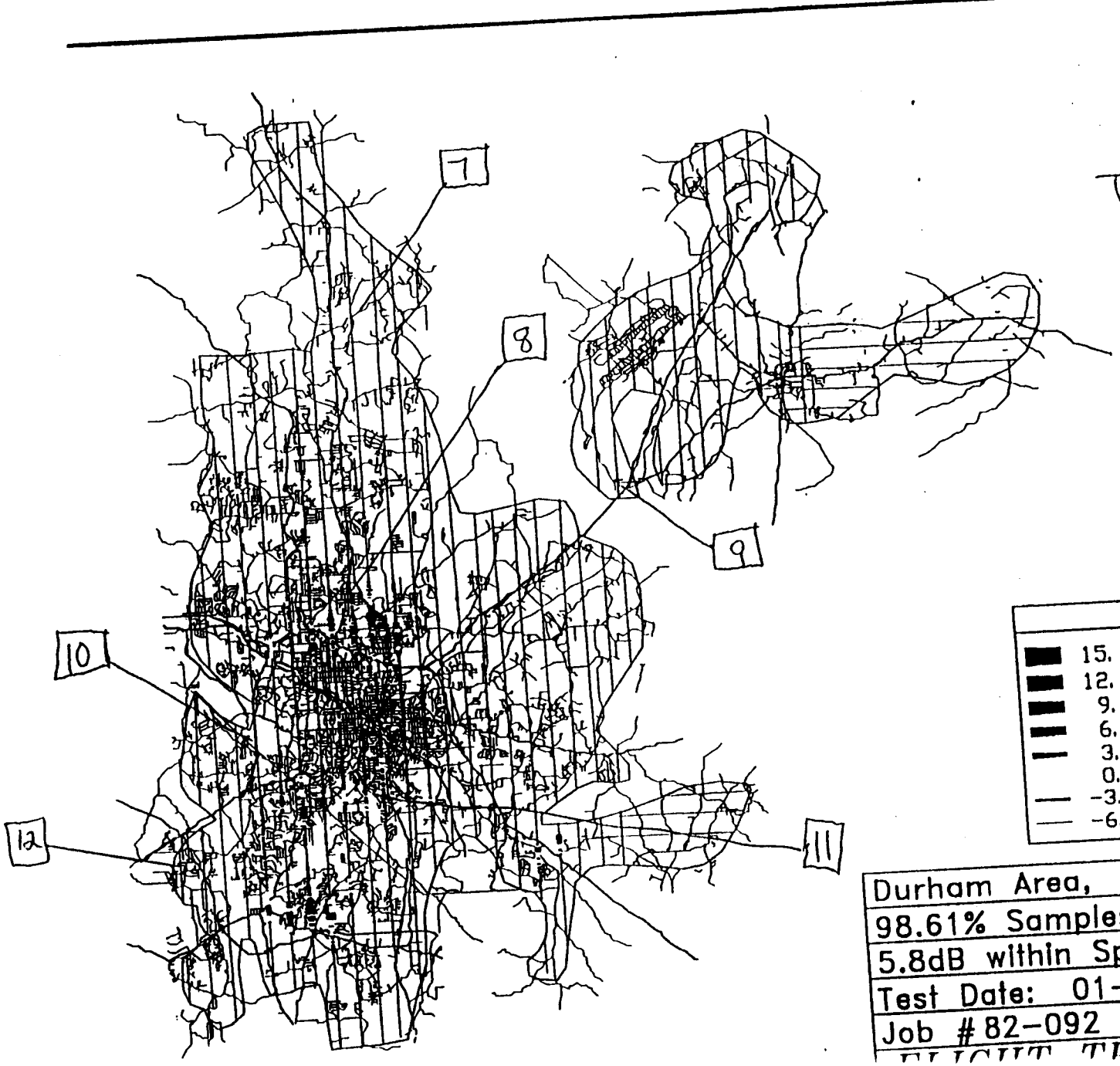
99.97% Samples below Ref.

9.0dB within Spec.

Test Date: 01-10-02

Job #82-088

FLIGHT TRAC INC



Testpoint #

7 Hoover Rd.
8 Lavender
9 Cameron
10 Dixon Rd.
11 Ankerfield

LEGEND		
	15.00dB to	12.01dB
	12.00dB to	9.01dB
	9.00dB to	6.01dB
	6.00dB to	3.01dB
	3.00dB to	0.01dB
	0.00dB to	-2.99dB
	-3.00dB to	-5.99dB
	-6.00dB to	-20.99dB

Durham Area, NC TWC
98.61% Samples below Ref.
5.8dB within Spec.
Test Date: 01-12-02
Job #82-092
FLIGHT TRAC

DURHAM Channel Plan

Channel	Service
98	TV Guide Channel
2	WNCN-TV(NBC)
3	WRAL-TV (CBS)
4	Educational Programming
5	WRAY-TV (IND)
6	WTVD-TV (ABC)
7	Home Buyers Channel
8	Community Programmmg
9	WUNC-TV (PBS)
10	WLFL-TV (WB)
11	WUVC-TV
12	WRDC-TV (UPN)
13	WRAZ-TV (FOX)
14	NEWS-14
15	Unmodulated Carrier
16	Unmodulated Carrier
17	Unmodulated Carrier
18	C-SPAN
19	BET
20	Unmodulated Carrier
21	WGN
22	WRPX-TV (PAX)
23	TBS
24	Triangle TV
25	USA Network
26	TNT
27	A&E
28	ABC Family Channel
29	CNN
30	Discovery
31	ESPN
32	ESPN2
33	Lifetime
34	Home Shopping Network
35	QVC
36	Comedy Central
37	CNBC
38	AMC
39	Learning Channel
40	TNN
41	Headline News
42	Weather Channel
43	Nickelodeon
44	Court TV
45	MSNBC
46	Animal Planet
47	CNNSI
48	VH1

Channel	Service
49	Sci-Fi
50	FOX SportsNet
51	Golf Channel
52	Unmodulated Carrier
53	MTV
54	TV Land
55	OXYGEN
56	History
57	Disney
58	Fox News
59	Unmodulated Carrier
60	C-SPAN2
61	Women's Entertainment
62	E!
63	SoapNet
64	ShopNBC
65	Outdoor Life
66	ESPN Classic
67	Turner Classic Movies
68	
69	CMT
70	National Geographic
71	fX
72	Inspirational Network
73	Hallmark Channel
74	Travel
75	Cartoon
76	HGTV
77	TV Food
78	Unmodulated Carrier

Channel	Service
80	Digital QAM
81	Digital QAM
82	Digital QAM
83	Digital QAM
84	Digital QAM
85	Digital QAM
86	Digital QAM
87	Digital QAM
88	Digital QAM
89	Digital QAM
90	Digital QAM
91	Digital QAM
92	Digital QAM
93	Digital QAM
94	Digital QAM
95	Digital QAM
96	Digital QAM
97	Digital QAM
98	Digital QAM
99	Digital QAM
100	Digital QAM
101	Digital QAM
102	Digital QAM
103	Digital QAM
104	Digital QAM
105	Digital QAM
106	Digital QAM
107	Digital QAM
108	Digital QAM
109	Digital QAM
110	Digital QAM
111	Digital QAM
112	Digital QAM
113	Digital QAM
114	Digital QAM
115	Digital QAM
116	Unmodulated Carrier

Upstream Carriers

25. MHZ QPSK Data Carrier
33 MHZ Digital QAM
37 MHZ QPSK Data Carrier

Other

52.5 MHZ Sweep Signal
53.25 MHZ Sweep Signal

Carborro Channel Plan

Channel	Service
98	TV Guide Channel
2	WFMY-TV (CBS)
3	WRAL-TV (CBS)
4	Local Bulletin Board
5	WGHP-TV (ABC)
6	WUNC-TV (PBS)
7	WRPX-TV (PAX)
8	WUVC-TV
9	WNCN-TV (NBC)
10	WRDC-TV (UPN)
11	WRAZ-TV (FOX)
12	WLFL-TV (WB)
13	WTVD-TV (ABC)
14	NEWS-14
15	Unmodulated Carrier
16	Unmodulated Carrier
17	Unmodulated Carrier
18	Gvmnt. Access
19	WRAY-TV (IND)
20	TWiN 1
21	WGN
22	BET (ACCESS)
23	TBS
24	Triangle TV
25	USA Network
26	TNT
27	A&E
28	ABC Family Channel
29	CNN
30	Discovery
31	ESPN
32	ESPN2
33	Lifetime
34	Home Shopping Network
35	QVC
36	Comedy Central
37	CNBC
38	AMC
39	Learning Channel
40	TNN
41	Headline News
42	Weather Channel
43	Nickelodeon
44	Court TV
45	MSNBC
46	Animal Planet
47	CNNSI
48	VH1

Channel	Service
49	Sci-Fi
50	FOX SportsNet
51	Golf Channel
52	Unmodulated Carrier
53	MTV
54	TV Land
55	OXYGEN
56	History
57	Disney
58	Fox News
59	Unmodulated Carrier
60	C-SPAN2
61	Women's Entertainment
62	E!
63	SoapNet
64	ShopNBC
65	Outdoor Life
66	ESPN Classic
67	Turner Classic Movies
68	-
69	CMT
70	National Geographic
71	fX
72	Inspirational Network
73	Hallmark Channel
74	Travel
75	Cartoon
76	HGTV
77	TV Food
78	Unmodulated Carrier

Channel	Service
80	Digital QAM
81	Digital QAM
82	Digital QAM
83	Digital QAM
84	Digital QAM
85	Digital QAM
86	Digital QAM
87	Digital QAM
88	Digital QAM
89	Digital QAM
90	Digital QAM
91	Digital QAM
92	Digital QAM
93	Digital QAM
94	Digital QAM
95	Digital QAM
96	Digital QAM
97	Digital QAM
98	Digital QAM
99	Digital QAM
100	Digital QAM
101	Digital QAM
102	Digital QAM
103	Digital QAM
104	Digital QAM
105	Digital QAM
106	Digital QAM
107	Digital QAM
108	Digital QAM
109	Digital QAM
110	Digital QAM
111	Digital QAM
112	Digital QAM
113	Digital QAM
114	Digital QAM
115	Digital QAM
116	Unmodulated Carrier

Upstream Carriers

25. MHZ QPSK Data Carrier
33 MHZ Digital QAM
37 MHZ QPSK Data Carrier

Other

52.5 MHZ Sweep Signal
53.25 MHZ Sweep Signal

Section 1 - Frequency Accuracy Test

System Name: _____ Highest Band Pass: ____
Test Point Location: _____ Test Point Number: ____
Date of Test: _____ Time: _____ Temperature: ____
Tech(s) Performing Test: _____
_____

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer	_____	_____	_____
Frequency Counter	_____	_____	_____
Variable Attenuator	_____	_____	_____
Band Pass Filter 1	_____	_____	N/A
Band Pass Filter 2	_____	_____	N/A

Test Setup Used: A drop from the test point is feed to the Frequency Counter Equipment. If needed, a band pass filter is used in addition to any built in band pass filter for selection of the carrier. Measure and record the video carrier frequency then measure the difference between the Audio and Video Carrier frequency and record the results.

All channel carriers should be +/- 5 kHz of the assigned frequency unless the carrier is operating outside the 108 to 137 and 225 to 400 MHz bands AND the input or "off-air" signal is offset +/- 10 kHz. Indicate any "off-set" signals in the results with the "*" sign.

The Audio Carrier Frequency is to be maintained at 4.5 MHz +/- 5 kHz above the video carrier.

This test must be performed on a minimum of four channels plus one additional channel for every 100 MHz, or fraction thereof, of forward bandwidth. As a good engineering practice we will perform this test on each NTSC channel on the forward system at the Headend. Additionally, all I-Net NTSC video channels or other carriers operating in the 108 to 137 and 225 to 400 MHz bands must be tested to ensure their operating frequency maintains a tolerance of +/- 5 kHz from the assigned frequency.

Ch	Assigned Frequency	Measured Frequency	Maximum Frequency Allowed	Minimum Frequency Allowed	Measured Audio Frequency (4..505 MHz-4.495 MHz)
2	55.2500	_____	55.2550	55.2450	_____
3	61.2500	_____	61.2550	61.2450	_____
4	67.2500	_____	67.2550	67.2450	_____
____	73.0000	_____	N/A	N/A	N/A
5	77.2500	_____	77.2550	77.2450	_____
6	83.2500	_____	83.2550	83.2450	_____
6+1	89.2500	_____	89.2550	89.2450	_____
6+2	95.2500	_____	95.2550	95.2450	_____
6+3	101.2500	_____	101.2550	101.2450	_____
A-5	91.2500	_____	91.2550	91.2450	_____
A-4	97.2500	_____	97.2550	97.2450	_____
A-3	103.2500	_____	103.2550	103.2450	_____
A-2	109.2750	_____	109.2800	109.2700	_____
A-1	115.2750	_____	115.2800	115.2700	_____

* = Indicates an "off-air" channel with an offset of + or - 10 KHz. being processed on to the system by a processor having an un-compensated input IF stage. (This type of processor cannot be used in the 108 to 137 and 225 to 400 MHz band.)

Section 1 - Frequency Accuracy Test

Continued

Ch	Assigned Frequency	Measured Frequency	Maximum Frequency Allowed	Minimum Frequency Allowed	Measured Audio Frequency (4..495 MHz-4.505 MHz)
48	367.2625		367.2675	367.2575	
49	373.2625		373.2675	373.2575	
50	379.2625		379.2675	379.2575	
51	385.2625		385.2675	385.2575	
52	391.2625		391.2675	391.2575	
53	397.2625		397.2675	397.2575	
54	403.2500		403.2550	403.2450	
55	409.2500		409.2550	409.2450	
56	415.2500		415.2550	415.2450	
57	421.2500		421.2550	421.2450	
58	427.2500		427.2550	427.2450	
59	433.2500		433.2550	433.2450	
60	439.2500		439.2550	439.2450	
61	445.2500		445.2550	445.2450	
62	451.2500		451.2550	451.2450	
63	457.2500		457.2550	457.2450	
64	463.2500		463.2550	463.2450	
65	469.2500		469.2550	469.2450	
66	475.2500		475.2550	475.2450	
67	481.2500		481.2550	481.2450	
68	487.2500		487.2550	487.2450	
69	493.2500		493.2550	493.2450	
70	499.2500		499.2550	499.2450	
71	505.2500		505.2550	499.2450	
72	511.2500		511.2550	499.2450	
73	517.2500		517.2550	499.2450	
74	523.2500		523.2550	499.2450	
75	529.2500		529.2550	499.2450	
76	535.2500		535.2550	499.2450	
77	541.2500		541.2550	499.2450	
78	547.2500		547.2550	499.2450	
79	553.2500		553.2550	499.2450	
80	559.2500		559.2550	499.2450	
81	565.2500		565.2550	499.2450	
82	571.2500		571.2550	499.2450	
83	577.2500		577.2550	499.2450	
84	583.2500		583.2550	499.2450	
85	589.2500		589.2550	499.2450	
86	595.2500		595.2550	499.2450	
87	601.2500		601.2550	499.2450	
116	745.2500		745.2550	745.2450	

* = Indicates an "off-air" channel with an offset of + or - 10 KHz. being processed on to the system by a processor having an un-compensated input IF stage. (This type of processor cannot be used in the 108 to 137 and 225 to 400 MHz band.)

Section 2 - Carrier-To-Noise, Coherent Disturbance & Hum Test

System Name: WARRENTON
Test Point Location: S. MAIN ST
Date of Test: 2-11-04 Time: 11:40
Tech(s) Performing Test: BOBBY DEBNAM

Highest Band Pass: 750
Test Point Number: 1
Temperature: 48°F

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer	HP8591C	3829A02949	2-28-03
Pre-Amplifier	TRILITHIC AM1000	200318012	N/A
Variable Attenuator			
Band Pass Filter 1	TRILITHIC VFL	95090081	N/A
Band Pass Filter 2			N/A
Field Strength Meter			
Channel Selector			N/A

Test Setup used: The 30 meeter (98.45 foot) cable drop from the test point is feed into a spectrum analyzer through a pre-amplifier, variable attenuator, and band pass filter as required. Coherent Disturbances are measured by first noting the channel carrier level and then removing the channel from the system. The levels of the highest carrier (or groups of carriers) in the channel's pass band and their frequencies are then measured, relative to the peek level and frequency of the removed carrier. The level of the noise floor is also measured as referenced to the removed carrier. An un-modulated carrier is to be used to measure the % of Hum odulation.

If automated test equipment is used to test Coherent Disturbances and Carrier-to-Noise; Composite Triple Beat (CTB), Composite Second Order (CSO), and Cross Modulation (CM) are to be measured and the results recorded individually along with Carrier-to-Noise (C/N). All automated measurements should be performed in accordance with the manufacture's specifications. Because some automated test measurements may be affected positively or negatively by factors not related to the test being performed, manual measurements should be made on a minimum of two channels for comparison with the automated measurements. If there is more then a 5 Percent difference between the automated and manual measurements, manual measurements should be performed on each channel.

Number of Measurements: The measurements are to be made at the Headend and each field test point on widely spaced channels with the number of test channels being a minimum of 4 channels plus one channel for each 100 MHz or fraction thereof of cable distribution system uper bandwidth. (See Specifications page viii) The highest and lowest channels must be tested for Carrier-to-Noise measurements. Hum modulation need only be tested on one carrier.

Minimum Specifications: All Coherent Disturbance measurements must be 52 dB or better, 48 dB or better for coherent systems (HRC and IRC systems). All Carrier-to-Noise measurements must be 46 dB or better (44 dB or better in non-upgraded plant). The Hum measurement must be better then 3 percent.

Assigned	**Coherent Disturbances**					C/N	%
Ch.	Freq.	Level	or CTB	CSO	CM	Ratio	Hum
2	1.23	65	___	___	___	46.9	0.8
10	1.27	66	___	___	___	48.4	___
9	1.26	68	___	___	___	48.2	___
25	1.20	62	___	___	___	47.6	___
28	1.27	62	___	___	___	48.8	___
33	1.21	69	___	___	___	49.1	___
38	1.29	64	___	___	___	48.9	___
49	1.26	63	___	___	___	49.1	___
57	1.24	62	___	___	___	49.3	___
68	1.29	63	___	___	___	48.9	___
75	1.27	60	___	___	___	47.6	___
116	1.22	57	___	___	___	46.7	___

Section 2 - Carrier-To-Noise, Coherent Disturbance & Hum Test

System Name: Louisburg-3 C — Highest Band Pass: 750
Test Point Location: 419 Hwy 561 — Test Point Number: 3
Date of Test: 2-11-04 Time: 1:15 — Temperature: 50°F
Tech(s) Performing Test: Bobby Debnam

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer	HP 8591C	3829A02949	2-28-03
Pre-Amplifier	TRILITHIC AM 1000	200318012	N/A
Variable Attenuator			
Band Pass Filter 1	TRILITHIC VFS	9509081	N/A
Band Pass Filter 2			N/A
Field Strength Meter			
Channel Selector			N/A

Test Setup used: The 30 meeter (98.45 foot) cable drop from the test point is feed into a spectrum analyzer through a pre-amplifier, variable attenuator, and band pass filter as required. Coherent Disturbances are measured by first noting the channel carrier level and then removing the channel from the system. The levels of the highest carrier (or groups of carriers) in the channel's pass band and their frequencies are then measured, relative to the peek level and frequency of the removed carrier. The level of the noise floor is also measured as referenced to the removed carrier. An un-modulated carrier is to be used to measure the % of Hum odulation.

If automated test equipment is used to test Coherent Disturbances and Carrier-to-Noise; Composite Triple Beat (CTB), Composite Second Order (CSO), and Cross Modulation (CM) are to be measured and the results recorded individually along with Carrier-to-Noise (C/N). All automated measurements should be performed in accordance with the manufacture's specifications. Because some automated test measurements may be affected positively or negatively by factors not related to the test being performed, manual measurements should be made on a minimum of two channels for comparison with the automated measurements. If there is more then a 5 Percent difference between the automated and manual measurements, manual measurements should be performed on each channel.

Number of Measurements: The measurements are to be made at the Headend and each field test point on widely spaced channels with the number of test channels being a minimum of 4 channels plus one channel for each 100 MHz or fraction thereof of cable distribution system uper bandwidth. (See Specifications page viii) The highest and lowest channels must be tested for Carrier-to-Noise measurements. Hum modulation need only be tested on one carrier.

Minimum Specifications: All Coherent Disturbance measurements must be 52 dB or better, 48 dB or better for coherent systems (HRC and IRC systems). All Carrier-to-Noise measurements must be 46 dB or better (44 dB or better in non-upgraded plant). The Hum measurement must be better then 3 percent.

Assigned	**Coherent Disturbances**						C/N	%
Ch.	Freq.	Level	or CTB	CSO	CM		Ratio	Hum
2	1.25	64					46.6	1.0
10	1.25	63					46.9	
9	1.26	65					47.8	
25	1.30	61					48.2	
28	1.24	67					48.9	
33	1.24	65					48.2	
38	1.29	59					47.9	
49	1.30	60					48.8	
57	1.29	58					49.4	
68	1.21	62					48.3	
75	1.29	60					48.7	
116	1.29	61					47.5	

Section 2 - Carrier-To-Noise, Coherent Disturbance & Hum Test

System Name: HENDERSON
Test Point Location: 77 CLARK LN
Date of Test: 2-10-04 Time: 11:05 AM
Tech(s) Performing Test: BOBBY DERIAM

Highest Band Pass: 750
Test Point Number: 4
Temperature: 50 °F

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer	HP8591C	3829A02949	7-28-03
Pre-Amplifier	TRILITHIC AM 1000	200318012	N/A
Variable Attenuator			
Band Pass Filter 1	TRILITHIC VFS	95090881	N/A
Band Pass Filter 2			N/A
Field Strength Meter			
Channel Selector			N/A

Test Setup used: The 30 meeter (98.45 foot) cable drop from the test point is feed into a spectrum analyzer through a pre-amplifier, variable attenuator, and band pass filter as required. Coherent Disturbances are measured by first noting the channel carrier level and then removing the channel from the system. The levels of the highest carrier (or groups of carriers) in the channel's pass band and their frequencies are then measured, relative to the peek level and frequency of the removed carrier. The level of the noise floor is also measured as referenced to the removed carrier. An un-modulated carrier is to be used to measure the % of Hum odulation.

If automated test equipment is used to test Coherent Disturbances and Carrier-to-Noise; Composite Triple Beat (CTB), Composite Second Order (CSO), and Cross Modulation (CM) are to be measured and the results recorded individually along with Carrier-to-Noise (C/N). All automated measurements should be performed in accordance with the manufacture's specifications. Because some automated test measurements may be affected positively or negatively by factors not related to the test being performed, manual measurements should be made on a minimum of two channels for comparison with the automated measurements. If there is more then a 5 Percent difference between the automated and manual measurements, manual measurements should be performed on each channel.

Number of Measurements: The measurements are to be made at the Headend and each field test point on widely spaced channels with the number of test channels being a minimum of 4 channels plus one channel for each 100 MHz or fraction thereof of cable distribution system uper bandwidth. (See Specifications page viii) The highest and lowest channels must be tested for Carrier-to-Noise measurements. Hum modulation need only be tested on one carrier.

Minimum Specifications: All Coherent Disturbance measurements must be 52 dB or better, 48 dB or better for coherent systems (HRC and IRC systems). All Carrier-to-Noise measurements must be 46 dB or better (44 dB or better in non-upgraded plant). The Hum measurement must be better then 3 percent.

Assigned	**Coherent Disturbances**					C/N	%
Ch.	Freq.	Level	or CTB	CSO	CM	Ratio	Hum
2	1.20	54.4	___	___	___	46.8	1.2
10	1.24	62.7	___	___	___	48.6	___
9	1.27	68.0	___	___	___	49.1	___
25	1.20	64.1	___	___	___	47.2	___
28	1.26	68.1	___	___	___	47.3	___
33	1.28	71.0	___	___	___	49.2	___
38	1.28	69.2	___	___	___	48.1	___
49	1.25	69.5	___	___	___	48.0	___
57	1.24	68.5	___	___	___	48.7	___
68	1.20	69.5	___	___	___	47.4	___
79	1.15	70.1	___	___	___	48.6	___
116	1.26	67.8	___	___	___	47.8	___

Section 2 - Carrier-To-Noise, Coherent Disturbance & Hum Test

System Name: Chapel Hill
Test Point Location: Hoover
Date of Test: 2-5-04 Time: 3:30
Tech(s) Performing Test: M Finch

Highest Band Pass: 750MHz
Test Point Number: 1
Temperature: 47°

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer	AGILENT 8594C	3513A00749	12-15-03
Pre-Amplifier	Ultrasonics	182271	N/A
Variable Attenuator			
Band Pass Filter 1	Trilithic VF4	950981	N/A
Band Pass Filter 2			N/A
Field Strength Meter			
Channel Selector			N/A

Test Setup used: The 30 meeter (98.45 foot) cable drop from the test point is feed into a spectrum analyzer through a pre-amplifier, variable attenuator, and band pass filter as required. Coherent Disturbances are measured by first noting the channel carrier level and then removing the channel from the system. The levels of the highest carrier (or groups of carriers) in the channel's pass band and their frequencies are then measured, relative to the peek level and frequency of the removed carrier. The level of the noise floor is also measured as referenced to the removed carrier. An un-modulated carrier is to be used to measure the % of Hum odulation.

If automated test equipment is used to test Coherent Disturbances and Carrier-to-Noise; Composite Triple Beat (CTB), Composite Second Order (CSO), and Cross Modulation (CM) are to be measured and the results recorded individually along with Carrier-to-Noise (C/N). All automated measurements should be performed in accordance with the manufacture's specifications. Because some automated test measurements may be affected positively or negatively by factors not related to the test being performed, manual measurements should be made on a minimum of two channels for comparison with the automated measurements. If there is more then a 5 Percent difference between the automated and manual measurements, manual measurements should be performed on each channel.

Number of Measurements: The measurements are to be made at the Headend and each field test point on widely spaced channels with the number of test channels being a minimum of 4 channels plus one channel for each 100 MHz or fraction thereof of cable distribution system uper bandwidth. (See Specifications page viii) The highest and lowest channels must be tested for Carrier-to-Noise measurements. Hum modulation need only be tested on one carrier.

Minimum Specifications: All Coherent Disturbance measurements must be 52 dB or better, 48 dB or better for coherent systems (HRC and IRC systems). All Carrier-to-Noise measurements must be 46 dB or better (44 dB or better in non-upgraded plant). The Hum measurement must be better then 3 percent.

Assigned Ch.	Coherent Disturbances Freq.	Level	or CTB	CSO	CM	C/N Ratio	% Hum
2	1.25	62				46	
5	1.25	60				47	
9	1.25	65				48	
22	1.25	61				46	
26	1.25	65				47	
29	1.25	60				47	
33	1.25	63				46	
38	1.25	66				46	
53	1.25	65				47	
57	1.25	67				46	
75	1.25	64				48	
116	1.25	62				50	.3

Section 2 - Carrier-To-Noise, Coherent Disturbance & Hum Test

System Name: Durham
Test Point Location: CAMERON DR
Date of Test: 2-3-07 Time: 8:00 AM
Tech(s) Performing Test: M Finch
J Schmit

Highest Band Pass: 750 MHz
Test Point Number: 9
Temperature: 58°

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer	AGILENT 8591C	3513H00749	12-15-05
Pre-Amplifier	VIEWSONICS	182271	N/A
Variable Attenuator			
Band Pass Filter 1	Trilithic VF-4	950981	N/A
Band Pass Filter 2			N/A
Field Strength Meter			
Channel Selector			N/A

Test Setup used: The 30 meeter (98.45 foot) cable drop from the test point is feed into a spectrum analyzer through a pre-amplifier, variable attenuator, and band pass filter as required. Coherent Disturbances are measured by first noting the channel carrier level and then removing the channel from the system. The levels of the highest carrier (or groups of carriers) in the channel's pass band and their frequencies are then measured, relative to the peek level and frequency of the removed carrier. The level of the noise floor is also measured as referenced to the removed carrier. An un-modulated carrier is to be used to measure the % of Hum odulation.

If automated test equipment is used to test Coherent Disturbances and Carrier-to-Noise; Composite Triple Beat (CTB), Composite Second Order (CSO), and Cross Modulation (CM) are to be measured and the results recorded individually along with Carrier-to-Noise (C/N). All automated measurements should be performed in accordance with the manufacture's specifications. Because some automated test measurements may be affected positively or negatively by factors not related to the test being performed, manual measurements should be made on a minimum of two channels for comparison with the automated measurements. If there is more then a 5 Percent difference between the automated and manual measurements, manual measurements should be performed on each channel.

Number of Measurements: The measurements are to be made at the Headend and each field test point on widely spaced channels with the number of test channels being a minimum of 4 channels plus one channel for each 100 MHz or fraction thereof of cable distribution system uper bandwidth. (See Specifications page viii) The highest and lowest channels must be tested for Carrier-to-Noise measurements. Hum modulation need only be tested on one carrier.

Minimum Specifications: All Coherent Disturbance measurements must be 52 dB or better, 48 dB or better for coherent systems (HRC and IRC systems). All Carrier-to-Noise measurements must be 46 dB or better (44 dB or better in non-upgraded plant). The Hum measurement must be better then 3 percent.

Assigned	Coherent Disturbances					C/N	%
Ch.	Freq.	Level	or CTB	CSO	CM	Ratio	Hum
2	1.25	63	___	___	___	48	___
5	1.25	65	___	___	___	48	___
9	1.25	64	___	___	___	46	___
22	1.25	69	___	___	___	46	___
26	1.25	69	___	___	___	47	___
29	1.25	66	___	___	___	47	___
33	1.25	64	___	___	___	47	___
38	1.25	61	___	___	___	46	___
53	1.25	59	___	___	___	46	___
57	1.25	68	___	___	___	46	___
75	1.25	68	___	___	___	46	___
116	1.25	67	___	___	___	46	1.2

Section 2 - Carrier-To-Noise, Coherent Disturbance & Hum Test

System Name: Durham
Test Point Location: 7 ARBOR FIELD
Date of Test: 2-2-04 Time: 9:00
Tech(s) Performing Test: M. Finch
J. Schmitt

Highest Band Pass: 750 MHz
Test Point Number: 11
Temperature: 40°

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer	AGILENT 8591C	3537A00749	12-18-03
Pre-Amplifier	VIEWSONICS	182271	N/A
Variable Attenuator			
Band Pass Filter 1	Trilithic VF-4	950981	N/A
Band Pass Filter 2			N/A
Field Strength Meter			
Channel Selector			N/A

Test Setup used: The 30 meeter (98.45 foot) cable drop from the test point is feed into a spectrum analyzer through a pre-amplifier, variable attenuator, and band pass filter as required. Coherent Disturbances are measured by first noting the channel carrier level and then removing the channel from the system. The levels of the highest carrier (or groups of carriers) in the channel's pass band and their frequencies are then measured, relative to the peek level and frequency of the removed carrier. The level of the noise floor is also measured as referenced to the removed carrier. An un-modulated carrier is to be used to measure the % of Hum odulation.

If automated test equipment is used to test Coherent Disturbances and Carrier-to-Noise; Composite Triple Beat (CTB), Composite Second Order (CSO), and Cross Modulation (CM) are to be measured and the results recorded individually along with Carrier-to-Noise (C/N). All automated measurements should be performed in accordance with the manufacture's specifications. Because some automated test measurements may be affected positively or negatively by factors not related to the test being performed, manual measurements should be made on a minimum of two channels for comparison with the automated measurements. If there is more then a 5 Percent difference between the automated and manual measurements, manual measurements should be performed on each channel.

Number of Measurements: The measurements are to be made at the Headend and each field test point on widely spaced channels with the number of test channels being a minimum of 4 channels plus one channel for each 100 MHz or fraction thereof of cable distribution system uper bandwidth. (See Specifications page viii) The highest and lowest channels must be tested for Carrier-to-Noise measurements. Hum modulation need only be tested on one carrier.

Minimum Specifications: All Coherent Disturbance measurements must be 52 dB or better, 48 dB or better for coherent systems (HRC and IRC systems). All Carrier-to-Noise measurements must be 46 dB or better (44 dB or better in non-upgraded plant). The Hum measurement must be better then 3 percent.

Assigned Ch.	Coherent Disturbances Freq.	Level	or CTB	CSO	CM	C/N Ratio	% Hum
2	-1.25	65				48	
5	1.25	68				48	
9	1.25	68				47	
22	-1.25	65				48	
26	1.25	67				49	
29	1.25	66				50	
33	1.25	68				48	
38	1.25	64				48	
53	-1.25	67				49	
57	1.25	65				47	
75	1.25	67				48	
116	1.25	66				48	.1

Section 2 - Carrier-To-Noise, Coherent Disturbance & Hum Test

System Name: Chapel Hill — Highest Band Pass: 750 MHz
Test Point Location: Ashford — Test Point Number: 13
Date of Test: 2-6-04 Time: 12:00 — Temperature: 44°
Tech(s) Performing Test: M Finch

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer	AGILENT 8594C	3513A00149	12-15-03
Pre-Amplifier	Ditek Optics	182271	N/A
Variable Attenuator			
Band Pass Filter 1	Trilithic VF-4	950981	N/A
Band Pass Filter 2			N/A
Field Strength Meter			
Channel Selector			N/A

Test Setup used: The 30 meeter (98.45 foot) cable drop from the test point is feed into a spectrum analyzer through a pre-amplifier, variable attenuator, and band pass filter as required. Coherent Disturbances are measured by first noting the channel carrier level and then removing the channel from the system. The levels of the highest carrier (or groups of carriers) in the channel's pass band and their frequencies are then measured, relative to the peek level and frequency of the removed carrier. The level of the noise floor is also measured as referenced to the removed carrier. An un-modulated carrier is to be used to measure the % of Hum odulation.

If automated test equipment is used to test Coherent Disturbances and Carrier-to-Noise: Composite Triple Beat (CTB), Composite Second Order (CSO), and Cross Modulation (CM) are to be measured and the results recorded individually along with Carrier-to-Noise (C/N). All automated measurements should be performed in accordance with the manufacture's specifications. Because some automated test measurements may be affected positively or negatively by factors not related to the test being performed, manual measurements should be made on a minimum of two channels for comparison with the automated measurements. If there is more then a 5 Percent difference between the automated and manual measurements, manual measurements should be performed on each channel.

Number of Measurements: The measurements are to be made at the Headend and each field test point on widely spaced channels with the number of test channels being a minimum of 4 channels plus one channel for each 100 MHz or fraction thereof of cable distribution system uper bandwidth. (See Specifications page viii) The highest and lowest channels must be tested for Carrier-to-Noise measurements. Hum modulation need only be tested on one carrier.

Minimum Specifications: All Coherent Disturbance measurements must be 52 dB or better, 48 dB or better for coherent systems (HRC and IRC systems). All Carrier-to-Noise measurements must be 46 dB or better (44 dB or better in non-upgraded plant). The Hum measurement must be better then 3 percent.

Assigned Ch.	Coherent Disturbances Freq.	Level	or CTB	CSO	CM	C/N Ratio	% Hum
2	1.25	68				47	
5	1.25	64				48	
9	-1.25	63				46	
22	1.25	64				47	
26	1.25	62				46	
29	-1.25	64				46	
33	1.25	68				47	
38	1.25	63				46	
53	1.25	65				47	
57	-1.25	64				47	
75	1.25	65				49	
116	1.25	67				49	.5

Section 2 - Carrier-To-Noise, Coherent Disturbance & Hum Test

System Name: Chapel Hill
Test Point Location: Newhope
Date of Test: 2-5-04 Time: 12:00
Tech(s) Performing Test: M Friel

Highest Band Pass: 750MHz
Test Point Number: 15
Temperature: 45°

Equipment Used	Make/Model	Serial Number	Last Calibration Date
Spectrum Analyzer	AGILENT 859C	3513A00749	12-19-03
Pre-Amplifier	JERROLDICS	182271	N/A
Variable Attenuator			
Band Pass Filter 1	Trilithic VF4	950981	N/A
Band Pass Filter 2			N/A
Field Strength Meter			
Channel Selector			N/A

Test Setup used: The 30 meeter (98.45 foot) cable drop from the test point is feed into a spectrum analyzer through a pre-amplifier, variable attenuator, and band pass filter as required. Coherent Disturbances are measured by first noting the channel carrier level and then removing the channel from the system. The levels of the highest carrier (or groups of carriers) in the channel's pass band and their frequencies are then measured, relative to the peek level and frequency of the removed carrier. The level of the noise floor is also measured as referenced to the removed carrier. An un-modulated carrier is to be used to measure the % of Hum odulation.

If automated test equipment is used to test Coherent Disturbances and Carrier-to-Noise; Composite Triple Beat (CTB), Composite Second Order (CSO), and Cross Modulation (CM) are to be measured and the results recorded individually along with Carrier-to-Noise (C/N). All automated measurements should be performed in accordance with the manufacture's specifications. Because some automated test measurements may be affected positively or negatively by factors not related to the test being performed, manual measurements should be made on a minimum of two channels for comparison with the automated measurements. If there is more then a 5 Percent difference between the automated and manual measurements, manual measurements should be performed on each channel.

Number of Measurements: The measurements are to be made at the Headend and each field test point on widely spaced channels with the number of test channels being a minimum of 4 channels plus one channel for each 100 MHz or fraction thereof of cable distribution system uper bandwidth. (See Specifications page viii) The highest and lowest channels must be tested for Carrier-to-Noise measurements. Hum modulation need only be tested on one carrier.

Minimum Specifications: All Coherent Disturbance measurements must be 52 dB or better, 48 dB or better for coherent systems (HRC and IRC systems). All Carrier-to-Noise measurements must be 46 dB or better (44 dB or better in non-upgraded plant). The Hum measurement must be better then 3 percent.

Assigned Ch.	Coherent Disturbances Freq.	Level	or CTB	CSO	CM	C/N Ratio	% Hum
2	1.25	62				46	
5	1.25	67				47	
9	1.25	68				47	
22	1.25	64				47	
26	1.25	64				47	
29	1.25	68				46	
33	1.25	65				47	
38	1.25	68				46	
53	1.25	68				47	
57	1.25	67				48	
75	1.25	71				46	
116	1.25	66				47	.2

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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

Data Analysis Software
WWG StealthWare

AutoTest Report

TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

WAVETEK WANDEL GOLTERMANN

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

Data Analysis Software
WWG StealthWare

AutoTest Report

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

Data Analysis Software
WWG StealthWare

AutoTest Report

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

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

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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	WTVD	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

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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	WTVD	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

Data Analysis Software
WWG StealthWare

AutoTest Report

TIME WARNER
708 E CLUB BLVD
DURHAM, NC

FCC PROOFS

WAVETEK WANDEL GOLTERMANN

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

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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:			PASS

Reviewed: _____ Date: _____

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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	WTVD	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

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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	WTVD	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

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	NA	NA	NA
FSM	SDA-5000	238253	N/A

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 ✓, No ___

Date/Time	2-6 18:00	2-7 00:00	2-7 6:00	2-7 12:00

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	13.1	13.3	13.3	13.4
Minimum Video Carrier Level	9.1	9.2	9.6	9.1
Variation Highest & Lowest Video Levels	4.0	4.1	3.7	4.3

Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth 14.5 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 very 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: ___

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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: _____

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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: _____

Data Analysis Software
WWG StealthWare

AutoTest Report

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: _____

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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: _____

Data Analysis Software
WWG StealthWare

AutoTest Report

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

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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

Data Analysis Software
WWG StealthWare

AutoTest Report

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

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

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

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 ✓, No ___

Date/Time	2-9/12:11	2-9/18:08	2-10/00:05	2-10/6:09

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	13.8	13.9	13.8	13.9
Minimum Video Carrier Level	9.1	9.1	9.3	9.5
Variation Highest & Lowest Video Levels	4.7	4.8	4.5	4.4

Maximum allowed variation between highest level carrier and the lowest level carrier per bandwidth 14.5 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 very 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: ___

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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:			PASS

Reviewed: _____ Date: _____

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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:			PASS

Reviewed: _____ Date: _____

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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:			PASS

Reviewed: _____ Date: _____

Data Analysis Software
WWG StealthWare

AutoTest Report

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:			PASS

Reviewed: _____ Date: _____

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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

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	14.0	-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	WLFL	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

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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

Data Analysis Software
WWG StealthWare

AutoTest Report

WAVETEK WANDEL GOLTERMANN

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