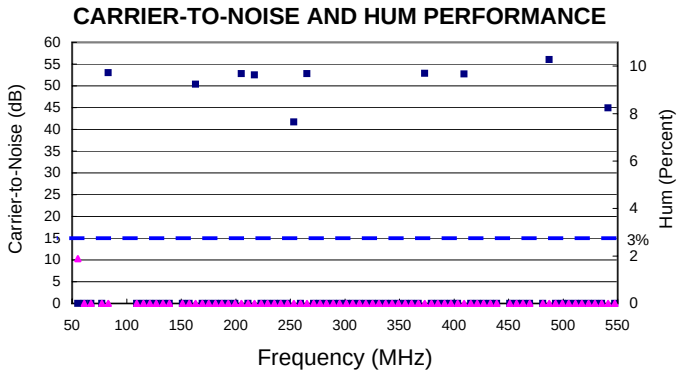
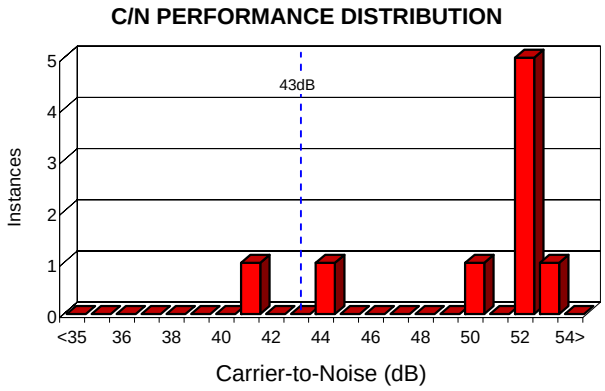
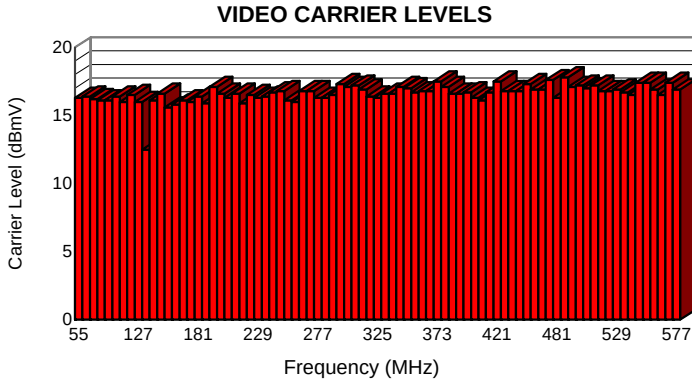
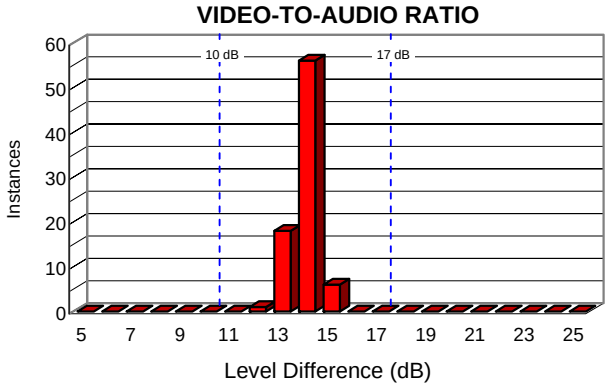
(Millennium Signal Level Tests)

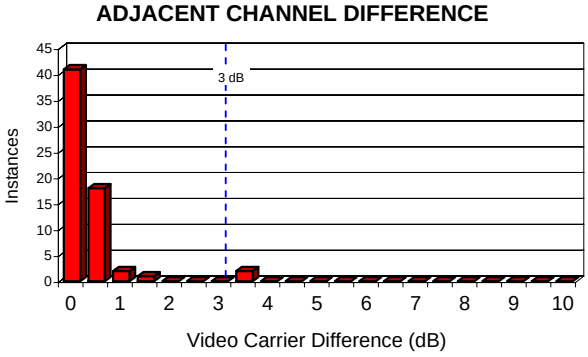
Seattle Headend 04/18/06











Carrier-to-Noise

Average	51.6 dB	Min. allowable	43 dB

C/N on 1 of the channels is below 43 dB

Carrier Level Variation

Overall	5.3 dB	Max. allowable	13 dB	
Adjacent	3.6 dB	Max. allowable	3 dB	X

Hum

Average	1.88%	Max. allowable	3 %

A/V Ratio

Maximum	15.9 dB	Max. allowable	17 dB
Minimum	12.2 dB	Min. allowable	10 dB

TP File:	HEADSEA	81	10	0.0	0.0

Millennium
Signal Level Test Results

Model: SDA-4040D	Serial #: 0033582	**Cal Date: 09/27/05**
Operator: ?	File: HEADSEA	**DOS File: HEADSEA**
Date: 04/18/06	Time: 12:49:27	**0.0 0.0**
Description:		

Location:	Seattle Headend						
Channel	Label	Video	Audio	Delta A/V	C/N	Hum	Hum
		(dBmV)	(dBmV)	(dB)	(dB)	(%)	(dB)
2		16.3	1.4	14.9		1.9	-34.5
3		16.4	1.9	14.5			
4		16.2	1.3	14.9			
5		16.1	1.6	14.5			
6		16.1	1.6	14.5	53.0		
98		16.4	2.1	14.3			
99		16.0	1.4	14.6			
14		16.5	1.5	15.0			
15		16.0	2.0	14.0			
16		12.5	0.3	12.2			
17		16.1	1.6	14.5			
19		16.6	1.4	15.2			
20		15.6	1.4	14.2			
21		15.8	1.2	14.6	50.4		
22		16.1	1.9	14.2			
7		16.0	2.3	13.7			
8		16.4	1.6	14.8			
9		15.9	1.9	14.0			
10		17.1	2.4	14.7			
11		16.6	2.2	14.4			
12		16.3	3.1	13.2	52.8		
13		16.6	0.7	15.9			
23		15.9	1.5	14.4	52.5		
24		16.5	1.5	15.0			
25		16.3	1.7	14.6			
26		16.4	2.0	14.4			
27		16.7	2.6	14.1			
28		16.8	2.6	14.2			
29		16.1	2.0	14.1	***41.7***		
30		16.0	1.7	14.3			
31		16.8	1.5	15.3	52.8		
32		16.8	1.9	14.9			

Millennium
Signal Level Test Results

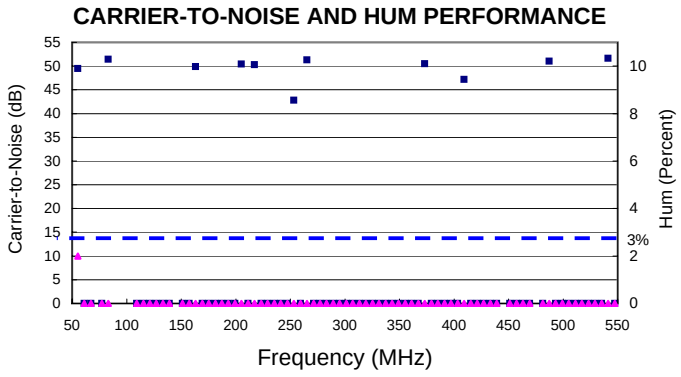
Location:	Seattle Headend						
Channel	Label	Video	Audio	Delta A/V	C/N	Hum	Hum
33		16.3	1.7	14.6			
34		16.3	2.0	14.3			
35		16.5	2.8	13.7			
36		17.3	2.4	14.9			
37		17.1	2.2	14.9			
38		17.2	2.9	14.3			
39		16.9	2.8	14.1			
40		16.4	2.2	14.2			
41		16.3	3.0	13.3			
42		16.6	3.0	13.6			
43		16.6	2.0	14.6			
44		17.1	2.9	14.2			
45		17.0	3.3	13.7			
46		16.7	2.6	14.1			
47		16.8	2.3	14.5			
48		16.8	2.7	14.1			
49		17.5	3.5	14.0	52.9		
50		17.1	2.6	14.5			
51		16.6	1.5	15.1			
52		16.6	2.4	14.2			
53		16.7	2.3	14.4			
54		16.3	2.1	14.2			
55		16.1	2.5	13.6	52.7		
56		16.7	2.3	14.4			
57		17.5	2.7	14.8			
58		16.8	2.9	13.9			
59		16.8	3.0	13.8			
60		16.8	3.3	13.5			
62		17.3	3.2	14.1			
63		16.9	2.9	14.0			
64		16.9	2.8	14.1			
65		17.6	2.7	14.9			
67		16.3	2.7	13.6			
68		17.8	3.7	14.1	56.0		
69		17.1	3.2	13.9			
70		17.2	3.2	14.0			
71		17.0	3.7	13.3			
72		17.2	3.3	13.9			
73		16.8	2.8	14.0			

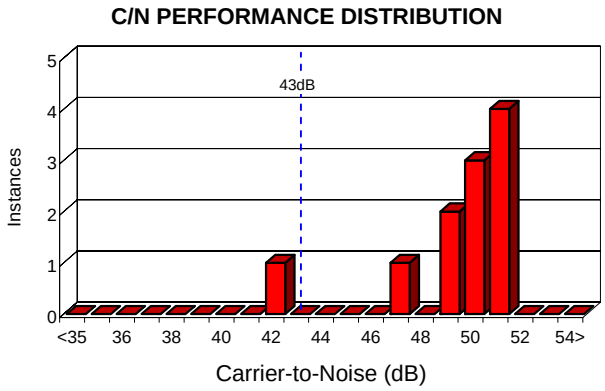
Millennium
Signal Level Test Results

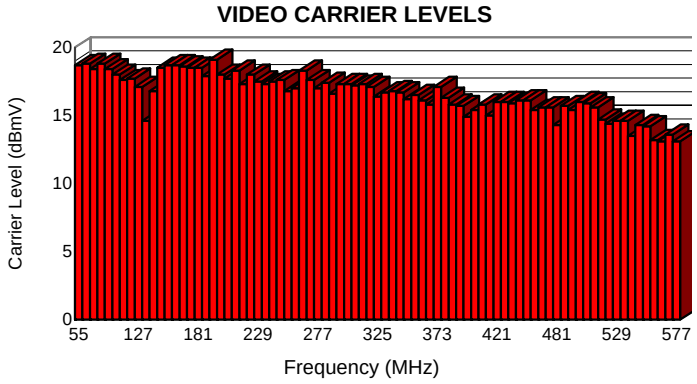
Location:	Seattle Headend						
Channel	Label	Video	Audio	Delta A/V	C/N	Hum	Hum
74		16.8	2.7	14.1			
75		16.9	2.7	14.2			
76		16.7	3.1	13.6			
77		16.5	2.9	13.6	44.9		
78		17.4	3.0	14.4			
79		17.4	3.0	14.4			
80		16.9	2.8	14.1			
81		16.5	3.3	13.2			
82		17.4	3.1	14.3			
83		16.9	3.1	13.8			

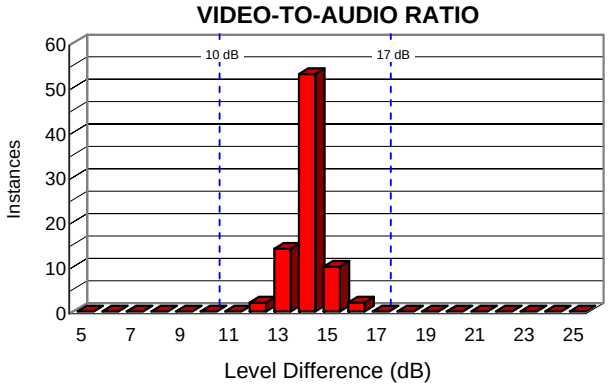
(Millennium Signal Level Tests)

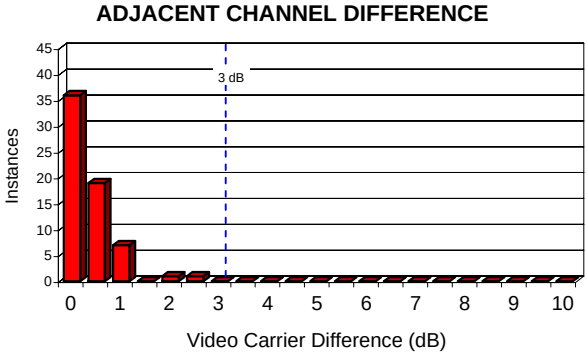
Seattle Test Point One 04/18/06











Carrier-to-Noise

Average	49.4 dB	Min. allowable	43 dB

C/N on 1 of the channels is below 43 dB

Carrier Level Variation

Overall	4.8 dB	Max. allowable	13 dB
Adjacent	2.5 dB	Max. allowable	3 dB

Hum

Average	2.00%	Max. allowable	3 %

A/V Ratio

Maximum	16.5 dB	Max. allowable	17 dB
Minimum	12.9 dB	Min. allowable	10 dB

TP File:	SEA1	81	11	0.0	0.0

Millennium
Signal Level Test Results

Model: SDA-4040D	Serial #: 0033582	**Cal Date: 09/27/05**
Operator: ?	File: SEA1	**DOS File: SEA1**
Date: 04/18/06	Time: 13:59:30	**0.0 0.0**
Description:		

Location:	Seattle Test Point One						
Channel	Label	Video	Audio	Delta A/V	C/N	Hum	Hum
		(dBmV)	(dBmV)	(dB)	(dB)	(%)	(dB)
2		18.7	3.8	14.9	49.5	2.0	-34.0
3		18.8	4.0	14.8			
4		18.4	3.6	14.8			
5		18.8	3.9	14.9			
6		18.4	3.4	15.0	51.4		
98		18.0	3.7	14.3			
99		17.6	3.2	14.4			
14		17.7	3.0	14.7			
15		17.1	1.8	15.3			
16		14.6	1.7	12.9			
17		16.8	2.4	14.4			
19		18.5	3.5	15.0			
20		18.7	3.3	15.4			
21		18.7	3.4	15.3	49.9		
22		18.6	4.1	14.5			
7		18.5	4.0	14.5			
8		18.5	3.5	15.0			
9		17.9	3.5	14.4			
10		19.1	3.6	15.5			
11		18.0	3.6	14.4			
12		17.7	4.7	13.0	50.4		
13		18.3	1.8	16.5			
23		17.3	3.3	14.0	50.3		
24		18.0	3.1	14.9			
25		17.5	3.1	14.4			
26		17.3	2.8	14.5			
27		17.5	3.0	14.5			
28		17.6	3.4	14.2			
29		16.8	2.8	14.0	***42.8***		
30		17.0	2.3	14.7			
31		18.3	2.3	16.0	51.3		
32		17.6	2.5	15.1			

Millennium
Signal Level Test Results

Location:	Seattle Test Point One						
Channel	Label	Video	Audio	Delta A/V	C/N	Hum	Hum
33		17.0	2.4	14.6			
34		17.4	2.5	14.9			
35		16.6	3.1	13.5			
36		17.3	2.5	14.8			
37		17.3	2.7	14.6			
38		17.2	3.5	13.7			
39		17.3	3.1	14.2			
40		17.1	2.9	14.2			
41		16.4	2.9	13.5			
42		16.7	2.7	14.0			
43		16.8	1.4	15.4			
44		16.7	2.3	14.4			
45		16.2	2.4	13.8			
46		16.5	1.8	14.7			
47		16.1	1.5	14.6			
48		15.8	1.8	14.0			
49		17.1	2.6	14.5	50.5		
50		16.3	2.0	14.3			
51		15.8	1.3	14.5			
52		15.7	1.6	14.1			
53		14.9	1.9	13.0			
54		15.4	1.4	14.0			
55		15.8	1.3	14.5	47.2		
56		15.0	1.1	13.9			
57		16.0	0.7	15.3			
58		16.0	1.4	14.6			
59		15.9	1.6	14.3			
60		16.1	1.6	14.5			
62		16.1	1.5	14.6			
63		15.4	1.4	14.0			
64		15.6	1.5	14.1			
65		15.6	1.4	14.2			
67		14.3	1.4	12.9			
68		15.7	2.4	13.3	51.0		
69		15.4	1.7	13.7			
70		16.0	1.7	14.3			
71		15.9	1.9	14.0			
72		15.6	1.1	14.5			
73		14.7	0.2	14.5			

Millennium
Signal Level Test Results

Location:	Seattle Test Point One						
Channel	Label	Video	Audio	Delta A/V	C/N	Hum	Hum
74		14.4	-0.1	14.5			
75		14.6	-0.2	14.8			
76		14.6	0.1	14.5			
77		13.5	0.2	13.3	51.6		
78		14.3	0.1	14.2			
79		14.2	0.1	14.1			
80		13.2	-0.7	13.9			
81		13.1	-0.1	13.2			
82		13.6	-0.3	13.9			
83		13.1	-0.8	13.9			