

DTV Channel 6 Interference to FM Band Reception

Laboratory Test Report

Test Results Based on Minimum DTV Out of Band Emissions C3

Section: 4.3.1
 Engr(s): DML
 Date: 4/14/98

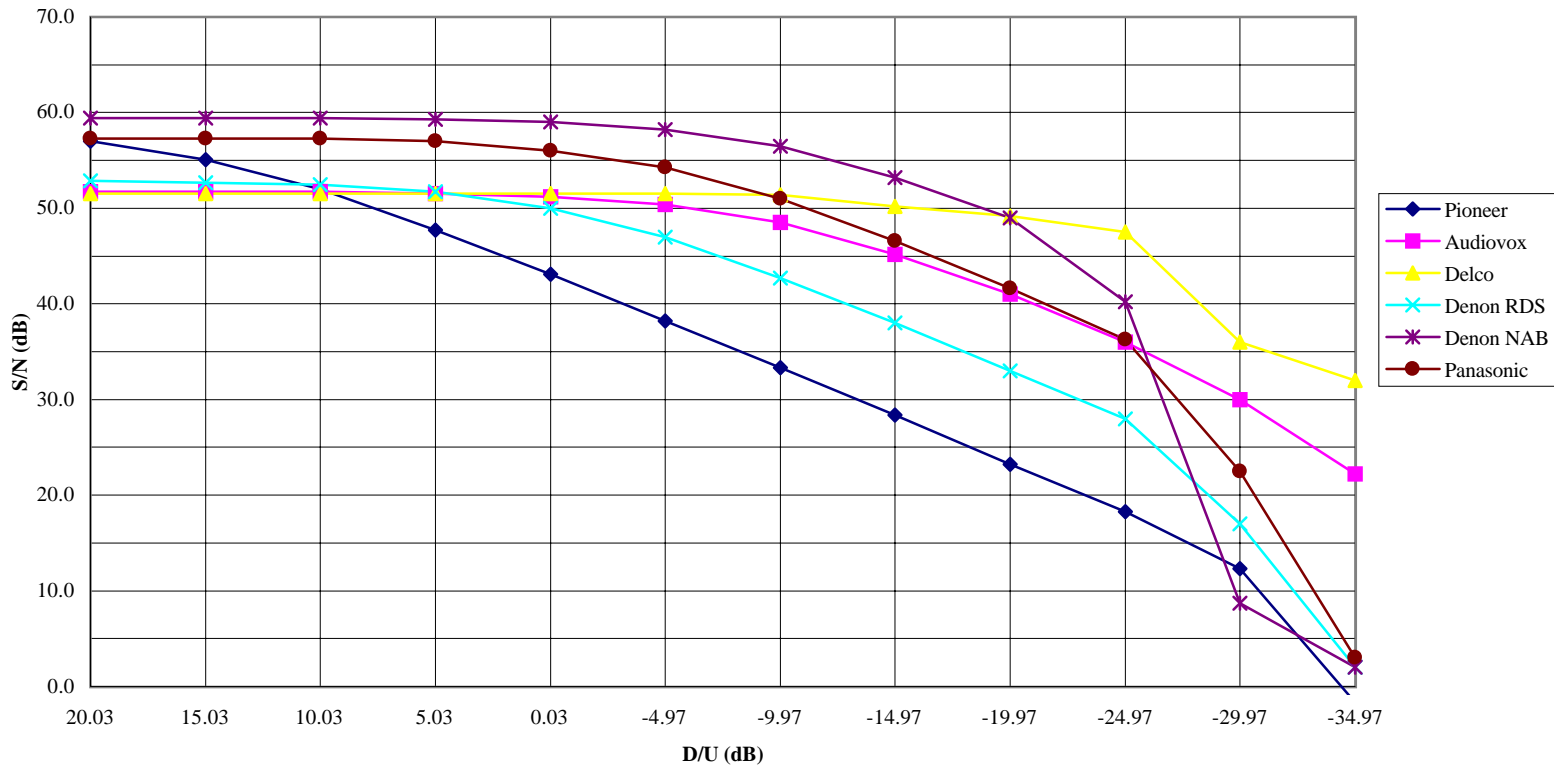
Signal Level: -56 dBm
 Corrector Setting: 3

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.33	-3.36

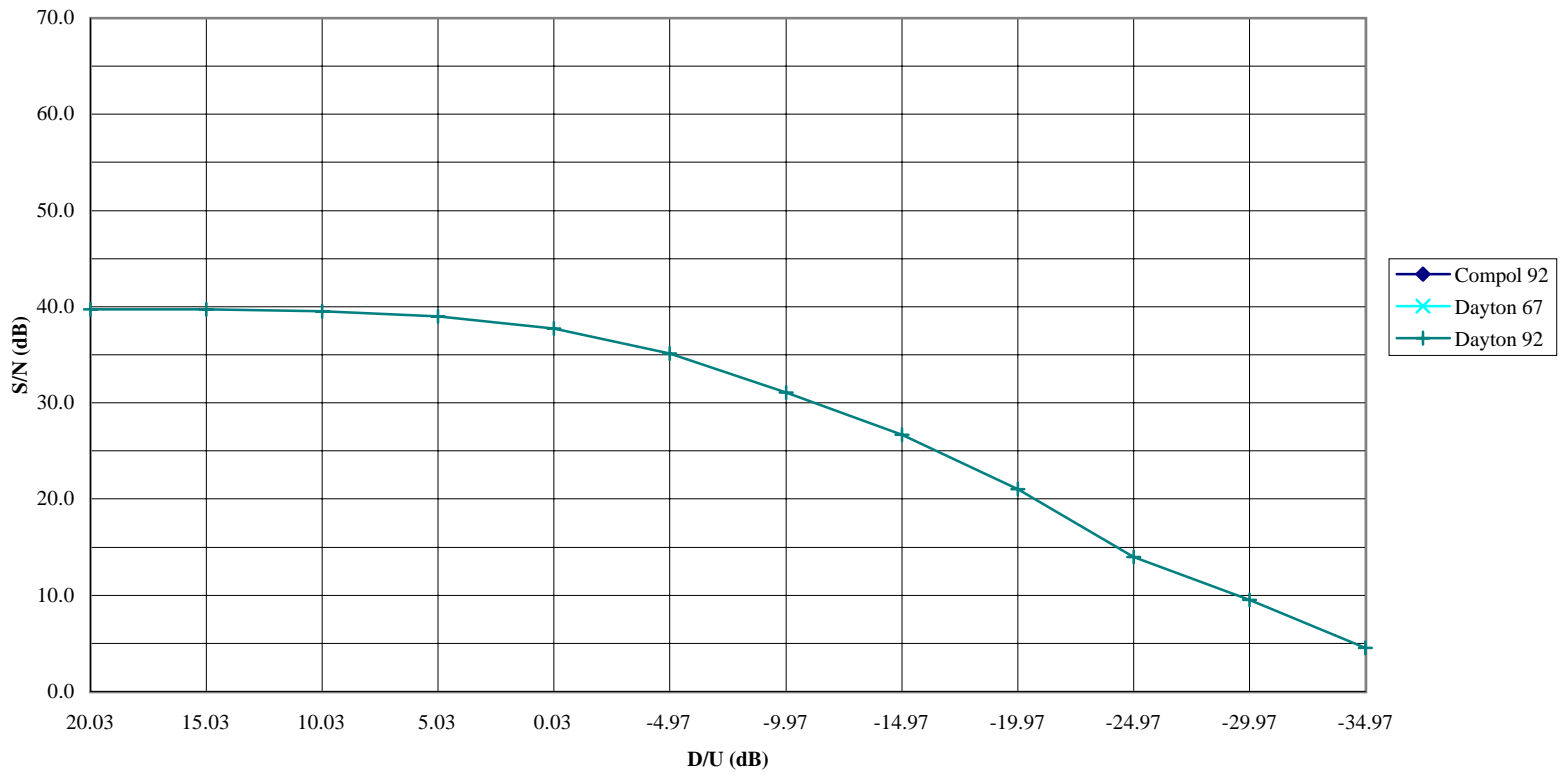
0 dB D/U = -34.97

Attn (dB)	D/U (dB)	Pioneer S/N (dB)	Audiovox S/N (dB)	Delco S/N (dB)	Denon		Panasonic S/N (dB)	Dayton 92 kHz S/N (dB)	Dayton 67 kHz S/N (dB)	Compol 92 kHz S/N (dB)
					RDS S/N (dB)	NAB S/N (dB)				
		58.0	51.7	51.5	53.0	59.4	57.3	39.7		
55.0	20.03	57.0	51.7	51.5	52.9	59.4	57.3	39.7		
50.0	15.03	55.1	51.7	51.5	52.7	59.4	57.3	39.7		
45.0	10.03	52.0	51.7	51.5	52.5	59.4	57.3	39.5		
40.0	5.03	47.7	51.5	51.5	51.7	59.3	57.0	39.0		
35.0	0.03	43.1	51.2	51.5	50.0	59	56.0	37.7		
30.0	-4.97	38.2	50.4	51.5	47.0	58.2	54.3	35.1		
25.0	-9.97	33.3	48.5	51.4	42.7	56.5	51.0	31.1		
20.0	-14.97	28.4	45.2	50.2	38.0	53.2	46.6	26.7		
15.0	-19.97	23.2	41.0	49.2	33.0	49.0	41.6	21.0		
10.0	-24.97	18.3	36.0	47.5	28.0	40.2	36.3	14.0		
5.0	-29.97	12.3	30.0	36.0	17.0	8.7	22.5	9.5		
0.0	-34.97	-1.7	22.2	32.0	2.0	2.0	3.0	4.5		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.3.2
 Engr(s): DML
 Date: 4/14/98

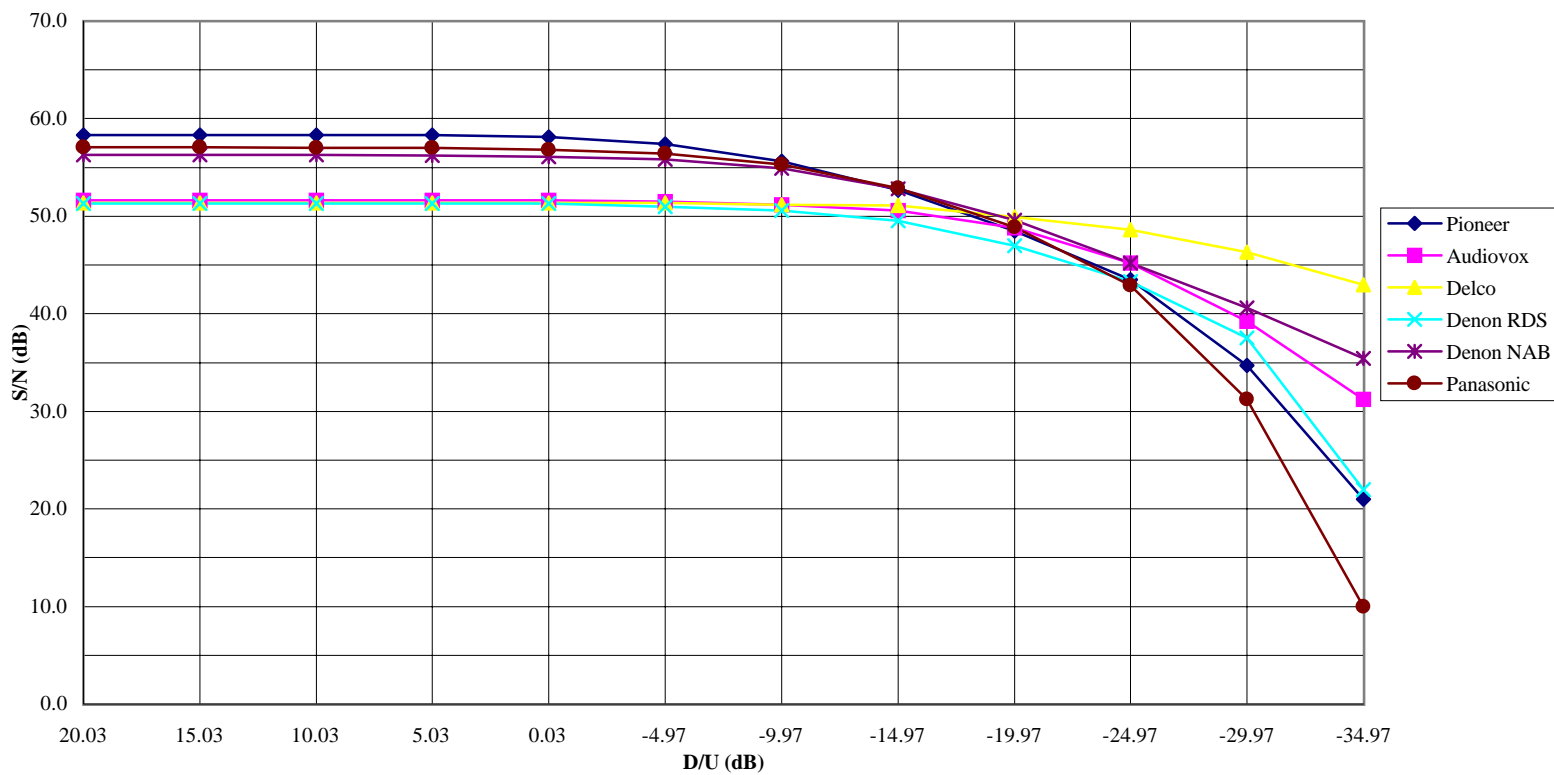
Signal Level: -56 dBm
 Corrector Setting: 3

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.33	-3.36

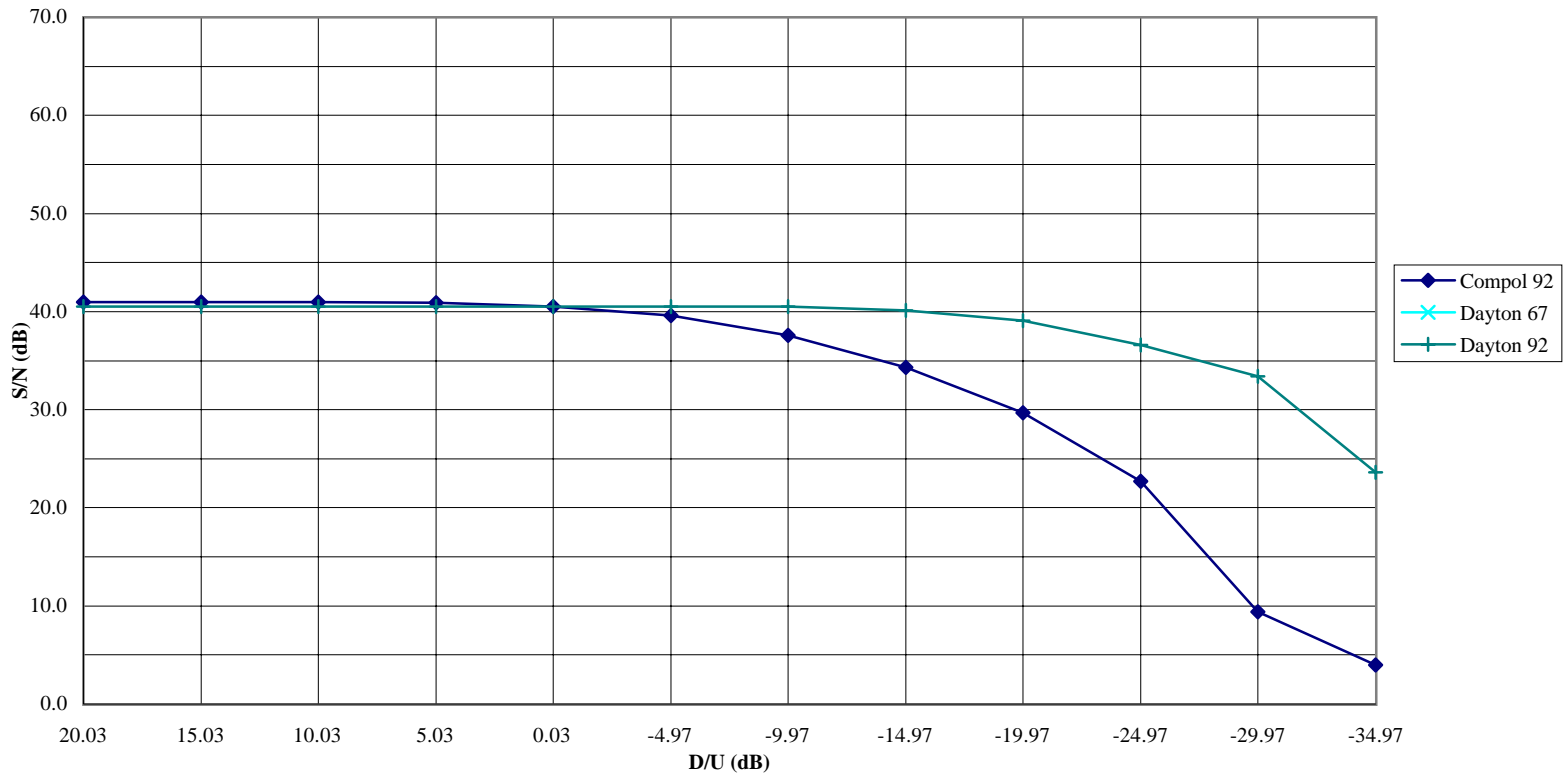
0 dB D/U = -34.97

Attn (dB)	D/U (dB)	Pioneer S/N (dB)	Audiovox S/N (dB)	Delco S/N (dB)	Denon		Panasonic S/N (dB)	Dayton 92 kHz S/N (dB)	Dayton 67 kHz S/N (dB)	Compol 92 kHz S/N (dB)
					RDS S/N (dB)	NAB S/N (dB)				
		58.3	51.6	51.4	51.3	56.3	57.1	40.5		41.0
55.0	20.03	58.3	51.6	51.4	51.3	56.3	57.1	40.5		41.0
50.0	15.03	58.3	51.6	51.4	51.3	56.3	57.1	40.5		41.0
45.0	10.03	58.3	51.6	51.4	51.3	56.3	57.0	40.5		41.0
40.0	5.03	58.3	51.6	51.4	51.3	56.2	57.0	40.5		40.9
35.0	0.03	58.1	51.6	51.4	51.3	56.1	56.8	40.5		40.5
30.0	-4.97	57.4	51.5	51.4	51.0	55.8	56.4	40.5		39.6
25.0	-9.97	55.6	51.2	51.2	50.6	54.9	55.3	40.5		37.6
20.0	-14.97	52.7	50.6	51.1	49.5	52.8	52.9	40.1		34.3
15.0	-19.97	48.5	48.8	49.9	47.0	49.6	48.9	39.1		29.7
10.0	-24.97	43.5	45.2	48.6	43.3	45.2	42.9	36.6		22.7
5.0	-29.97	34.7	39.2	46.3	37.5	40.6	31.2	33.4		9.4
0.0	-34.97	21.0	31.2	43.0	22.0	35.4	10.0	23.6		4.0
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.3.3
 Engr(s): DML
 Date: 4/14/98

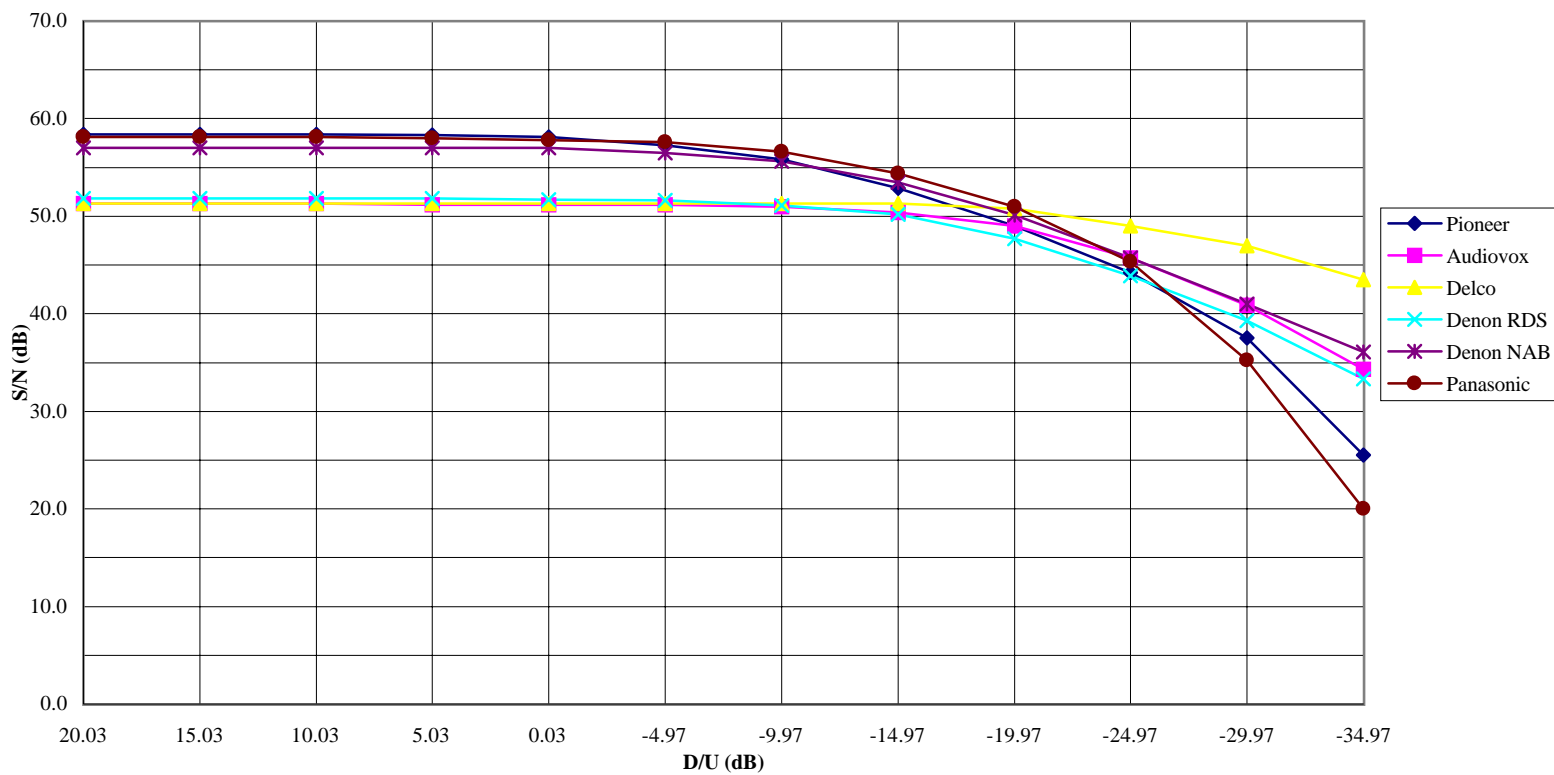
Signal Level: -56 dBm
 Corrector Setting: 3

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.33	-3.36

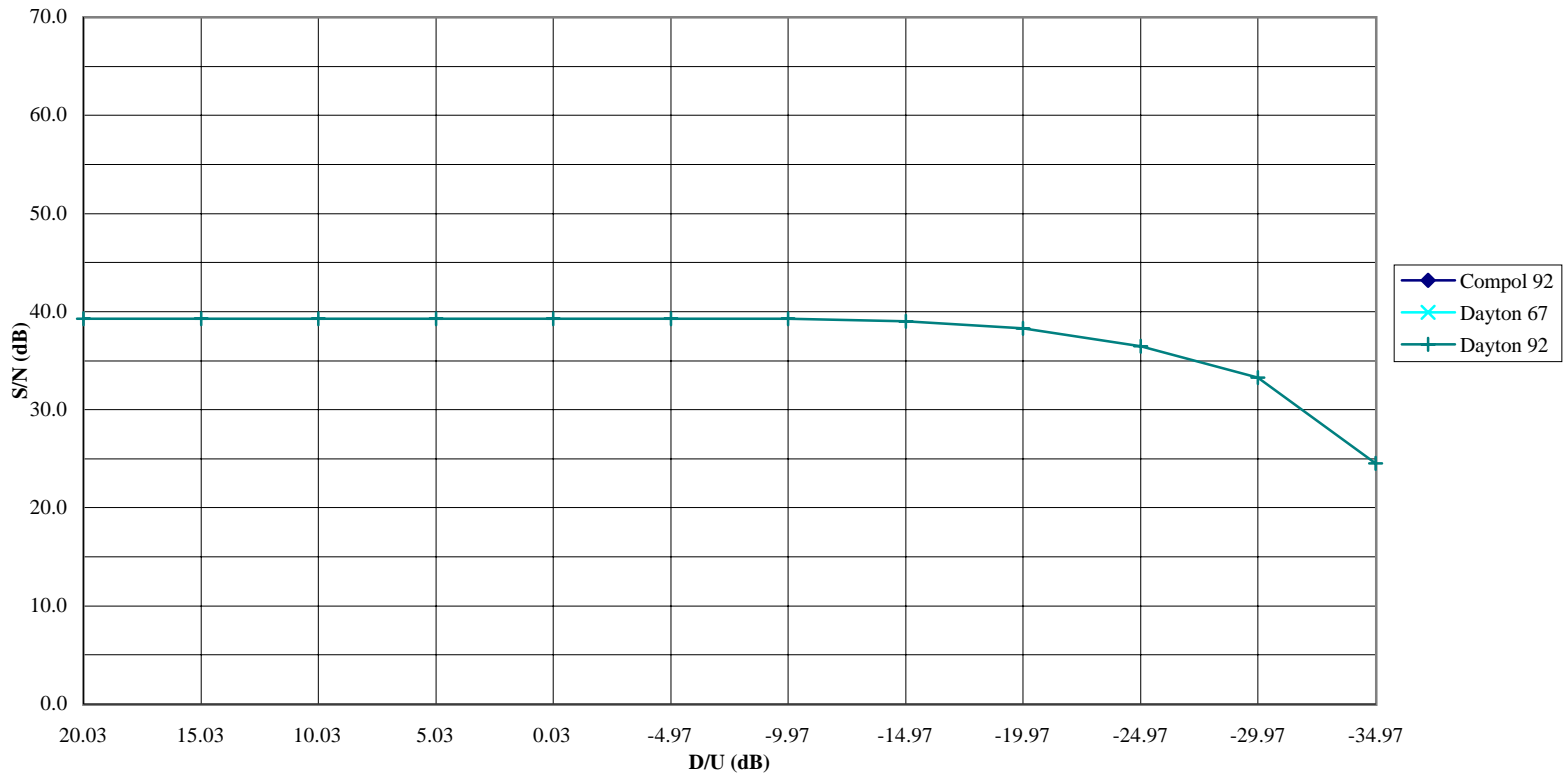
0 dB D/U = -34.97

Attn (dB)	D/U (dB)	Pioneer S/N (dB)	Audiovox S/N (dB)	Delco S/N (dB)	Denon		Panasonic S/N (dB)	Dayton 92 kHz S/N (dB)	Dayton 67 kHz S/N (dB)	Compol 92 kHz S/N (dB)
					RDS S/N (dB)	NAB S/N (dB)				
		58.4	51.3	51.3	51.8	57	58.1	39.3		
55.0	20.03	58.4	51.3	51.3	51.8	57	58.1	39.3		
50.0	15.03	58.4	51.3	51.3	51.8	57	58.1	39.3		
45.0	10.03	58.4	51.3	51.3	51.8	57	58.1	39.3		
40.0	5.03	58.3	51.2	51.3	51.8	57	58.0	39.3		
35.0	0.03	58.1	51.2	51.3	51.7	57	57.8	39.3		
30.0	-4.97	57.3	51.2	51.3	51.6	56.5	57.6	39.3		
25.0	-9.97	55.8	51.0	51.3	51.1	55.6	56.6	39.3		
20.0	-14.97	52.9	50.4	51.3	50.2	53.5	54.4	39.0		
15.0	-19.97	49.0	49.0	50.8	47.7	50.1	51.0	38.3		
10.0	-24.97	44.2	45.7	49.0	43.9	45.7	45.3	36.5		
5.0	-29.97	37.5	40.9	47.0	39.3	41.0	35.2	33.3		
0.0	-34.97	25.5	34.3	43.5	33.3	36.1	20.0	24.5		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.3.4
 Engr(s): TK, DML
 Date: 3/4/98

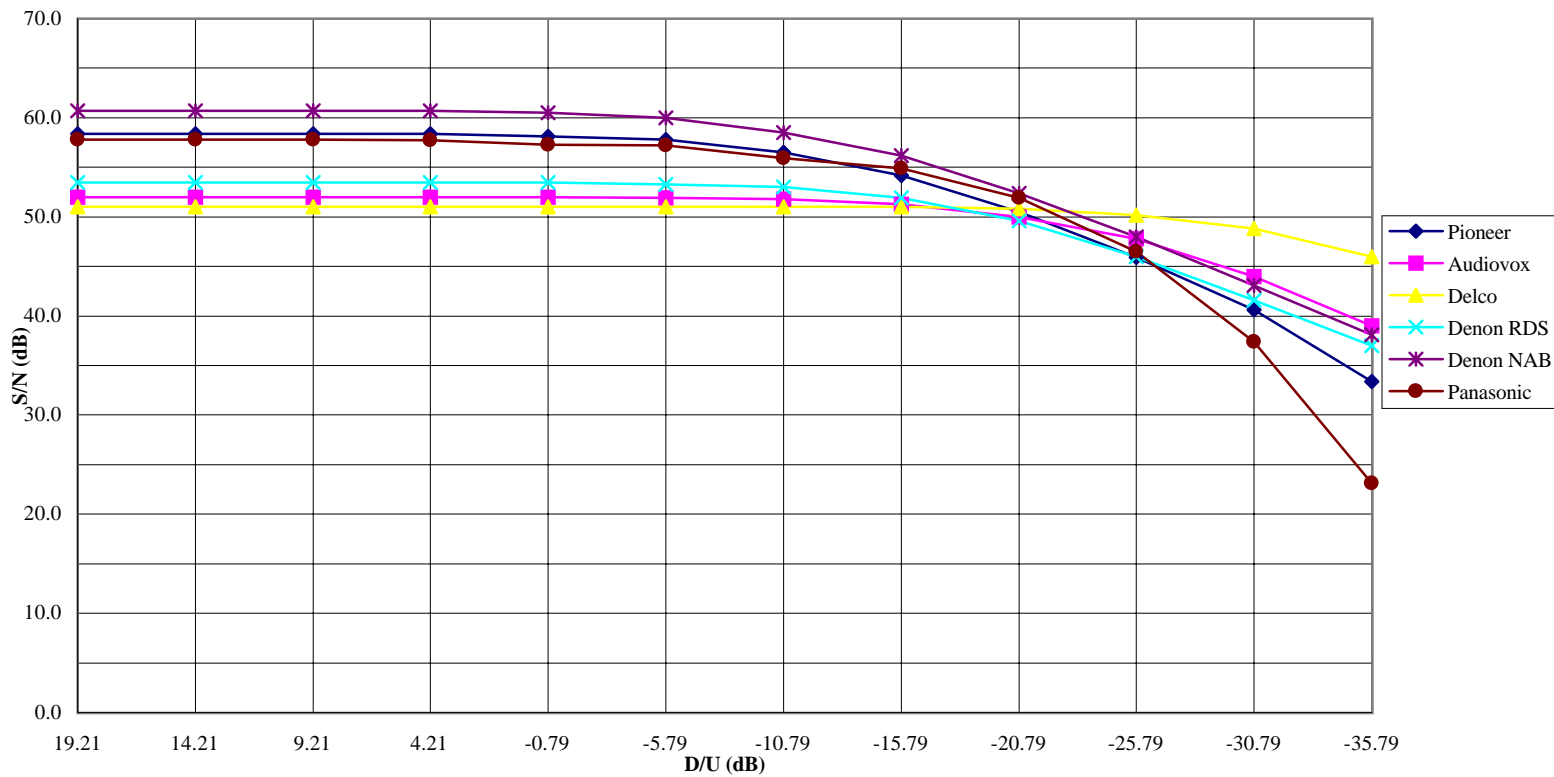
Signal Level: -56 dBm
 Corrector Setting: 3

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.12	-2.33

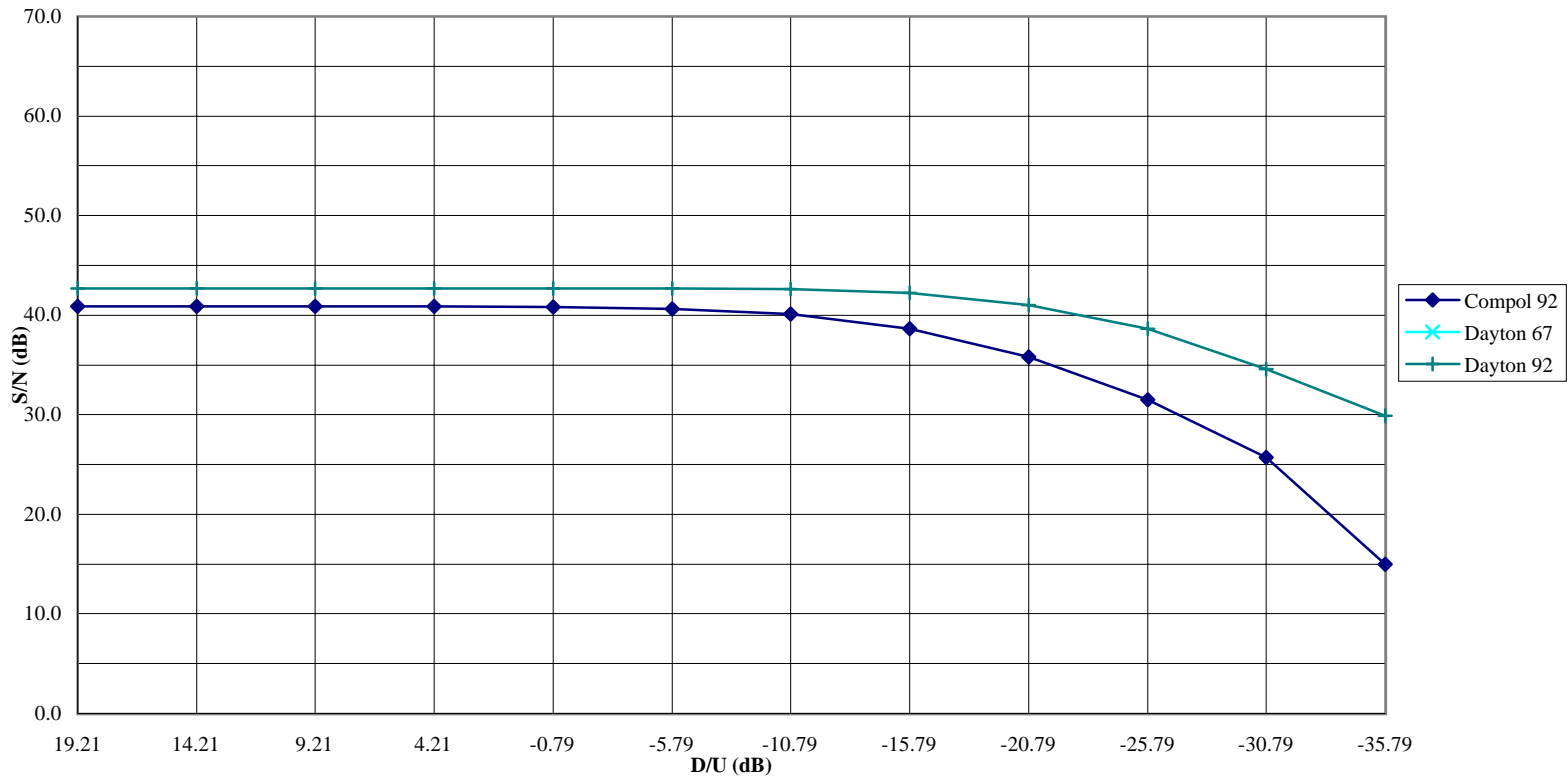
0 dB D/U = -35.79

Attn (dB)	D/U (dB)	Pioneer S/N (dB)	Audiovox S/N (dB)	Delco S/N (dB)	Denon		Panasonic S/N (dB)	Dayton 92 kHz S/N (dB)	Dayton 67 kHz S/N (dB)	Compol 92 kHz S/N (dB)
					RDS S/N (dB)	NAB S/N (dB)				
					S/N (dB)	S/N (dB)				
		58.4	52.0	51.0	53.5	60.7	57.8	42.7		40.9
55.0	19.21	58.4	52.0	51.0	53.5	60.7	57.8	42.7		40.9
50.0	14.21	58.4	52.0	51.0	53.5	60.7	57.8	42.7		40.9
45.0	9.21	58.4	52.0	51.0	53.5	60.7	57.8	42.7		40.9
40.0	4.21	58.4	52.0	51.0	53.5	60.7	57.7	42.7		40.9
35.0	-0.79	58.1	52.0	51.0	53.5	60.5	57.3	42.7		40.8
30.0	-5.79	57.8	51.9	51.0	53.3	60.0	57.2	42.7		40.6
25.0	-10.79	56.5	51.8	51.0	53.0	58.5	55.9	42.6		40.1
20.0	-15.79	54.2	51.3	51.0	51.9	56.2	54.9	42.2		38.6
15.0	-20.79	50.5	50.0	50.8	49.6	52.4	51.9	41.0		35.8
10.0	-25.79	45.9	47.8	50.2	46.0	48.0	46.5	38.6		31.5
5.0	-30.79	40.6	44.0	48.8	41.6	43.1	37.4	34.6		25.7
0.0	-35.79	33.4	39.0	46.0	37.0	38.1	23.1	29.9		15.0
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.3.5
 Engr(s): TK, DML
 Date: 3/4/98

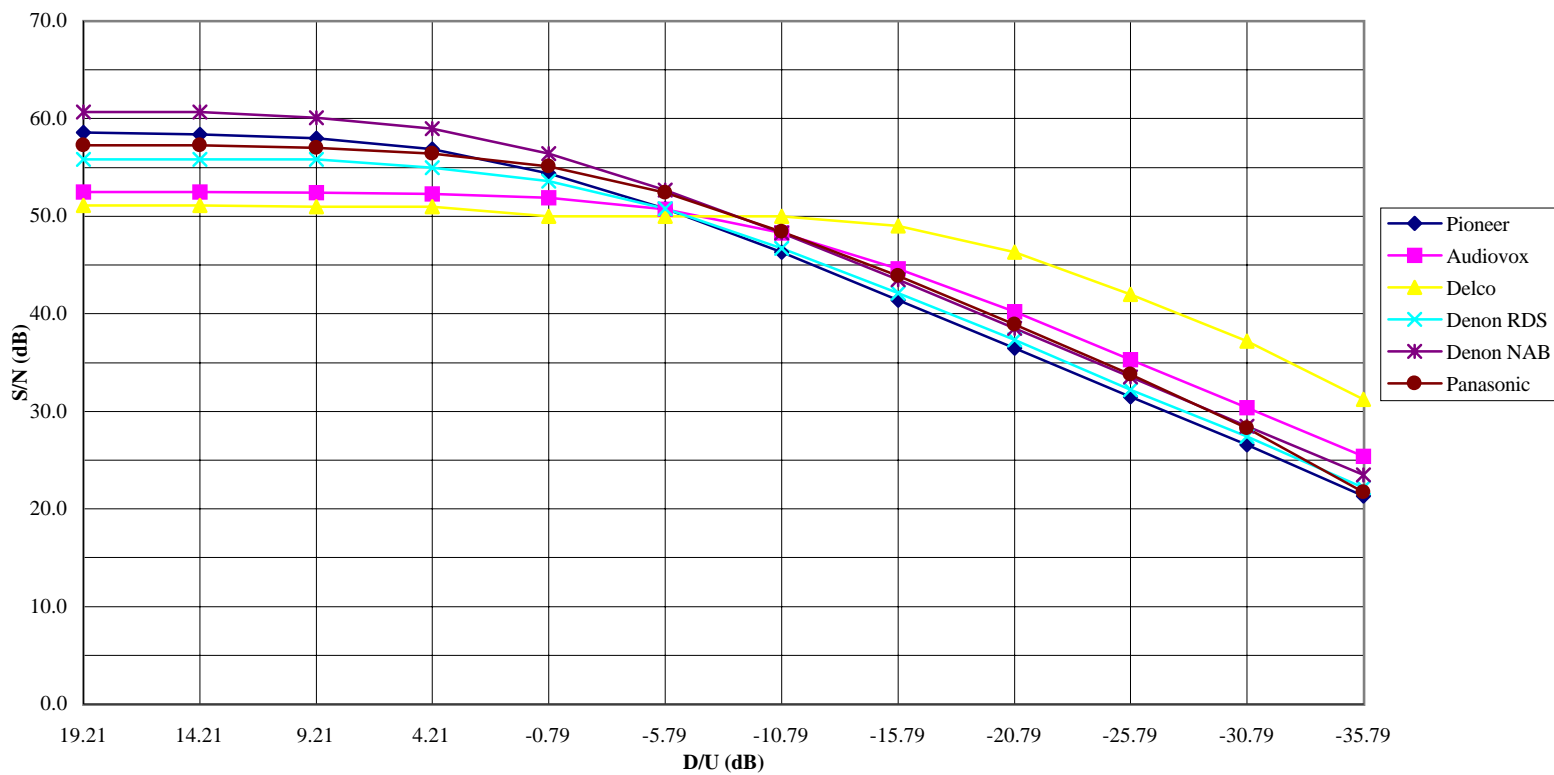
Signal Level: -56 dBm
 Corrector Setting: 3

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.12	-2.33

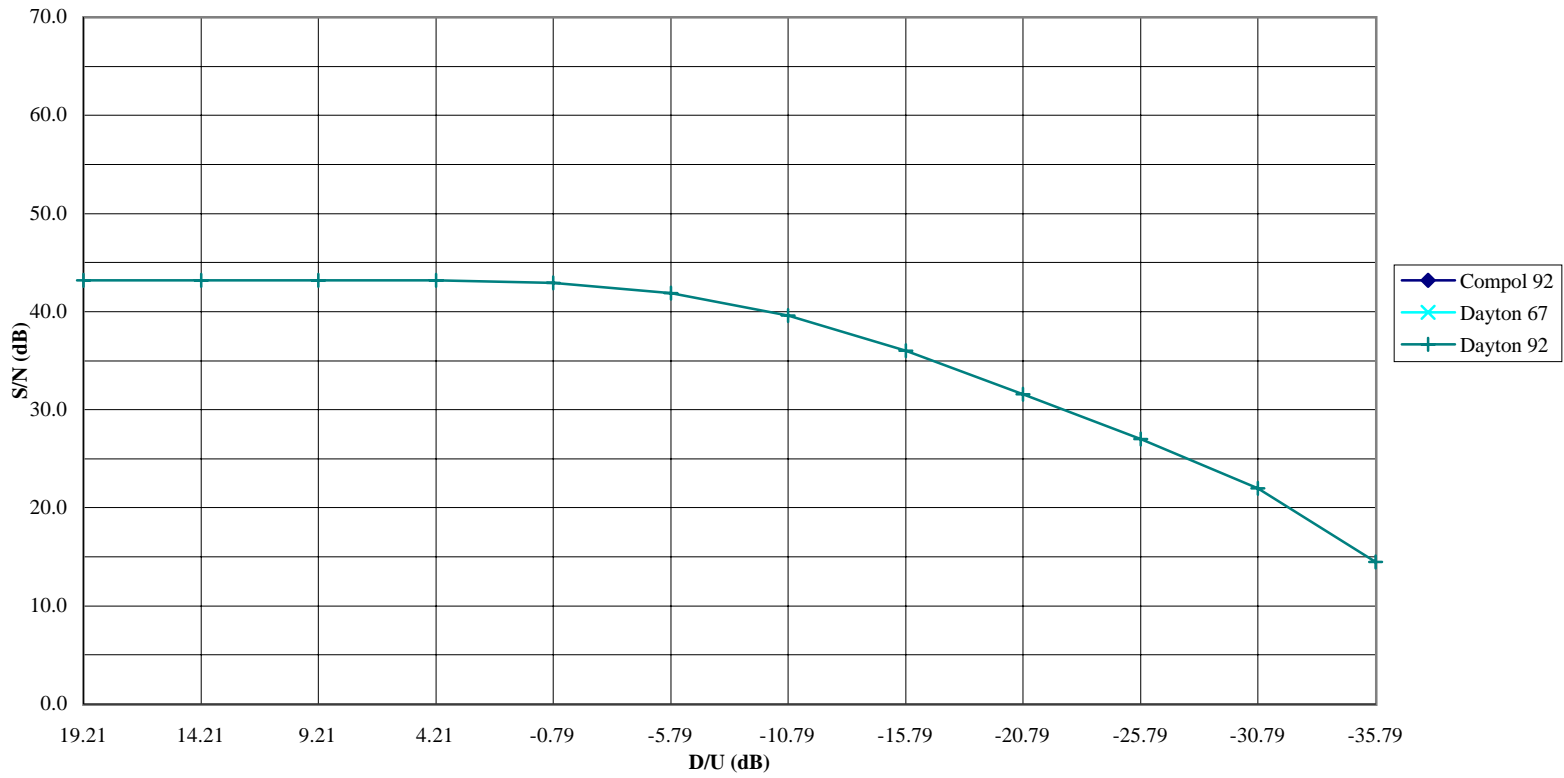
0 dB D/U = -35.79

Attn (dB)	D/U (dB)	Pioneer S/N (dB)	Audiovox S/N (dB)	Delco S/N (dB)	Denon		Panasonic S/N (dB)	Dayton 92 kHz S/N (dB)	Dayton 67 kHz S/N (dB)	Compol 92 kHz S/N (dB)
					RDS S/N (dB)	NAB S/N (dB)				
					S/N (dB)	S/N (dB)				
		58.6	52.5	51.1	55.8	60.7	57.3	43.2		
55.0	19.21	58.6	52.5	51.1	55.8	60.7	57.3	43.2		
50.0	14.21	58.4	52.5	51.1	55.8	60.7	57.3	43.2		
45.0	9.21	58.0	52.4	51.0	55.8	60.1	57.0	43.2		
40.0	4.21	56.9	52.3	51.0	55.0	59	56.4	43.2		
35.0	-0.79	54.4	51.9	50.0	53.6	56.4	55.1	42.9		
30.0	-5.79	50.8	50.7	50.0	50.8	52.7	52.4	41.9		
25.0	-10.79	46.3	48.3	50.0	46.7	48.3	48.4	39.6		
20.0	-15.79	41.4	44.6	49.0	42.1	43.5	43.9	36.0		
15.0	-20.79	36.5	40.2	46.3	37.3	38.5	38.9	31.6		
10.0	-25.79	31.5	35.3	42.0	32.2	33.5	33.8	27.0		
5.0	-30.79	26.6	30.4	37.2	27.4	28.5	28.3	22.0		
0.0	-35.79	21.3	25.4	31.2	22.2	23.5	21.7	14.5		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.3.6
 Engr(s): TK, DML
 Date: 3/4/98

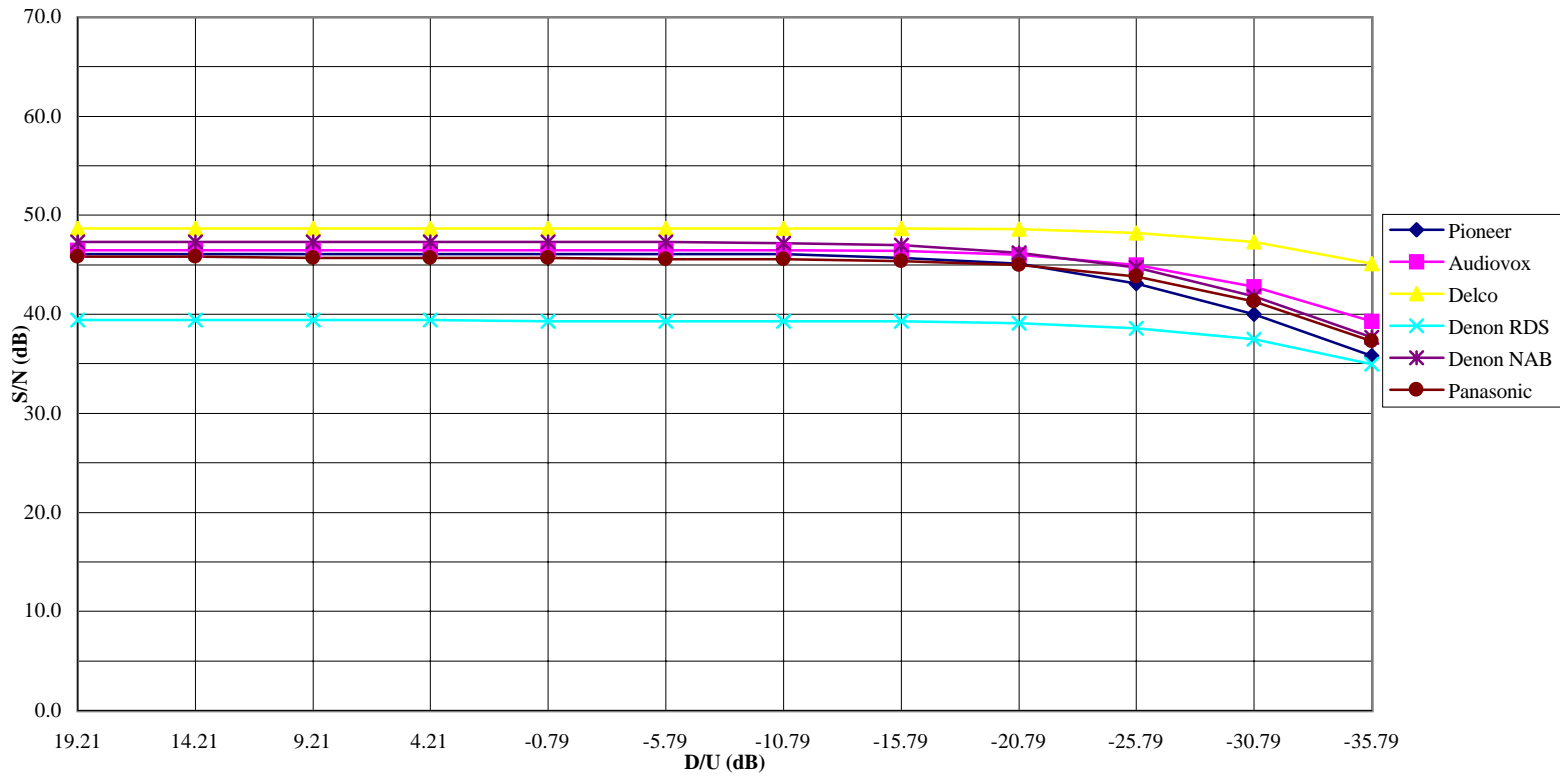
Signal Level: -71 dBm
 Corrector Setting: 3

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.12	-2.33

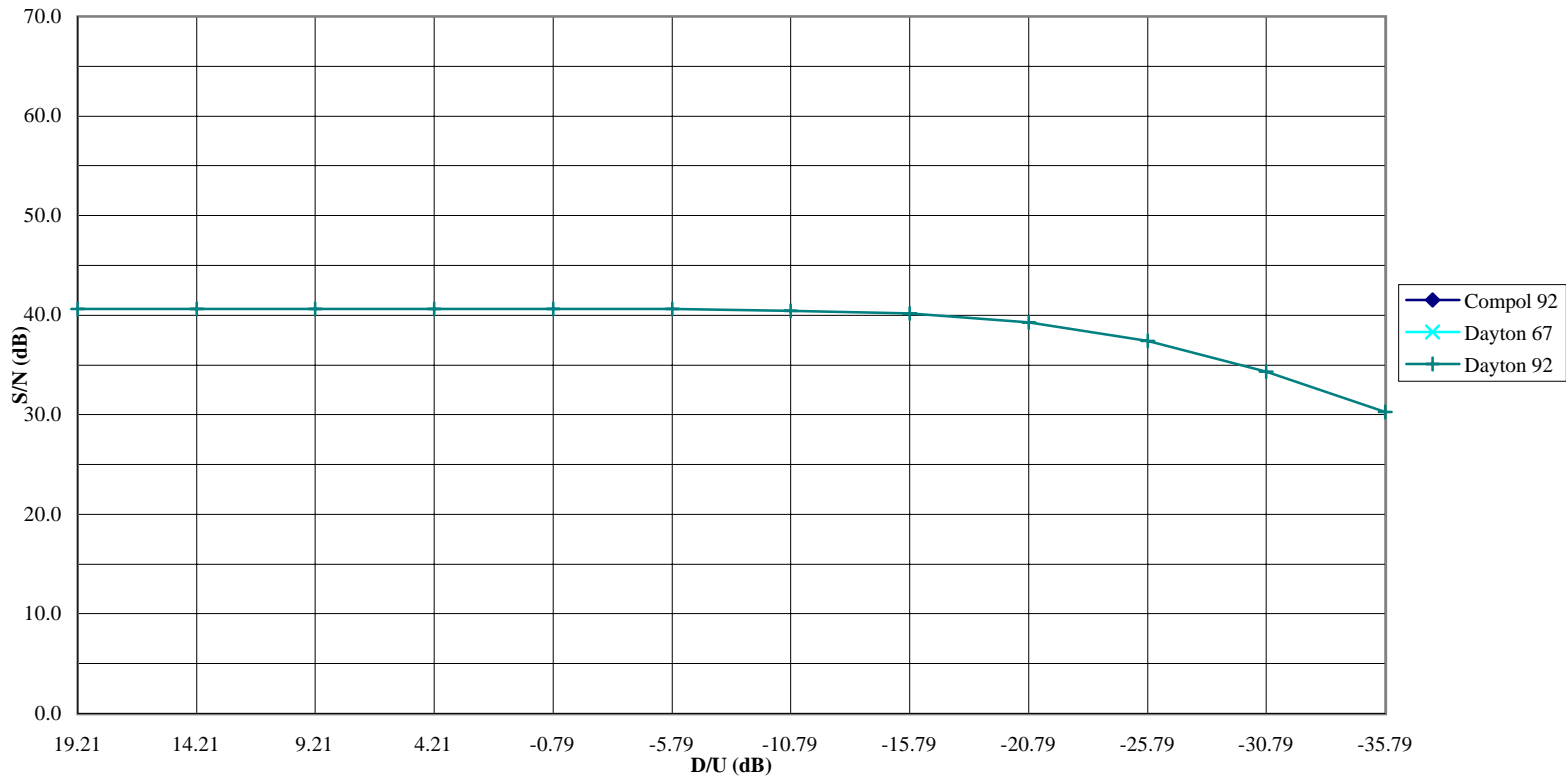
0 dB D/U = -35.79

Attn (dB)	D/U (dB)	Pioneer S/N (dB)	Audiovox S/N (dB)	Delco S/N (dB)	Denon		Panasonic S/N (dB)	Dayton 92 kHz S/N (dB)	Dayton 67 kHz S/N (dB)	Compol 92 kHz S/N (dB)
					RDS S/N (dB)	NAB S/N (dB)				
					S/N (dB)	S/N (dB)				
		46.1	46.5	48.7	39.4	47.3	45.8	40.6		
55.0	19.21	46.1	46.5	48.7	39.4	47.3	45.8	40.6		
50.0	14.21	46.1	46.5	48.7	39.4	47.3	45.8	40.6		
45.0	9.21	46.1	46.5	48.7	39.4	47.3	45.7	40.6		
40.0	4.21	46.1	46.5	48.7	39.4	47.3	45.7	40.6		
35.0	-0.79	46.1	46.5	48.7	39.3	47.3	45.7	40.6		
30.0	-5.79	46.1	46.5	48.7	39.3	47.3	45.6	40.6		
25.0	-10.79	46.1	46.5	48.7	39.3	47.2	45.6	40.4		
20.0	-15.79	45.7	46.4	48.7	39.3	47.0	45.4	40.2		
15.0	-20.79	45.1	46.0	48.6	39.1	46.2	45.0	39.3		
10.0	-25.79	43.1	45.0	48.2	38.6	44.7	43.8	37.4		
5.0	-30.79	40.0	42.8	47.3	37.5	41.8	41.3	34.3		
0.0	-35.79	35.8	39.3	45.1	35.0	37.7	37.3	30.3		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.3.7
 Engr(s): TK, DML
 Date: 3/4/98

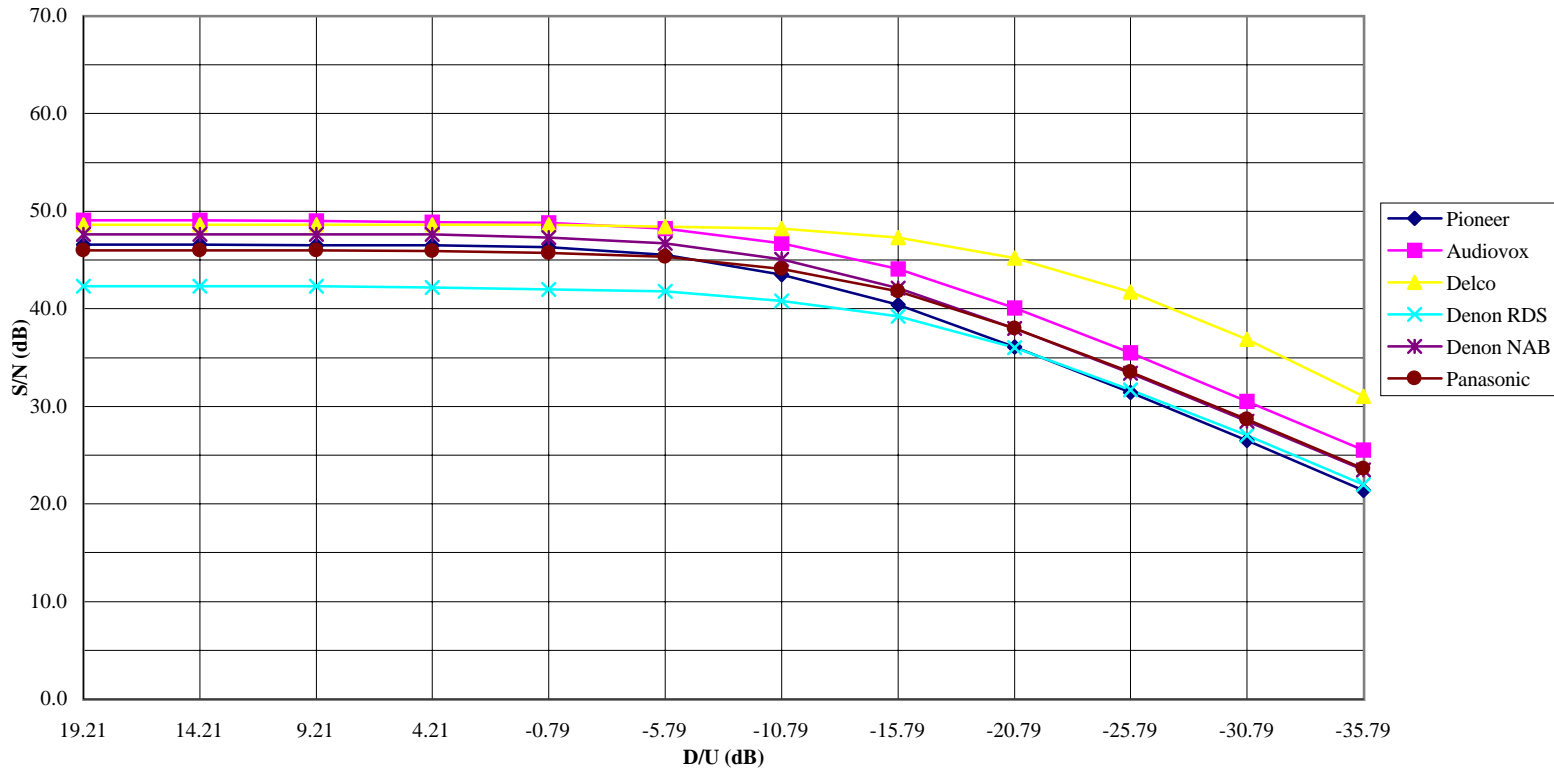
Signal Level: -71 dBm
 Corrector Setting: 3

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.12	-2.33

0 dB D/U = -35.79

Attn (dB)	D/U (dB)	Pioneer S/N (dB)	Audiovox S/N (dB)	Delco S/N (dB)	Denon		Panasonic S/N (dB)	Dayton 92 kHz S/N (dB)	Dayton 67 kHz S/N (dB)	Compol 92 kHz S/N (dB)
					RDS S/N (dB)	NAB S/N (dB)				
					S/N (dB)	S/N (dB)				
		46.6	49.1	48.6	42.3	47.6	46.0	41.5		
55.0	19.21	46.6	49.1	48.6	42.3	47.6	46.0	41.5		
50.0	14.21	46.6	49.1	48.6	42.3	47.6	46.0	41.5		
45.0	9.21	46.5	49.0	48.6	42.3	47.6	46.0	41.5		
40.0	4.21	46.5	48.9	48.6	42.2	47.6	45.9	41.4		
35.0	-0.79	46.3	48.8	48.6	42.0	47.3	45.7	41.2		
30.0	-5.79	45.5	48.2	48.4	41.8	46.7	45.3	40.4		
25.0	-10.79	43.5	46.7	48.2	40.8	45.1	44.1	38.6		
20.0	-15.79	40.4	44.1	47.3	39.2	42.1	41.8	35.5		
15.0	-20.79	36.1	40.1	45.2	36.0	38.0	38.0	31.5		
10.0	-25.79	31.4	35.5	41.7	31.7	33.4	33.5	27.0		
5.0	-30.79	26.5	30.5	36.9	27.0	28.5	28.7	22.0		
0.0	-35.79	21.4	25.5	31.0	22.0	23.5	23.6	14.4		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U

