

**DTV Channel 6 Interference to FM Band Reception**

**Laboratory Test Report**

**Test Results Based on FCC Specifications prior to February 23, 1998 C1**

Section: 4.1.1  
 Engr(s): TK, DML  
 Date: 2/27/98

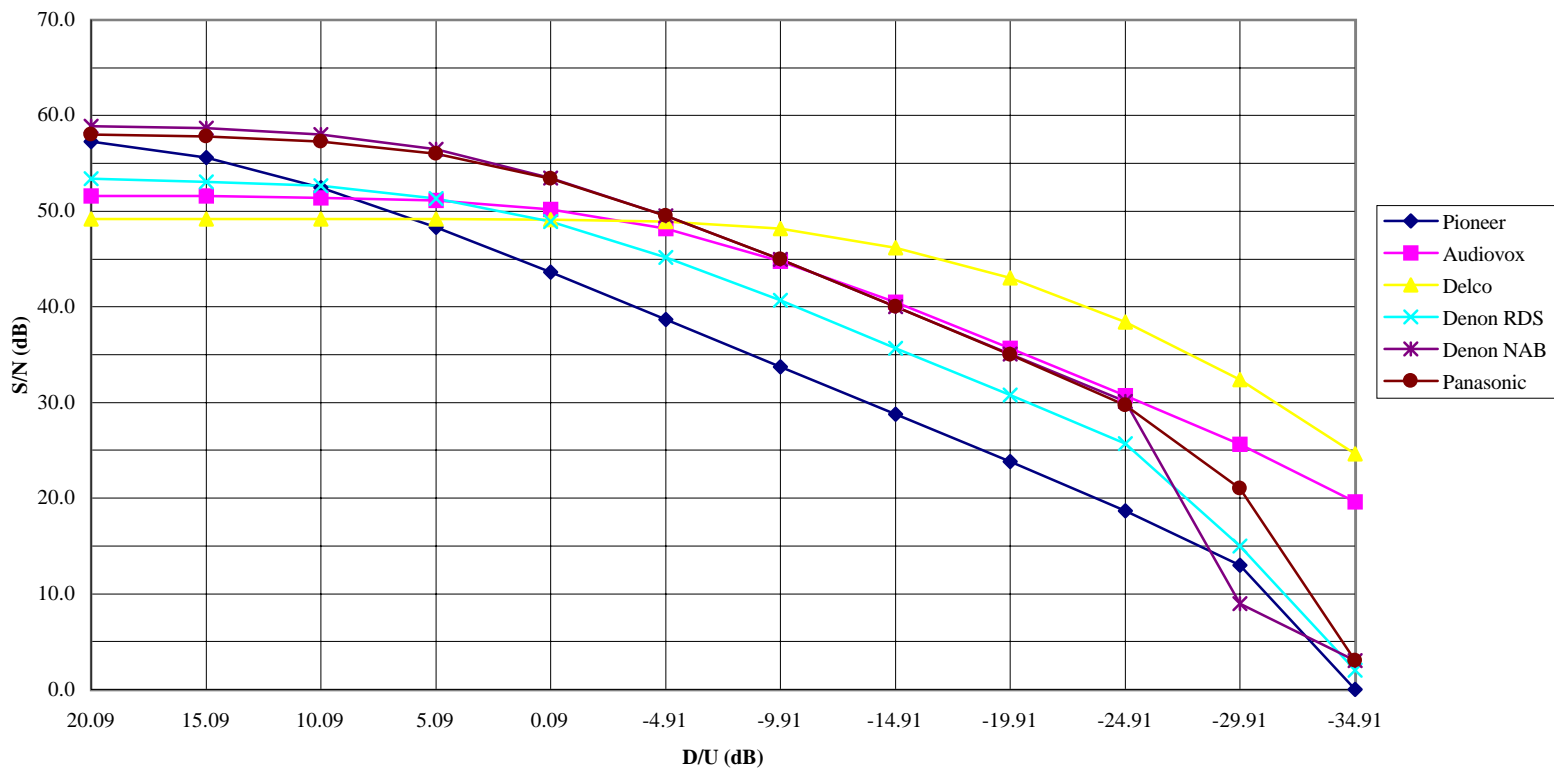
Signal Level: -56 dBm  
 Corrector Setting: 1

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.21	-3.30

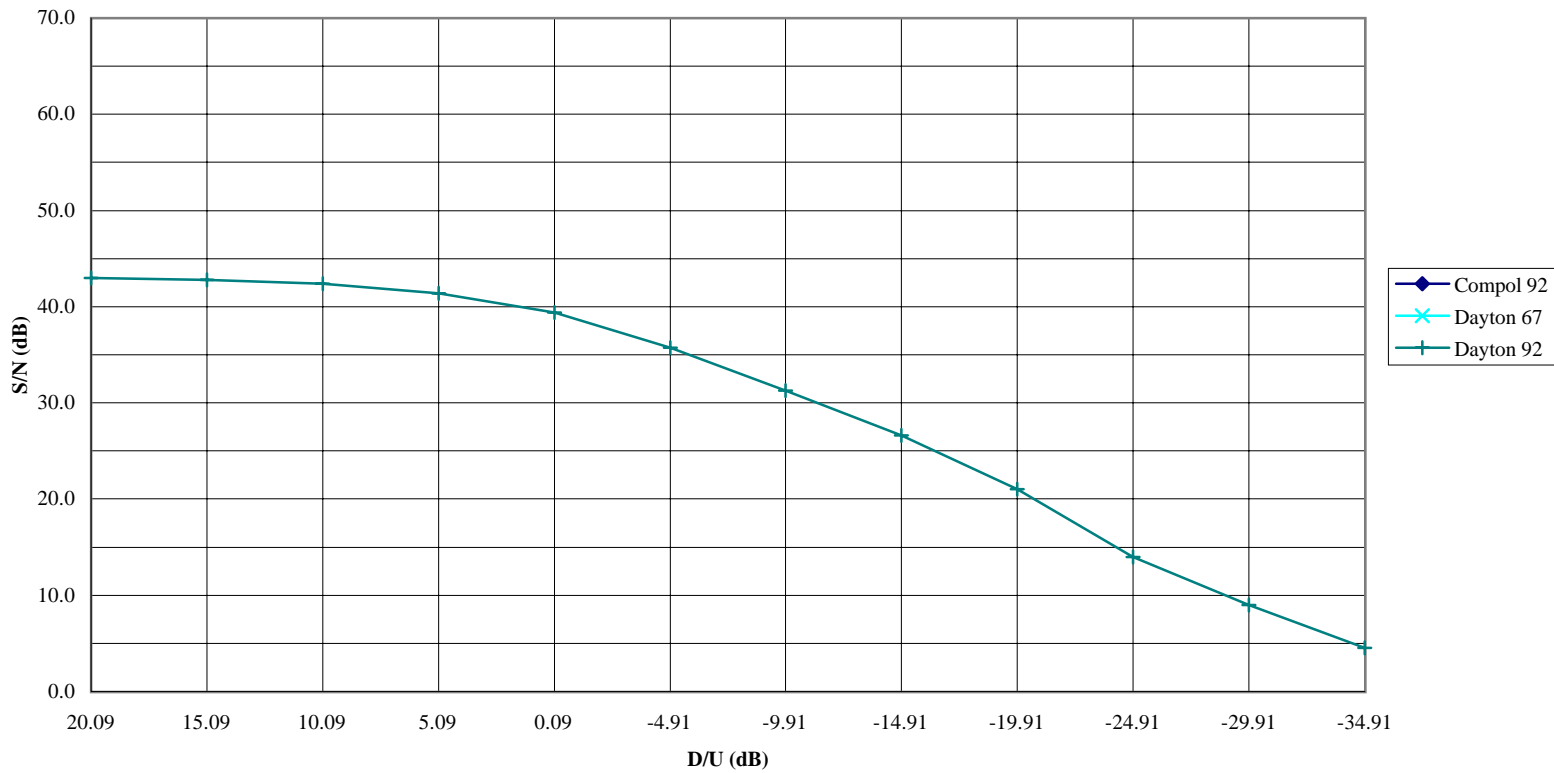
0 dB D/U = -34.91

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)				
		58.3	51.6	49.2	53.4	58.9	58.0	43.0		
55.0	20.09	57.3	51.6	49.2	53.4	58.9	58.0	43.0		
50.0	15.09	55.6	51.6	49.2	53.1	58.7	57.8	42.8		
45.0	10.09	52.5	51.4	49.2	52.7	58	57.3	42.4		
40.0	5.09	48.3	51.1	49.2	51.3	56.5	56.0	41.4		
35.0	0.09	43.6	50.2	49.1	48.9	53.5	53.4	39.4		
30.0	-4.91	38.7	48.2	48.9	45.2	49.5	49.5	35.7		
25.0	-9.91	33.7	44.8	48.2	40.7	45.0	45.0	31.3		
20.0	-14.91	28.8	40.5	46.2	35.7	40.0	40.0	26.6		
15.0	-19.91	23.8	35.7	43.0	30.8	35.1	35.0	21.0		
10.0	-24.91	18.7	30.7	38.4	25.7	30.1	29.7	14.0		
5.0	-29.91	13.0	25.6	32.4	15.0	9.0	21.0	9.0		
0.0	-34.91	0.0	19.6	24.6	2.0	3.0	3.0	4.5		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.1.2  
 Engr(s): TK, DML  
 Date: 2/27/98

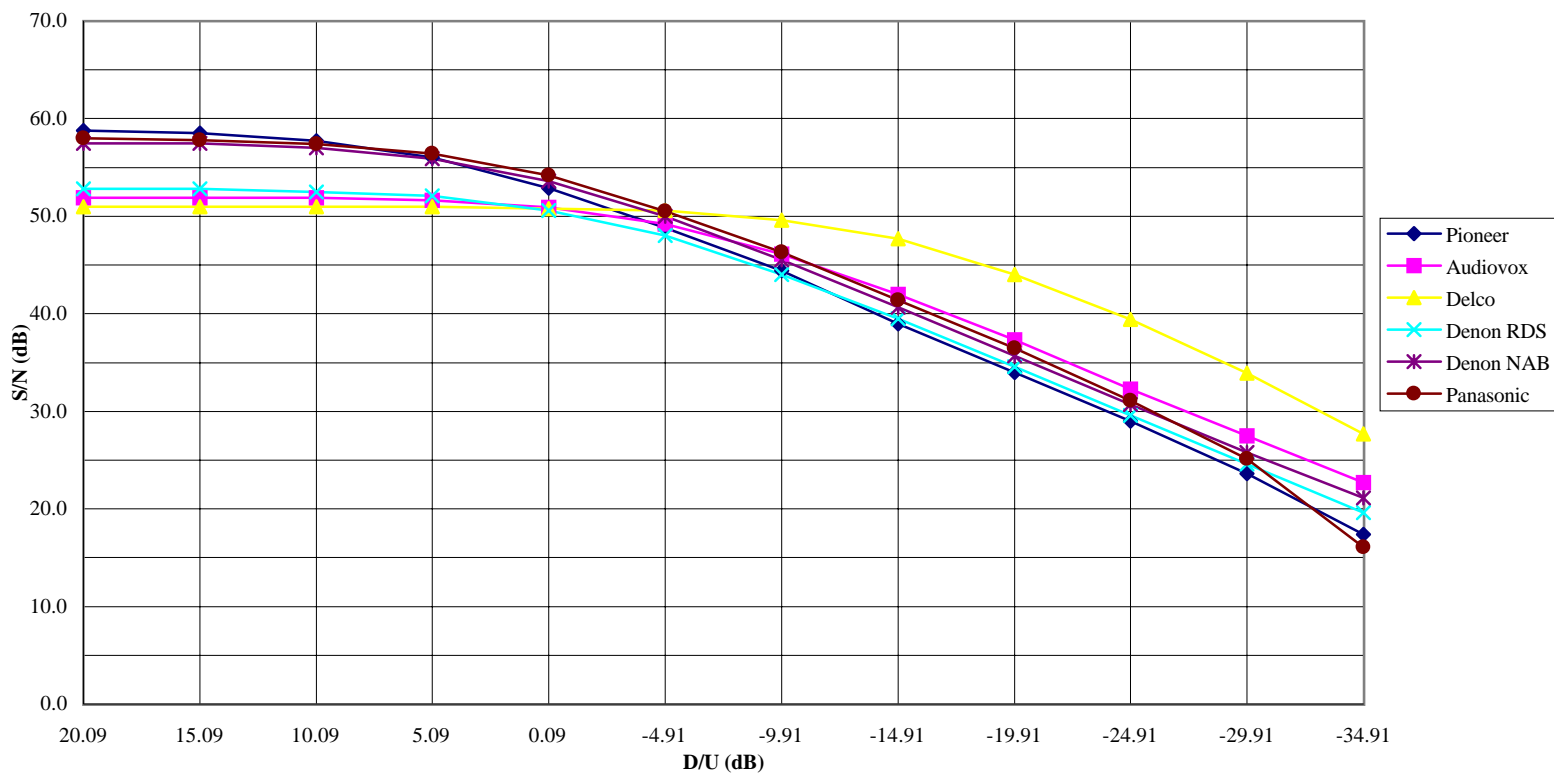
Signal Level: -56 dBm  
 Corrector Setting: 1

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.21	-3.30

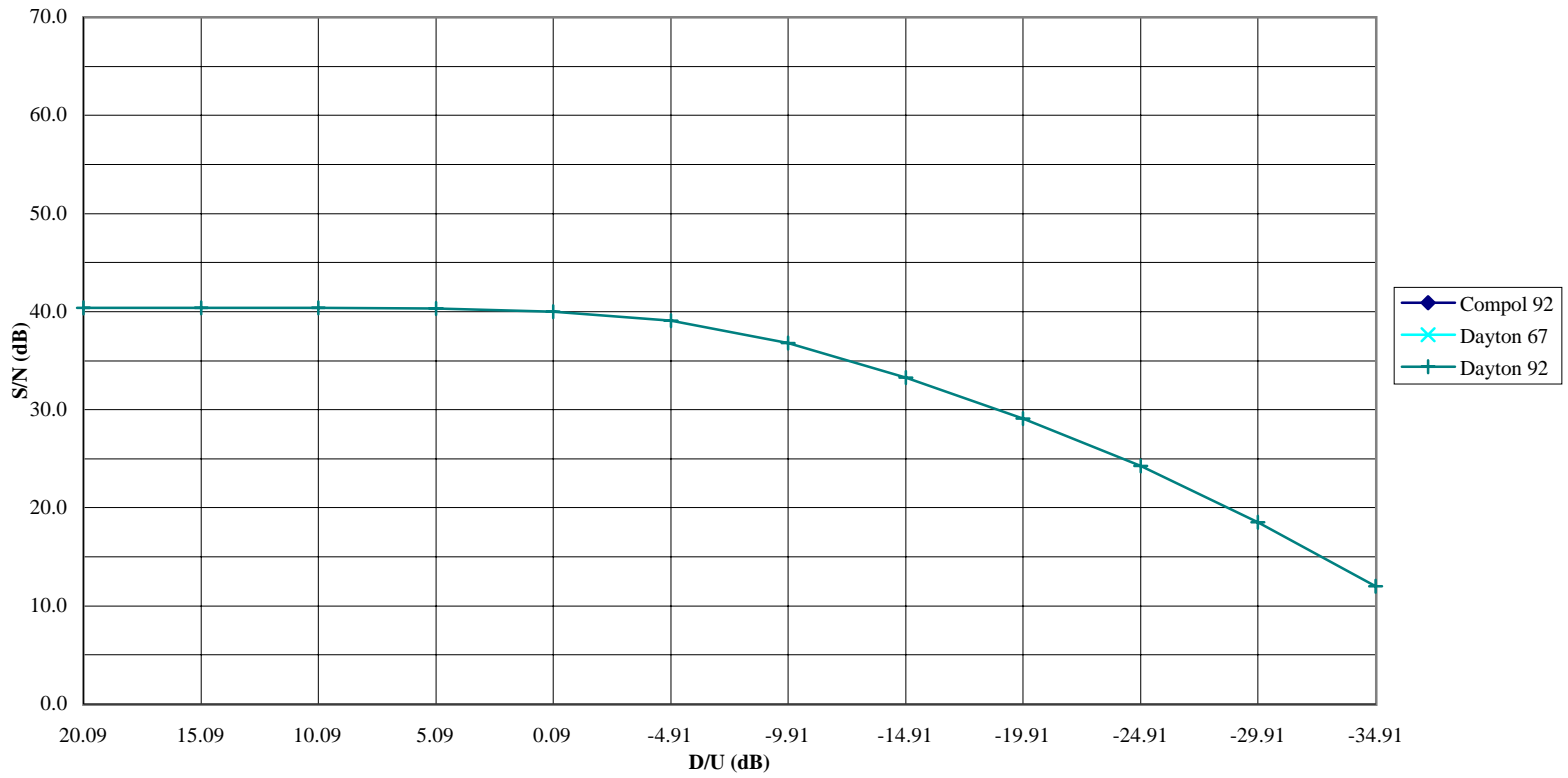
0 dB D/U = -34.91

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)				
		58.8	51.9	51.0	52.8	57.5	58.0	40.4		
55.0	20.09	58.8	51.9	51.0	52.8	57.5	58.0	40.4		
50.0	15.09	58.5	51.9	51.0	52.8	57.5	57.8	40.4		
45.0	10.09	57.7	51.9	51.0	52.5	57	57.4	40.4		
40.0	5.09	56.0	51.6	51.0	52.1	55.9	56.4	40.3		
35.0	0.09	52.9	50.9	50.8	50.6	53.6	54.2	40.0		
30.0	-4.91	48.8	49.2	50.6	48.0	50.0	50.5	39.1		
25.0	-9.91	44.4	46.1	49.6	44.0	45.5	46.3	36.8		
20.0	-14.91	39.0	42.0	47.7	39.5	40.7	41.4	33.3		
15.0	-19.91	34.0	37.3	44.0	34.6	35.7	36.5	29.1		
10.0	-24.91	29.0	32.3	39.4	29.6	30.7	31.1	24.3		
5.0	-29.91	23.6	27.5	33.9	24.6	25.8	25.1	18.5		
0.0	-34.91	17.4	22.7	27.7	19.6	21.1	16.1	12.0		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.1.3  
 Engr(s): TK, DML  
 Date: 2/26/98

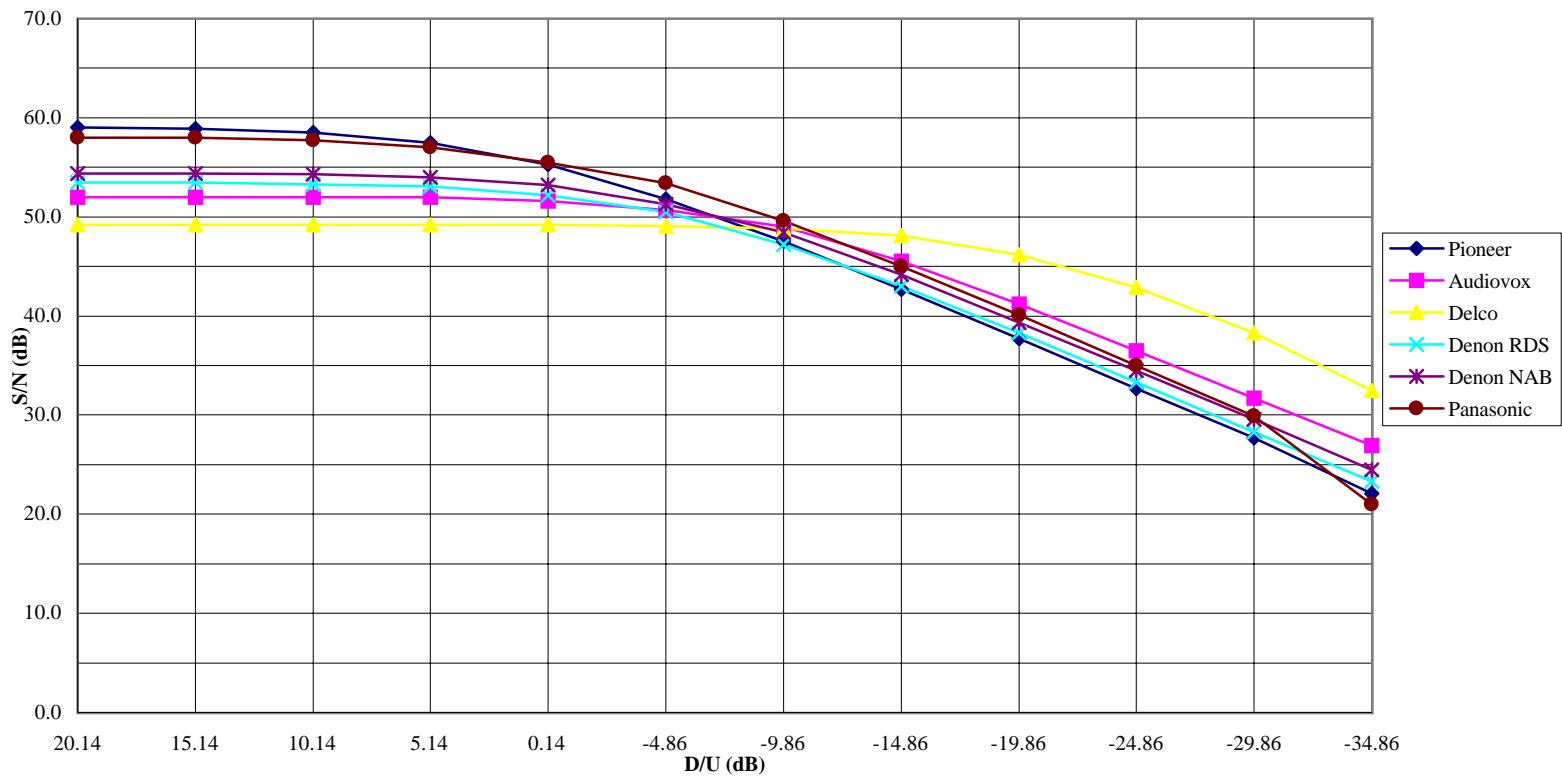
Signal Level: -56 dBm  
 Corrector Setting: 1

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.11	-3.25

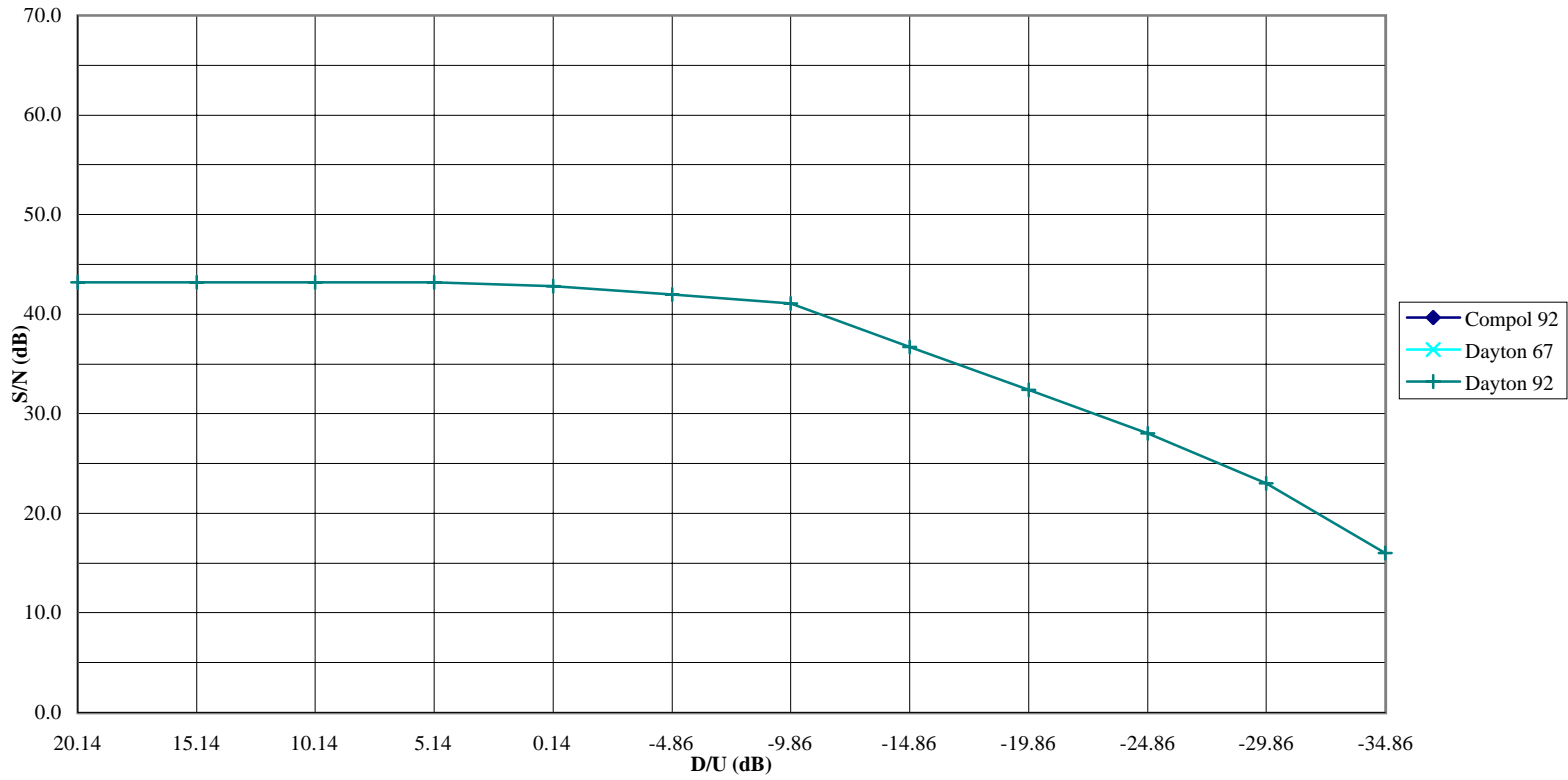
0 dB D/U = -34.86

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)				
		59.0	52.0	49.2	53.5	54.4	58.0	43.2		
55.0	20.14	59.0	52.0	49.2	53.5	54.4	58.0	43.2		
50.0	15.14	58.9	52.0	49.2	53.5	54.4	58.0	43.2		
45.0	10.14	58.5	52.0	49.2	53.3	54.3	57.7	43.2		
40.0	5.14	57.5	52.0	49.2	53.1	54	57.0	43.2		
35.0	0.14	55.3	51.6	49.2	52.2	53.2	55.5	42.8		
30.0	-4.86	51.8	50.7	49.1	50.5	51.3	53.4	42.0		
25.0	-9.86	47.5	49.0	48.8	47.2	48.4	49.6	41.1		
20.0	-14.86	42.7	45.5	48.1	43.0	44.2	45.0	36.7		
15.0	-19.86	37.7	41.2	46.2	38.3	39.3	40.1	32.4		
10.0	-24.86	32.7	36.5	42.9	33.3	34.5	35.0	28.0		
5.0	-29.86	27.7	31.7	38.3	28.3	29.6	29.9	23.0		
0.0	-34.86	22.1	26.9	32.5	23.3	24.5	21.0	16.0		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.1.4  
 Engr(s): DML  
 Date: 4/16/98

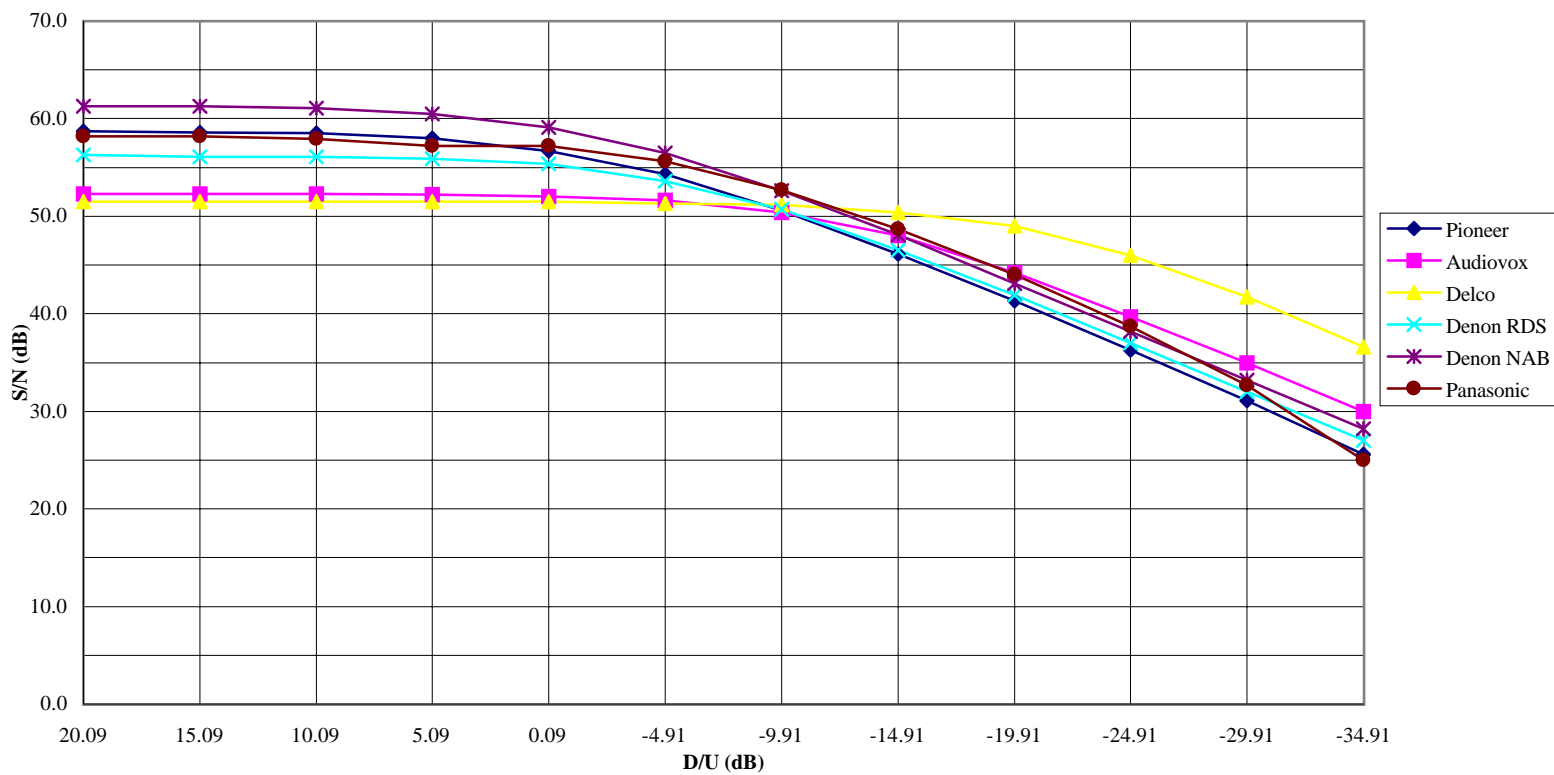
Signal Level: -56 dBm  
 Corrector Setting: 1

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.30	-3.39

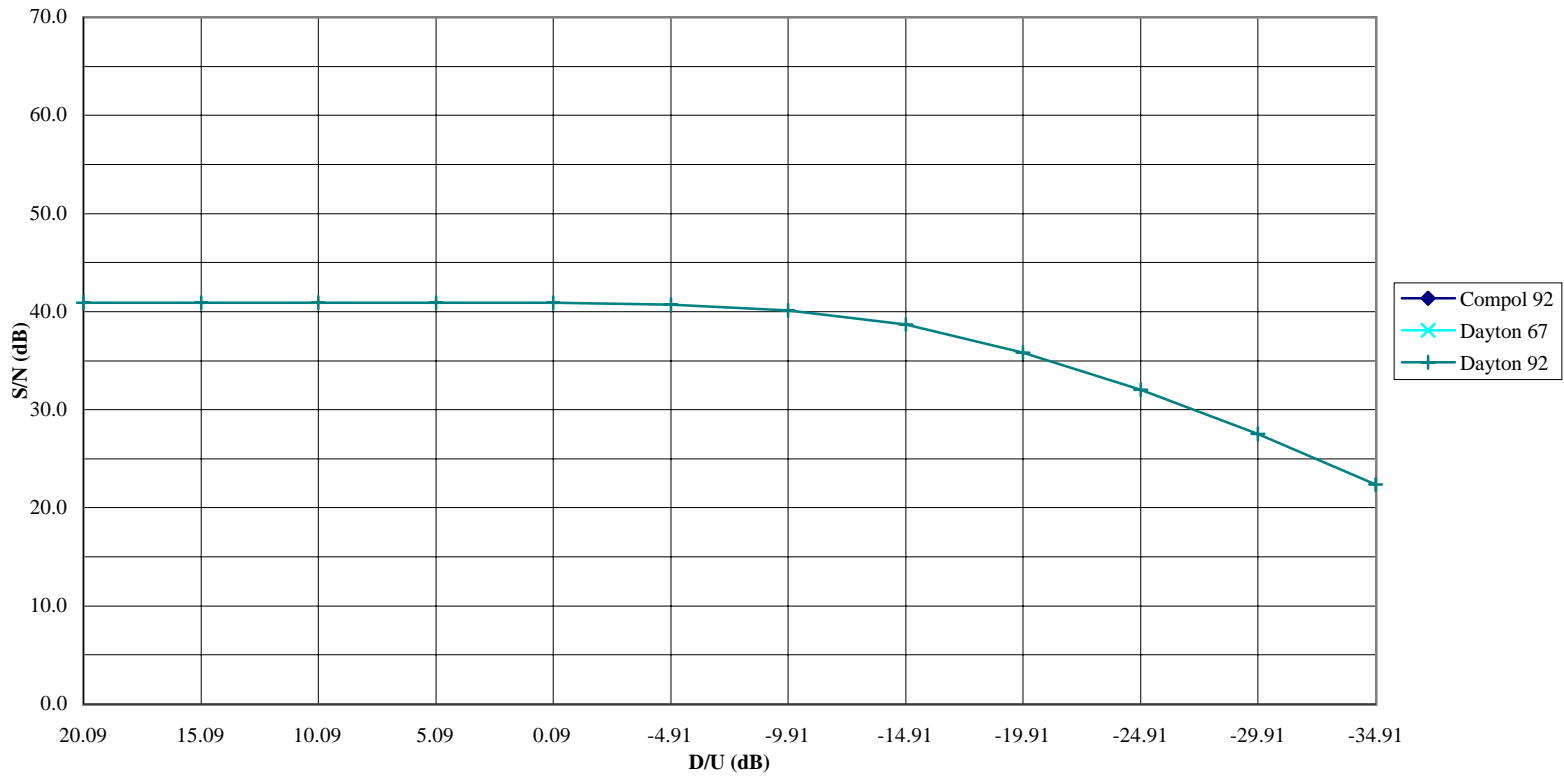
0 dB D/U = -34.91

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)				
		58.7	52.3	51.5	56.3	61.3	58.2	41.0		
55.0	20.09	58.7	52.3	51.5	56.3	61.3	58.2	40.9		
50.0	15.09	58.6	52.3	51.5	56.1	61.3	58.2	40.9		
45.0	10.09	58.5	52.3	51.5	56.1	61.1	57.9	40.9		
40.0	5.09	58.0	52.2	51.5	55.9	60.5	57.2	40.9		
35.0	0.09	56.7	52.0	51.5	55.4	59.1	57.2	40.9		
30.0	-4.91	54.3	51.6	51.3	53.6	56.5	55.6	40.7		
25.0	-9.91	50.6	50.4	51.2	50.7	52.6	52.7	40.1		
20.0	-14.91	46.1	48.0	50.4	46.5	48.1	48.7	38.7		
15.0	-19.91	41.3	44.2	49.0	41.9	43.1	44.0	35.8		
10.0	-24.91	36.3	39.7	46.0	37.0	38.2	38.7	32.0		
5.0	-29.91	31.1	35.0	41.7	32.0	33.2	32.7	27.5		
0.0	-34.91	25.6	30.0	36.6	27.0	28.2	25.0	22.4		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.1.5  
 Engr(s): TK, DML  
 Date: 2/26/98

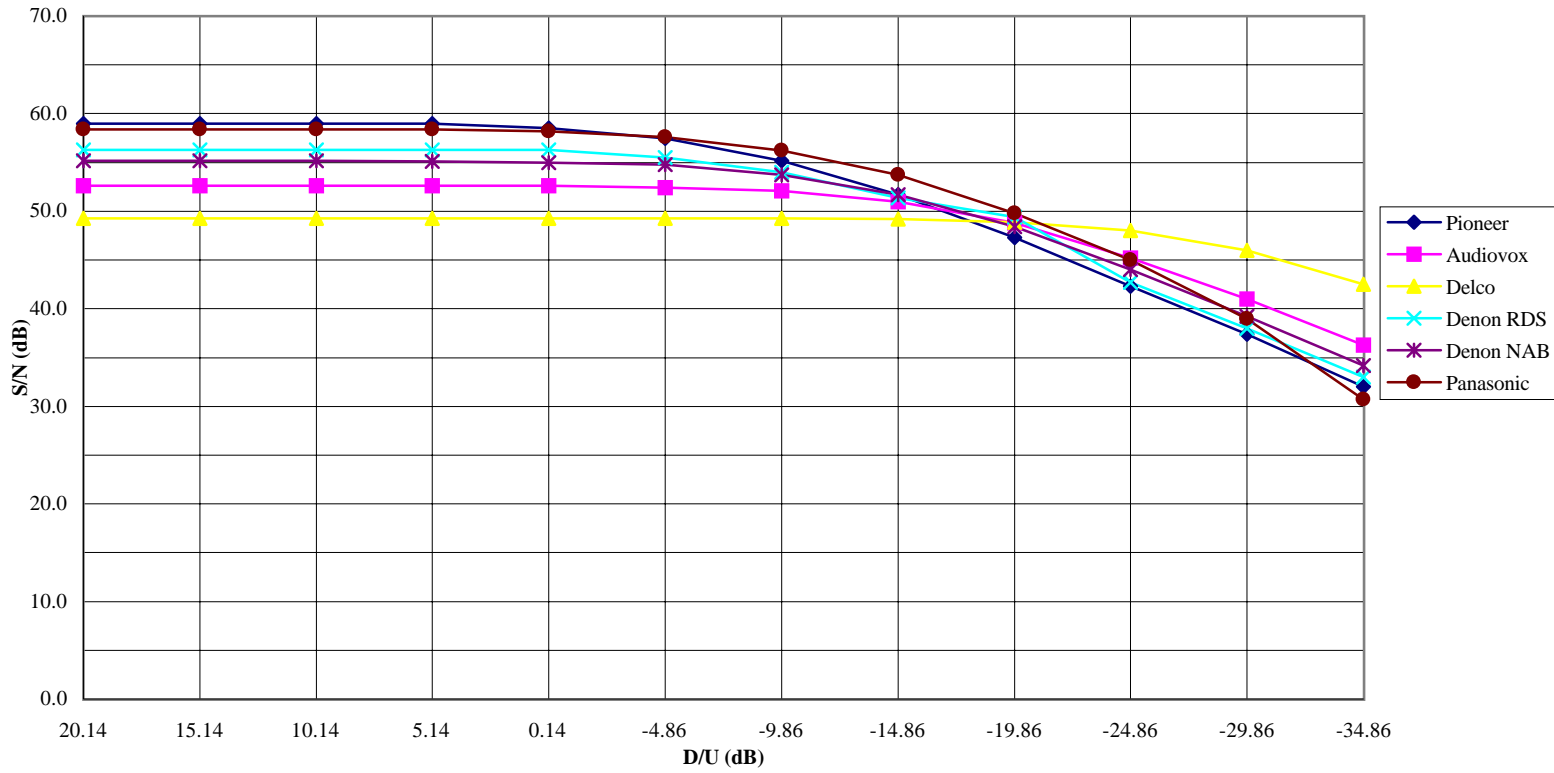
Signal Level: -56 dBm  
 Corrector Setting: 1

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.11	-3.25

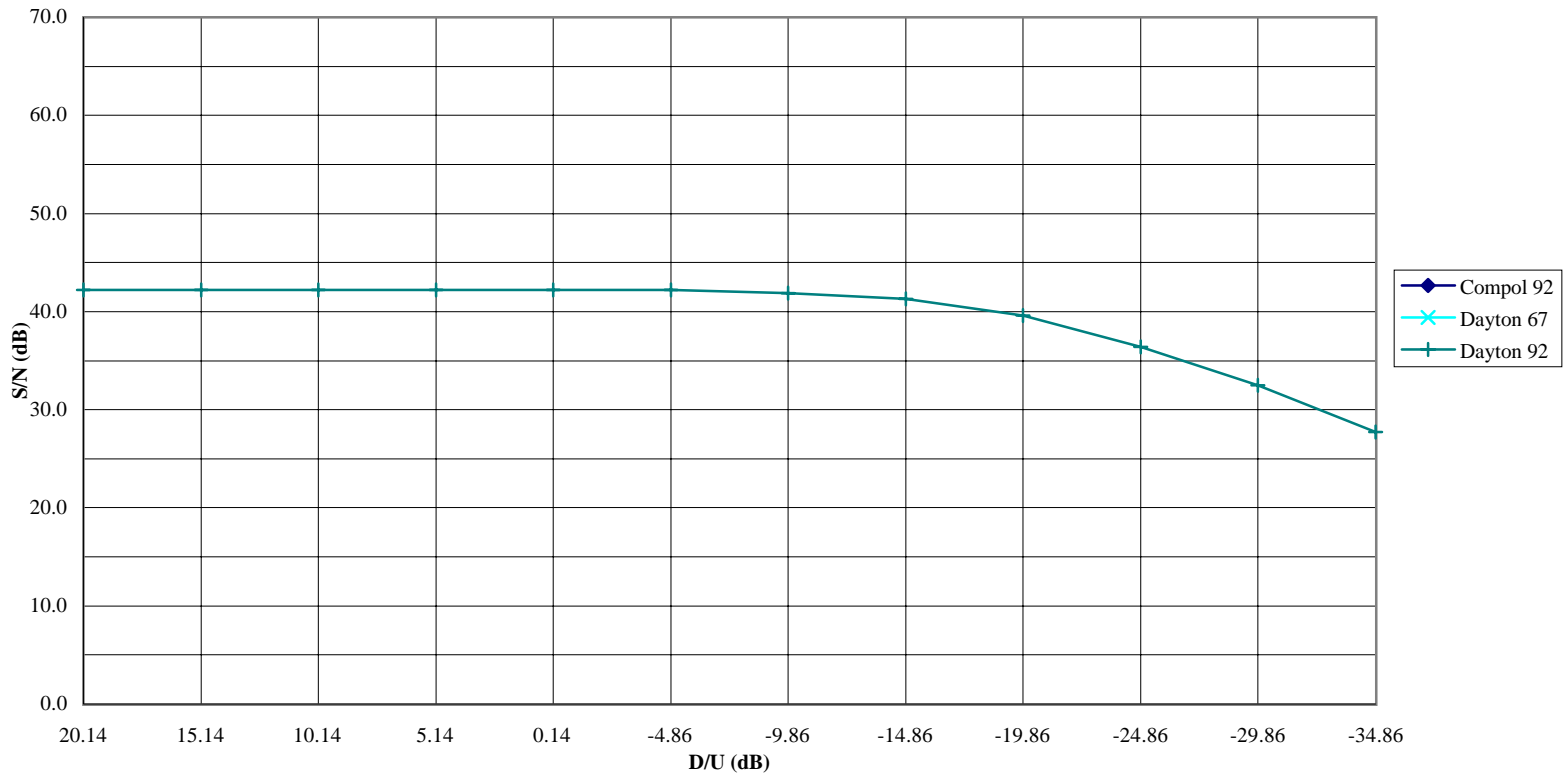
0 dB D/U = -34.86

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)				
		59.0	52.6	49.3	56.3	55.2	58.4	42.2		
55.0	20.14	59.0	52.6	49.3	56.3	55.2	58.4	42.2		
50.0	15.14	59.0	52.6	49.3	56.3	55.2	58.4	42.2		
45.0	10.14	59.0	52.6	49.3	56.3	55.2	58.4	42.2		
40.0	5.14	59.0	52.6	49.3	56.3	55.1	58.4	42.2		
35.0	0.14	58.5	52.6	49.3	56.3	55	58.2	42.2		
30.0	-4.86	57.5	52.4	49.3	55.5	54.8	57.6	42.2		
25.0	-9.86	55.2	52.1	49.3	54.0	53.7	56.2	41.9		
20.0	-14.86	51.7	51.0	49.2	51.4	51.7	53.7	41.3		
15.0	-19.86	47.3	48.8	48.9	49.4	48.4	49.8	39.6		
10.0	-24.86	42.3	45.2	48.0	42.7	44.0	45.0	36.4		
5.0	-29.86	37.4	41.0	46.0	38.0	39.2	39.0	32.5		
0.0	-34.86	32.0	36.3	42.5	33.0	34.2	30.7	27.7		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.1.6  
 Engr(s): TK, DML  
 Date: 2/27/98

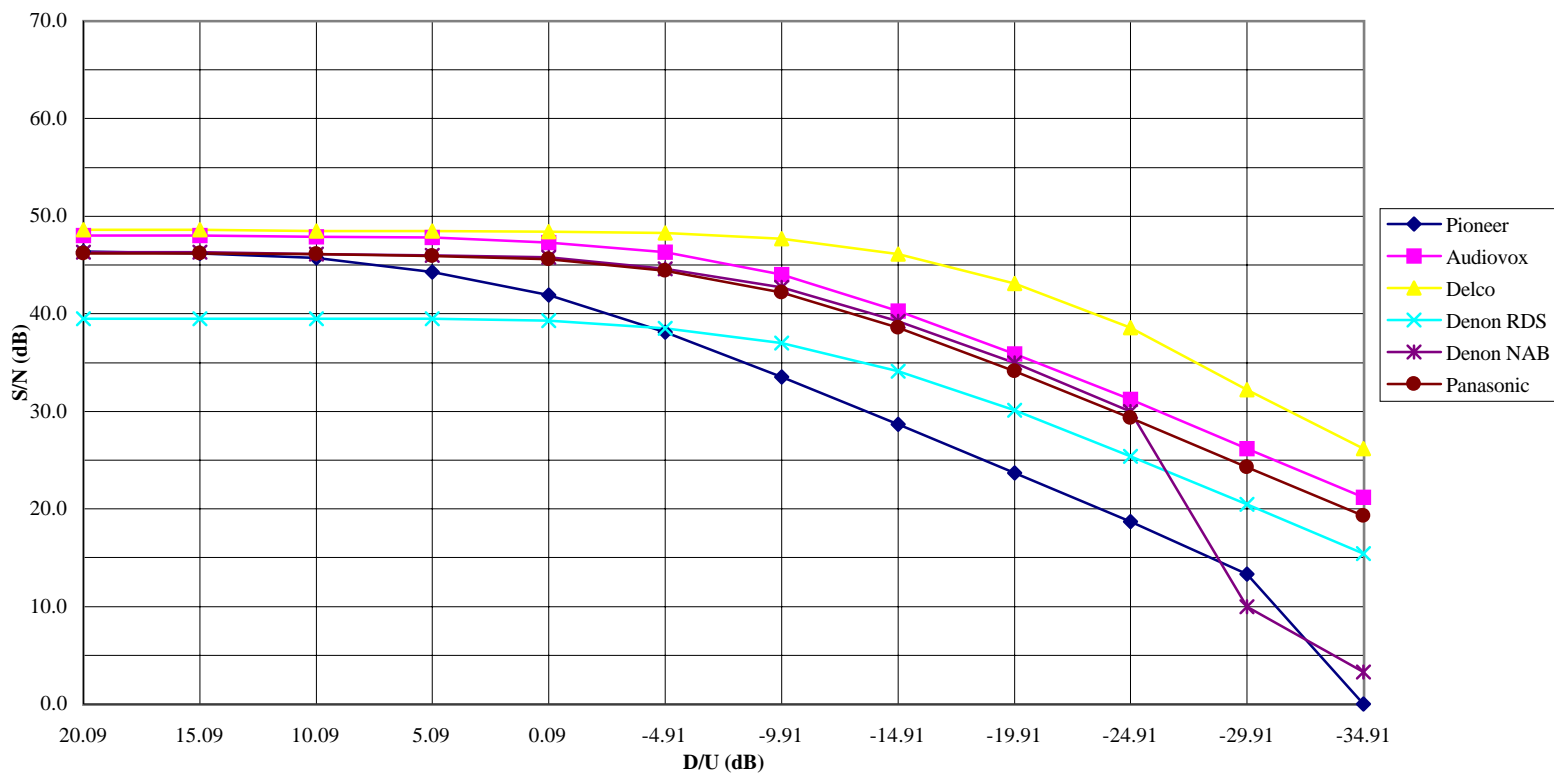
Signal Level: -71 dBm  
 Corrector Setting: 1

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.21	-3.30

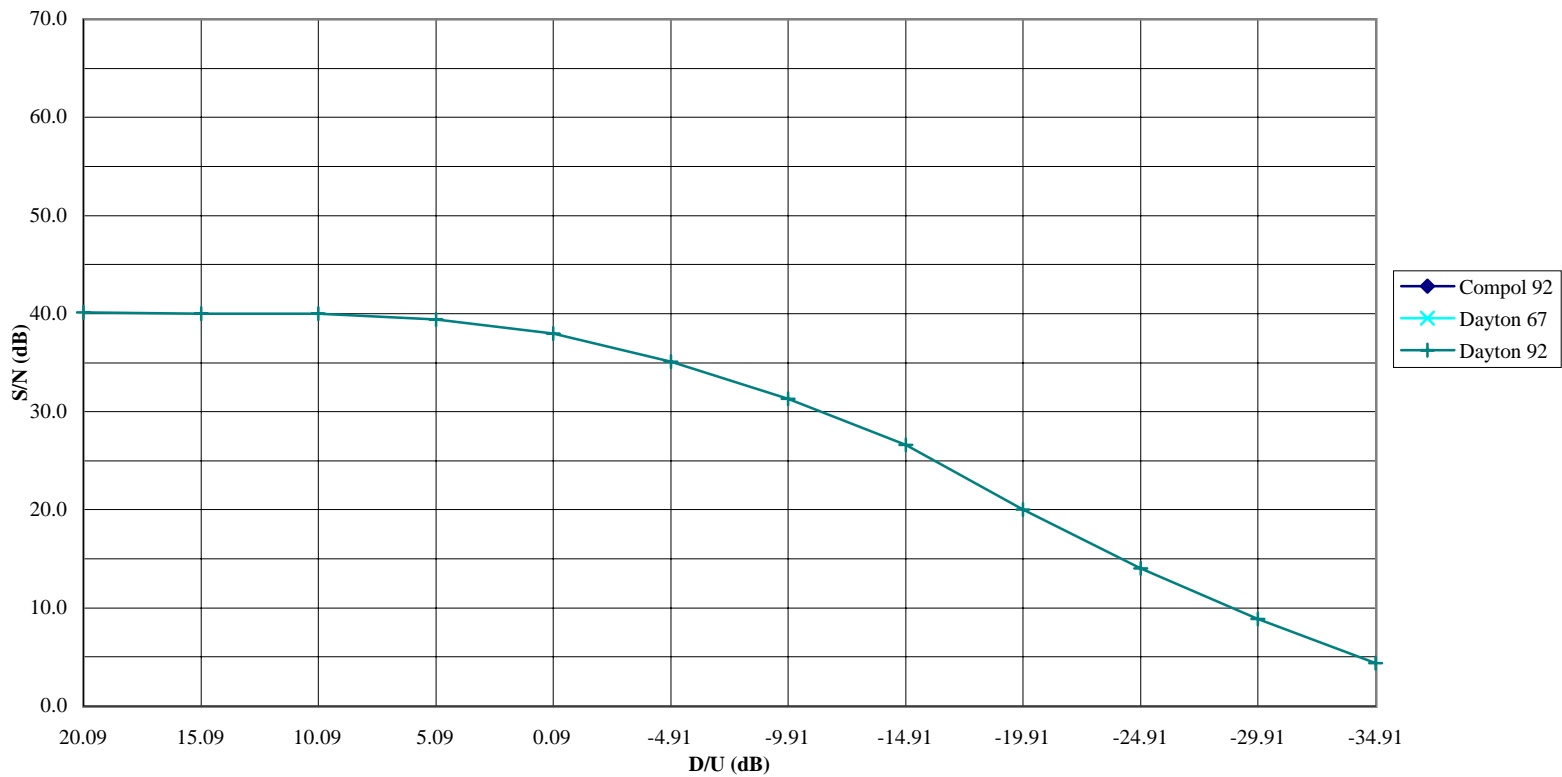
0 dB D/U = -34.91

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)				
		46.4	48.0	48.6	39.5	46.3	46.2	40.1		
55.0	20.09	46.4	48.0	48.6	39.5	46.3	46.2	40.1		
50.0	15.09	46.2	48.0	48.6	39.5	46.3	46.2	40.0		
45.0	10.09	45.7	47.9	48.5	39.5	46.1	46.1	40.0		
40.0	5.09	44.3	47.8	48.5	39.5	46	45.9	39.4		
35.0	0.09	41.9	47.3	48.4	39.3	45.8	45.6	38.0		
30.0	-4.91	38.1	46.3	48.3	38.5	44.6	44.4	35.1		
25.0	-9.91	33.5	44.0	47.7	37.0	42.7	42.2	31.3		
20.0	-14.91	28.7	40.3	46.1	34.1	39.2	38.6	26.6		
15.0	-19.91	23.7	35.9	43.1	30.1	35.0	34.1	20.0		
10.0	-24.91	18.7	31.2	38.6	25.4	30.0	29.3	14.0		
5.0	-29.91	13.3	26.2	32.2	20.5	10.0	24.3	8.9		
0.0	-34.91	0.0	21.2	26.2	15.4	3.3	19.3	4.4		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.1.7  
 Engr(s): TK, DML  
 Date: 2/27/98

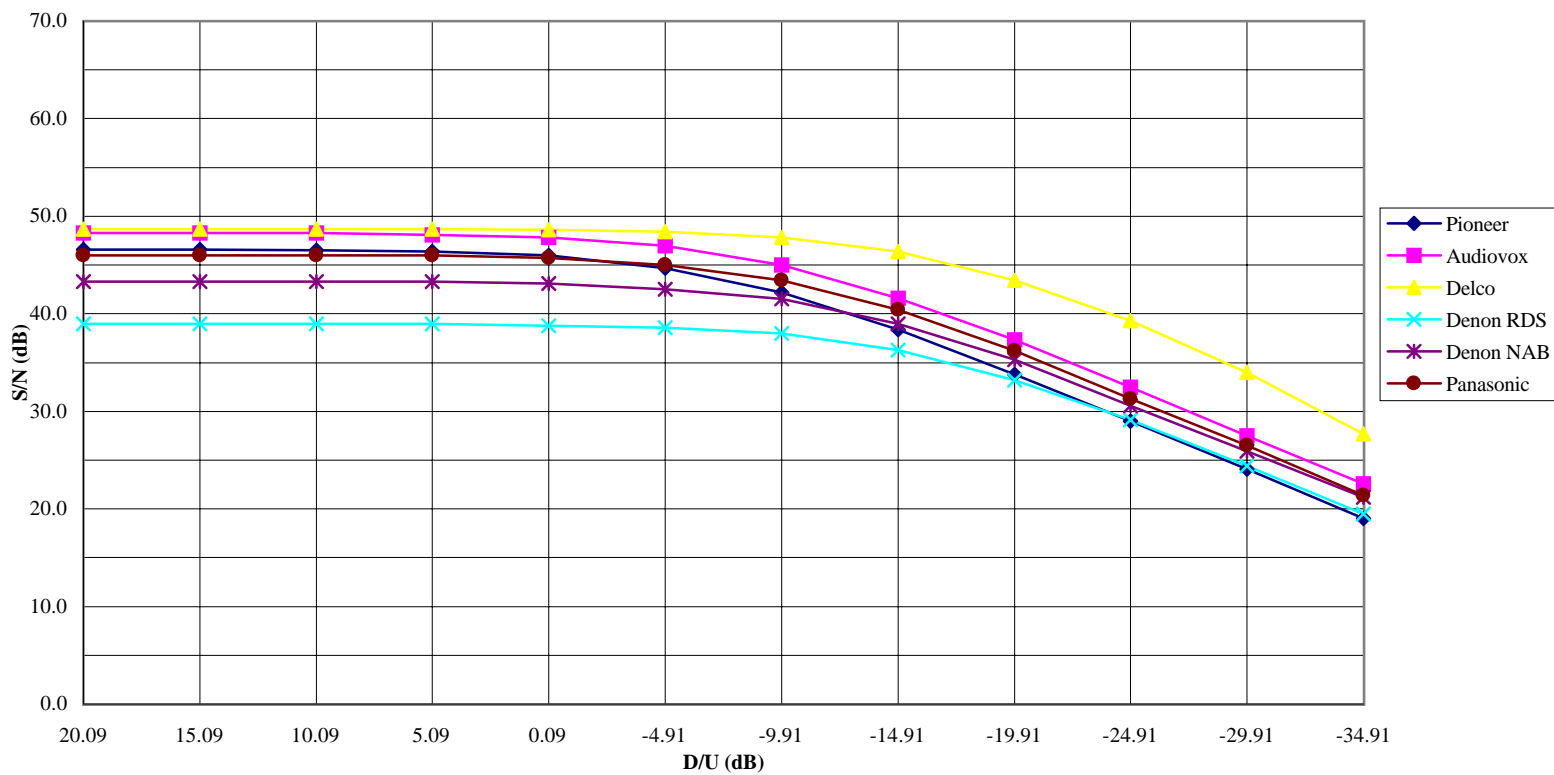
Signal Level: -71 dBm  
 Corrector Setting: 1

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.21	-3.30

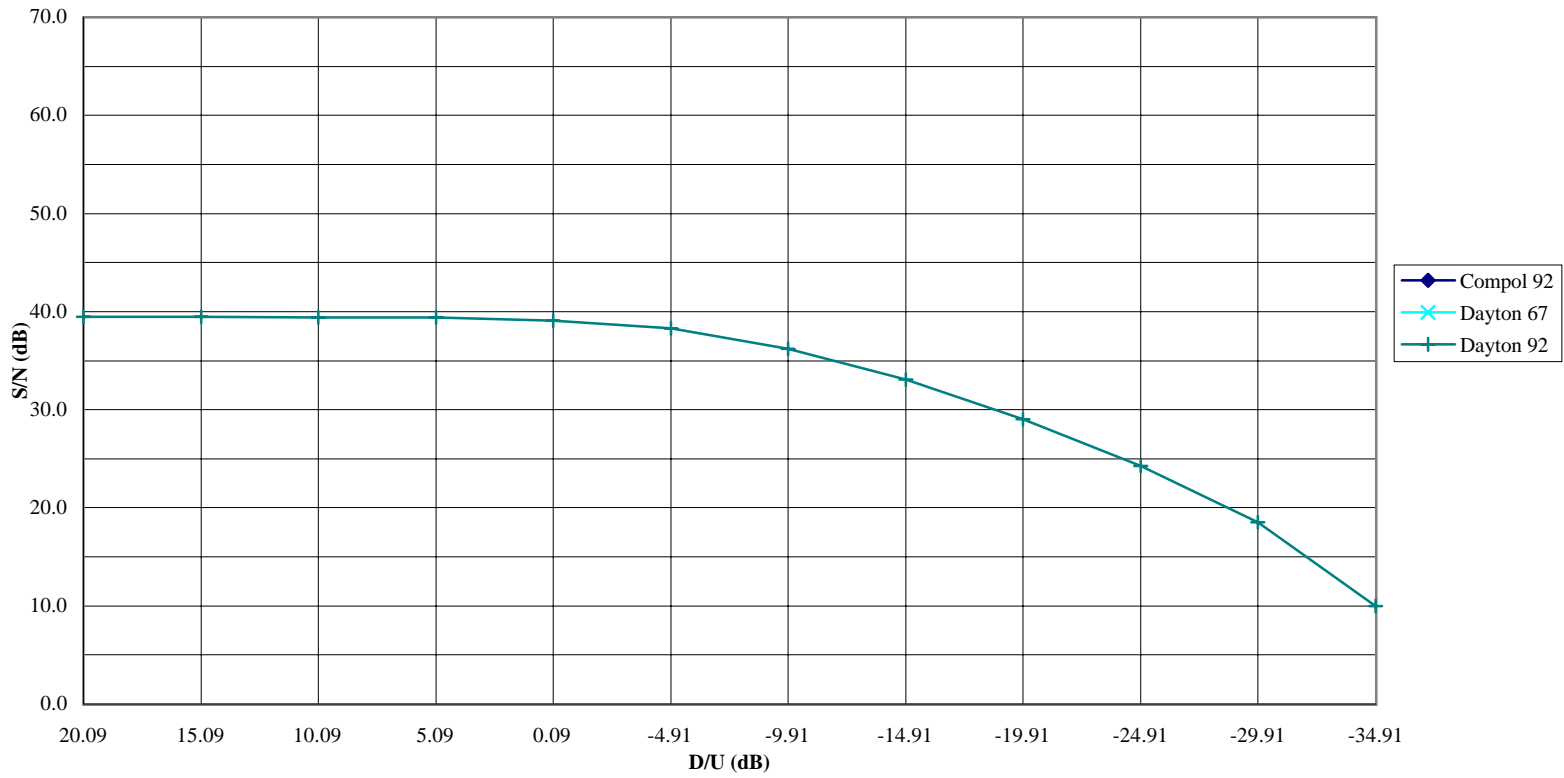
0 dB D/U = -34.91

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	48.3	48.7	39.0	43.3	46.0	39.5		
55.0	20.09	46.6	48.3	48.7	39.0	43.3	46.0	39.5		
50.0	15.09	46.6	48.3	48.7	39.0	43.3	46.0	39.5		
45.0	10.09	46.5	48.3	48.7	39.0	43.3	46.0	39.4		
40.0	5.09	46.4	48.1	48.7	39.0	43.3	46.0	39.4		
35.0	0.09	46.0	47.8	48.6	38.8	43.1	45.7	39.1		
30.0	-4.91	44.7	47.0	48.4	38.6	42.5	45.0	38.3		
25.0	-9.91	42.2	45.0	47.8	38.0	41.5	43.4	36.2		
20.0	-14.91	38.4	41.6	46.4	36.3	39.0	40.4	33.1		
15.0	-19.91	33.8	37.3	43.4	33.2	35.3	36.2	29.0		
10.0	-24.91	29.0	32.5	39.3	29.1	30.6	31.3	24.3		
5.0	-29.91	24.1	27.5	34.0	24.4	25.9	26.5	18.5		
0.0	-34.91	19.0	22.6	27.7	19.5	21.2	21.4	10.0		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.1.8  
 Engr(s): TK, DML  
 Date: 2/26/98

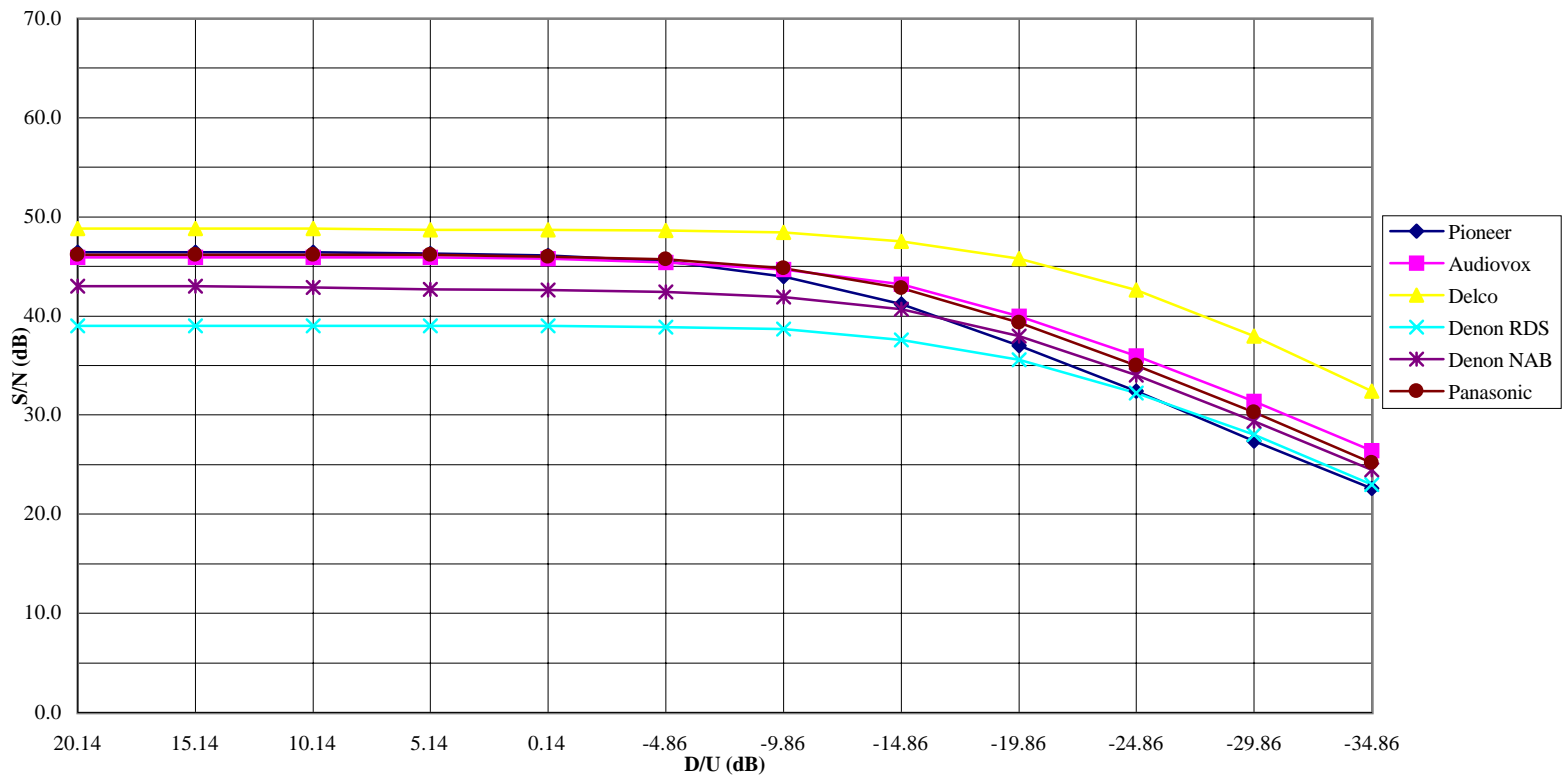
Signal Level: -71 dBm  
 Corrector Setting: 1

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.11	-3.25

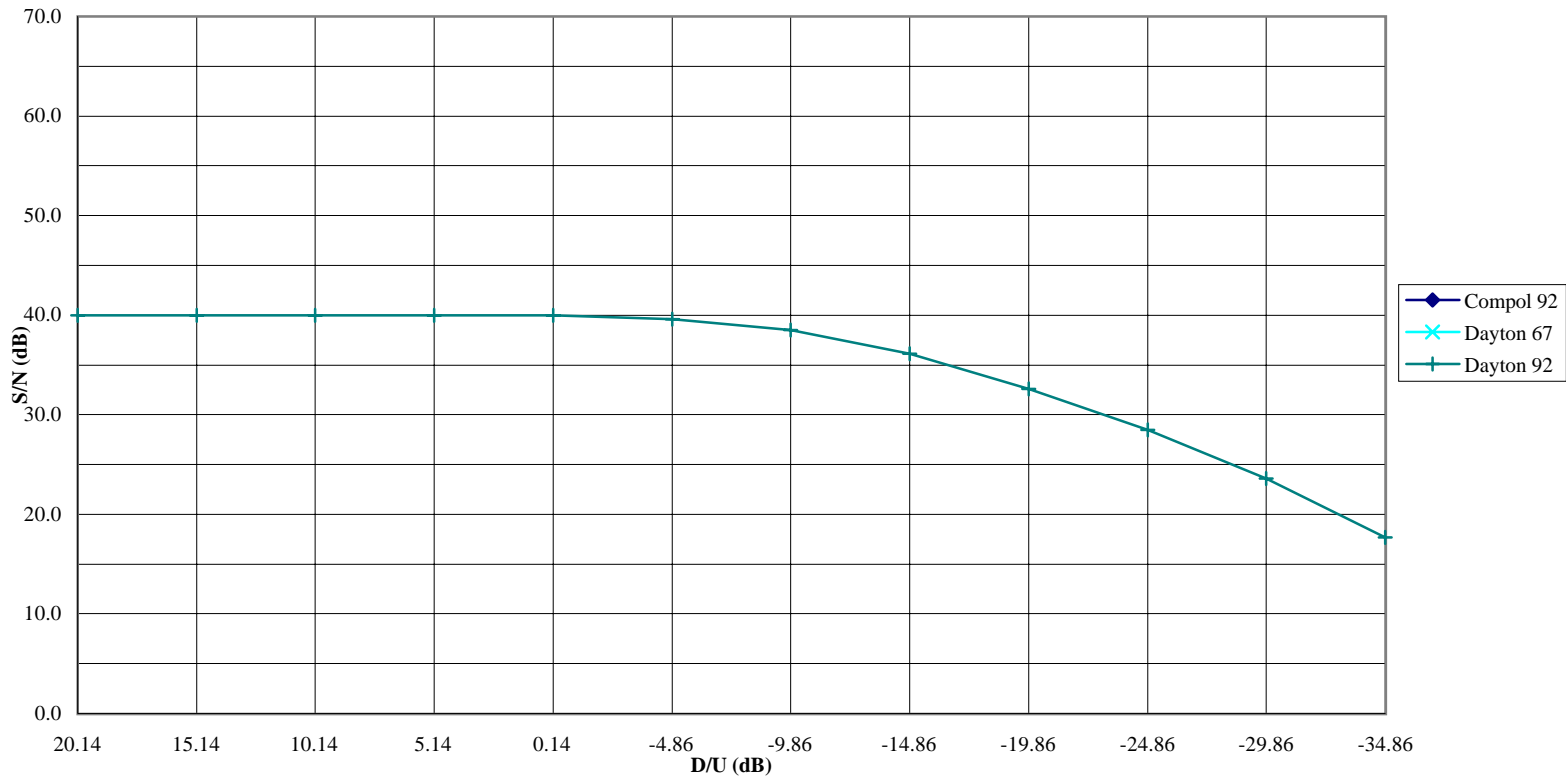
0 dB D/U = -34.86

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)				
		46.4	45.9	48.8	39.0	43	46.2	40.0		
55.0	20.14	46.4	45.9	48.8	39.0	43	46.2	40.0		
50.0	15.14	46.4	45.9	48.8	39.0	43	46.2	40.0		
45.0	10.14	46.4	45.9	48.8	39.0	42.9	46.2	40.0		
40.0	5.14	46.3	45.9	48.7	39.0	42.7	46.2	40.0		
35.0	0.14	46.1	45.8	48.7	39.0	42.6	46.0	40.0		
30.0	-4.86	45.5	45.4	48.6	38.9	42.4	45.7	39.6		
25.0	-9.86	44.0	44.7	48.4	38.7	41.9	44.8	38.5		
20.0	-14.86	41.2	43.2	47.5	37.6	40.7	42.8	36.1		
15.0	-19.86	37.0	40.0	45.8	35.6	38.0	39.3	32.6		
10.0	-24.86	32.4	36.0	42.6	32.2	34.0	35.0	28.5		
5.0	-29.86	27.4	31.4	38.0	28.0	29.4	30.3	23.6		
0.0	-34.86	22.6	26.4	32.4	23.0	24.5	25.2	17.7		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.1.9  
 Engr(s): TK, DML  
 Date: 2/26/98

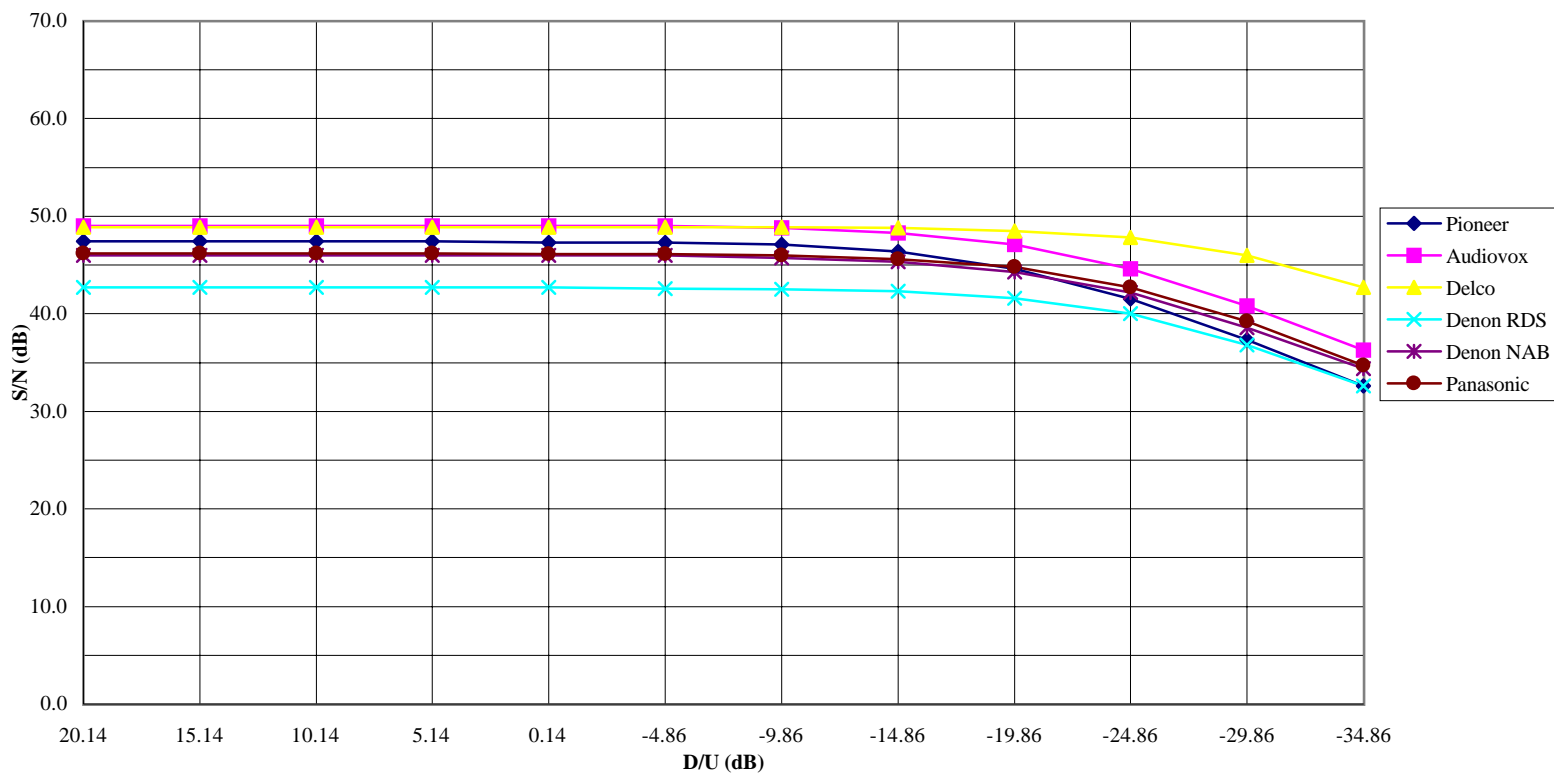
Signal Level: -71 dBm  
 Corrector Setting: 1

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-38.11	-3.25

0 dB D/U = -34.86

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)				
		47.4	49.0	48.9	42.7	46	46.2	41.7		
55.0	20.14	47.4	49.0	48.9	42.7	46	46.2	41.7		
50.0	15.14	47.4	49.0	48.9	42.7	46	46.2	41.7		
45.0	10.14	47.4	49.0	48.9	42.7	46	46.2	41.7		
40.0	5.14	47.4	49.0	48.9	42.7	46	46.2	41.7		
35.0	0.14	47.3	49.0	48.9	42.7	46	46.1	41.7		
30.0	-4.86	47.3	49.0	48.9	42.6	46.0	46.1	41.7		
25.0	-9.86	47.1	48.8	48.9	42.5	45.7	46.0	41.6		
20.0	-14.86	46.4	48.3	48.8	42.3	45.3	45.6	41.0		
15.0	-19.86	44.6	47.1	48.5	41.6	44.3	44.8	39.7		
10.0	-24.86	41.5	44.6	47.8	40.0	42.2	42.7	37.0		
5.0	-29.86	37.3	40.8	46.0	36.8	38.6	39.2	33.3		
0.0	-34.86	32.6	36.3	42.7	32.6	34.4	34.7	29.0		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U

