

DTV Channel 6 Interference to FM Band Reception

Laboratory Test Report

Test Results Based on Proposed -60dBr Emissions C5

Section: 4.5.1
 Engr(s): DML
 Date: 4/16/98

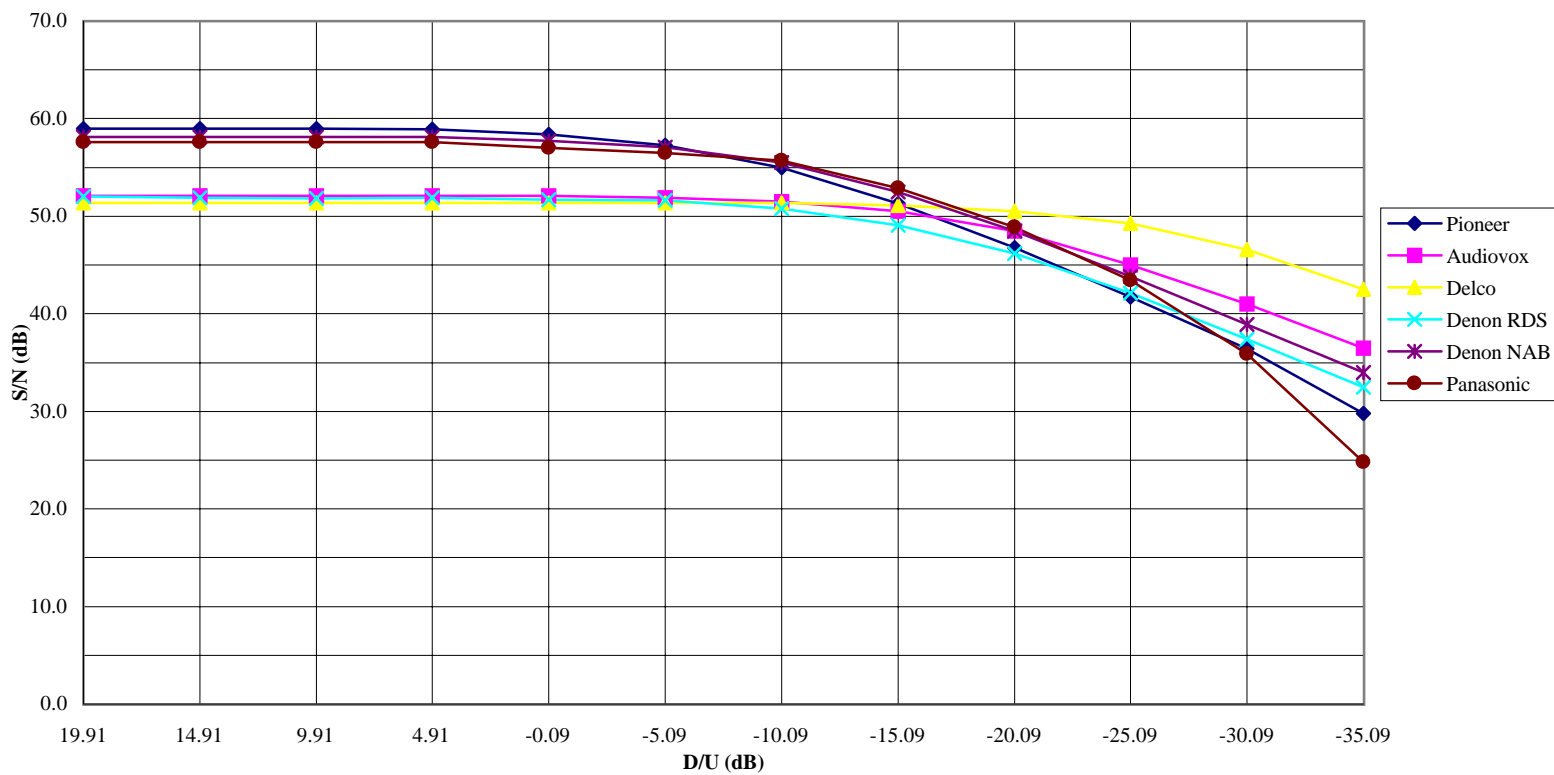
Signal Level: -56 dBm
 Corrector Setting: 5

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-37.87	-2.78

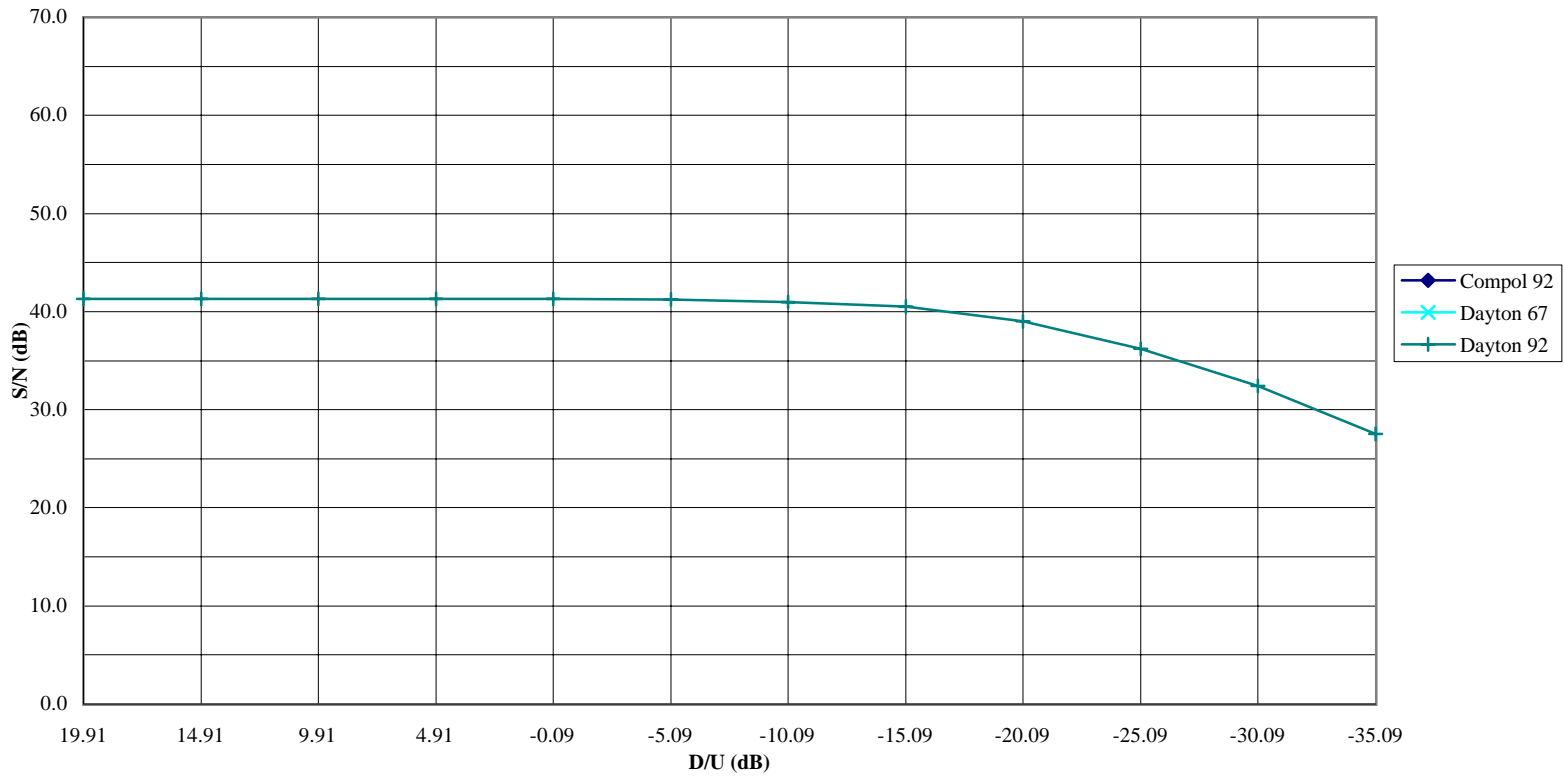
0 dB D/U = -35.09

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	52.1	51.4	52.0	58.1	57.6	41.3		
55.0	19.91	59.0	52.1	51.4	52.0	58.1	57.6	41.3		
50.0	14.91	59.0	52.1	51.4	51.9	58.1	57.6	41.3		
45.0	9.91	59.0	52.1	51.4	51.8	58.1	57.6	41.3		
40.0	4.91	58.9	52.1	51.4	51.9	58.1	57.6	41.3		
35.0	-0.09	58.4	52.1	51.4	51.7	57.7	57.0	41.3		
30.0	-5.09	57.3	51.9	51.4	51.6	57.1	56.5	41.2		
25.0	-10.09	55.0	51.5	51.4	50.8	55.5	55.7	41.0		
20.0	-15.09	51.3	50.5	51.1	49.1	52.5	52.9	40.5		
15.0	-20.09	46.8	48.5	50.5	46.2	48.5	48.9	39.0		
10.0	-25.09	41.7	45.0	49.3	42.1	43.8	43.4	36.2		
5.0	-30.09	36.4	41.0	46.6	37.4	38.9	35.9	32.4		
0.0	-35.09	29.8	36.5	42.5	32.5	34.0	24.8	27.5		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U



Section: 4.5.2
 Engr(s): DML
 Date: 4/16/98

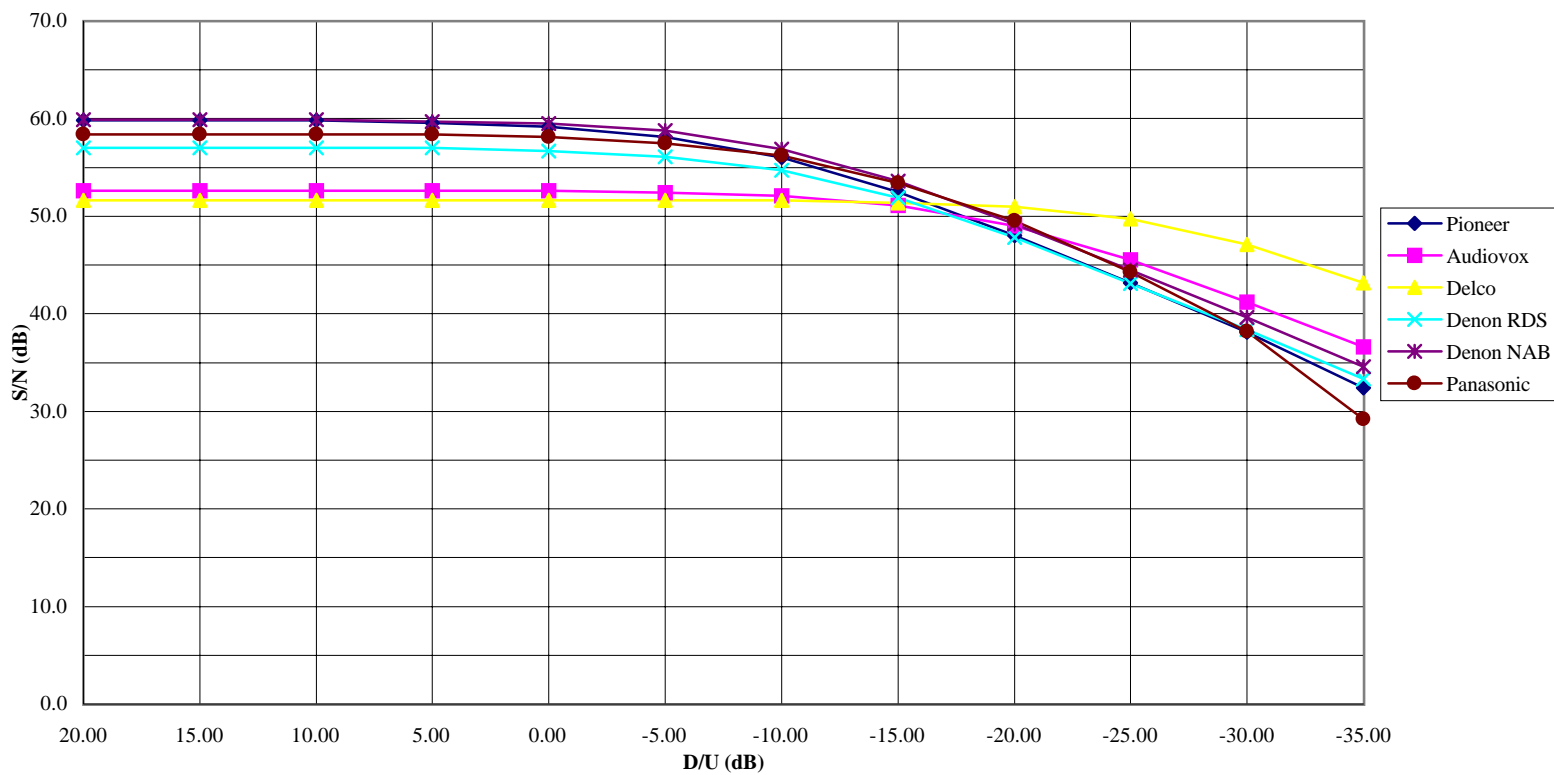
Signal Level: -56 dBm
 Corrector Setting: 5

3 Way Combiner Levels	
Desired (dBm)	Undesired (dBm)
-37.67	-2.67

0 dB D/U = -35.00

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)				
		59.8	52.6	51.6	57.0	59.9	58.4	40.0		
55.0	20.00	59.8	52.6	51.6	57.0	59.9	58.4	40.0		
50.0	15.00	59.8	52.6	51.6	57.0	59.9	58.4	40.0		
45.0	10.00	59.8	52.6	51.6	57.0	59.9	58.4	40.0		
40.0	5.00	59.6	52.6	51.6	57.0	59.7	58.4	40.0		
35.0	0.00	59.2	52.6	51.6	56.7	59.5	58.1	40.0		
30.0	-5.00	58.1	52.4	51.6	56.1	58.8	57.5	40.0		
25.0	-10.00	56.0	52.1	51.6	54.7	56.9	56.2	39.8		
20.0	-15.00	52.5	51.1	51.4	51.9	53.6	53.4	39.5		
15.0	-20.00	48.0	49.0	51.0	47.8	49.2	49.5	38.6		
10.0	-25.00	43.2	45.5	49.7	43.1	44.5	44.3	36.5		
5.0	-30.00	38.1	41.2	47.1	38.4	39.6	38.2	33.2		
0.0	-35.00	32.4	36.6	43.2	33.3	34.6	29.2	28.8		
Psophometric								RMS		

Psophometric S/N vs. D/U



RMS S/N vs. D/U

