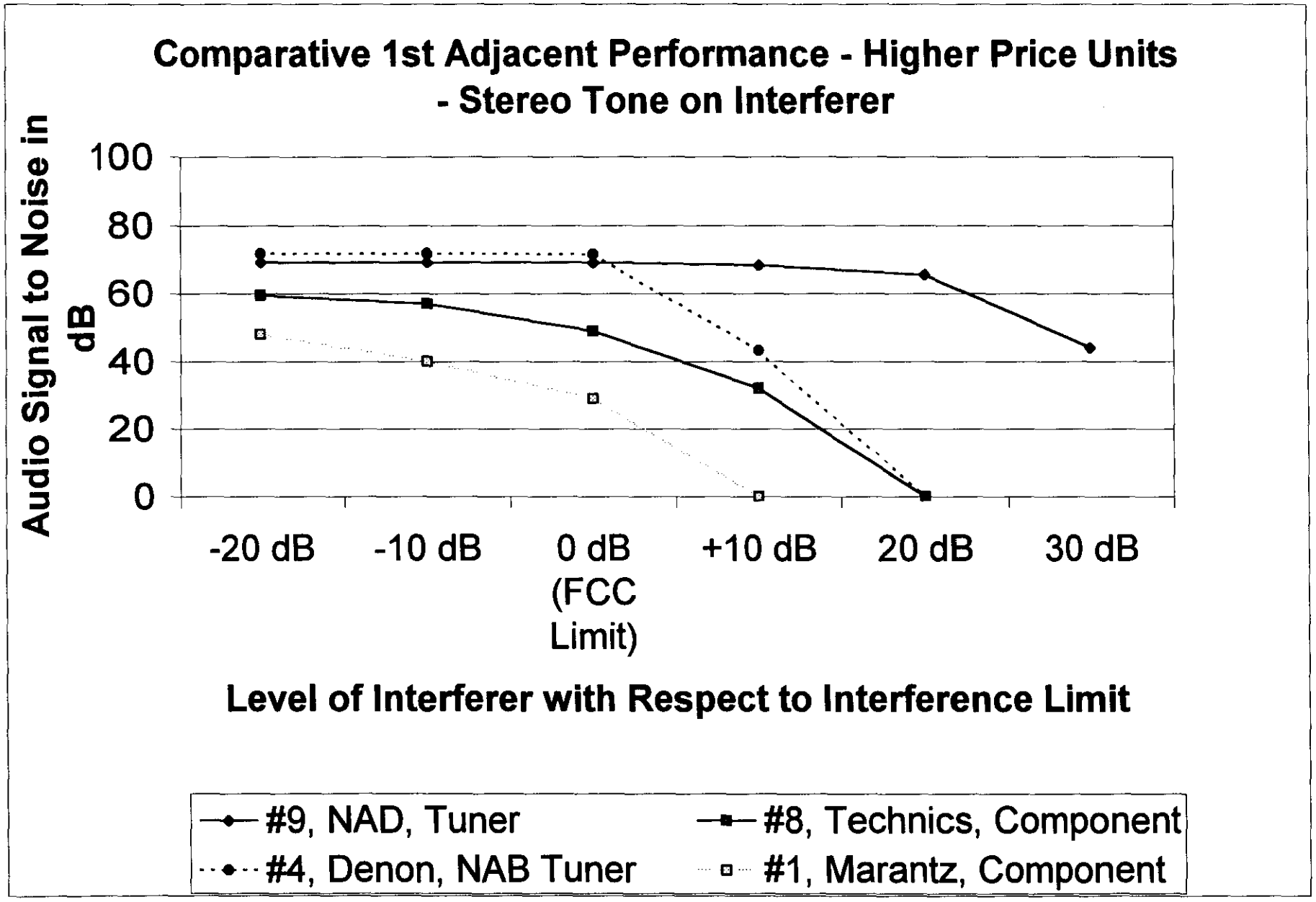
Tab E

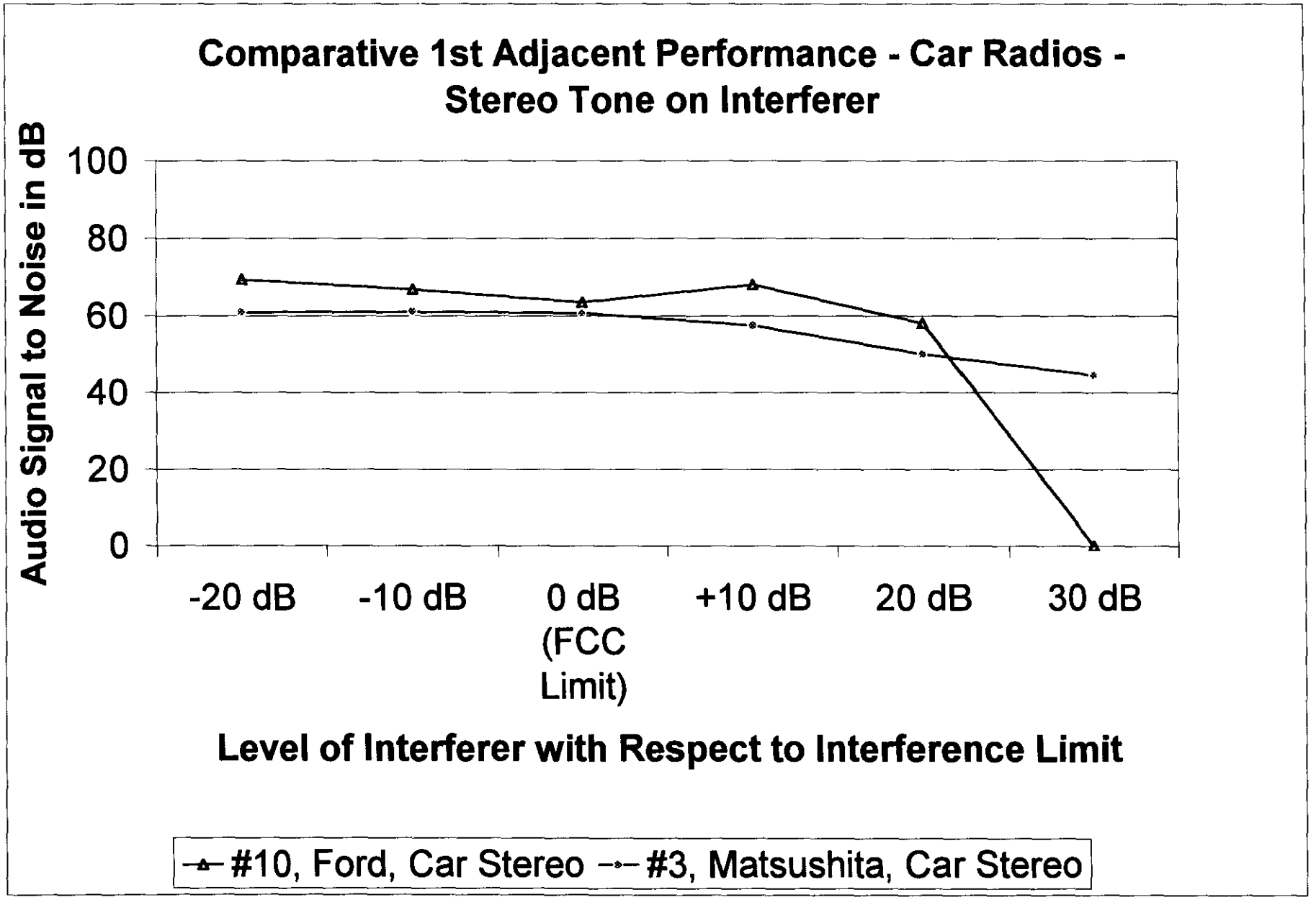
Appendix E

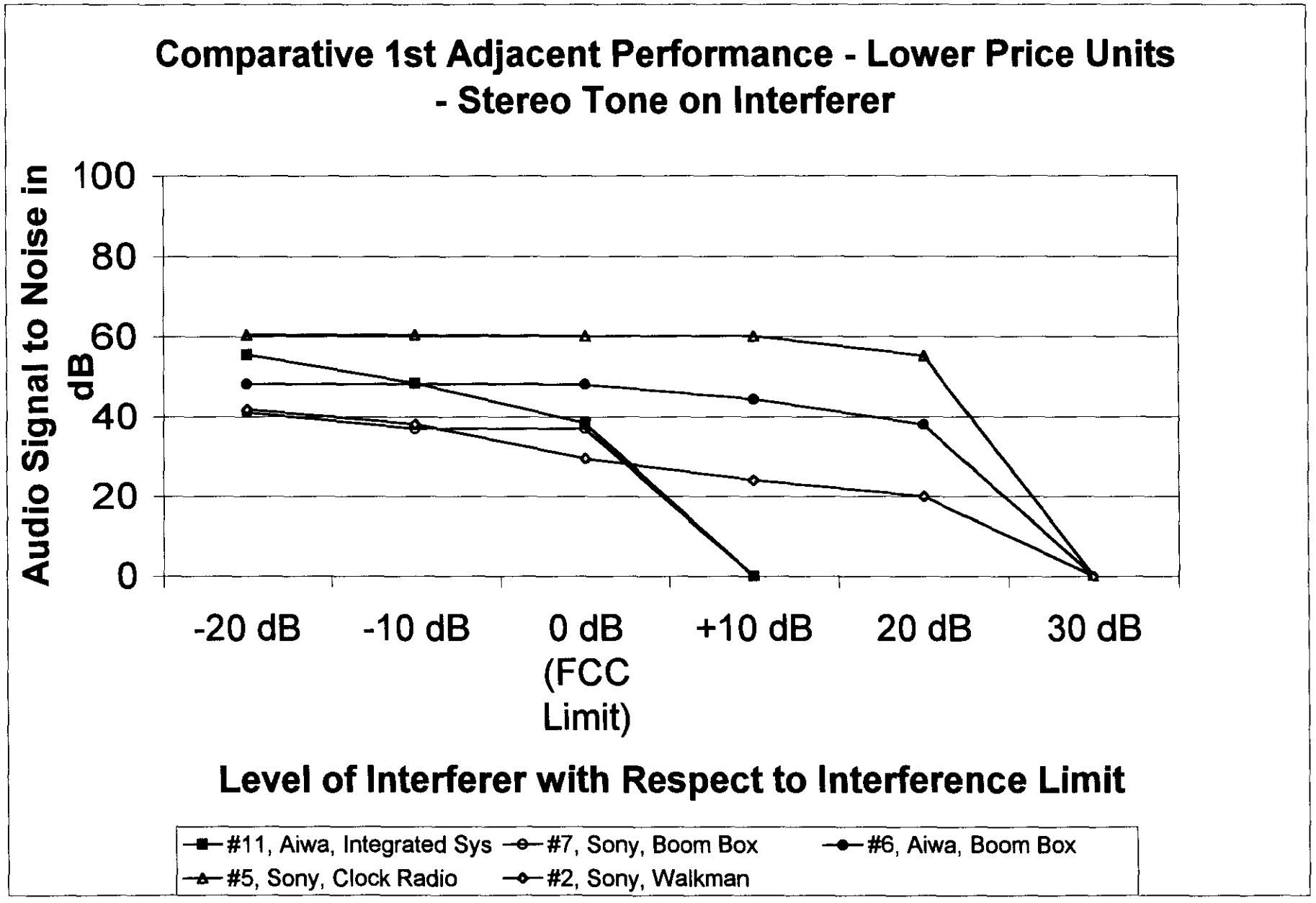
Graphs:

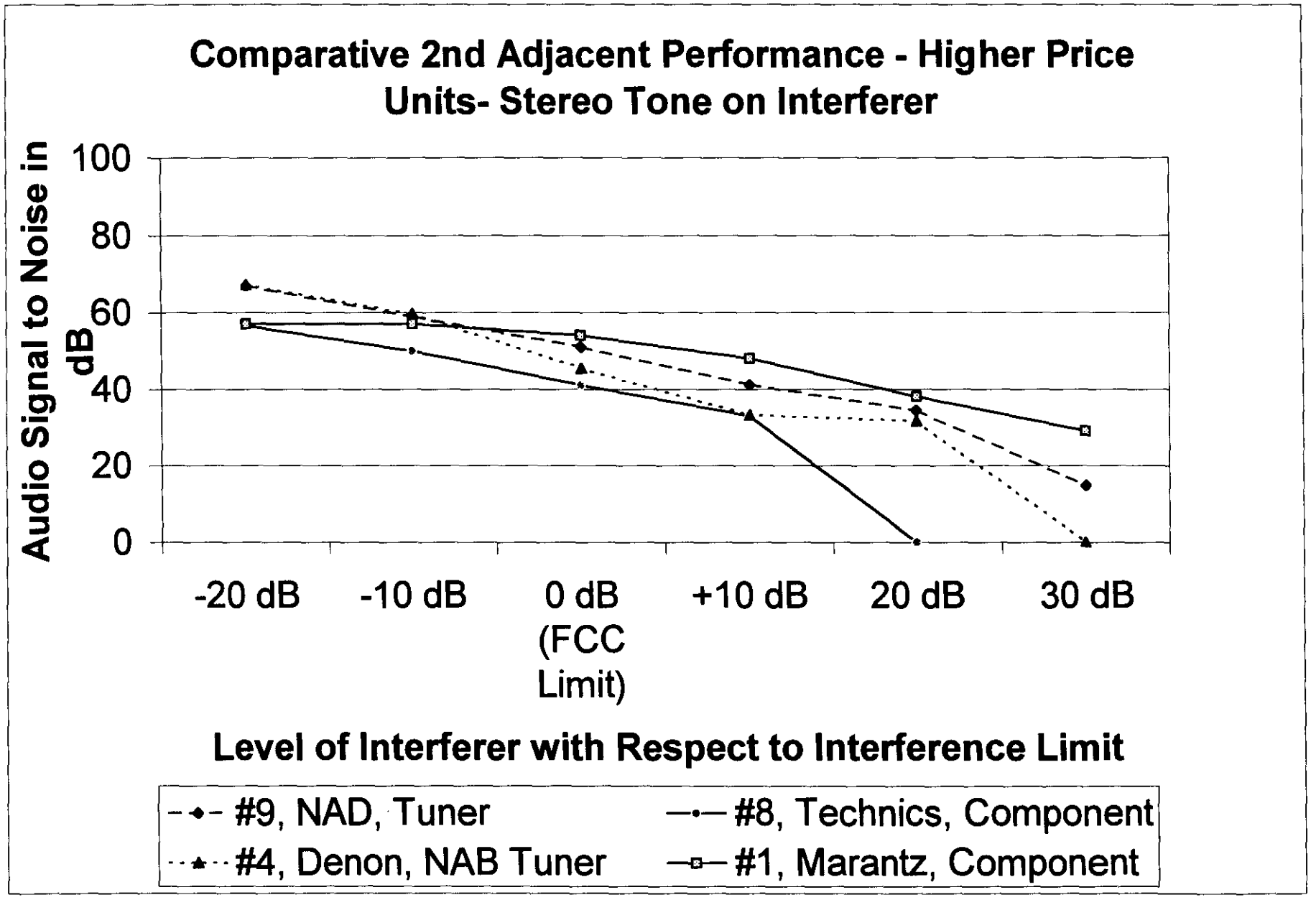
Comparison of Radio Noise Performance

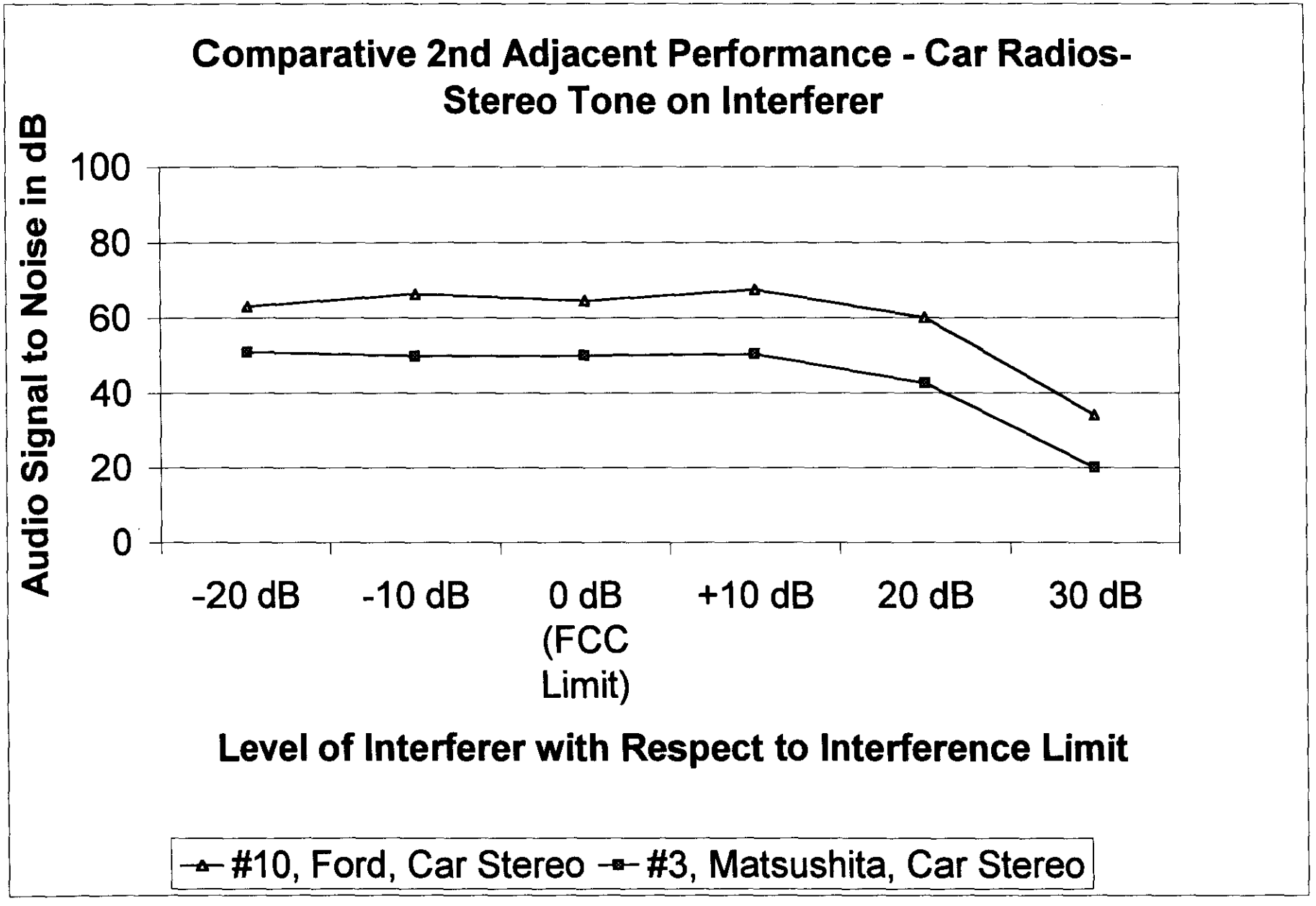
--By Radio Type and Adjacency

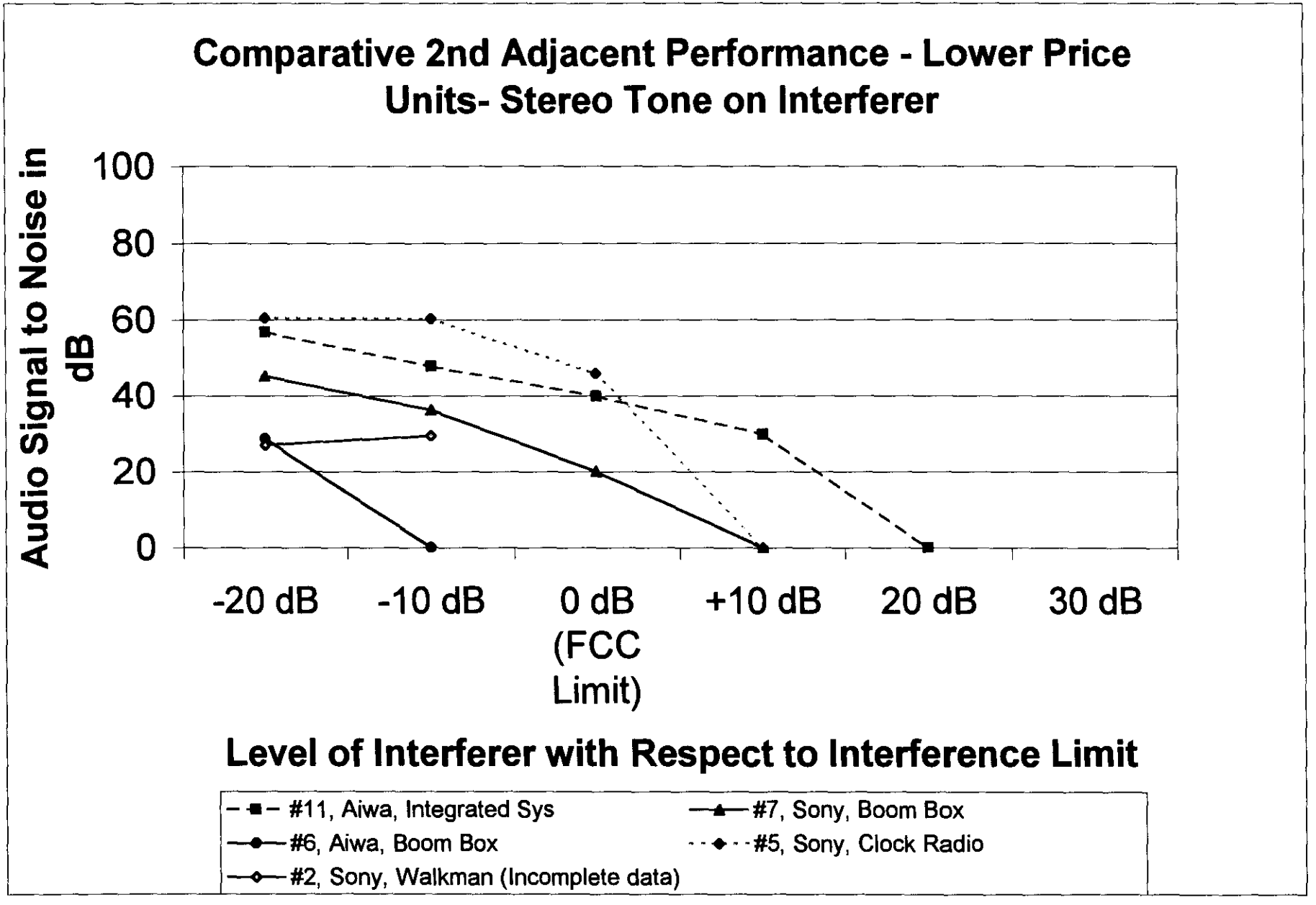

Comparative 1st Adjacent Performance - Higher Price Units - Stereo Tone on Interferer
Audio Signal to Noise in dB
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to Interference Limit
#9, NAD, Tuner
#8, Technics, Component
#4, Denon, NAB Tuner
#1, Marantz, Component

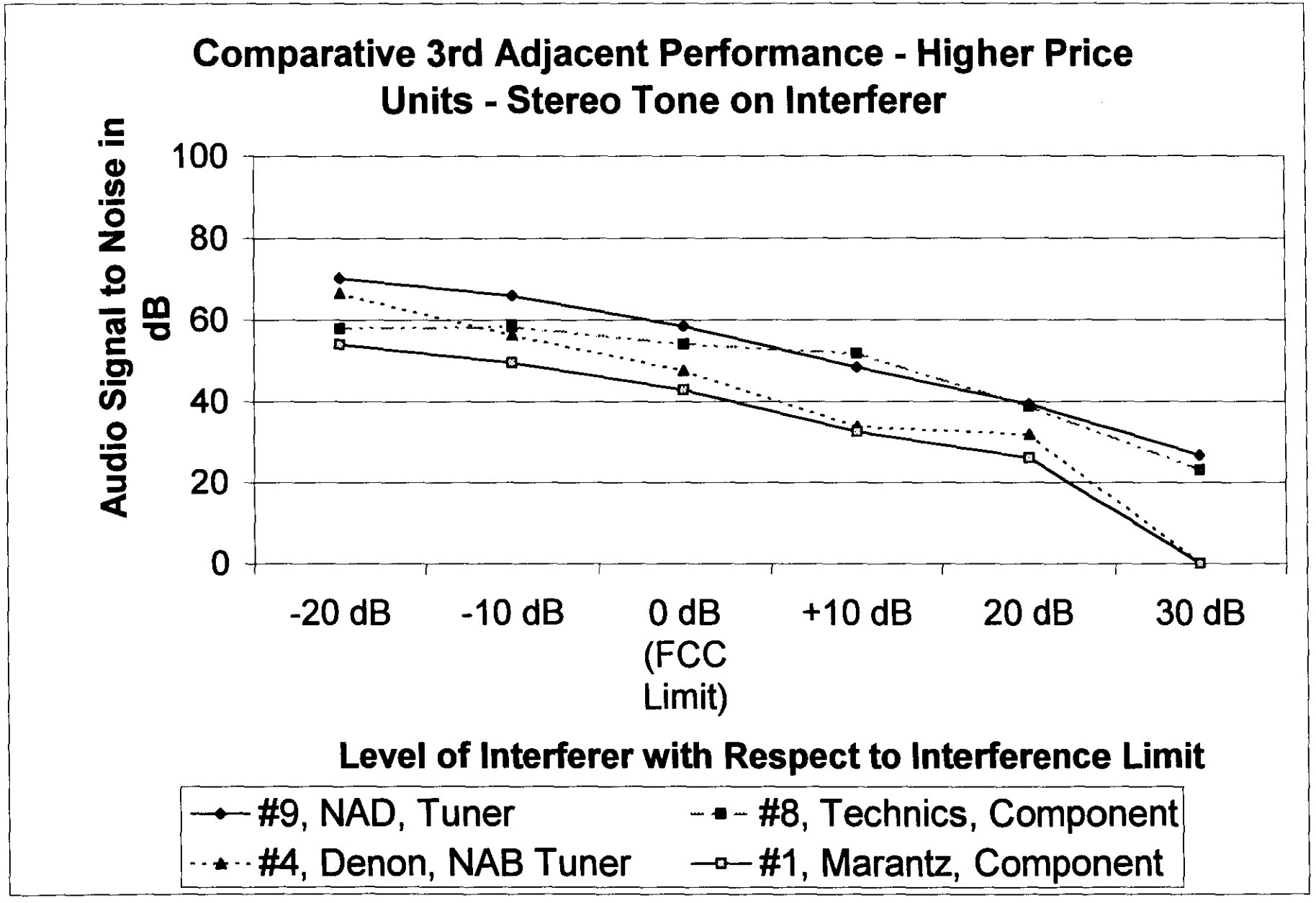

Comparative 1st Adjacent Performance - Car Radios - Stereo Tone on Interferer
Audio Signal to Noise in dB
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to Interference Limit
#10, Ford, Car Stereo
#3, Matsushita, Car Stereo

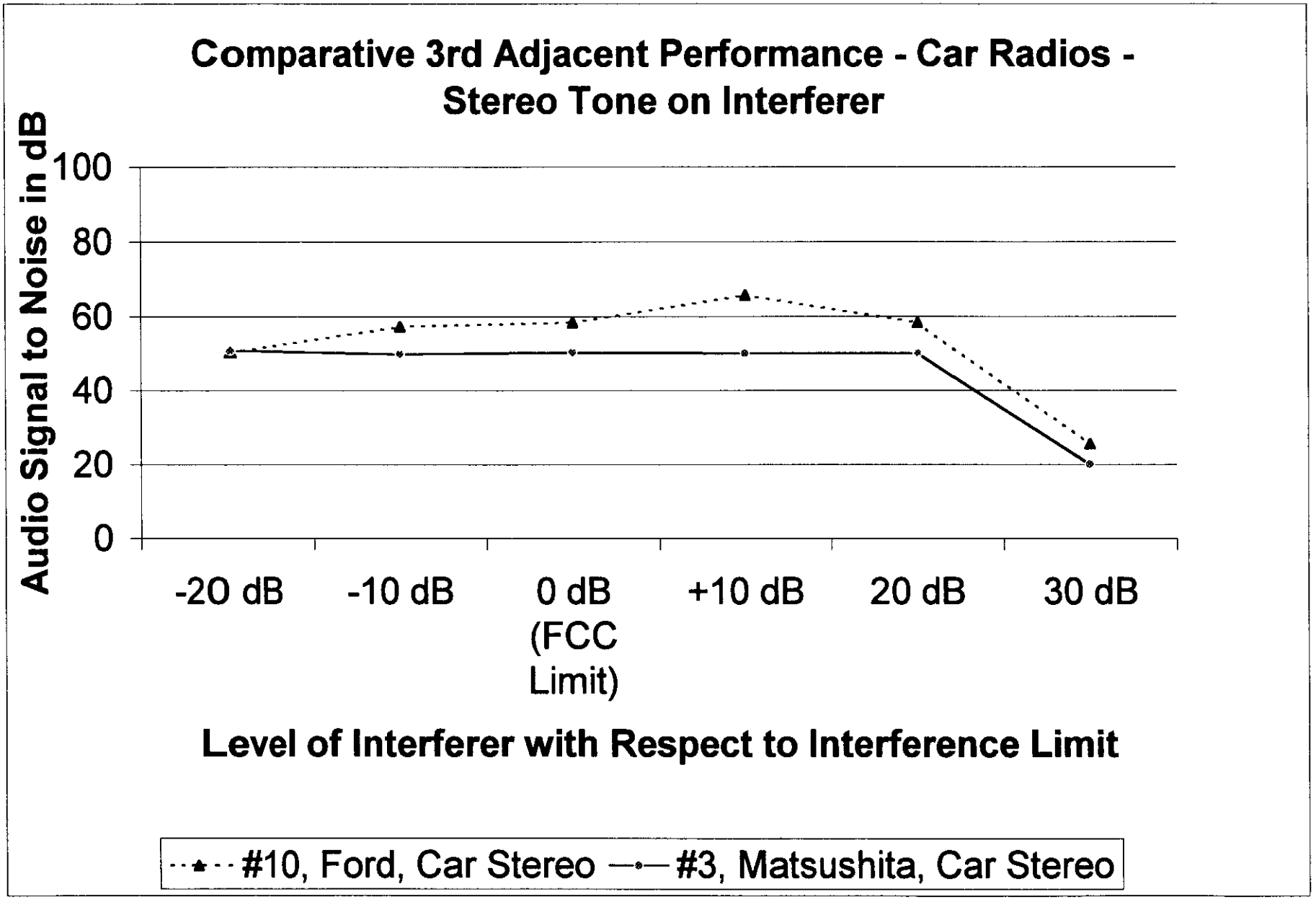

Comparative 1st Adjacent Performance - Lower Price Units - Stereo Tone on Interferer
Audio Signal to Noise in dB
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to Interference Limit
#11, Aiwa, Integrated Sys
#7, Sony, Boom Box
#6, Aiwa, Boom Box
#5, Sony, Clock Radio
#2, Sony, Walkman

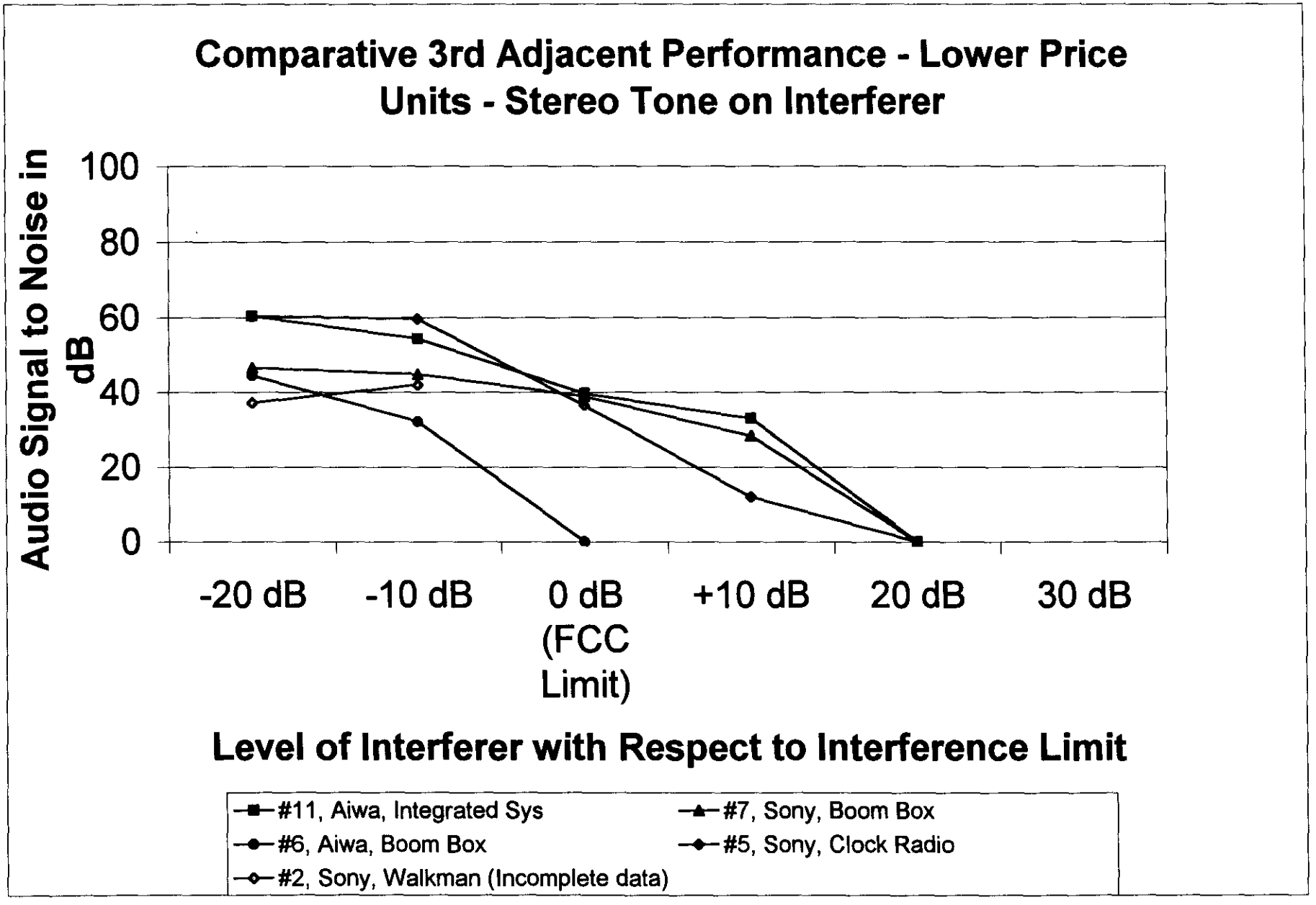

Comparative 2nd Adjacent Performance - Higher Price Units- Stereo Tone on Interferer
Audio Signal to Noise in dB
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to Interference Limit
#9, NAD, Tuner
#8, Technics, Component
#4, Denon, NAB Tuner
#1, Marantz, Component


Comparative 2nd Adjacent Performance - Car Radios-
Stereo Tone on Interferer
Audio Signal to Noise in dB
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to Interference Limit
#10, Ford, Car Stereo
#3, Matsushita, Car Stereo


Comparative 2nd Adjacent Performance - Lower Price Units- Stereo Tone on Interferer
Audio Signal to Noise in dB
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to Interference Limit
#11, Aiwa, Integrated Sys
#7, Sony, Boom Box
#6, Aiwa, Boom Box
#5, Sony, Clock Radio
#2, Sony, Walkman (Incomplete data)


Comparative 3rd Adjacent Performance - Higher Price Units - Stereo Tone on Interferer
Audio Signal to Noise in dB
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to Interference Limit
#9, NAD, Tuner
#8, Technics, Component
#4, Denon, NAB Tuner
#1, Marantz, Component


Comparative 3rd Adjacent Performance - Car Radios - Stereo Tone on Interferer
Audio Signal to Noise in dB
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to Interference Limit
#10, Ford, Car Stereo
#3, Matsushita, Car Stereo


Comparative 3rd Adjacent Performance - Lower Price Units - Stereo Tone on Interferer
Audio Signal to Noise in dB
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to Interference Limit
#11, Aiwa, Integrated Sys
#7, Sony, Boom Box
#6, Aiwa, Boom Box
#5, Sony, Clock Radio
#2, Sony, Walkman (Incomplete data)

Tab F

Appendix F

Test Bed Diagram and Equipment List

Equipment List

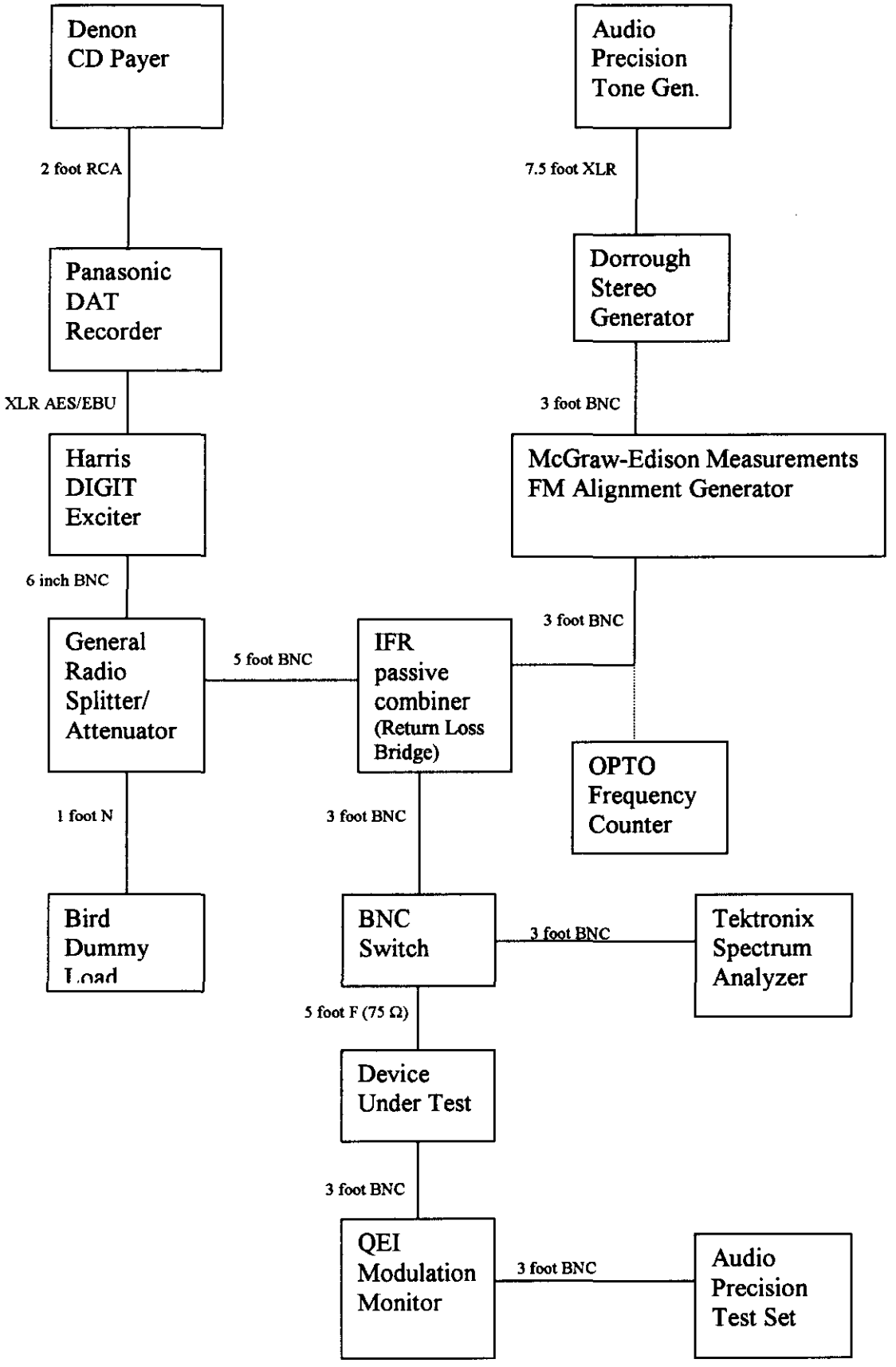
Test Equipment	Provided By
Audio Precision Portable One Plus Test Set	Frost Broadcast Associates
Dorrough 80-B Stereo Generator	WJMN, Boston
McGraw-Edison 189 F.M. Alignment Generator	
Denon DCM-350 Compact Disc Player	
Panasonic SV-3900 Digital Audio Tape Machine	
Harris Digit CD Digital Exciter	Harris Communications
Bird 50 watt Dummy Load	
General Radio GR874 Adjustable Attenuator	
IFR AC4101 Return Loss Bridge	
OPTOelectronics 8013-S Frequency Counter	
QEI 691 F.M. Modulation Monitor	
Tektronix 2710 Spectrum Analyzer	

Radios Tested

#	Tested Radio	Year	Type	Tuning
1	Marantz SR2000	198x	Component Receiver	Analog
2	Sony Sports WMSXF 30	1996	Walkman	Analog
3	Toyota Matsushita	1997	Car Stereo	Digital
4	Denon TU-680 NAB	199x	"NAB" Tuner	Digital
5	Sony Clock Radio	1996	Mono Clock Radio	Analog
6	Aiwa	1994	Boombox	Analog
7	Sony CFD 370	1998	Boombox	Digital
8	Technics SA-80	198x	Component Receiver	Analog
9	NAD 412	199x	Tuner	Analog
10	Ford Car Stereo	1995	Car Stereo	Digital
11	Aiwa	1994	Integrated System	Digital

NAB Tuner provided by Loud and Clean Broadcast Science

System Block Diagram



G

Tab G

Appendix G

Data Tables

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
1	Co-cha	No mod	Noise	Value	71	71		57	52	44	28.8	
1				Variance								
1				Characteristic								
1			Distortion	Value	0.164	0.303		0.7	0.95	2.4	10	
1				Variance								
1				Characteristic								
1	Co-cha	Mono tone	Noise	Value				62	52	41	31	
1				Variance								
1				Characteristic								
1			Distortion	Value				0.34	0.46	1.08	3.3	
1				Variance								
1				Characteristic								
1	Co-cha	Pilot Only	Noise	Value				59	53	43	20	
1				Variance								
1				Characteristic								
1			Distortion	Value				0.7	1	2.5	22	
1				Variance								
1				Characteristic								
1	Co-cha	Stereo tone	Noise	Value				49	40	30	19	
1				Variance								
1				Characteristic								
1			Distortion	Value				0.89	1.8	5.6	18	
1				Variance								
1				Characteristic								
1	Co-cha	Program au	Noise	Value				56	45	40	26.5	
1				Variance					5	4	2.5	
1				Characteristic					b	b	b	
1			Distortion	Value				0.79	1.3	3.5	13	
1				Variance						0.5	2	
1				Characteristic						b		

Rcvr #	Adjacency Co, 1, 2, 3, 4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
1	1st Adj	No mod	Noise	Value			52	46	35	25	0	
1				Variance								
1				Characteristic							c	
1			Distortion	Value			0.78	1.3	4.2	14	100	
1				Variance								
1				Characteristic							c	
1	1st Adj	Mono tone	Noise	Value			48	40	29	0	0	
1				Variance								
1				Characteristic						c	c	
1			Distortion	Value			0.78	1.2	3.8	100		
1				Variance								
1				Characteristic						c	c	
1	1st Adj	Pilot Only	Noise	Value			51.5	37	31.5	17.5	0	
1				Variance			2.5	17	2.5	8.5		
1				Characteristic			b	b	b	b	c	
1			Distortion	Value			0.78	1.3	4.2	13	100	
1				Variance								
1				Characteristic								
1	1st Adj	Stereo tone	Noise	Value			48	40	29	0	0	
1				Variance								
1				Characteristic						c	c	
1			Distortion	Value			0.79	1.2	4	100		
1				Variance					0.2			
1				Characteristic					b	c	c	
1	1st Adj	Program au	Noise	Value			49.5	40.5	31.5	22.5	0	
1				Variance			1.5	1.5	2.5	4.5		
1				Characteristic			b	b	b	b	c	
1			Distortion	Value			0.78	1.2	3.6	13	100	
1				Variance						1		
1				Characteristic						b	c	

Rcvr #	Adjacency Co, 1,2, 3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
1	2nd Adj	No mod	Noise	Value			58	58	57	58	44	35
1				Variance								
1				Characteristic								
1			Distortion	Value			0.7	0.7	0.7	0.68	0.78	1.49
1				Variance								
1				Characteristic								
1	2nd Adj	Mono tone	Noise	Value			58	55	54	46	38	29
1				Variance								
1				Characteristic								
1			Distortion	Value			0.68	0.69	0.69	0.7	0.89	2.02
1				Variance								
1				Characteristic								
1	2nd Adj	Pilot Only	Noise	Value			58	58	57	51	44	36
1				Variance								
1				Characteristic								
1			Distortion	Value			0.69	0.69	0.69	0.68	0.78	1.43
1				Variance								
1				Characteristic								
1	2nd Adj	Stereo tone	Noise	Value			57	57	54	48	38	29
1				Variance								
1				Characteristic								
1			Distortion	Value			0.67	0.69	0.69	0.73	0.97	2
1				Variance								
1				Characteristic								
1	2nd Adj	Program au	Noise	Value			57	57	57	51	57	35
1				Variance								
1				Characteristic								
1			Distortion	Value			0.68	0.69	0.68	0.68	0.7	1.5
1				Variance								
1				Characteristic								

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
1	3rd Adj	No mod	Noise	Value			52	50	45	35	24	0
1				Variance								
1				Characteristic								m
1			Distortion	Value			0.79	0.81	0.94	1.6	5.1	100
1				Variance								
1				Characteristic								m
1	3rd Adj	Mono tone	Noise	Value			55.1	50	42.7	33.4	22	0
1				Variance								
1				Characteristic								m
1			Distortion	Value			0.8	0.81	1	2	4.3	100
1				Variance								
1				Characteristic								m
1	3rd Adj	Pilot Only	Noise	Value			54.5	51.5	45.3	36.1	24.5	0
1				Variance								
1				Characteristic								m
1			Distortion	Value			0.82	0.82	0.95	1.7	5.4	100
1				Variance								
1				Characteristic								m
1	3rd Adj	Stereo tone	Noise	Value			54	49.5	42.8	32.5	26	0
1				Variance								
1				Characteristic								m
1			Distortion	Value			0.8	0.82	1	2.3	8.6	100
1				Variance								
1				Characteristic								m
1	3rd Adj	Program au	Noise	Value			55.7	51.3	45.2	35.2	25.5	0
1				Variance								
1				Characteristic								m
1			Distortion	Value			0.73	0.8	0.9	1.7	4.6	100
1				Variance								
1				Characteristic								m

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
1	4th Adj	No mod	Noise	Value			63.6	59.2	51.2	32.5	32.2	0
1				Variance								
1				Characteristic								m
1			Distortion	Value			0.47	0.5	0.67	4.3	4.3	100
1				Variance								
1				Characteristic								m
1	4th Adj	Mono tone	Noise	Value			63.5	57.1	50.3	32.1	31.9	0
1				Variance								
1				Characteristic								m
1			Distortion	Value			0.48	0.5	0.67	4.3	4.3	100
1				Variance								
1				Characteristic								m
1	4th Adj	Pilot Only	Noise	Value			63.5	59	50.9	32.1	32	0
1				Variance								
1				Characteristic								m
1			Distortion	Value			0.47	0.5	0.67	4.3	4.3	100
1				Variance								
1				Characteristic								m
1	4th Adj	Stereo tone	Noise	Value			63.5	56.1	50.4	32	31.9	0
1				Variance								
1				Characteristic								m
1			Distortion	Value			0.47	0.5	0.67	4.2	4.3	100
1				Variance								
1				Characteristic								m
1	4th Adj	Program au	Noise	Value			63.7	58.4	50	31.9	31.9	0
1				Variance								
1				Characteristic								m
1			Distortion	Value			0.47	0.5	0.67	4.3	4.3	100
1				Variance								
1				Characteristic								m

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
2	Co-cha	No mod	Noise	Value	49.6	49.6						
2				Variance								
2				Characteristic								
2			Distortion	Value	3.2	3.2						
2				Variance								
2				Characteristic								
2	Co-cha	Mono tone	Noise	Value								
2				Variance								
2				Characteristic								
2			Distortion	Value								
2				Variance								
2				Characteristic								
2	Co-cha	Pilot Only	Noise	Value								
2				Variance								
2				Characteristic								
2			Distortion	Value								
2				Variance								
2				Characteristic								
2	Co-cha	Stereo tone	Noise	Value								
2				Variance								
2				Characteristic								
2			Distortion	Value								
2				Variance								
2				Characteristic								
2	Co-cha	Program au	Noise	Value								
2				Variance								
2				Characteristic								
2			Distortion	Value								
2				Variance								
2				Characteristic								

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
2	1st Adj	No mod	Noise	Value			44	40.2	32	29	29.7	24
2				Variance								
2				Characteristic								b
2			Distortion	Value			3.3	3.7	10.3	95	9	14.5
2				Variance								
2				Characteristic								
2	1st Adj	Mono tone	Noise	Value			43.1	38.8	30.5	22	20	3.8
2				Variance								
2				Characteristic						u	u	cu
2			Distortion	Value			3.3	4	11.9	79	11	32
2				Variance								
2				Characteristic							u	u
2	1st Adj	Pilot Only	Noise	Value			44	40	29	16	25	19
2				Variance			3	4				
2				Characteristic			b	b			b	b
2			Distortion	Value			3.3	3.7	10	99	9	14.5
2				Variance								
2				Characteristic								
2	1st Adj	Stereo tone	Noise	Value			41.8	38.1	29.4	24	20	0
2				Variance								
2				Characteristic							u	c
2			Distortion	Value			3.3	3.9	11.4	80	20	30
2				Variance								
2				Characteristic							u	u
2	1st Adj	Program au	Noise	Value			42	39	30	28	27	20
2				Variance								
2				Characteristic							u	u
2			Distortion	Value			3.3	3.9	9.8	89	11	16
2				Variance								
2				Characteristic							u	u

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
2	2nd Adj	No mod	Noise	Value			43.5	39.9				
2				Variance								
2				Characteristic								
2			Distortion	Value			1.3	5.8				
2				Variance								
2				Characteristic								
2	2nd Adj	Mono tone	Noise	Value			28.3	30				
2				Variance								
2				Characteristic								
2			Distortion	Value			2	7.5				
2				Variance								
2				Characteristic								
2	2nd Adj	Pilot Only	Noise	Value			40.4	39.6				
2				Variance								
2				Characteristic								
2			Distortion	Value			1.3	5.6				
2				Variance								
2				Characteristic								
2	2nd Adj	Stereo tone	Noise	Value			27	29.5				
2				Variance								
2				Characteristic								
2			Distortion	Value			1.8	7.2				
2				Variance								
2				Characteristic								
2	2nd Adj	Program au	Noise	Value			38	33				
2				Variance								
2				Characteristic								
2			Distortion	Value			1.7	5.2				
2				Variance								
2				Characteristic								

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
2	3rd Adj	No mod	Noise	Value			47.1	45.5				
2				Variance								
2				Characteristic								
2			Distortion	Value			0.93	1				
2				Variance								
2				Characteristic								
2	3rd Adj	Mono tone	Noise	Value			38.3	42.3				
2				Variance								
2				Characteristic								
2			Distortion	Value			1	1.1				
2				Variance								
2				Characteristic								
2	3rd Adj	Pilot Only	Noise	Value			47.3	45.5				
2				Variance								
2				Characteristic								
2			Distortion	Value			0.93	1				
2				Variance								
2				Characteristic								
2	3rd Adj	Stereo tone	Noise	Value			37.2	42				
2				Variance								
2				Characteristic								
2			Distortion	Value			1	1.1				
2				Variance								
2				Characteristic								
2	3rd Adj	Program au	Noise	Value			40	45.3				
2				Variance			4					
2				Characteristic			b					
2			Distortion	Value			0.98	1				
2				Variance								
2				Characteristic								

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
2	4th Adj	No mod	Noise	Value			53.3	28.3				
2				Variance								
2				Characteristic								
2			Distortion	Value			0.58	19.4				
2				Variance								
2				Characteristic								
2	4th Adj	Mono tone	Noise	Value			53.3	27.8				
2				Variance								
2				Characteristic								
2			Distortion	Value			0.58	19.5				
2				Variance								
2				Characteristic								
2	4th Adj	Pilot Only	Noise	Value			53.3	27.5				
2				Variance								
2				Characteristic								
2			Distortion	Value			0.58	19				
2				Variance								
2				Characteristic								
2	4th Adj	Stereo tone	Noise	Value			53.3	27.5				
2				Variance								
2				Characteristic								
2			Distortion	Value			0.58	19.5				
2				Variance								
2				Characteristic								
2	4th Adj	Program au	Noise	Value			53.3	10.1				
2				Variance								
2				Characteristic								
2			Distortion	Value			0.58	19.2				
2				Variance								
2				Characteristic								

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
					Undesired dB above (-below) FCC ratio							
3	Co-cha	No mod	Noise	Value	64.9	55	59.5	55	44.4	33.6	37.5	33.8
3				Variance								
3				Characteristic								u
3			Distortion	Value	1.25	1.15	1.18	1.8	5.9	18.4	45	64
3				Variance								
3				Characteristic								
3	Co-cha	Mono tone	Noise	Value			55.5	45.2	33.3	22.6	0	0
3				Variance								
3				Characteristic							c	c
3			Distortion	Value			1.14	1.5	4.5	14.8	100	
3				Variance								
3				Characteristic							cu	c
3	Co-cha	Pilot Only	Noise	Value			59.3	51.9	40	29	30	33
3				Variance								
3				Characteristic								
3			Distortion	Value			1.18	1.8	5.9	18	53	91
3				Variance								
3				Characteristic								
3	Co-cha	Stereo tone	Noise	Value			53.5	44.5	32.6	22	0	0
3				Variance								
3				Characteristic							c	c
3			Distortion	Value			1.15	1.6	4.6	15.3	100	
3				Variance								
3				Characteristic							cu	c
3	Co-cha	Program au	Noise	Value			59.3	51	41	29	0	0
3				Variance								
3				Characteristic							c	c
3			Distortion	Value			1.17	1.8	5.8	19	100	
3				Variance								
3				Characteristic							cu	c

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
3	1st Adj	No mod	Noise	Value			60.8	61.2	60.5	59.4	54.2	48.4
3				Variance								
3				Characteristic								
3			Distortion	Value			1.09	1.08	1.09	1.04	1.06	1.1
3				Variance								
3				Characteristic								
3	1st Adj	Mono tone	Noise	Value			60.6	61.1	60.7	58.8	50.2	44.9
3				Variance								
3				Characteristic								
3			Distortion	Value			1.08	1.08	1.09	1.06	2.4	25
3				Variance								
3				Characteristic								u
3	1st Adj	Pilot Only	Noise	Value			60.8	61.1	60.4	59.4	54.2	48.4
3				Variance								
3				Characteristic								
3			Distortion	Value			1.08	1.08	1.09	1.03	1.06	1.1
3				Variance								
3				Characteristic								
3	1st Adj	Stereo tone	Noise	Value			60.8	61.1	60.7	57.4	50	44.5
3				Variance								5.5
3				Characteristic								bu
3			Distortion	Value			1.08	1.08	1.09	1.07	3.2	12
3				Variance							1.4	
3				Characteristic							b	u
3	1st Adj	Program au	Noise	Value			60.8	60.4	60.6	59.3	54.2	48.4
3				Variance								
3				Characteristic								
3			Distortion	Value			1.08	1.08	1.08	1.03	1.06	1.1
3				Variance								
3				Characteristic								

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
3	2nd Adj	No mod	Noise	Value			51.1	50.1	51.6	51.1	42.6	22.6
3				Variance								
3				Characteristic								
3			Distortion	Value			1.1	0.9	0.61	0.68	2.2	36
3				Variance								
3				Characteristic								
3	2nd Adj	Mono tone	Noise	Value			50.9	50	51.1	50.7	42.4	19.1
3				Variance								
3				Characteristic								
3			Distortion	Value			1.1	0.9	0.63	0.78	2.4	48
3				Variance								
3				Characteristic								
3	2nd Adj	Pilot Only	Noise	Value			51.1	50.1	51.6	51.1	42.6	22.5
3				Variance								
3				Characteristic								
3			Distortion	Value			1.1	0.9	0.61	0.67	2.2	38
3				Variance								
3				Characteristic								
3	2nd Adj	Stereo tone	Noise	Value			50.9	49.8	50	50.3	42.5	20
3				Variance								
3				Characteristic								
3			Distortion	Value			1.1	0.9	0.62	0.7	2.3	45
3				Variance								
3				Characteristic								
3	2nd Adj	Program au	Noise	Value			51.1	50.1	51.6	51.1	42.7	22.5
3				Variance								
3				Characteristic								
3			Distortion	Value			1.1	0.9	0.61	0.67	2.2	38
3				Variance								
3				Characteristic								

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
3	3rd Adj	No mod	Noise	Value			51.2	50	51.8	51.8	51.5	34.3
3				Variance								
3				Characteristic								
3			Distortion	Value			1.1	0.9	0.6	0.59	0.61	9.3
3				Variance								
3				Characteristic								
3	3rd Adj	Mono tone	Noise	Value			50.6	49.5	49.9	49.2	49	18
3				Variance								
3				Characteristic								u
3			Distortion	Value			1.1	0.91	0.64	0.82	0.89	31
3				Variance								
3				Characteristic								
3	3rd Adj	Pilot Only	Noise	Value			51.2	50	51.8	51.8	51.7	34
3				Variance								
3				Characteristic								
3			Distortion	Value			1.1	0.89	0.61	0.59	0.61	10.1
3				Variance								
3				Characteristic								
3	3rd Adj	Stereo tone	Noise	Value			50.7	49.7	50.3	50	50	20
3				Variance								
3				Characteristic								u
3			Distortion	Value			1.1	0.91	0.64	0.75	0.84	28
3				Variance								
3				Characteristic								
3	3rd Adj	Program au	Noise	Value			51.3	50.1	51.6	51.8	51.6	34
3				Variance								
3				Characteristic								
3			Distortion	Value			1.1	0.9	0.61	0.6	0.62	9.9
3				Variance								
3				Characteristic								

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
3	4th Adj	No mod	Noise	Value								
3				Variance								
3				Characteristic								
3			Distortion	Value								
3				Variance								
3				Characteristic								
3	4th Adj	Mono tone	Noise	Value								
3				Variance								
3				Characteristic								
3			Distortion	Value								
3				Variance								
3				Characteristic								
3	4th Adj	Pilot Only	Noise	Value								
3				Variance								
3				Characteristic								
3			Distortion	Value								
3				Variance								
3				Characteristic								
3	4th Adj	Stereo tone	Noise	Value								
3				Variance								
3				Characteristic								
3			Distortion	Value								
3				Variance								
3				Characteristic								
3	4th Adj	Program au	Noise	Value								
3				Variance								
3				Characteristic								
3			Distortion	Value								
3				Variance								
3				Characteristic								

Rcvr #	Adjacency Co, 1,2, 3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	at Test RF level, no interferer	Undesired dB above (-below) FCC ratio -20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
4	Co-cha	No mod	Noise	Value	78.4	73.1	70.3	65.5	56.8	47.1	35.9	47
4				Variance								
4				Characteristic								u
4			Distortion	Value	0.27	0.16	0.18	0.35	1.8	4	55	90
4				Variance								
4				Characteristic							u	u
4	Co-cha	Mono tone	Noise	Value			63.3	51.3	41.1	31.8	0	0
4				Variance								
4				Characteristic							u	c
4			Distortion	Value			0.16	0.51	1.55	7.6	39	100
4				Variance								
4				Characteristic							u	c
4	Co-cha	Pilot Only	Noise	Value			70.2	65.2	56	47	25	43
4				Variance					20			
4				Characteristic					b			u
4			Distortion	Value			0.23	2.3	3.5	4.1	49.5	63
4				Variance							3.5	
4				Characteristic							ub	u
4	Co-cha	Stereo tone	Noise	Value			61.6	50.2	40.3	31.5	0	0
4				Variance								
4				Characteristic							u	c
4			Distortion	Value			0.2	0.55	1.6	4.6	36	100
4				Variance								
4				Characteristic							u	u
4	Co-cha	Program au	Noise	Value			70	63	57	46	0	0
4				Variance			2	18	12	16		
4				Characteristic			e	e	e	e	u	c
4			Distortion	Value			0.21	0.63	1.9	4.3	50	100
4				Variance								
4				Characteristic							u	c

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
4	1st Adj	No mod	Noise	Value			72.3	72.3	72.3	72	71.2	0
4				Variance								
4				Characteristic								m
4			Distortion	Value			0.15	0.15	0.15	0.16	0.97	100
4				Variance								
4				Characteristic								m
4	1st Adj	Mono tone	Noise	Value			71.2	71.2	71.2	39.5	0	0
4				Variance								
4				Characteristic							u	m
4			Distortion	Value			0.15	0.15	0.16	1.1	100	
4				Variance								
4				Characteristic							u	m
4	1st Adj	Pilot Only	Noise	Value			71.8	71.7	71.7	71.6	71.2	0
4				Variance								
4				Characteristic								m
4			Distortion	Value			0.15	0.15	0.15	0.15	0.94	100
4				Variance								
4				Characteristic								m
4	1st Adj	Stereo tone	Noise	Value			71.8	71.8	71.6	43.2	0	0
4				Variance								
4				Characteristic							u	m
4			Distortion	Value			0.15	0.15	0.15	1.1	100	
4				Variance								
4				Characteristic							u	m
4	1st Adj	Program au	Noise	Value			71.2	71.2	71.4	71.1	28	0
4				Variance							14	
4				Characteristic							b	m
4			Distortion	Value			0.15	0.15	0.15	0.16	40	100
4				Variance							20	
4				Characteristic							b	m

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
4	2nd Adj	No mod	Noise	Value			69.8	63.5	49.3	38.1	35.1	0
4				Variance								
4				Characteristic								m
4			Distortion	Value			0.15	0.18	0.6	2.1	3	100
4				Variance								
4				Characteristic								m
4	2nd Adj	Mono tone	Noise	Value			67.7	60.4	45.8	34.5	31.8	0
4				Variance								
4				Characteristic								m
4			Distortion	Value			0.15	0.19	0.77	2.9	4.3	100
4				Variance								
4				Characteristic								m
4	2nd Adj	Pilot Only	Noise	Value			69.8	63.7	49.3	38.1	35.3	0
4				Variance								
4				Characteristic								m
4			Distortion	Value			0.15	0.18	0.6	2.1	2.9	100
4				Variance								
4				Characteristic								m
4	2nd Adj	Stereo tone	Noise	Value			67.2	59.7	45.5	33.3	31.7	0
4				Variance								
4				Characteristic								m
4			Distortion	Value			0.15	0.19	0.75	2.7	3.5	100
4				Variance								
4				Characteristic								m
4	2nd Adj	Program au	Noise	Value			69.7	63.7	49.3	37.9	35.1	0
4				Variance								
4				Characteristic								m
4			Distortion	Value			0.15	0.18	0.6	2.1	3	100
4				Variance								
4				Characteristic								m

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
4	3rd Adj	No mod	Noise	Value			69.1	63.3	52.7	40.7	36.9	0
4				Variance								
4				Characteristic								
4			Distortion	Value			0.15	0.18	0.42	1.6	2.6	m 100
4				Variance								
4				Characteristic								
4	3rd Adj	Mono tone	Noise	Value			65.1	56.5	45.2	34.3	31.9	m 0
4				Variance								
4				Characteristic								
4			Distortion	Value			0.15	0.21	0.59	2.3	3.6	m 100
4				Variance								
4				Characteristic								
4	3rd Adj	Pilot Only	Noise	Value			69.2	63.3	52.7	40.7	37	m 0
4				Variance								
4				Characteristic								
4			Distortion	Value			0.15	0.18	0.42	1.6	2.5	m 100
4				Variance								
4				Characteristic								
4	3rd Adj	Stereo tone	Noise	Value			66.5	56.3	47.6	33.7	31.8	m 0
4				Variance								
4				Characteristic								
4			Distortion	Value			0.15	0.2	0.55	2.1	3.6	m 100
4				Variance								
4				Characteristic								
4	3rd Adj	Program au	Noise	Value			68.6	63.2	52.5	40.6	36.8	m 0
4				Variance								
4				Characteristic								
4			Distortion	Value			0.15	0.18	0.43	1.6	2.6	m 100
4				Variance								
4				Characteristic								m

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
4	4th Adj	No mod	Noise	Value					53.2	40	35.2	
4				Variance								
4				Characteristic								
4			Distortion	Value					0.4	1.5	2.9	
4				Variance								
4				Characteristic								
4	4th Adj	Mono tone	Noise	Value					50.2	40.8	34.9	
4				Variance								
4				Characteristic								
4			Distortion	Value					0.4	1.5	3	
4				Variance								
4				Characteristic								
4	4th Adj	Pilot Only	Noise	Value					53.2	41.1	35.2	
4				Variance								
4				Characteristic								
4			Distortion	Value					0.4	1.5	3	
4				Variance								
4				Characteristic								
4	4th Adj	Stereo tone	Noise	Value					50.5	40.7	34.8	
4				Variance								
4				Characteristic								
4			Distortion	Value					0.4	1.5	3	
4				Variance								
4				Characteristic								
4	4th Adj	Program au	Noise	Value					53	40.8	35.1	
4				Variance								
4				Characteristic								
4			Distortion	Value					0.4	1.5	2.9	
4				Variance								
4				Characteristic								

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
5	Co-cha	No mod	Noise	Value	44.6	44.6	63.4	63.2	61.7	56.1	57.7	0
5				Variance								
5				Characteristic								c
5			Distortion	Value	3.3	2.9	2.3	2.3	2.4	2.3	28	100
5				Variance								
5				Characteristic								c
5	Co-cha	Mono tone	Noise	Value			55.7	54.9	61.4	48.2	0	0
5				Variance								
5				Characteristic							c	c
5			Distortion	Value			2.5	2.5	2.4	2.4	41	100
5				Variance								
5				Characteristic								c
5	Co-cha	Pilot Only	Noise	Value			63.2	63	52.9	55.9	51.7	0
5				Variance							8	
5				Characteristic							b	c
5			Distortion	Value			2.3	2.3	2.4	2.3	28	100
5				Variance								
5				Characteristic								c
5	Co-cha	Stereo tone	Noise	Value			54.8	54.2	52	47.3	0	0
5				Variance								
5				Characteristic							c	c
5			Distortion	Value			2.5	2.5	2.4	2.4	42	100
5				Variance								
5				Characteristic								c
5	Co-cha	Program au	Noise	Value			60.7	59.4	57.8	53.2	0	0
5				Variance								
5				Characteristic							c	c
5			Distortion	Value			2.4	2.4	2.4	2.4	33.5	100
5				Variance							1.5	
5				Characteristic							b	c

Rcvr #	Adjacency Co,1,2,3,4	Interferer Mode No mod, Pilot only, Mono tone, Stereo tone, Test program	Desired signal mode Noise (dB below 100% mod), Distortion (%)	Data Point VaLue, VariaNce, Characteristic	Full Quieting, no interferer	Undesired dB above (-below) FCC ratio at Test RF level, no interferer	-20 dB	-10 dB	0 dB (FCC Limit)	+10 dB	20 dB	30 dB
5	1st Adj	No mod	Noise	Value			60.5	60.5	60.5	60.5	60.4	59.5
5				Variance								
5				Characteristic								
5			Distortion	Value			2.2	2.2	2.2	2.2	2.2	2.1
5				Variance								
5				Characteristic								
5	1st Adj	Mono tone	Noise	Value			60.5	60.5	59.9	59.1	50.4	0
5				Variance								
5				Characteristic								cu
5			Distortion	Value			2.2	2.2	2.2	2.2	3.2	46
5				Variance								
5				Characteristic								u
5	1st Adj	Pilot Only	Noise	Value			60.5	60.5	60.5	60.5	60.4	59.5
5				Variance								
5				Characteristic								
5			Distortion	Value			2.2	2.2	2.2	2.2	2.2	2.1
5				Variance								
5				Characteristic								
5	1st Adj	Stereo tone	Noise	Value			60.5	60.5	60.2	60.2	55.2	0
5				Variance								
5				Characteristic								cu
5			Distortion	Value			2.2	2.2	2.2	2.2	2.7	50
5				Variance								
5				Characteristic								u
5	1st Adj	Program au	Noise	Value			60.5	60.5	60.5	60.4	60.4	57
5				Variance								
5				Characteristic								e
5			Distortion	Value			2.2	2.2	2.2	2.2	2.2	3.6
5				Variance								1.42
5				Characteristic								b