D

Tab D

Appendix D

Graphs:

Comparison of THD+N Performance against Modulation Types

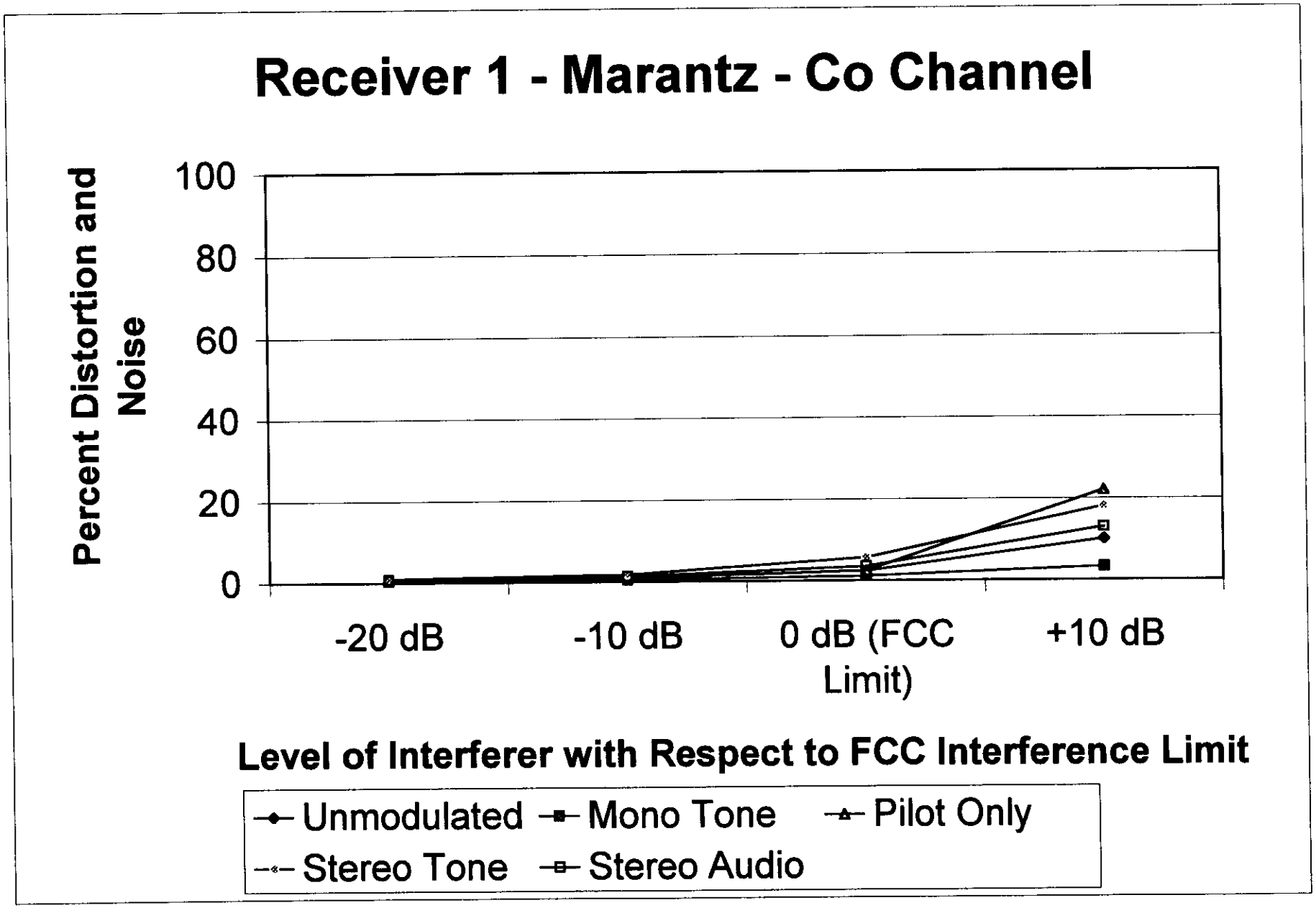
--By Radio and Adjacency

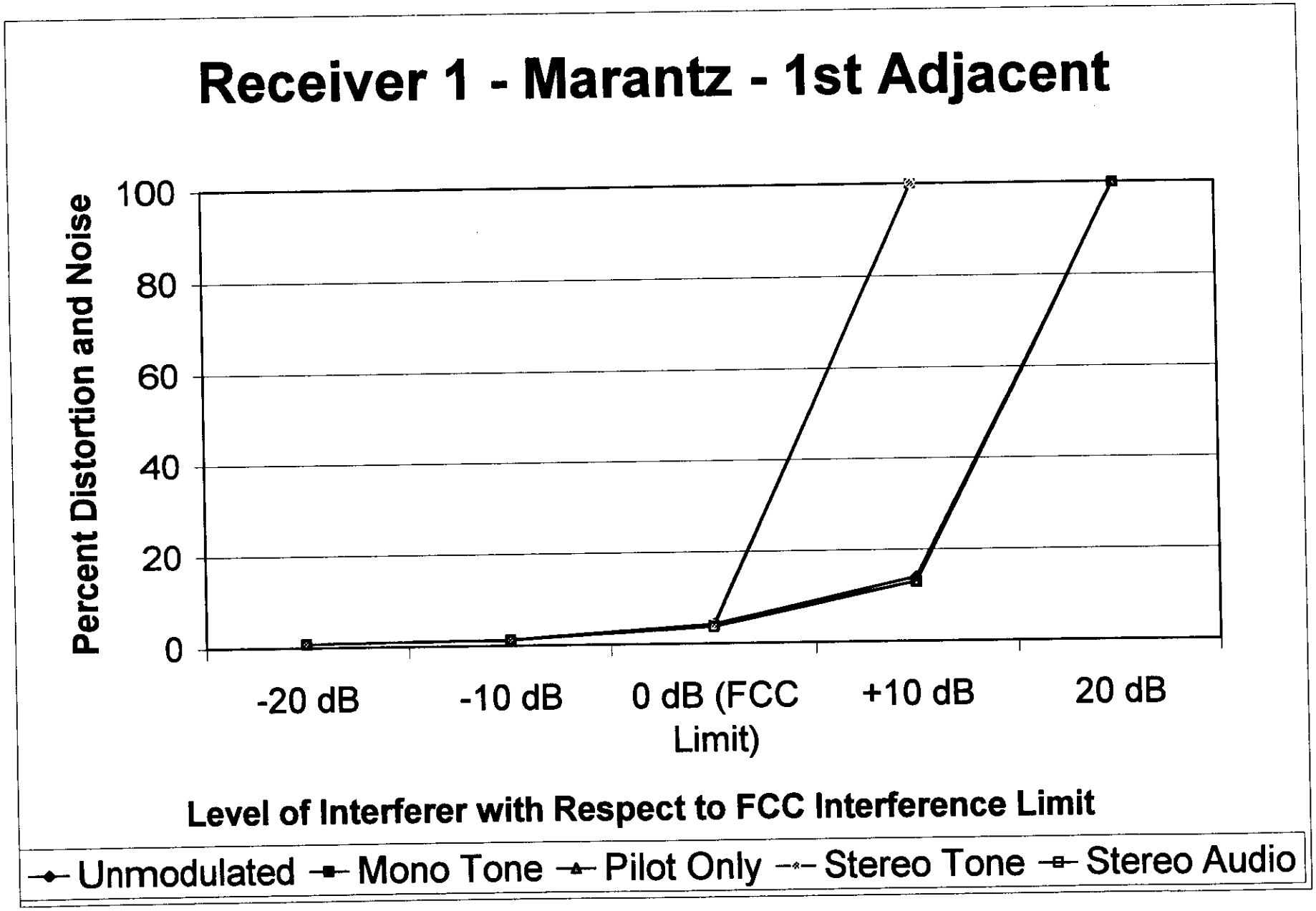
Comparison of THD+N Performance against Modulation Types

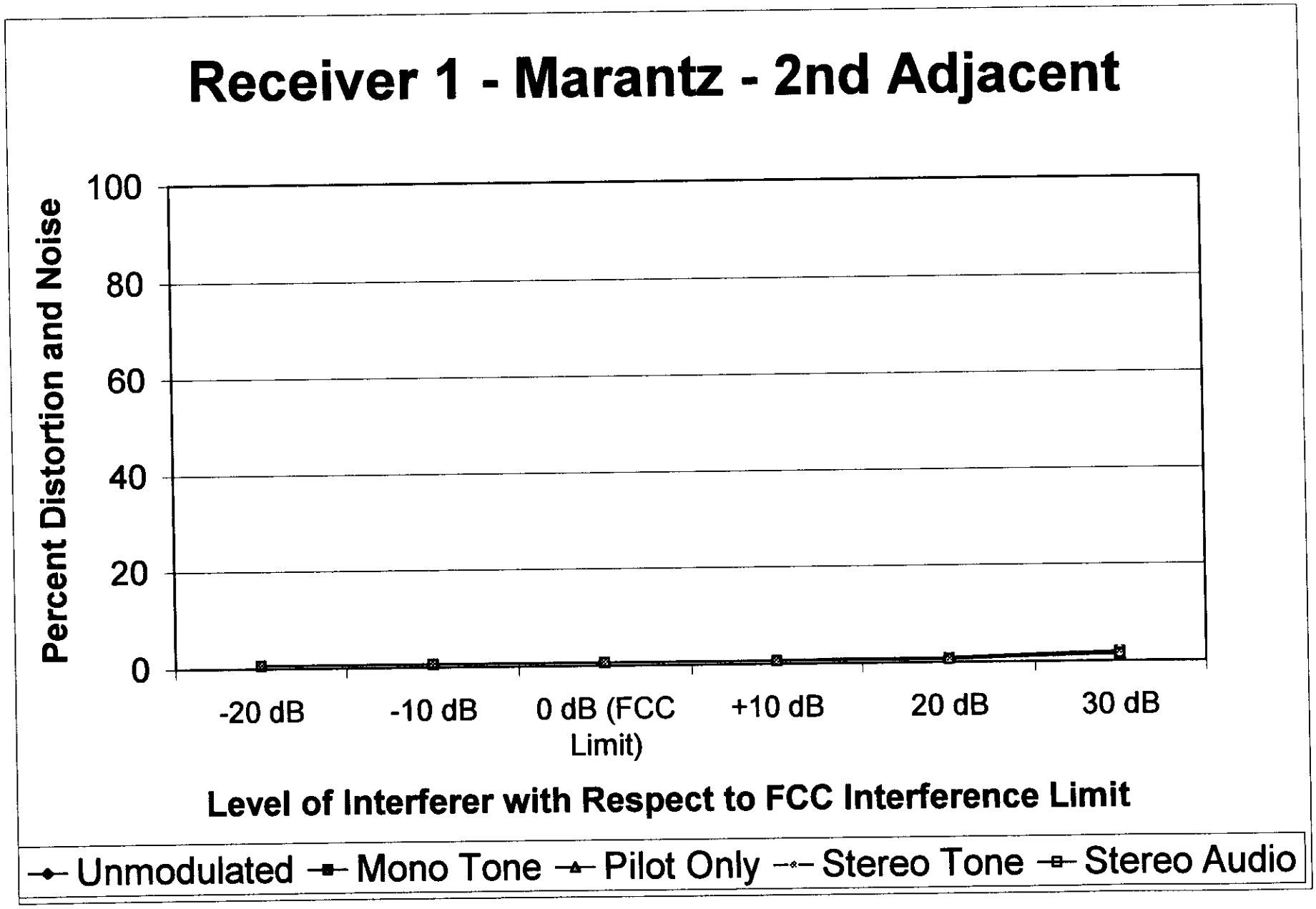
--By Radio and Adjacency

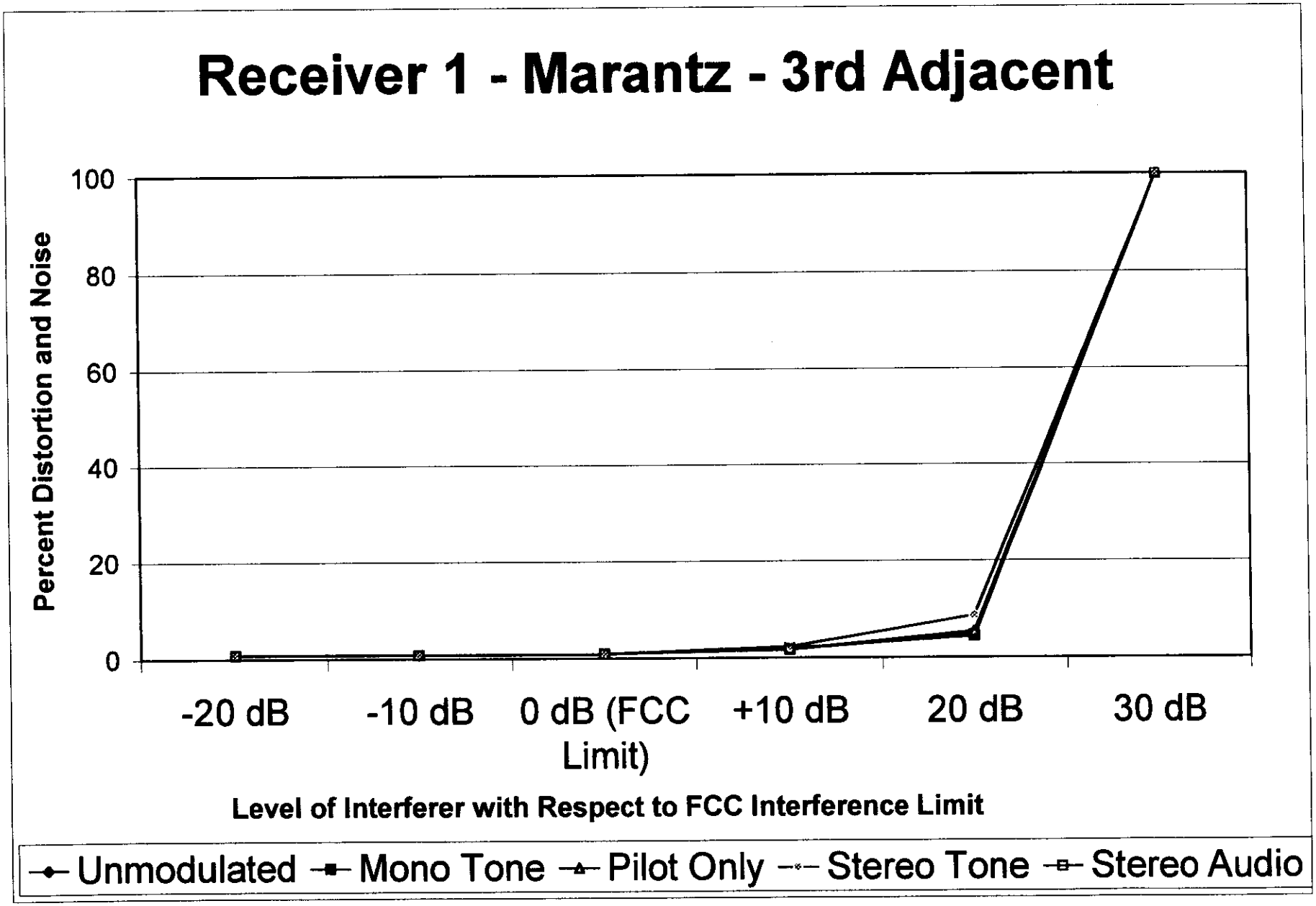
Higher Price Receivers

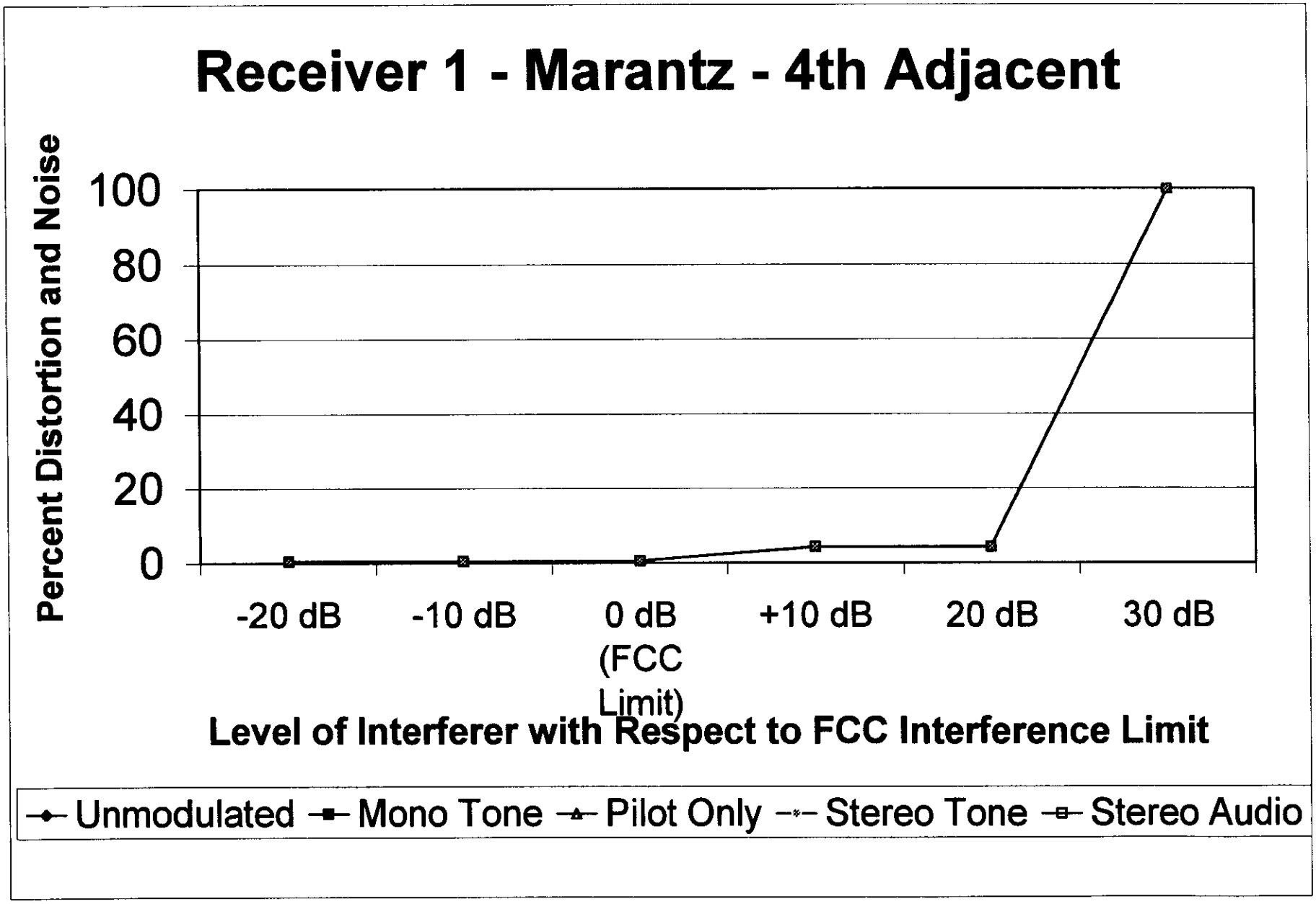
#1 Marantz
#4 Denon
#8 Technics
#9 NAD

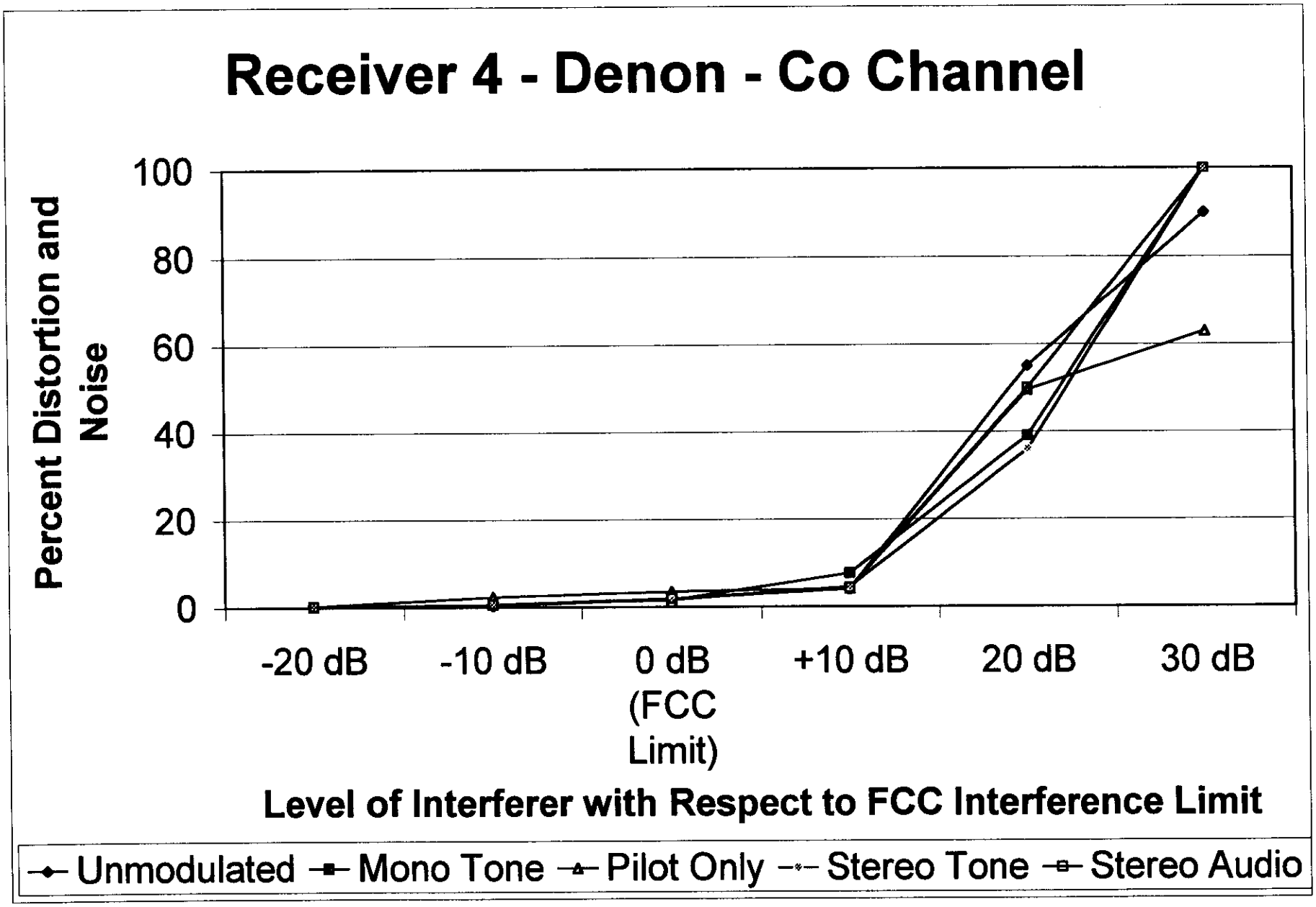

Receiver 1 - Marantz - Co Channel
Percent Distortion and Noise
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
Level of Interferer with Respect to FCC Interference Limit
Unmodulated
Mono Tone
Pilot Only
Stereo Tone
Stereo Audio

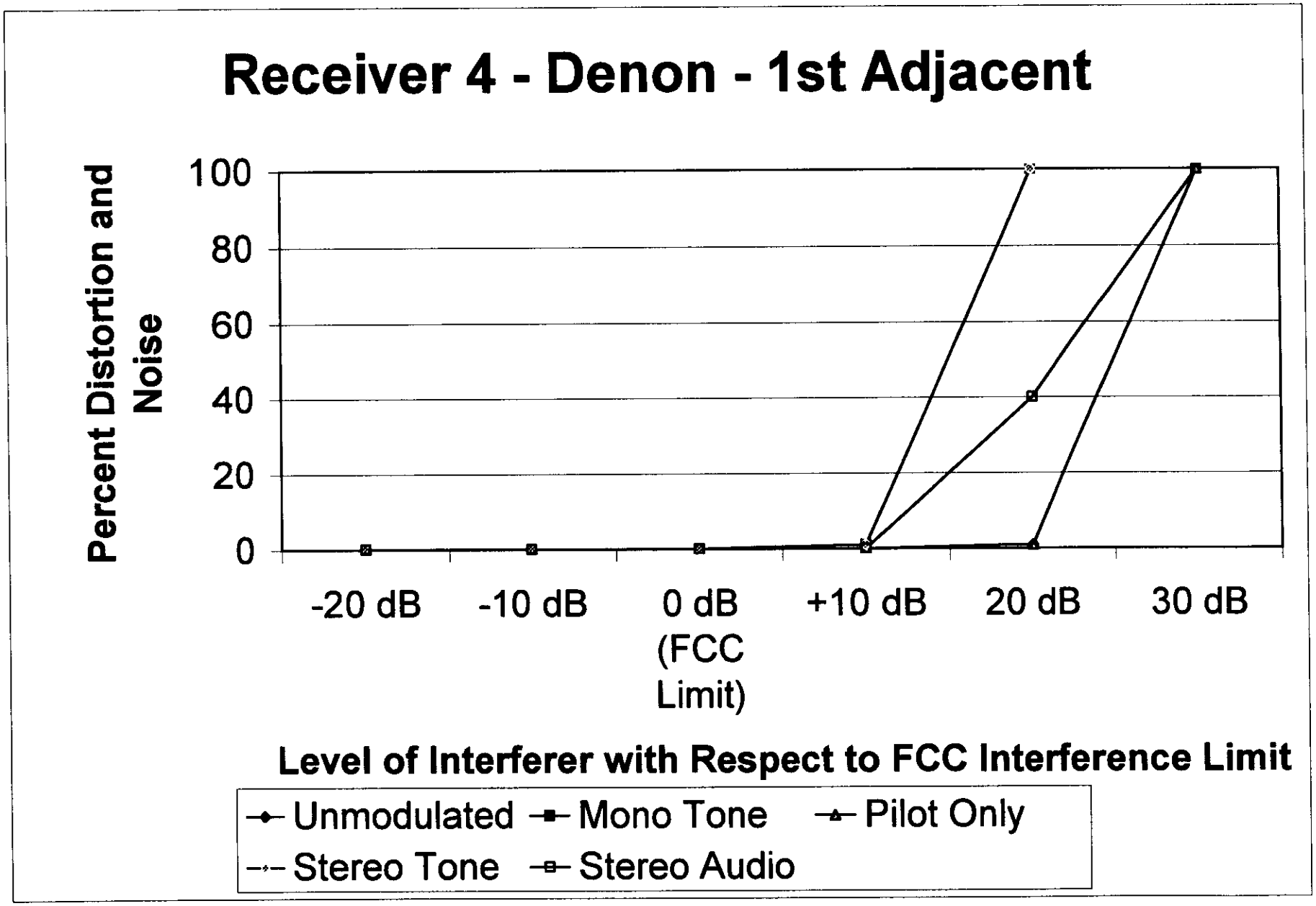

Receiver 1 - Marantz - 1st Adjacent
Percent Distortion and Noise
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
Level of Interferer with Respect to FCC Interference Limit
Unmodulated
Mono Tone
Pilot Only
Stereo Tone
Stereo Audio

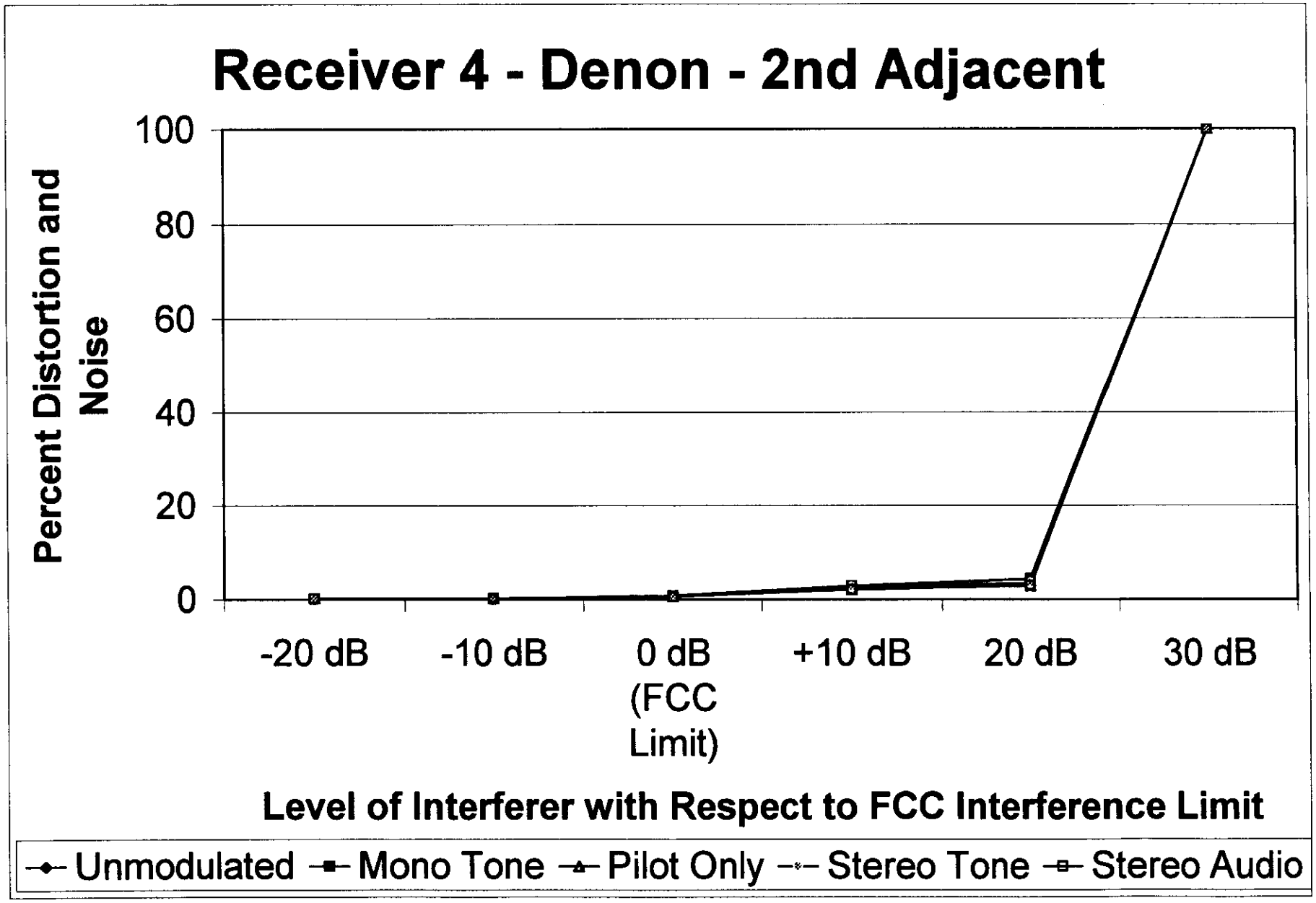

Receiver 1 - Marantz - 2nd Adjacent
Percent Distortion and Noise
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to FCC Interference Limit
Unmodulated
Mono Tone
Pilot Only
Stereo Tone
Stereo Audio

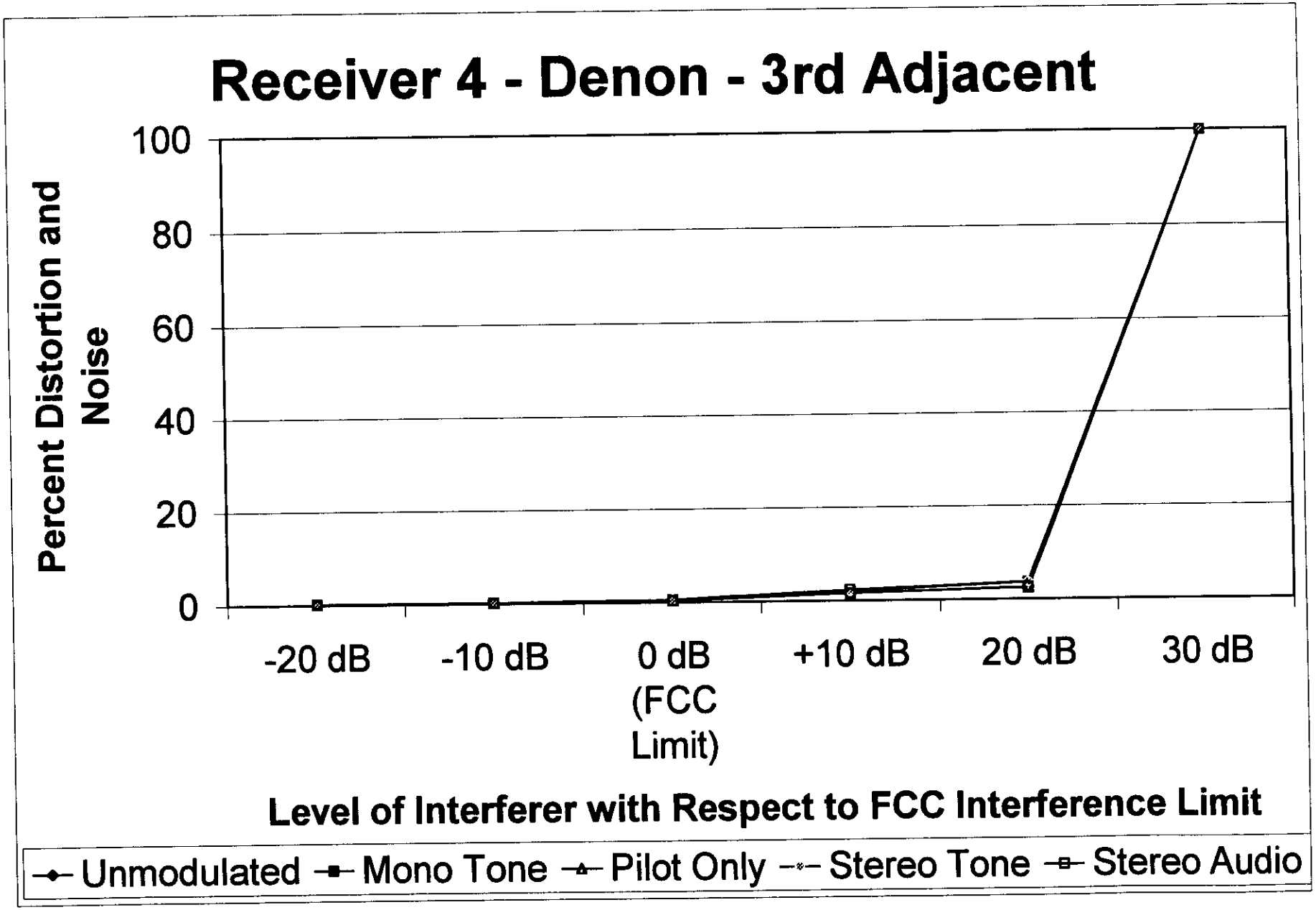

Receiver 1 - Marantz - 3rd Adjacent
Percent Distortion and Noise
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to FCC Interference Limit
Unmodulated
Mono Tone
Pilot Only
Stereo Tone
Stereo Audio

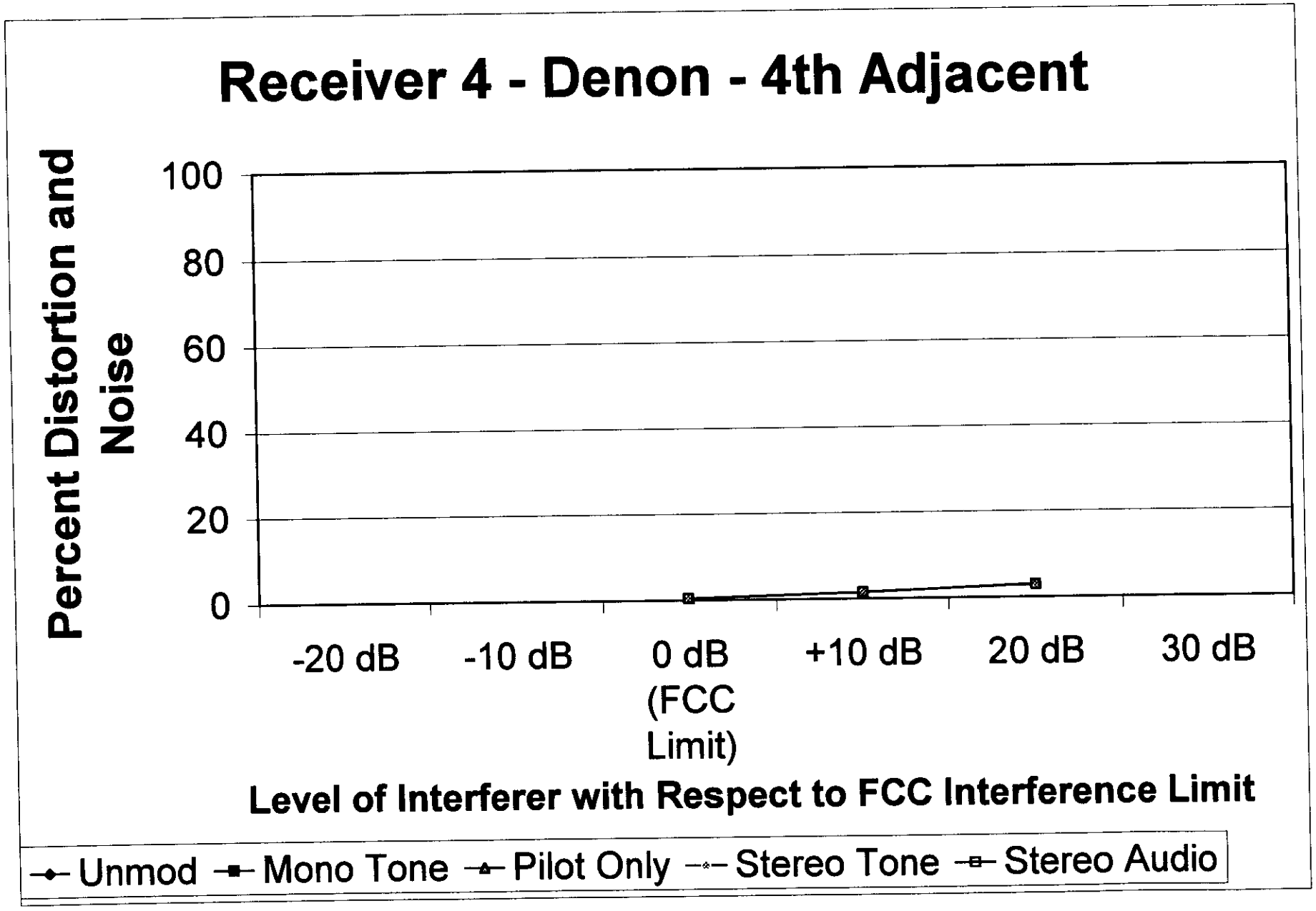

Receiver 1 - Marantz - 4th Adjacent
Percent Distortion and Noise
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to FCC Interference Limit
Unmodulated
Mono Tone
Pilot Only
Stereo Tone
Stereo Audio

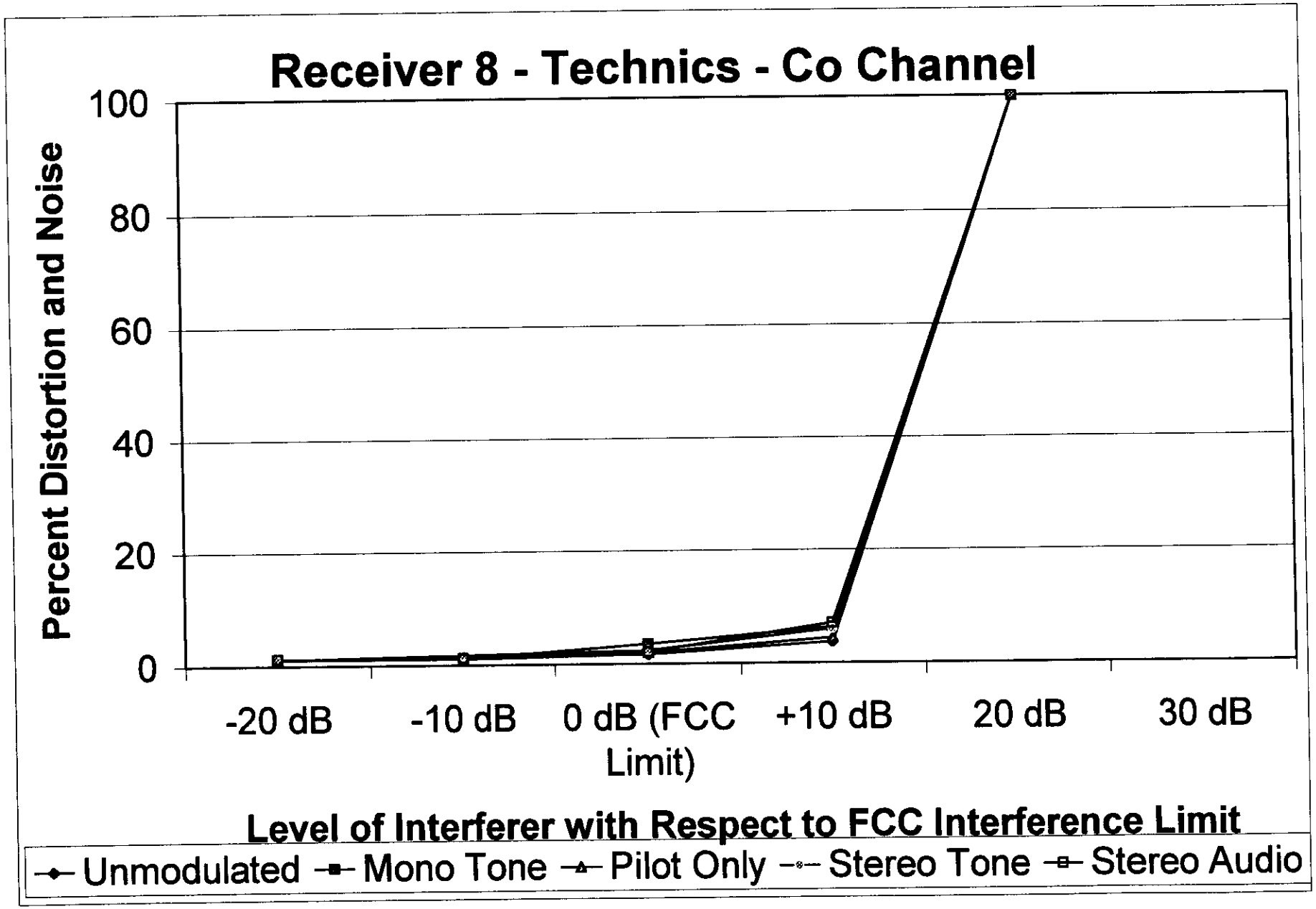

Receiver 4 - Denon - Co Channel
Percent Distortion and Noise
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to FCC Interference Limit
Unmodulated
Mono Tone
Pilot Only
Stereo Tone
Stereo Audio

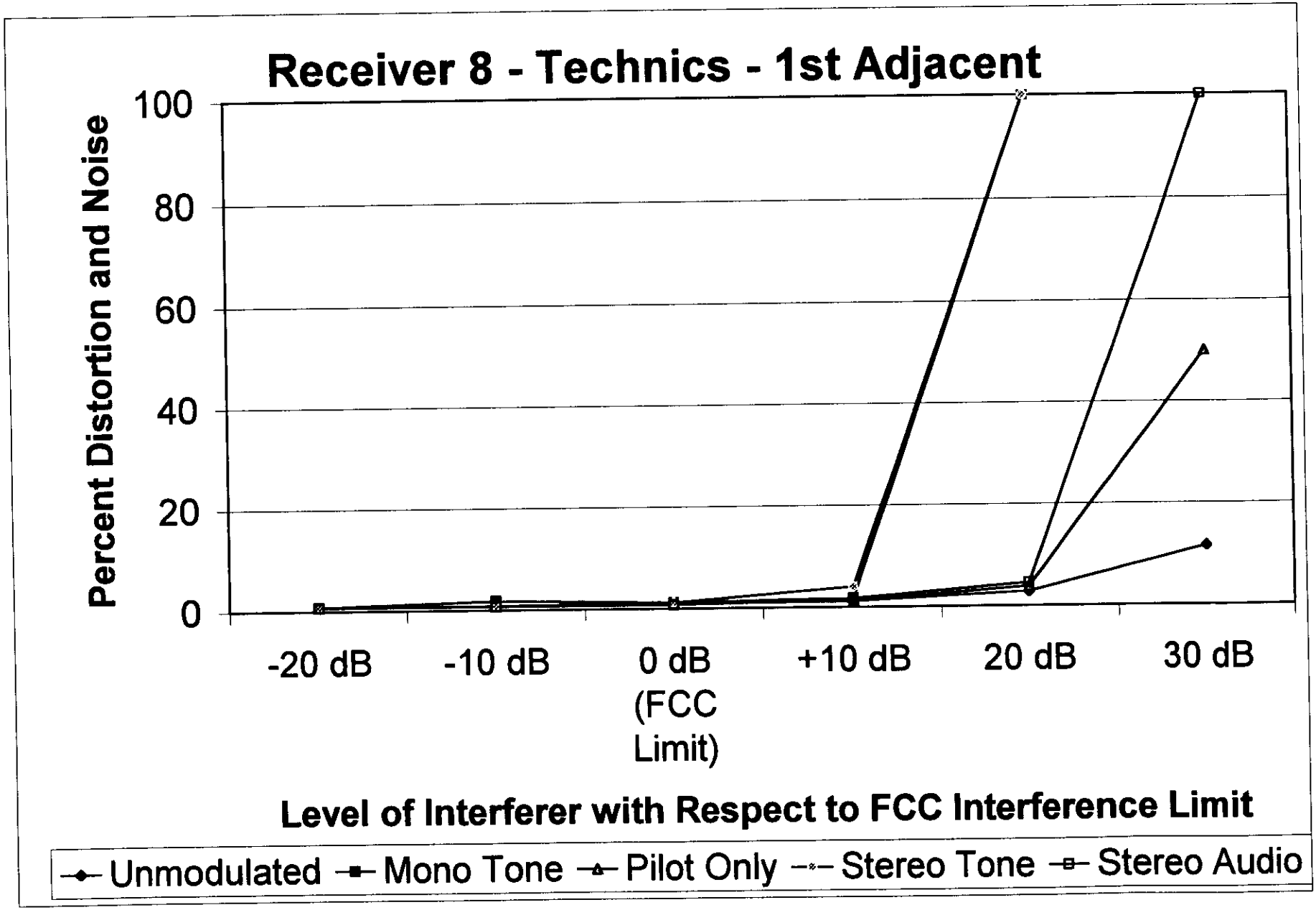

Receiver 4 - Denon - 1st Adjacent
Percent Distortion and Noise
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to FCC Interference Limit
Unmodulated
Mono Tone
Pilot Only
Stereo Tone
Stereo Audio


Receiver 4 - Denon - 2nd Adjacent
Percent Distortion and Noise
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 FCC Interference Limit
Unmodulated
Mono Tone
Pilot Only
Stereo Tone
Stereo Audio


Receiver 4 - Denon - 3rd Adjacent
Percent Distortion and Noise
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 FCC Interference Limit
Unmodulated
Mono Tone
Pilot Only
Stereo Tone
Stereo Audio


Receiver 4 - Denon - 4th Adjacent
Percent Distortion and Noise
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 FCC Interference Limit
Unmod
Mono Tone
Pilot Only
Stereo Tone
Stereo Audio


Receiver 8 - Technics - Co Channel
Percent Distortion and Noise
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 FCC Interference Limit
Unmodulated
Mono Tone
Pilot Only
Stereo Tone
Stereo Audio


Receiver 8 - Technics - 1st Adjacent
Percent Distortion and Noise
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 FCC Interference Limit
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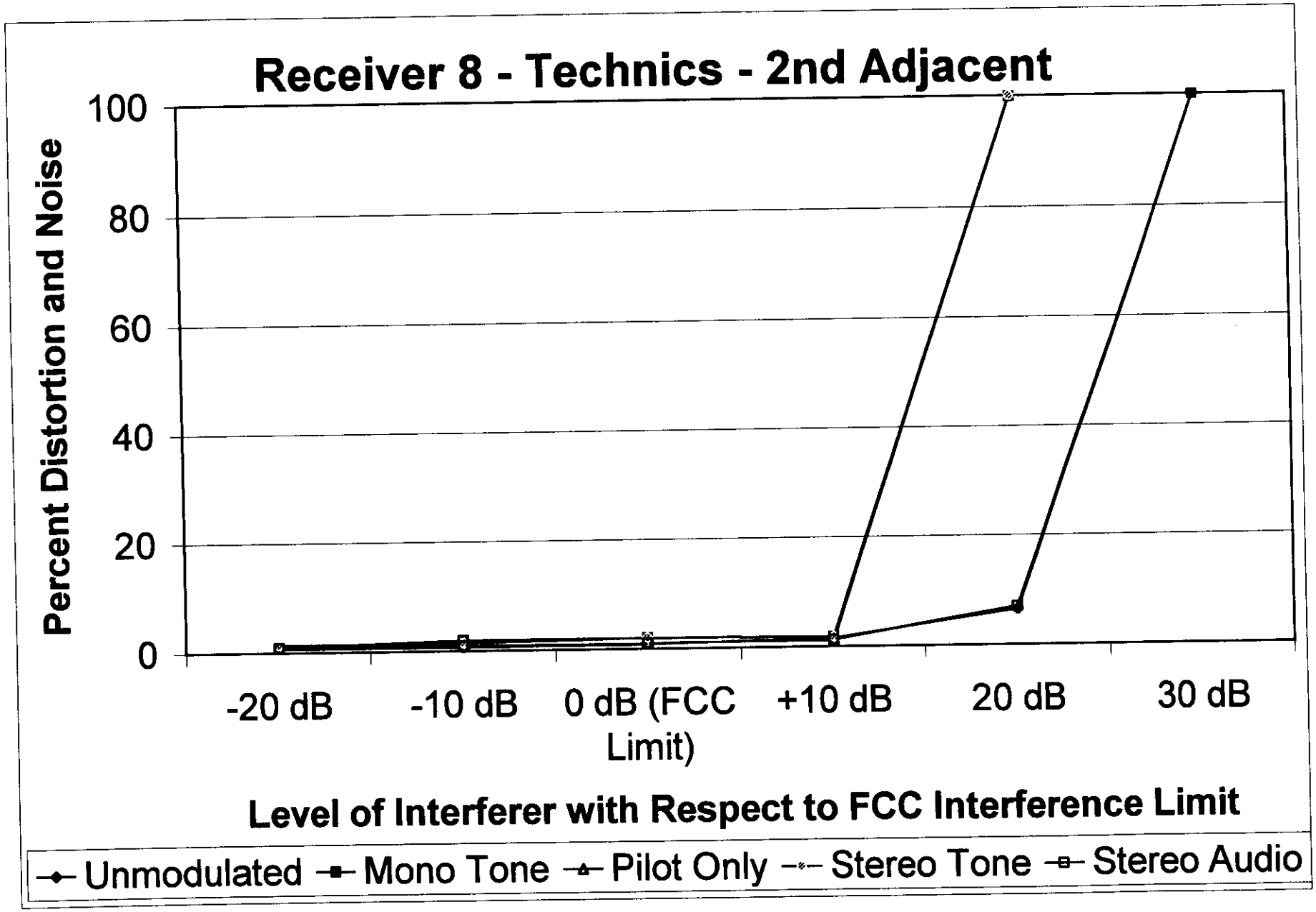
Receiver 8 - Technics - 2nd Adjacent
Percent Distortion and Noise
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to FCC Interference Limit
Unmodulated
Mono Tone
Pilot Only
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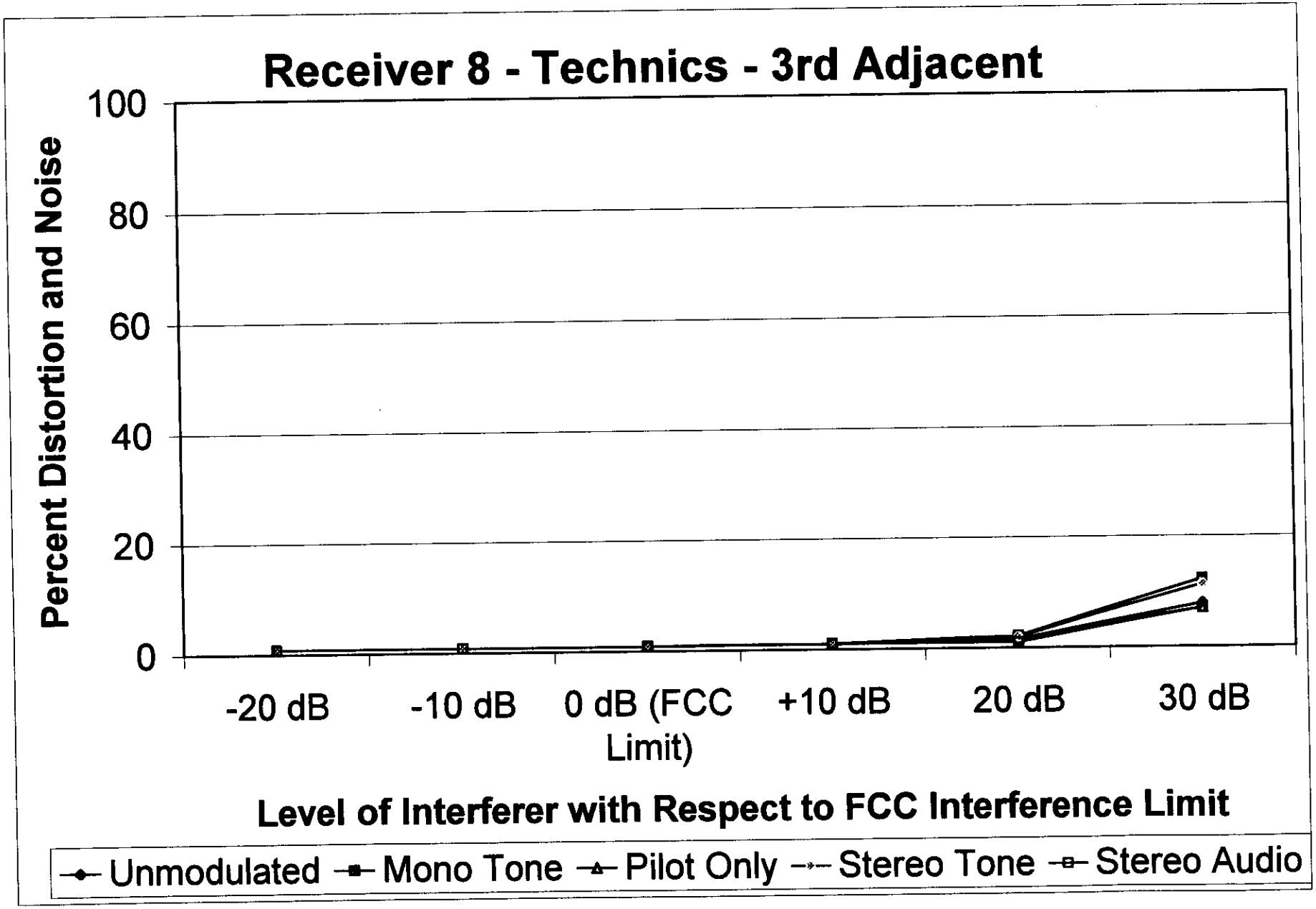
Stereo Audio


Receiver 8 - Technics - 3rd Adjacent
Percent Distortion and Noise
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 FCC Interference Limit
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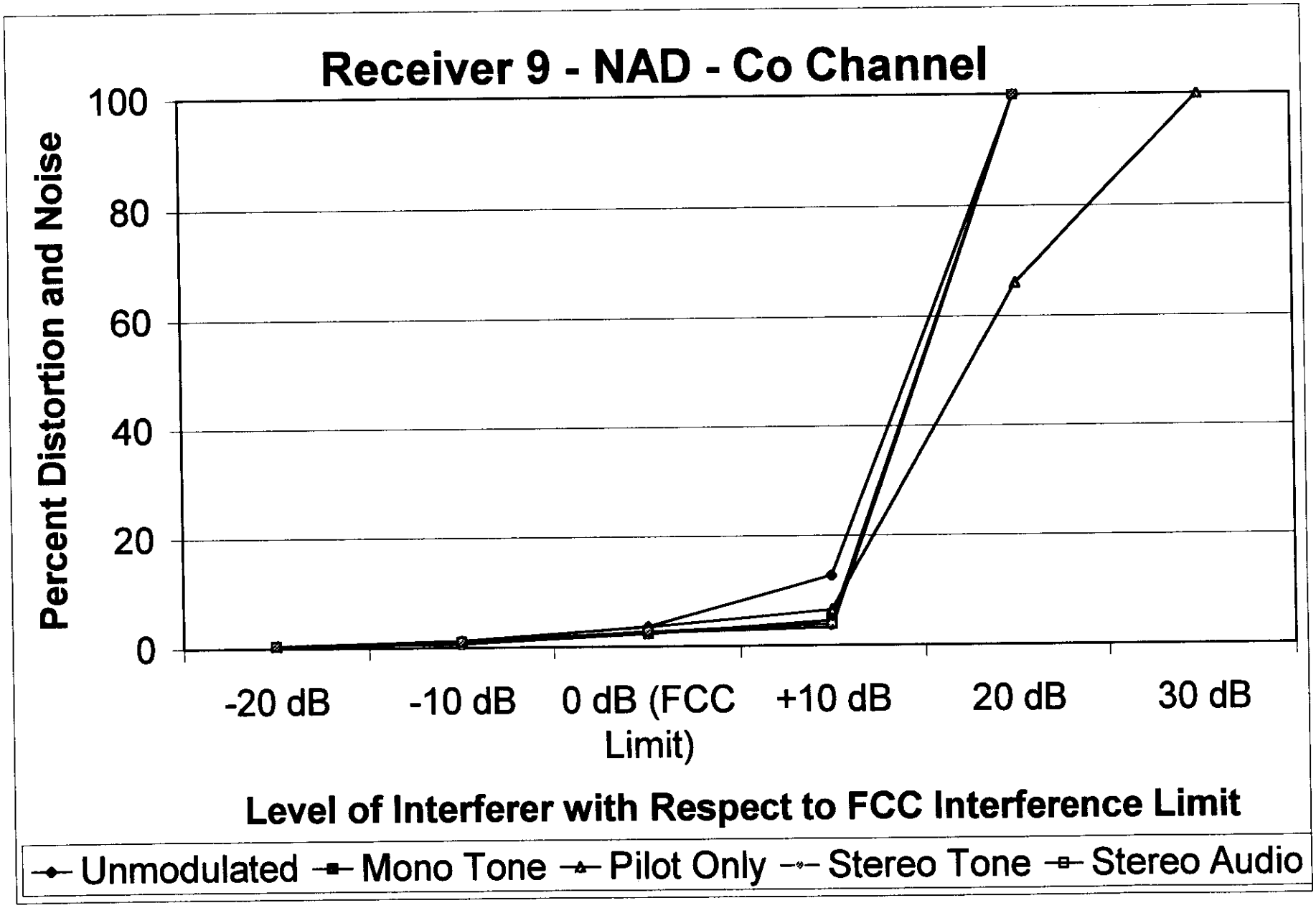
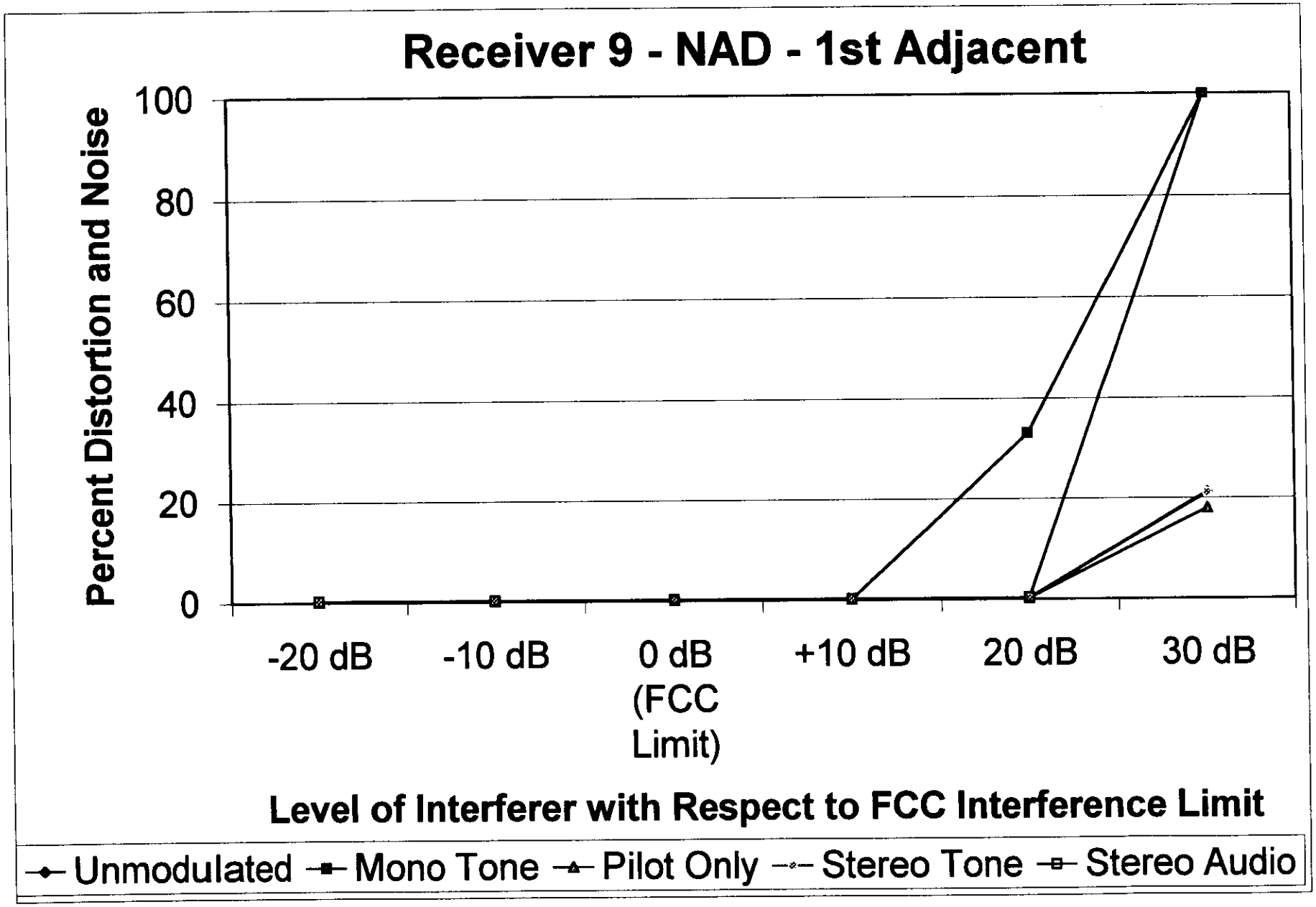
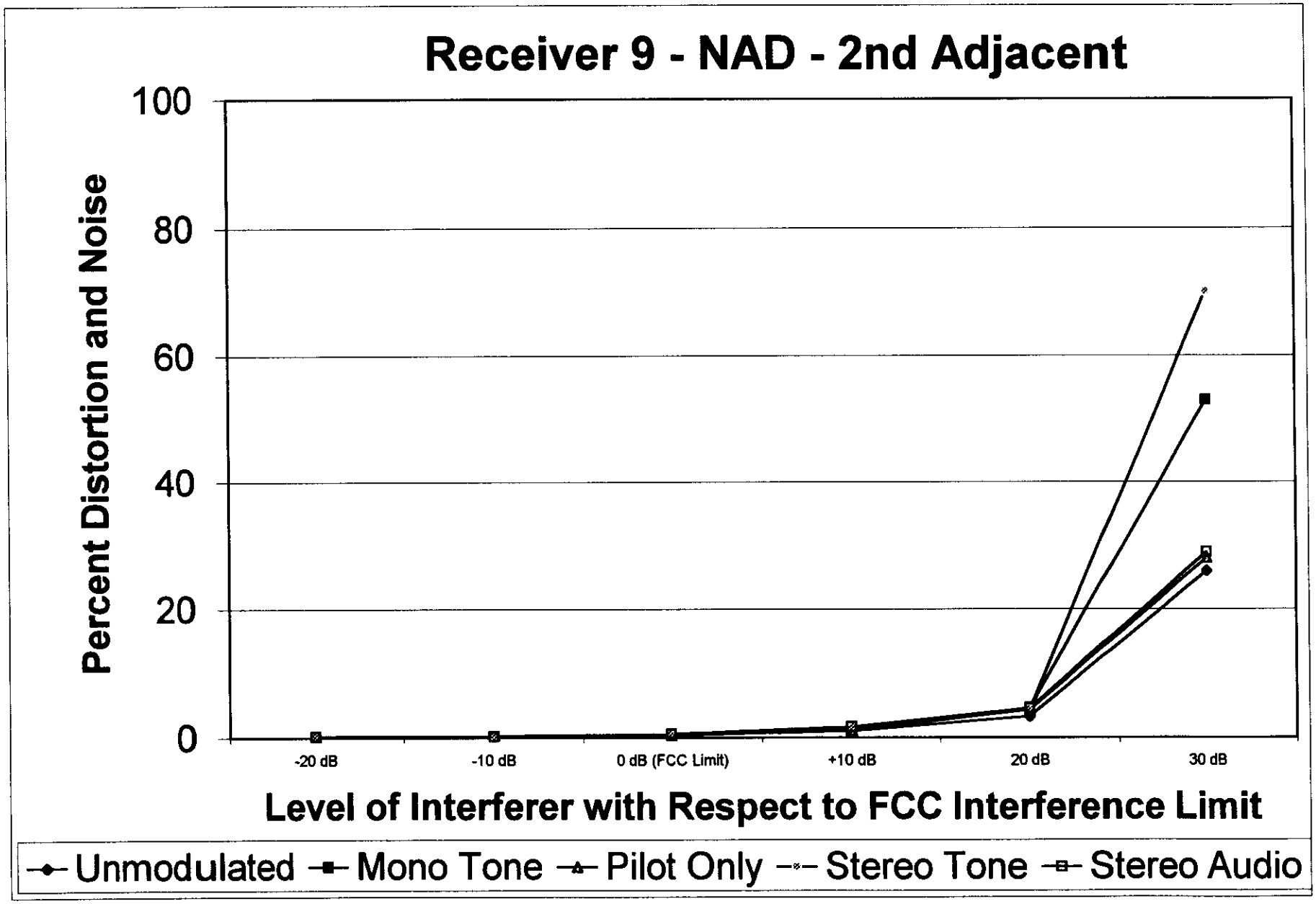

Receiver 9 - NAD - Co Channel
Percent Distortion and Noise
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
+10 dB
20 dB
30 dB
Level of Interferer with Respect to FCC Interference Limit
Unmodulated
Mono Tone
Pilot Only
Stereo Tone
Stereo Audio


Receiver 9 - NAD - 1st Adjacent
Percent Distortion and Noise
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 FCC Interference Limit
Unmodulated
Mono Tone
Pilot Only
Stereo Tone
Stereo Audio


Receiver 9 - NAD - 2nd Adjacent
Percent Distortion and Noise
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 FCC Interference Limit
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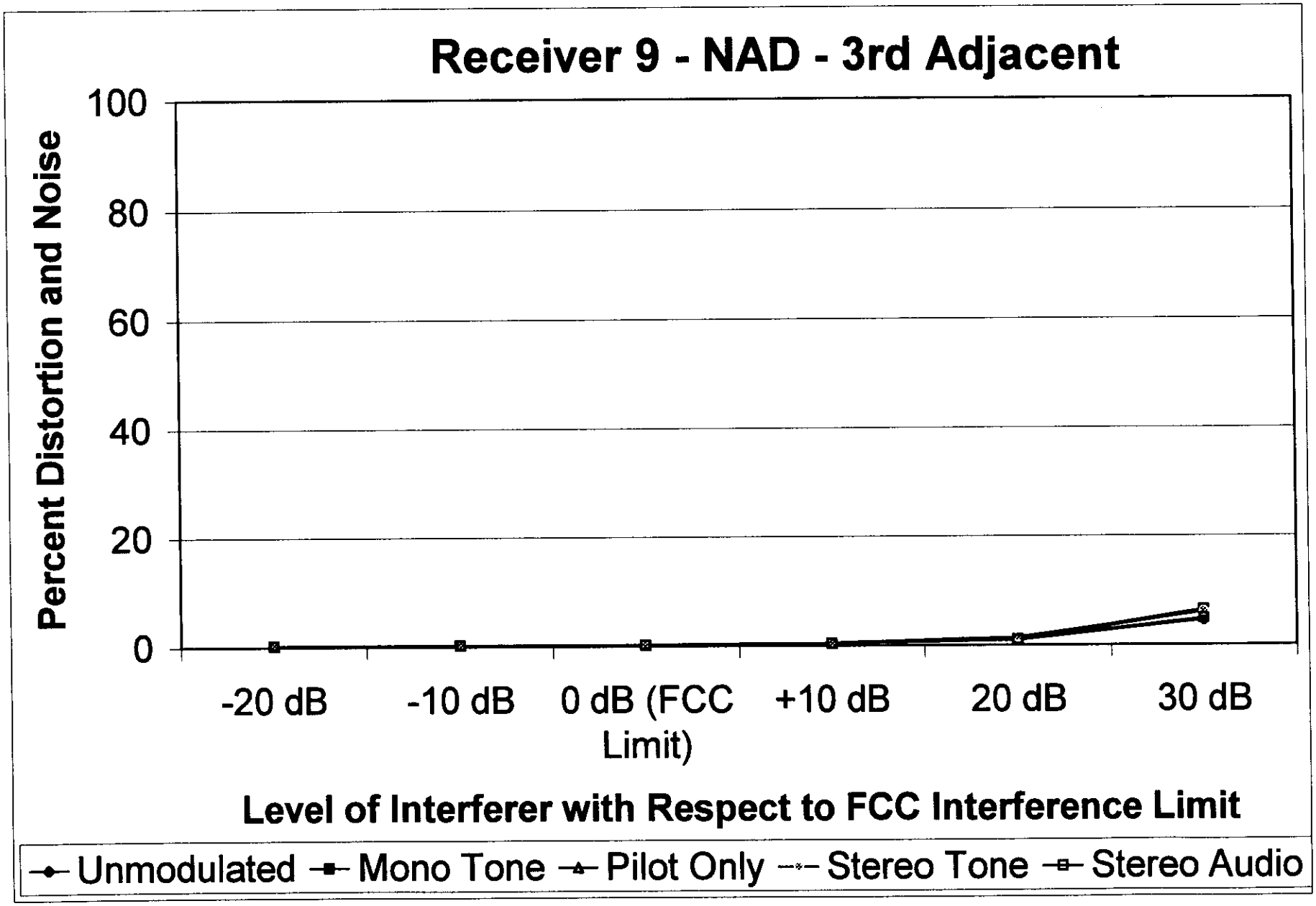
Receiver 9 - NAD - 3rd Adjacent
Percent Distortion and Noise
100
80
60
40
20
0
-20 dB
-10 dB
0 dB (FCC Limit)
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20 dB
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