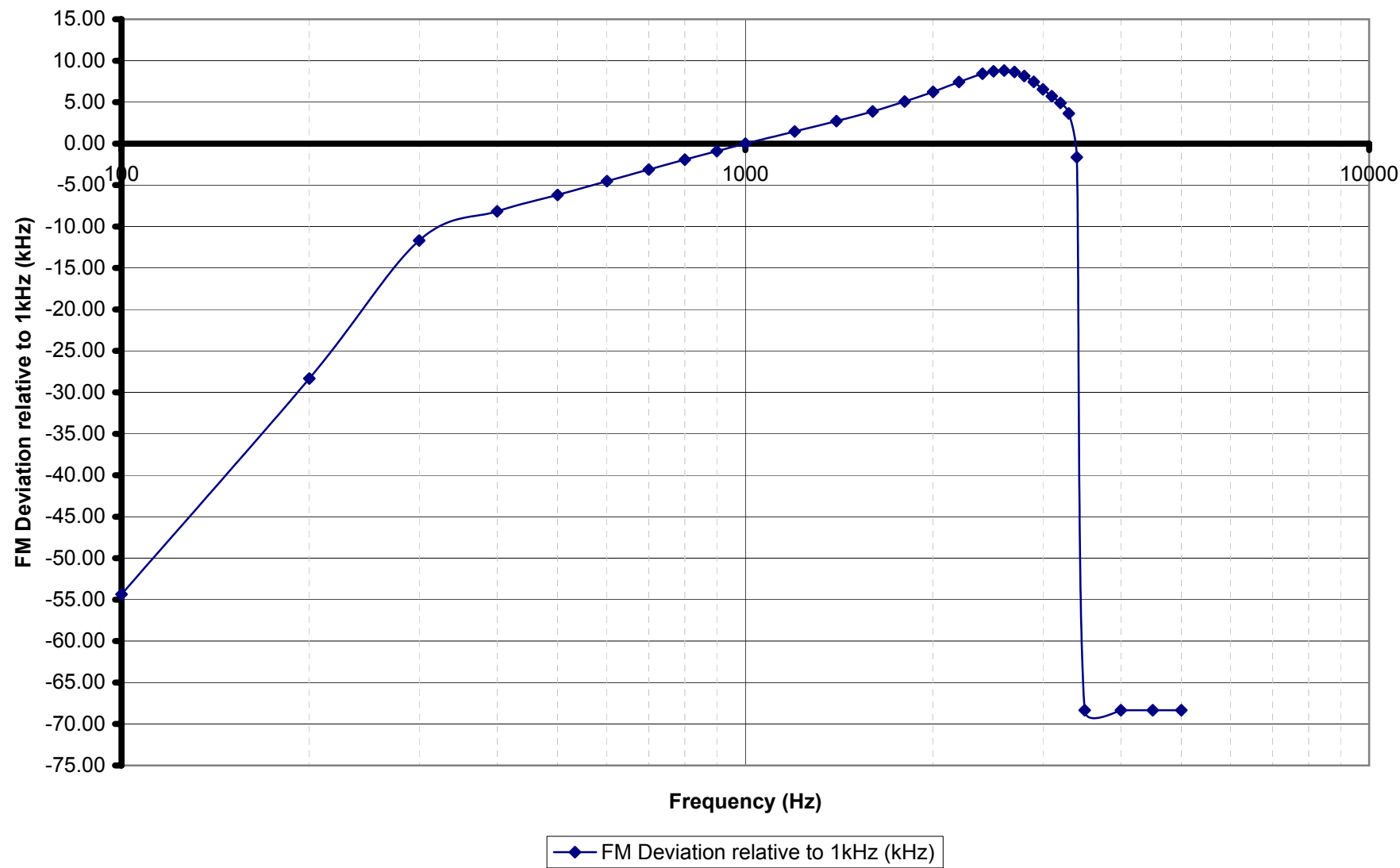


AL250 Voice Modulation Characteristics



AL250 Voice Modulation Characteristics

L. Yu

20-Aug-04

FCC part 2.1047(a)

Input Level at 6.1mV from 100-5000Hz

Noise level from unmodulated transmitter is 0.300 KHz (50Hz HPF, >99KHz LP)

Modulation Frequency (Hz)	FM Deviation including noise (kHz)	FM Deviation minus noise (kHz)	FM Deviation relative to 1kHz (kHz)
100	0.305	0.005	-54.35
200	0.4	0.100	-28.33
300	0.980	0.680	-11.68
400	1.320	1.020	-8.16
500	1.580	1.280	-6.19
600	1.850	1.550	-4.53
700	2.120	1.820	-3.13
800	2.390	2.090	-1.93
900	2.650	2.350	-0.91
1000	2.910	2.610	0.00
1200	3.390	3.090	1.47
1400	3.870	3.570	2.72
1600	4.380	4.080	3.88
1800	4.980	4.680	5.07
2000	5.650	5.350	6.23
2200	6.440	6.140	7.43
2400	7.190	6.890	8.43
2500	7.430	7.130	8.73
2600	7.500	7.200	8.81
2700	7.360	7.060	8.64
2800	6.980	6.680	8.16
2900	6.450	6.150	7.44
3000	5.850	5.550	6.55
3100	5.340	5.040	5.72
3200	4.890	4.590	4.90
3300	4.270	3.970	3.64
3400	2.460	2.160	-1.64
3500	0.301	0.001	-68.33
4000	0.301	0.001	-68.33
4500	0.301	0.001	-68.33
5000	0.301	0.001	-68.33