Audio Frequency Response per 2.987(a)

Constant Input Level of -20 dBm

Frequency	Deviation
Hz	kHz
100	0.30
200	0.48
300	1.25
400	1.60
500	2.06
600	2.30
700	2.35
800	2.25
900	2.11
1000	2.00
1500	1.49
2000	1.25
2500	1.06
3000	0.91
4000	0.68
5000	0.5

Modulation Limiting per 2.987(b)

Deviation with internal call button depressed: Maximum 1.0 kHz

Input Level	)eviation @ 300 Hz Inpu	eviation @ 700 Hz Inpu	eviation @ 1000 Hz Inp
dBm	kHz	kHz	kHz
-40	0.27	0.80	1.12
-30	0.53	2.10	2.14
-20	1.25	2.35	2.00
-10	1.28	2.25	1.93
-9	1.31	2.25	1.94
-8	1.32	2.24	1.94
-7	1.32	2.24	1.95
-6	1.32	2.26	1.95
-5	1.35	2.25	1.93
-4	1.35	2.23	1.92

-3	1.35	2.24	1.92
-2	1.40	2.22	1.92
-1	1.41	2.23	1.92
0	1.45	2.22	1.91

Necessary Bandwidth Calculation:

Bn=2M+2D where M = 3 kHz and D = 2.35

Bn = 2(3000) + 2 (2350) = 10700 Hz

eviation @ 2500 Hz Input
kHz
1.03
1.07
1.05
1.03
1.02
1.01
1.01
1.01
1.00
1.00

1.00
0.99
0.99
0.99