

Serial No.: FM25/00086

Transmit Freq: 98.0 MHz

Monophonic Test Results

Amplitude-Frequency Response (Pre-emp On) at 25% Deviation

Frequency (Hz)	Specification (dBm)	Result
50	-0.5 - +0.5	0.00
100	-0.5 - +0.5	0.01
400	-0.4 - +0.6	0.15
1000	+0.4 - +1.4	0.89
2500	+3.4 - +4.4	3.86
5000	+7.7 - +8.7	8.26
7500	+10.8 - +11.8	11.36
10000	+13.2 - +14.2	13.72
12500	+15.1 - +16.1	15.61
15000	+16.6 - +17.6	17.17

Amplitude Frequency Response (Pre-emp On) at 50% Deviation

Frequency (Hz)	Specification (dBm)	Result
50	-0.5 - +0.5	0.00
100	-0.5 - +0.5	0.01
400	-0.4 - +0.6	0.15
1000	+0.4 - +1.4	0.89
2500	+3.4 - +4.4	3.87
5000	+7.7 - +8.7	8.25
7500	+10.8 - +11.8	11.37
10000	+13.2 - +14.2	13.69
12500	+15.1 - +16.1	15.61
15000	+16.6 - +17.6	17.62

Amplitude-Frequency Response (Pre-emp On) at 100% Deviation

Frequency (Hz)	Specification (dBm)	Result
50	-0.5 - +0.5	0.00
100	-0.5 - +0.5	0.01
400	-0.4 - +0.6	0.15
1000	+0.4 - +1.4	0.90
2500	+3.4 - +4.4	3.87
5000	+7.7 - +8.7	8.29
7500	+10.8 - +11.8	11.45
10000	+13.2 - +14.2	13.82
12500	+15.1 - +16.1	15.73
15000	+16.6 - +17.6	17.35

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Monophonic Test Results

Amplitude-Frequency Response (Pre-emp Off) at 25% Deviation

Frequency (Hz)	Specification (dBm)	Result
50	± 0.5 dB	0.01
100	± 0.5 dB	-0.01
400	± 0.5 dB	0dB Ref
1000	± 0.5 dB	-0.01
2500	± 0.5 dB	-0.03
5000	± 0.5 dB	-0.05
7500	± 0.5 dB	0.01
10000	± 0.5 dB	0.08
12500	± 0.5 dB	0.09
15000	± 0.5 dB	-0.03

Amplitude-Frequency Response (Pre-emp Off) at 50% Deviation

Frequency (Hz)	Specification (dBm)	Result
50	± 0.5 dB	0.00
100	± 0.5 dB	0.00
400	± 0.5 dB	0dB Ref
1000	± 0.5 dB	-0.02
2500	± 0.5 dB	-0.04
5000	± 0.5 dB	-0.06
7500	± 0.5 dB	0.00
10000	± 0.5 dB	0.07
12500	± 0.5 dB	0.07
15000	± 0.5 dB	-0.06

Amplitude-Frequency Response (Pre-emp Off) at 100% Deviation

Frequency (Hz)	Specification (dBm)	Result
50	± 0.5 dB	0.01
100	± 0.5 dB	0.00
400	± 0.5 dB	0dB Ref
1000	± 0.5 dB	-0.01
2500	± 0.5 dB	-0.02
5000	± 0.5 dB	-0.05
7500	± 0.5 dB	0.01
10000	± 0.5 dB	0.08
12500	± 0.5 dB	0.09
15000	± 0.5 dB	-0.03

P9CFM-25

TEST REPORT FOR FM TRANSMITTER

AUDIO MEASUREMENTS

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Monophonic Test Results

Harmonic Distortion at 100% Deviation

Frequency (Hz)	Specification (%)	Result
50	0.5	0.073
100	0.5	0.072
400	0.5	0.073
1000	0.5	0.071
2500	0.5	0.137
5000	0.5	0.154
7500	0.5	0.258
10000	0.5	0.217
12500	0.5	0.186
15000	0.5	0.166

Harmonic Distortion at 133% Deviation

Frequency (Hz)	Specification (%)	Result
50	0.5	0.082
100	0.5	0.081
400	0.5	0.080
1000	0.5	0.080
2500	0.5	0.138
5000	0.5	0.165
7500	0.5	0.33
10000	0.5	0.267
12500	0.5	0.219
15000	0.5	0.187