

P9CFM-25
TEST REPORT FOR FM TRANSMITTER

AUDIO MEASUREMENTS

Serial No.: FM25/00086
Transmit Freq: 98.0 MHz

	Specification	Result	
1 RF Output Impedance	50 Ohm	✓	
2 Power Output	25 Watt	✓	
3 RF Harmonic and Spurious Suppression	<-70dB	✓	
4 Frequency Range	88-108 MHz	✓	
5 Frequency Stability	± 300Hz	✓	
6 Modulation Type	Direct FM	✓	
7 Modulation Capability	± 300kHz	✓	
8 Modulation Indication	LED VU	✓	
9 Asynchronous AM Noise	<-55dB	-59dB	
10 Synchronous AM Noise	<-50dB	-55dB	
11 AC Input Power	110Vac/60Hz	✓	
12 Ambient Temperature	-10 to +45 ° C	✓	
13 Operating Frequency	MHz	98.00054 MHz	
13.1 Wideband Composite	1 Unbalance	✓	
13.2 Input Impedance	>10k Ohm	✓	
13.3 Input Level	3.5V p-p for ±75kHz@400Hz	75kHz	
13.4 FM S/N Ratio (±75kHz@400Hz)	<-75dB 100kHz lopass	-84dB	
13.5 Audio Frequency Response			
30Hz	±0.3dB	0.02dB	
15kHz	±0.3dB	-0.04dB	
53kHz	±0.3dB	-0.05dB	
100kHz	±0.3dB	-0.01dB	
14 Auxiliary Inputs			
14.1 Input Impedance	>10k Ohm	Input 1	Input 2
14.2 Input Level	3.5V p-p for ± 7.5kHz@40kHz	7.5kHz	7.5kHz
14.3 Audio Frequency Response			
Frequency			
40kHz	±0.3dB	0dB	0dB
67kHz	±0.3dB	-0.02dB	-0.02dB
100kHz	±0.3dB	0.01dB	0.01dB