

P9CFM-100
TEST REPORT FOR FM TRANSMITTER

AUDIO MEASUREMENTS

Serial No.: FM100/00040
Transmit Freq: 98.0 MHz

	Specification	Result		
1 RF Output Impedance	50 Ohm	✓		
2 Power Output	100 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	-68dB		
10 Synchronous AM Noise	<-50dB	-62dB		
11 AC Input Power	110Vac/60Hz	✓		
12 Ambient Temperature	-10 to +45 ° C	✓		
13 Operating Frequency	MHz	97.9996MHz		
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	-82dB		
13.5 Audio Frequency Response				
30Hz	±0.3dB	0.03dB		
15kHz	±0.3dB	-0.03dB		
53kHz	±0.3dB	-0.09dB		
100kHz	±0.3dB	0.01dB		
14 Auxiliary Inputs			Input 1	Input 2
14.1 Input Impedance	>10k Ohm			
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	-0.03dB	-0.02dB	
100kHz	±0.3dB	0.01dB	0.02dB	