



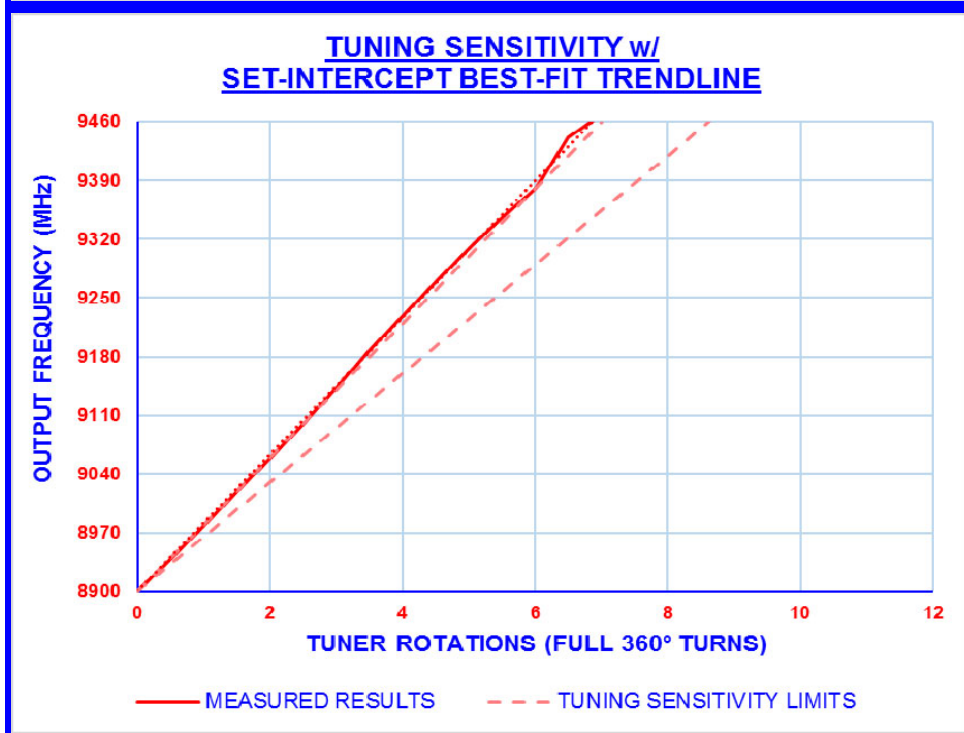
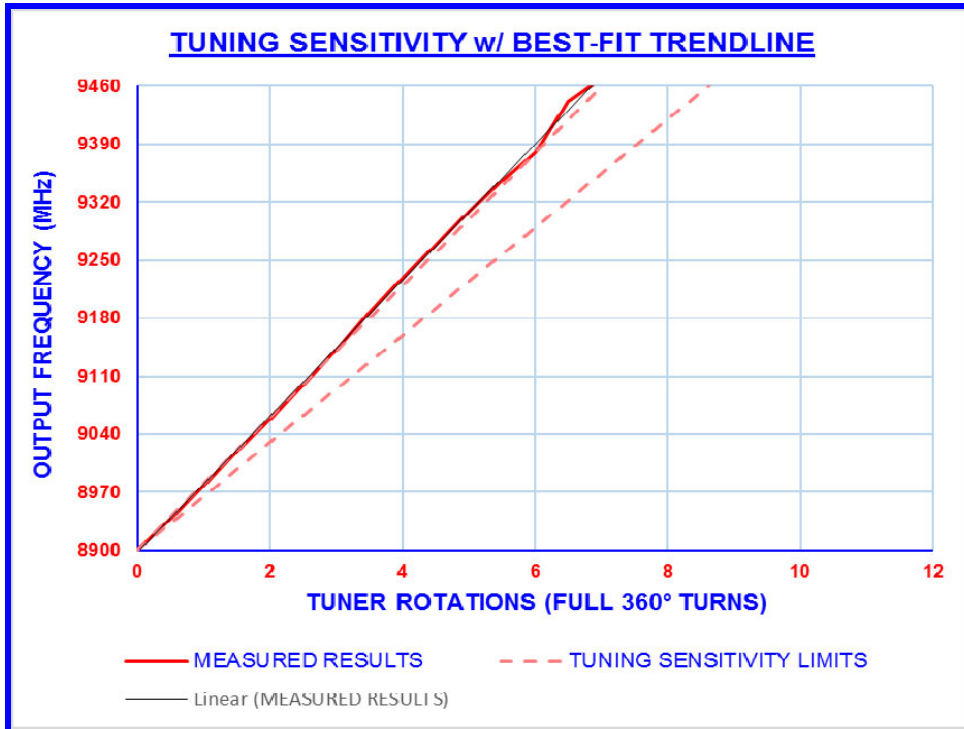
**SUMMARY TEST DATA
ON
PMTO-8R8G9R56G-CD-1**

Customer: _____	Tested By: <u>Garrett Radtke</u>
SO No: _____	Temperature: <u>+25°C</u>
Model No: <u>PMTO-8R8G9R56G-CD-1</u>	Date: <u>05/16/2019</u>
Serial No: <u>PL25587/1920</u>	Drawing No: <u>27631550</u> Rev: <u>A2</u>

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	8.8 to 9.56 GHz (Tuning) 8.9 to 9.46 GHz (Specifications)	8.8 TO 9.50 GHz (Tuning) 8.9 TO 9.46 GHz (Specifications)	
2	Tuning Sensitivity	65 MHz/360° MIN 80 MHz/360° MAX	82.3093 MHz/360° 91.529 MHz/360° (Set Intercept) See Graphs	
3	Output Frequency vs Tuner Rotation	±10 MHz (8.90 to 8.93 GHz) ±5 MHz (8.93 to 9.43 GHz) ±10 MHz (9.43 to 9.46 GHz)	+2.7 MHz (8.90 to 8.93 GHz) -9.9 MHz (8.93 to 9.43 GHz) +11.1 MHz (9.43 to 9.46 GHz) See Graphs	
4	Power Output (Any Frequency)	J1: +10 (+3, -0) dBm J2: 0 (+3, -0) dBm	10.27 to 10.93 dBm 1.4 to 2.73 dBm See Graphs	
5	Tuning Element	Starting Torque: 25 inch-oz MAX Withstanding Torque: 100 inch-oz MIN	PASS	
6	Spurious Harmonic Signals	60 dBc MIN (IN BAND) 45 dBc MIN (OUT OF BAND) 30 dBc MIN (HARMONICS)	> 67.36 dBc > 57.20 dBc > 46.53 dBc	
7	Noise	See Plots Below	PASS	
8	Temperature Coefficient	15 kHz/°C MAX from 0°C to +50°C	1 kHz/°C FROM 0 °C TO 40 °C 1500 kHz/°C FROM 40 °C TO 50 °C	
9	Long Term Frequency Drift	50 kHz/hr MAX @ any constant temperature from 0°C to +50°C	PASS	
10	Pulling Factor	<50 kHz	PASS	
11	Regulator/Oscillator Power Supply	+24±1 VDC @ 1.5 A MAX 2% Regulation, Ripple = 2 mVrms	+24±1 @ 0.172 A	
12	Heater Power Supply	+24±1 VDC @ 1.5 A MAX 2% Regulation, Ripple = 50 mVrms	+24±1 @ 1.16 A	
13	Weight	2.4 lbs MAX	3 lbs	

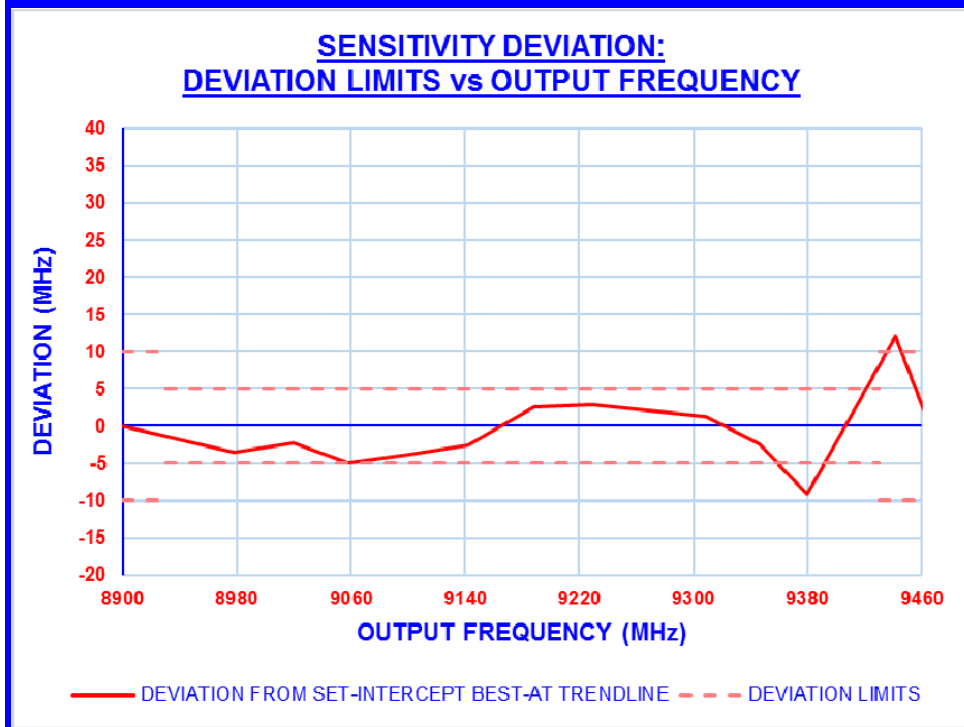
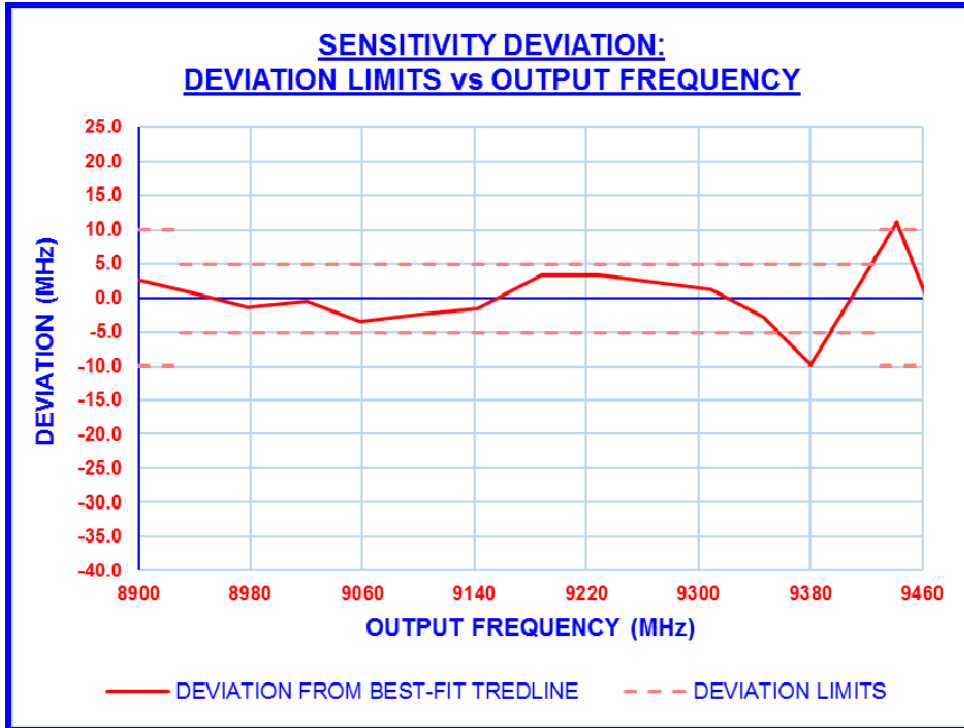


**SUMMARY TEST DATA
ON
PMT0-8R8G9R56G-CD-1**



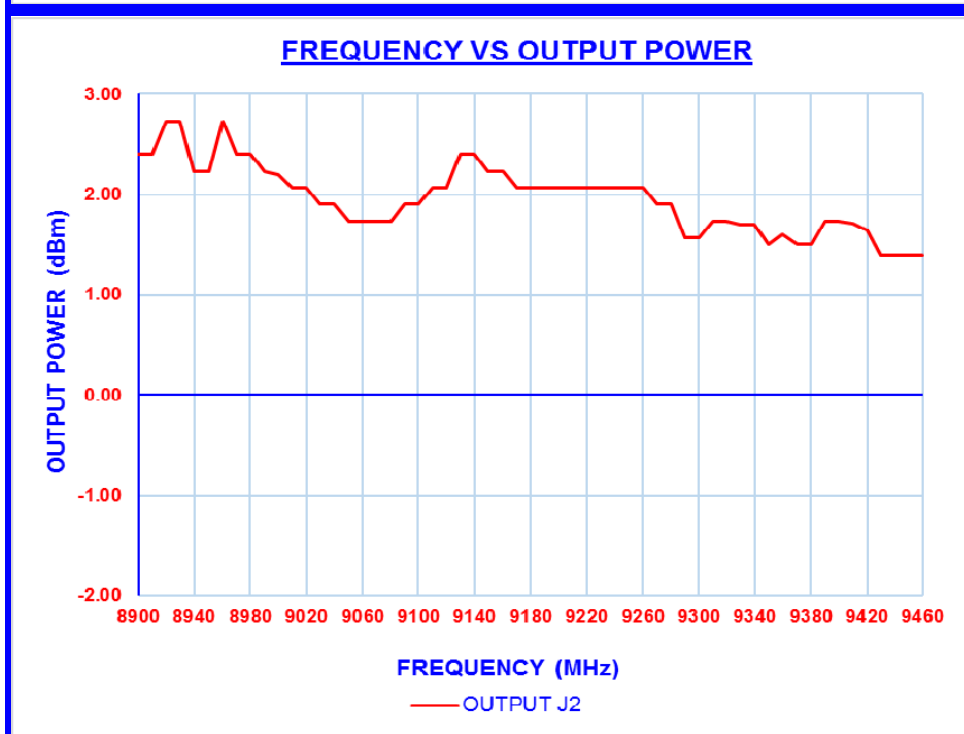
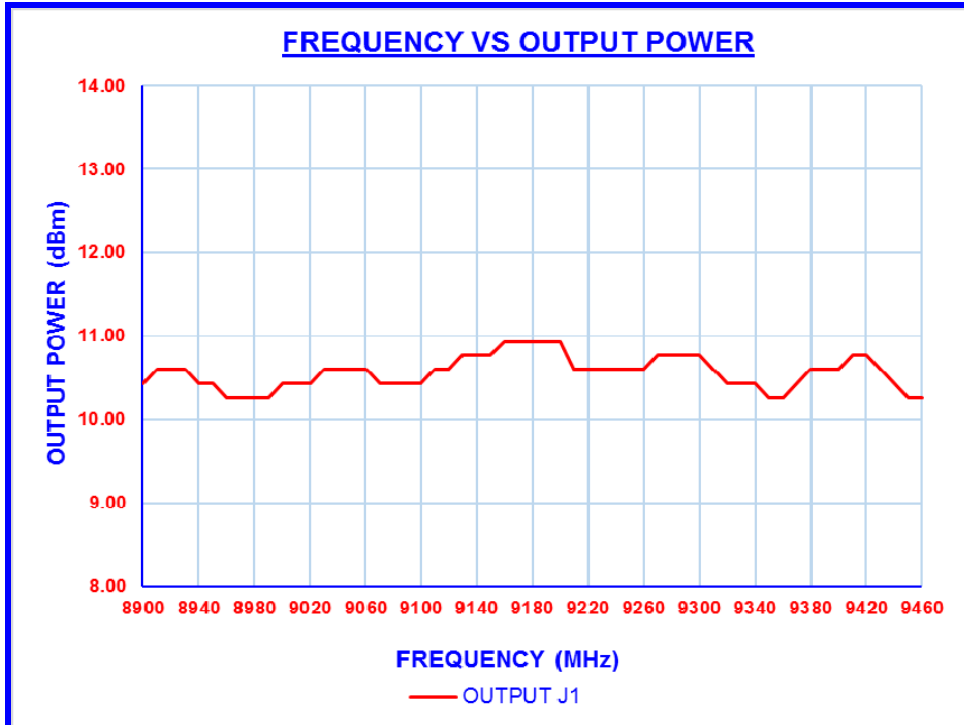


**SUMMARY TEST DATA
ON
PMT0-8R8G9R56G-CD-1**





**SUMMARY TEST DATA
ON
PMT0-8R8G9R56G-CD-1**



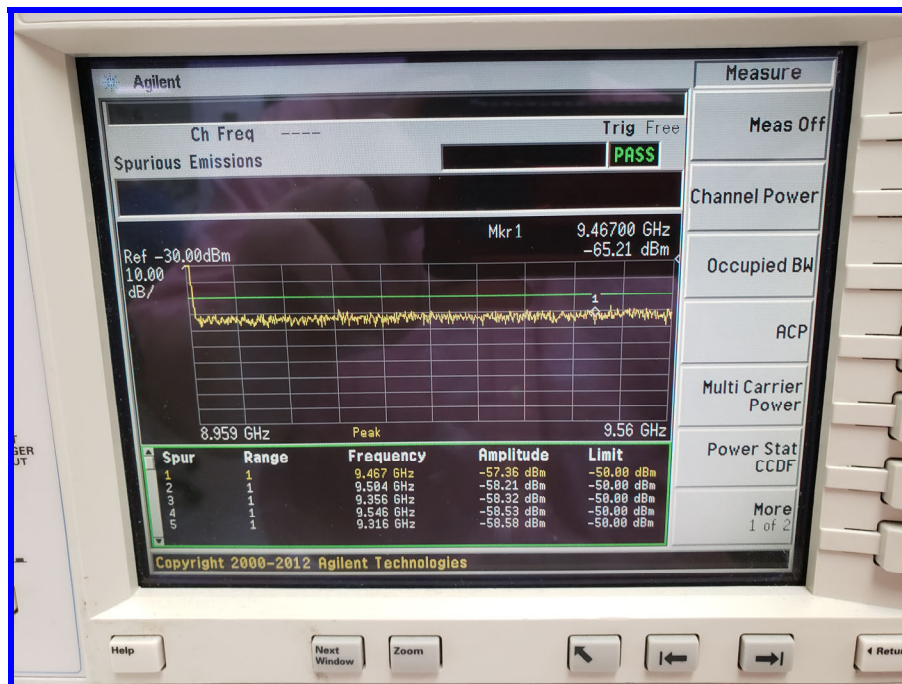


**SUMMARY TEST DATA
ON
PMT0-8R8G9R56G-CD-1**

LOWER IN BAND HARMONICS AND SPURIOUS SIGNALS @ 10 dB OUTPUT



UPPER IN BAND HARMONICS AND SPURIOUS SIGNALS @ 10 dB OUTPUT





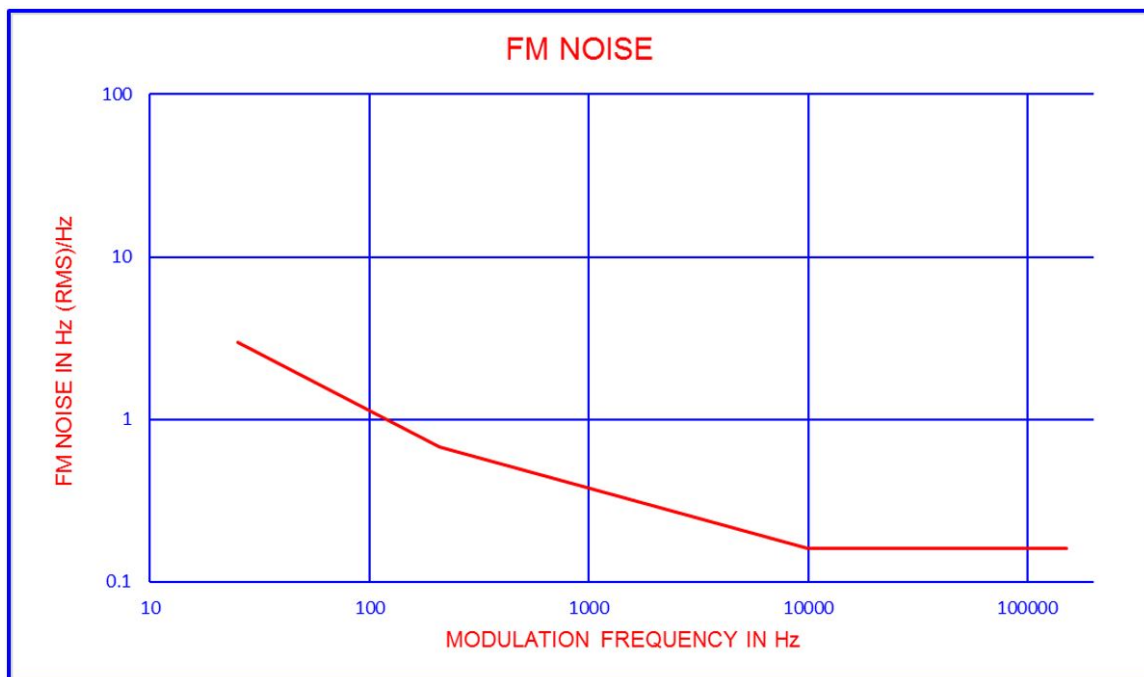
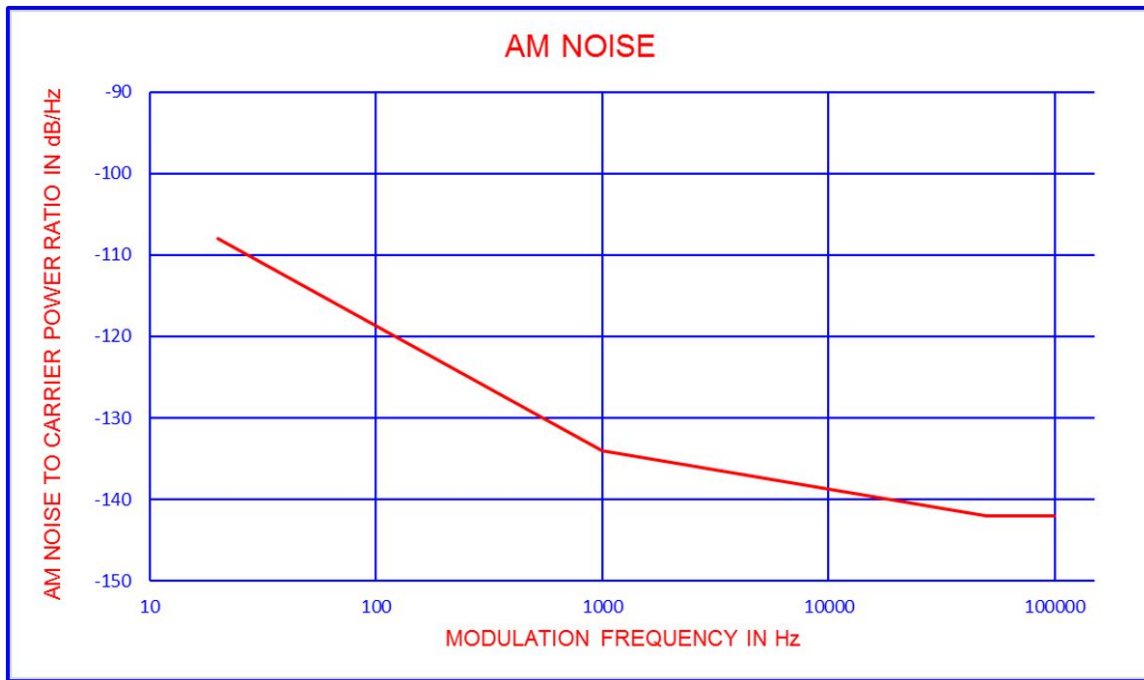
**SUMMARY TEST DATA
ON
PMT0-8R8G9R56G-CD-1**

HARMONIC PERFORMANCE





**SUMMARY TEST DATA
ON
PMT0-8R8G9R56G-CD-1**





**SUMMARY TEST DATA
ON
PMT0-8R8G9R56G-CD-1**

