



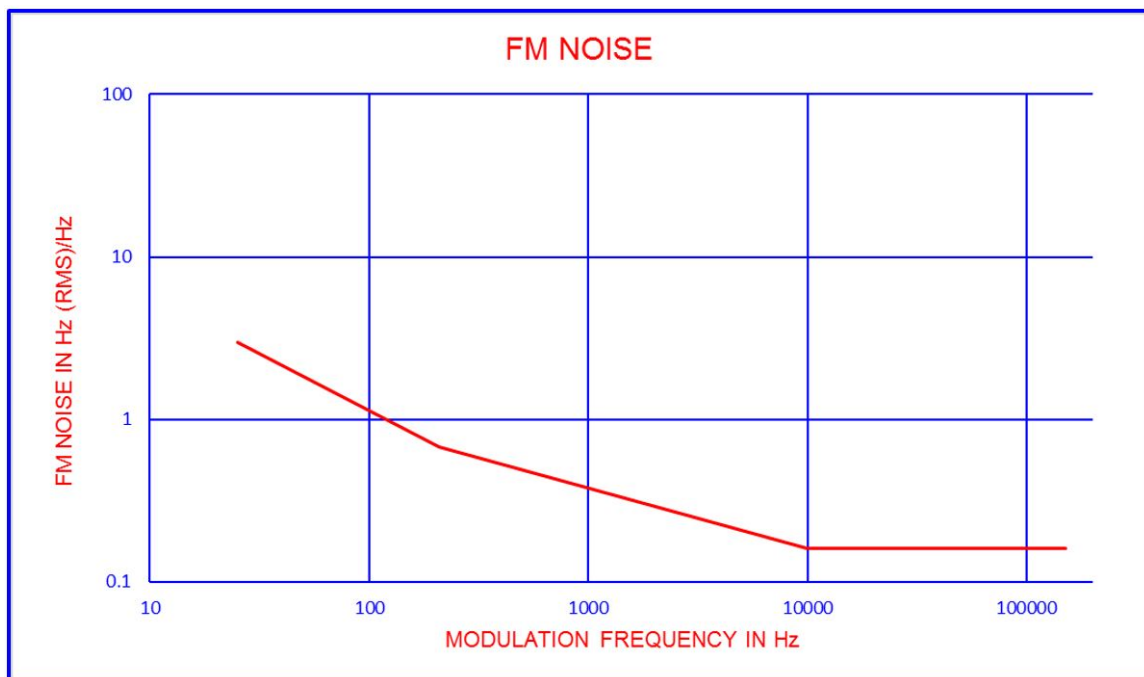
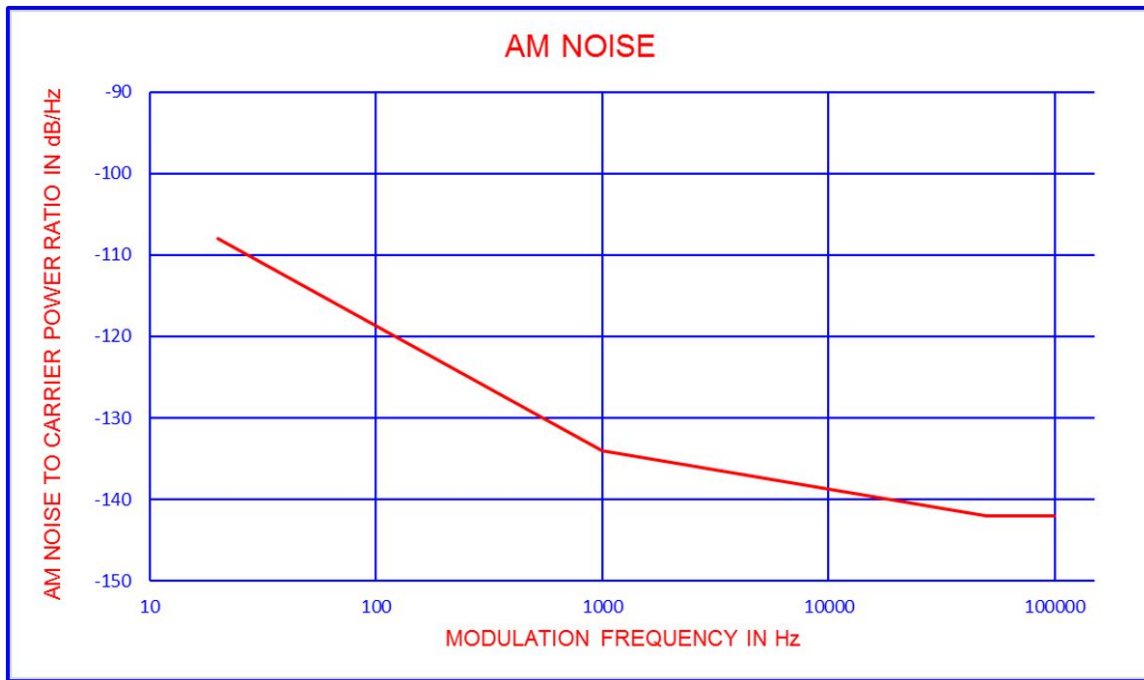
**SUMMARY TEST DATA
ON
PMTO-8R8G9R56G-CD-1**

Customer: _____	Tested By: <u>S.PALACIO / M.BERRY</u>
SO No: _____	Temperature: <u>+25°C / 0°C / +50°C</u>
Model No: <u>PMTO-8R8G9R56G-CD-1</u>	Date: <u>11/7/2017</u>
Serial No: <u>Unit 1</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)	8.77 to 9.54 GHz (Tuning) 8.9 to 9.46 GHz (Specifications) See Plots	
2	Tuning Sensitivity	65 MHz/360° MIN 80 MHz/360° MAX	100.65 MHz/360° 108.61 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)	-35 MHz (8.90 to 8.93 GHz) +21 MHz (8.93 to 9.43 GHz) ±5 MHz (9.43 to 9.46 GHz) See Graphs	
4	Power Output (Any Frequency)	J1: +10 (+3, -0) dBm J2: 0 (+3, -0) dBm	+8.01 to 10.99 dBm -2.32 to 2.21 dBm See Plots	
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)	> 80 dBc > 70 dBc 45.49 dBc	
7	Noise	See Plots Below	PASS BY DESIGN	
8	Temperature Coefficient	15 kHz/°C MAX from 0°C to +50°C	200 kHz/°C	
9	Long Term Frequency Drift	50 kHz/hr MAX @ any constant temperature from 0°C to +50°C	240 kHz/hr	
10	Pulling Factor	<50 kHz	14 dB Load < 50kHz	
11	Regulator/Oscillator Power Supply	+24±1 VDC @ 1.5 A MAX 2% Regulation, Ripple = 2 mVrms	+24±1 @ 150 mA	
12	Heater Power Supply	+24±1 VDC @ 1.5 A MAX 2% Regulation, Ripple = 50 mVrms	+24±1 @ 1.5 A	
13	Weight	2.4 lbs MAX	2.375 lbs	

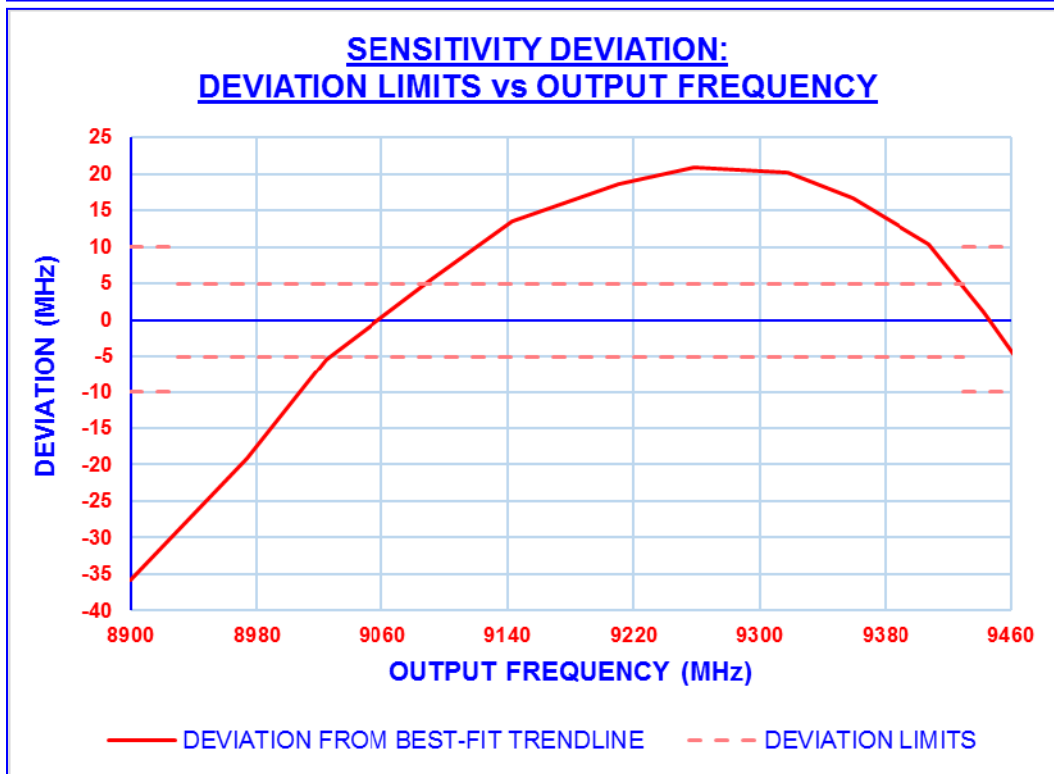
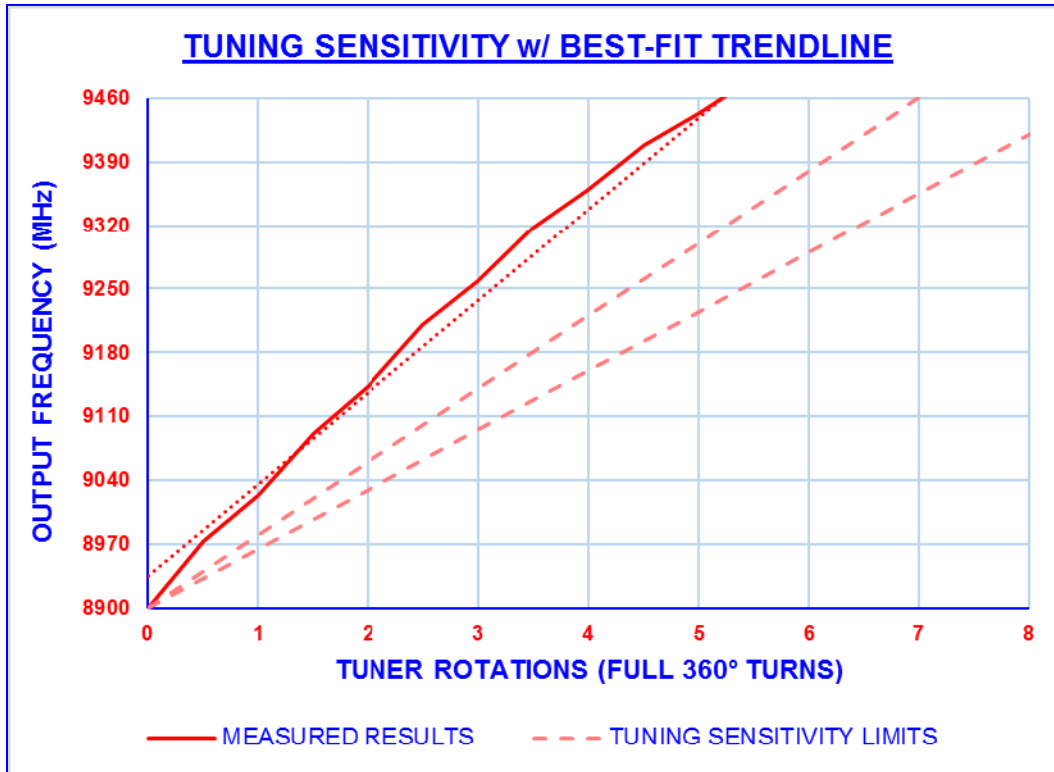


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ON
PMT0-8R8G9R56G-CD-1**



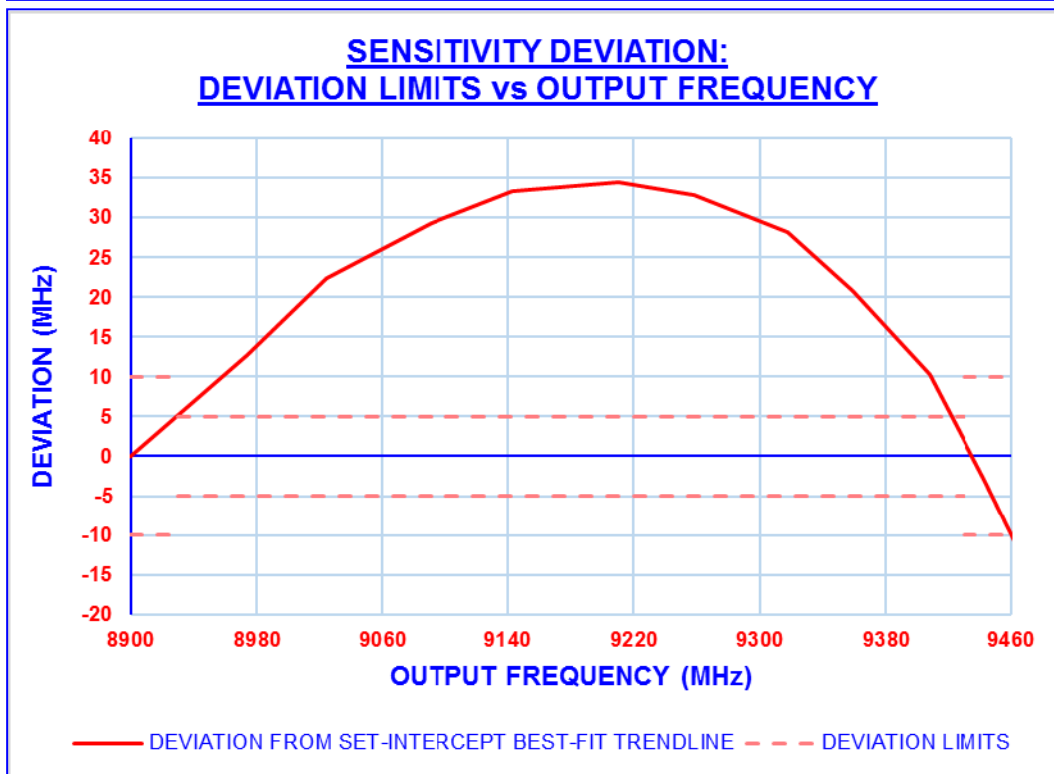
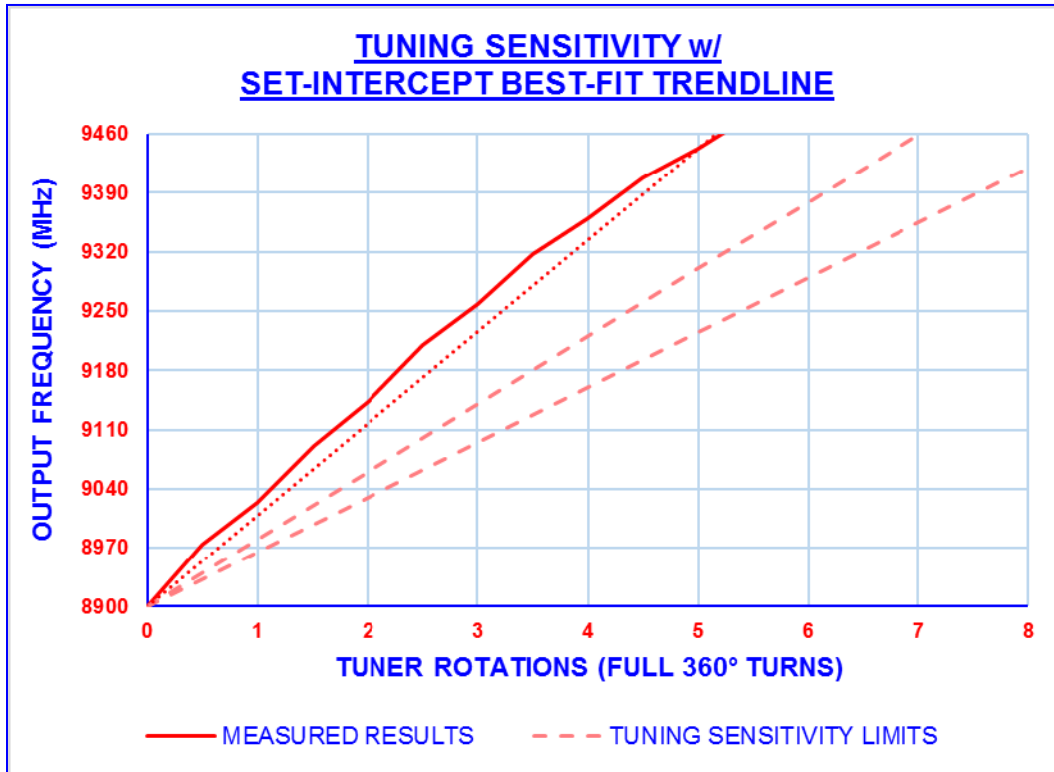


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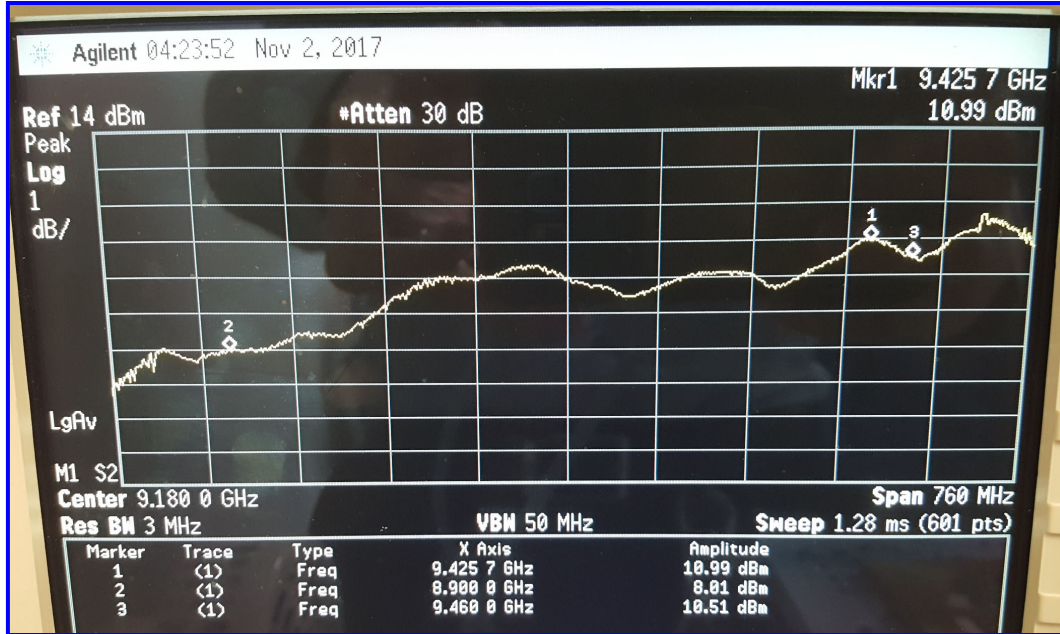
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ON
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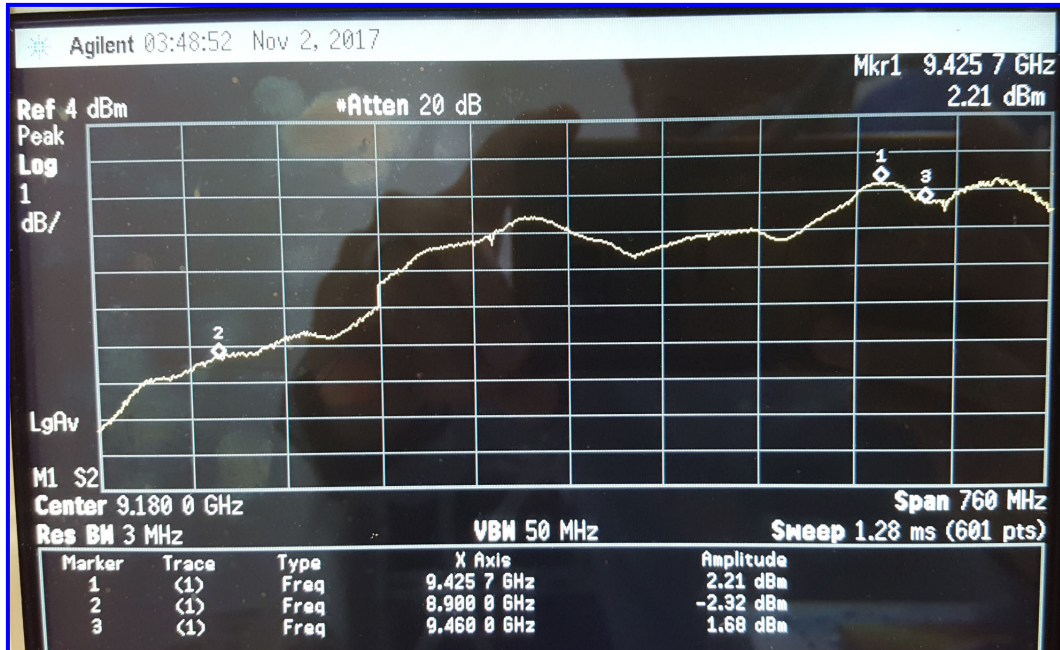


**SUMMARY TEST DATA
ON
PMT0-8R8G9R56G-CD-1**

PEAK HOLD SWEEP OF J1 (+10 dBm OUTPUT POWER)



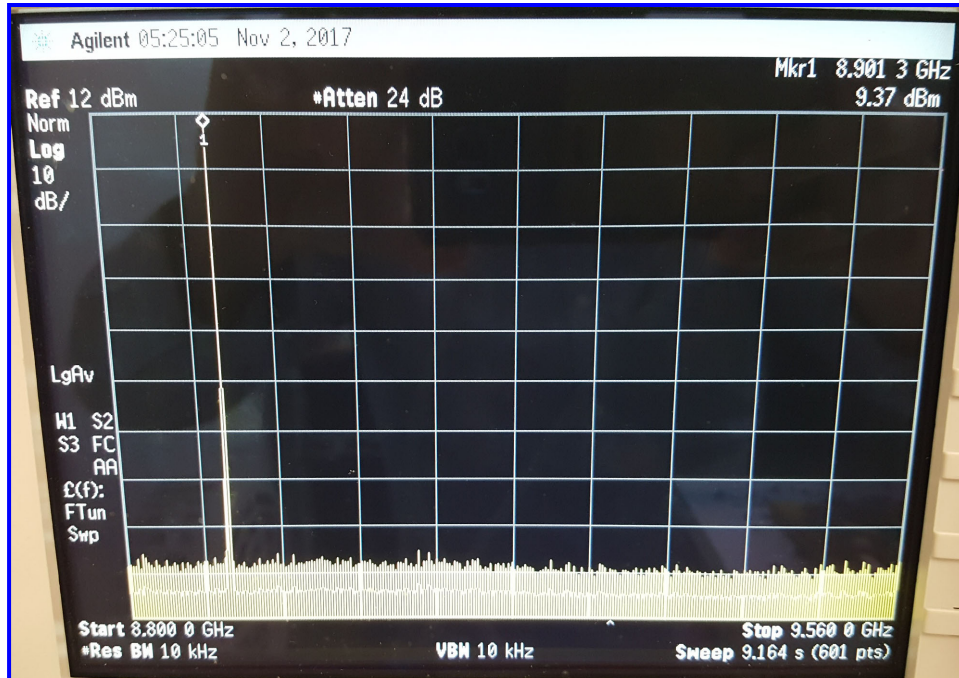
PEAK HOLD SWEEP OF J2 (+0 dBm OUTPUT POWER)



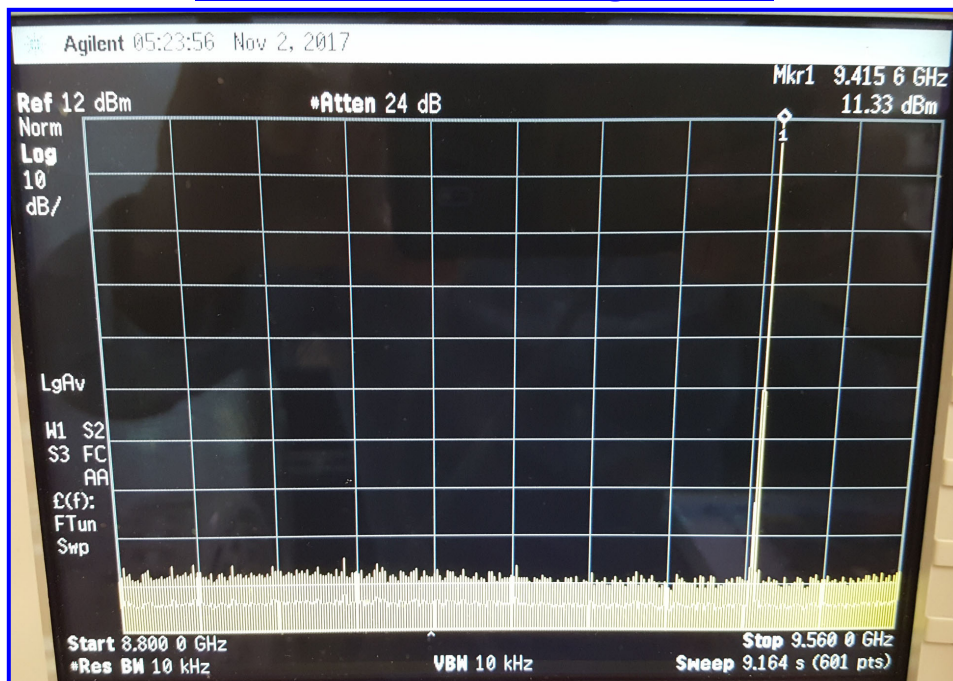


**SUMMARY TEST DATA
ON
PMT0-8R8G9R56G-CD-1**

IN-BAND PERFORMANCE @ 8.9 GHz



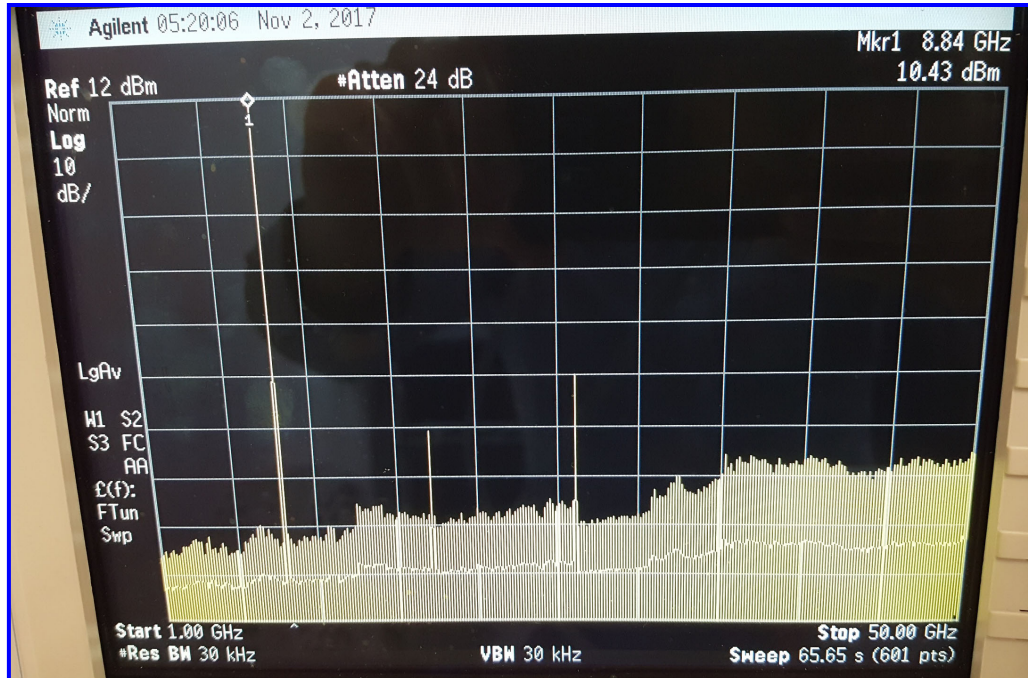
IN-BAND PERFORMANCE @ 9.46 GHz



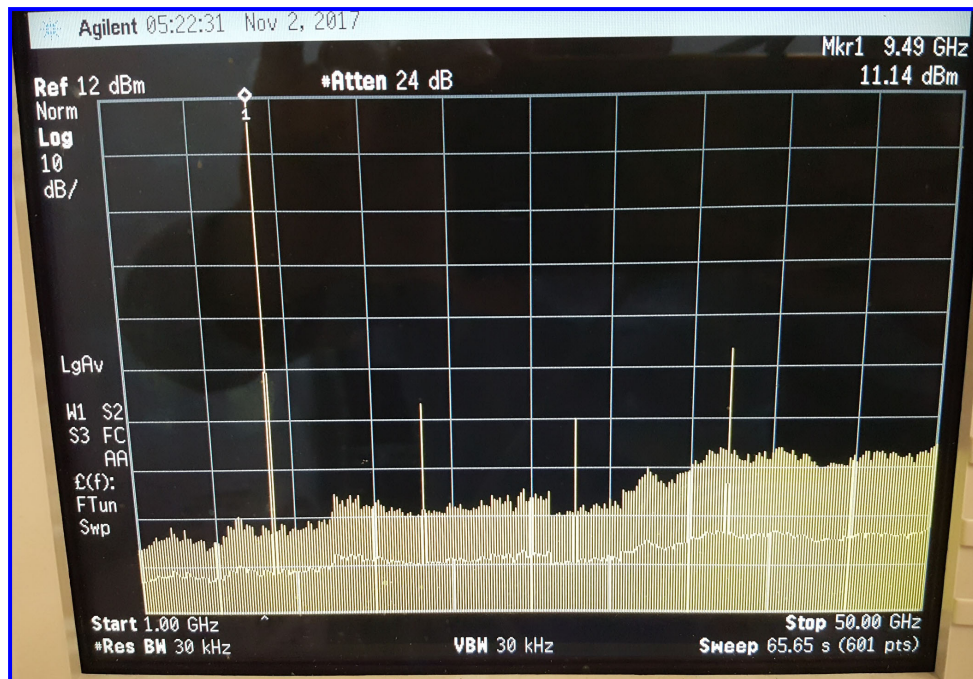


**SUMMARY TEST DATA
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PMT0-8R8G9R56G-CD-1**

OUT-OF-BAND PERFORMANCE @ 8.9 GHz



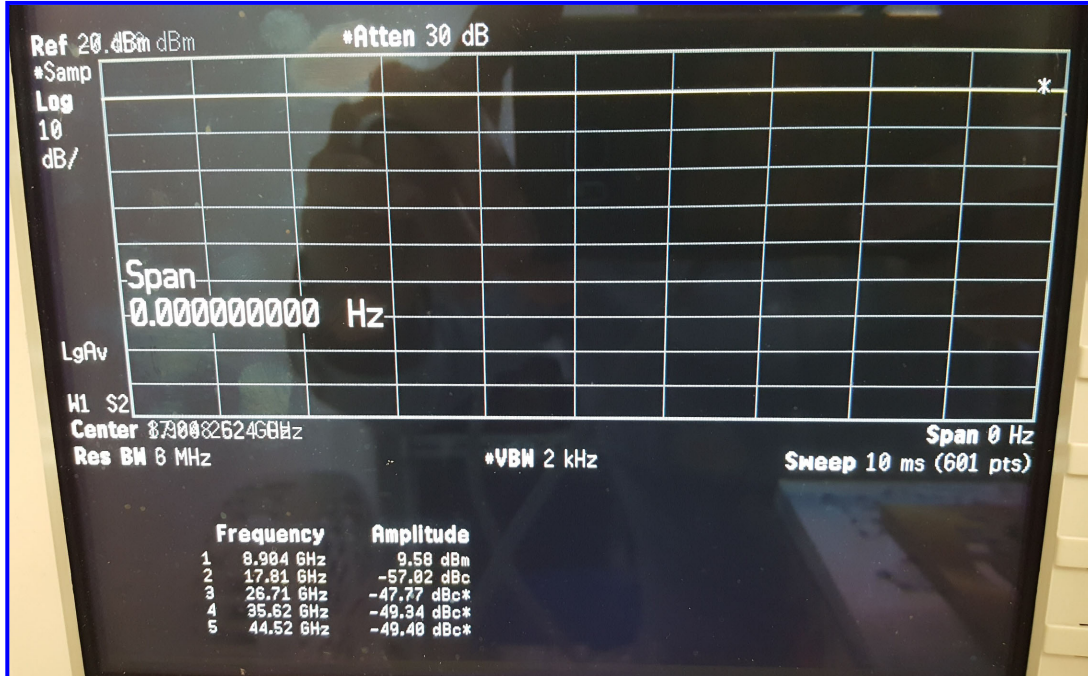
OUT-OF-BAND PERFORMANCE @ 9.46 GHz



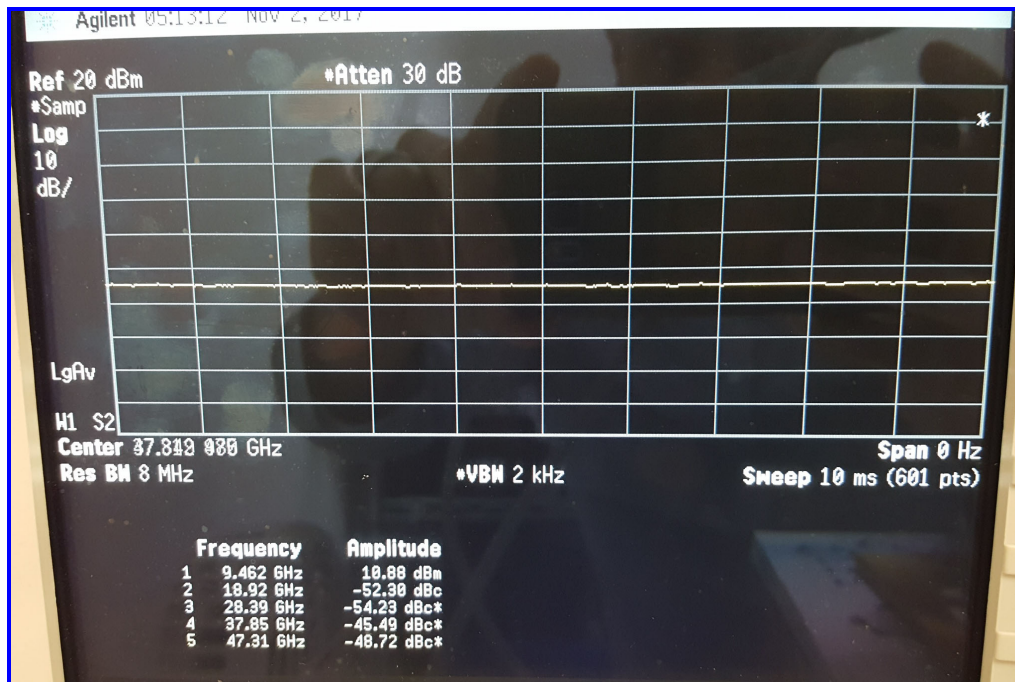


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HARMONIC PERFORMANCE @ 8.9 GHz



HARMONIC PERFORMANCE @ 9.46 GHz





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