

Summary Test Data
For
DD-816-P-SMF

Customer: _____ Tested By: K Craven
SO No: _____ Temperature: +25° C
Model No: DD-816-P-SMF Date: 8/30/2023
Serial No: PL41914/2335 Drawing No: 27646740 REV: A2

Outline Specifications & Test Data

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Input Power	Test Results	QA/QC
				+25°	
1	Frequency Range	8 to 16 GHz		8 to 16 GHz	PMI
2	VSWR In @ -23dBm	3.5:1 MAX. ¹	-10 dBm	3.16:1	QA2
3	Frequency Flatness	±0.6 dB Typ, ±1.0 dB Max ^{1,2}	-10 dBm	±0.56dB	
4	TSS(5MHz Filter BW, 3dB NF amplifier)	-48 dBm MAX. ³	-48 dBm	-60.6 dBm See Plot	
5	Output Voltage vs Load	15 mV MIN @ 100 ohms/ 80 mV Min @ Open ¹	-10 dBm	29.6 mV @ 100 ohms 89.4 mV @ Open	
6	Video Polarity	Positive		Positive	

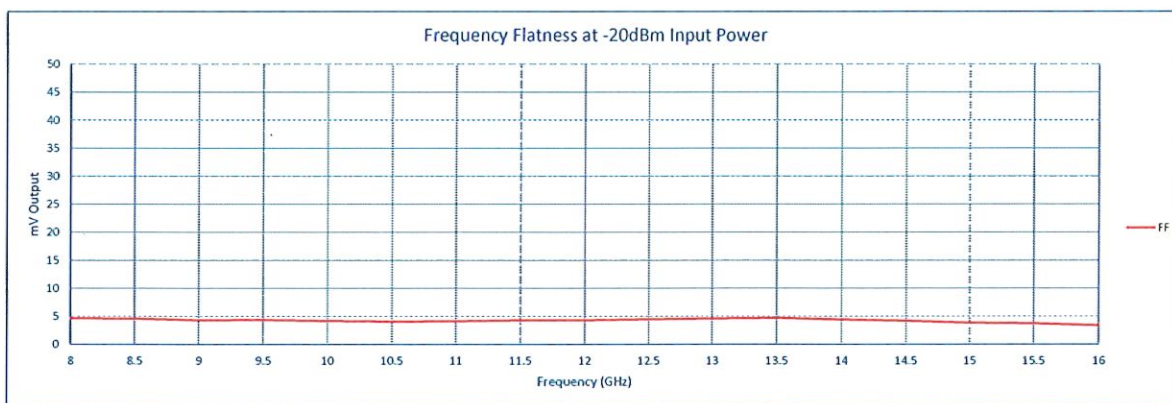
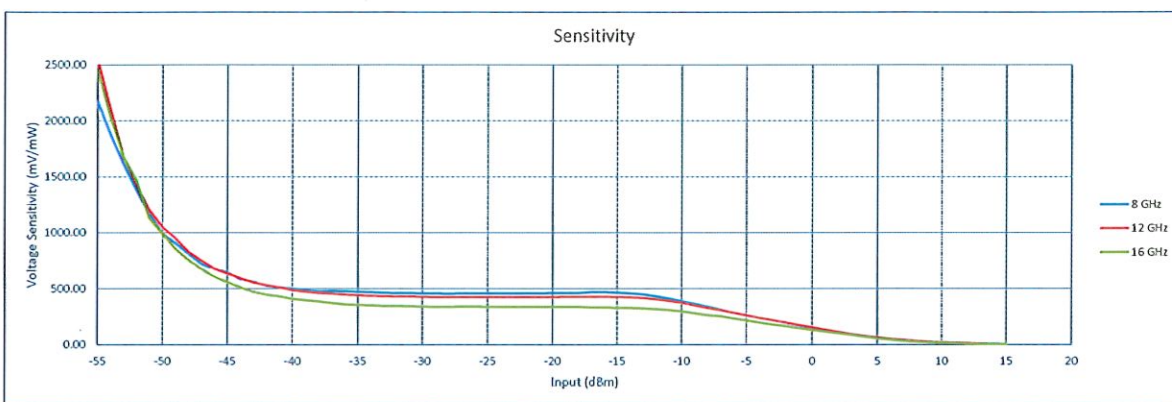
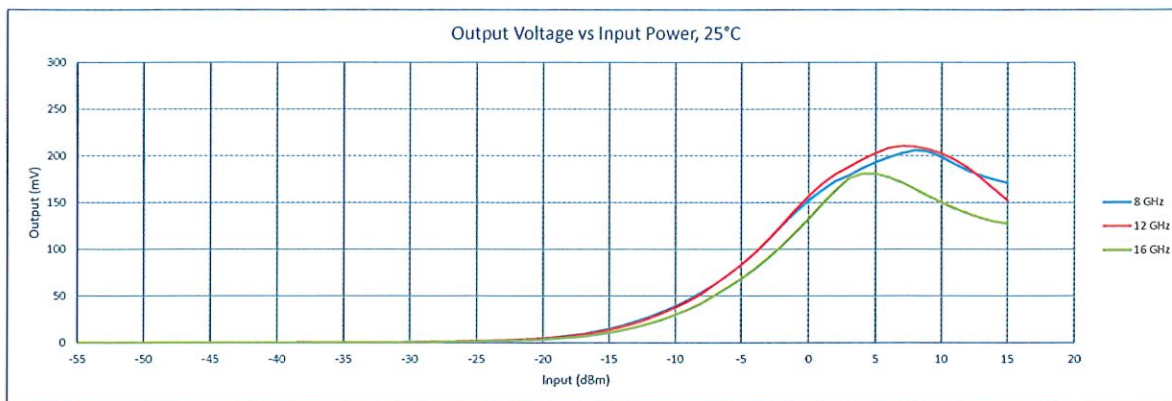
QA/QC APPROVAL Camery Kelly PMI QA2

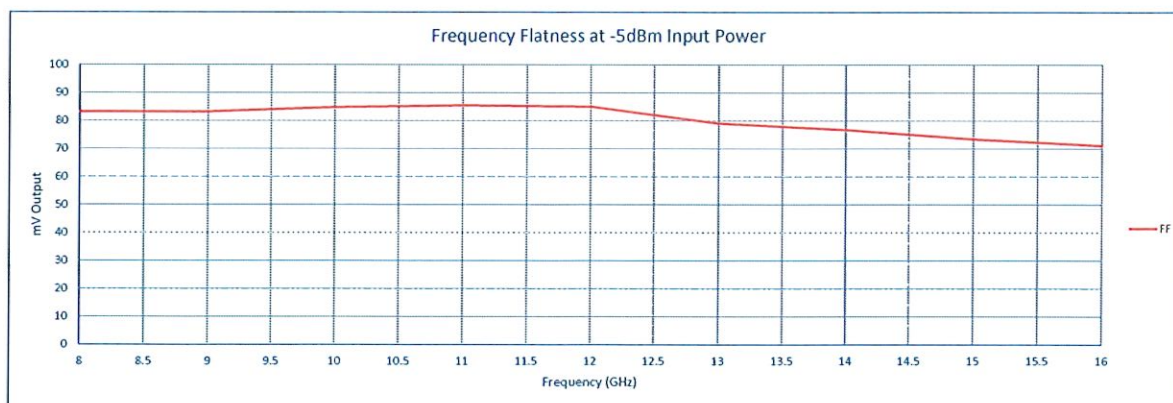
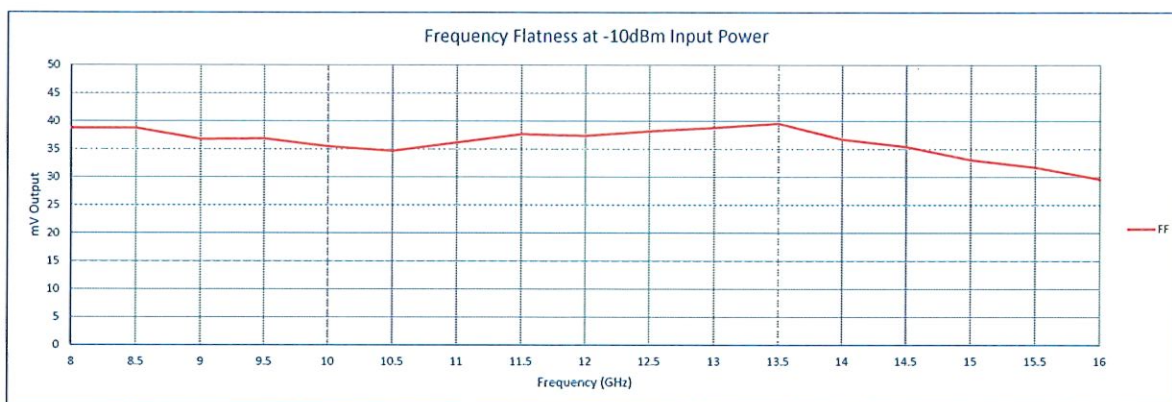
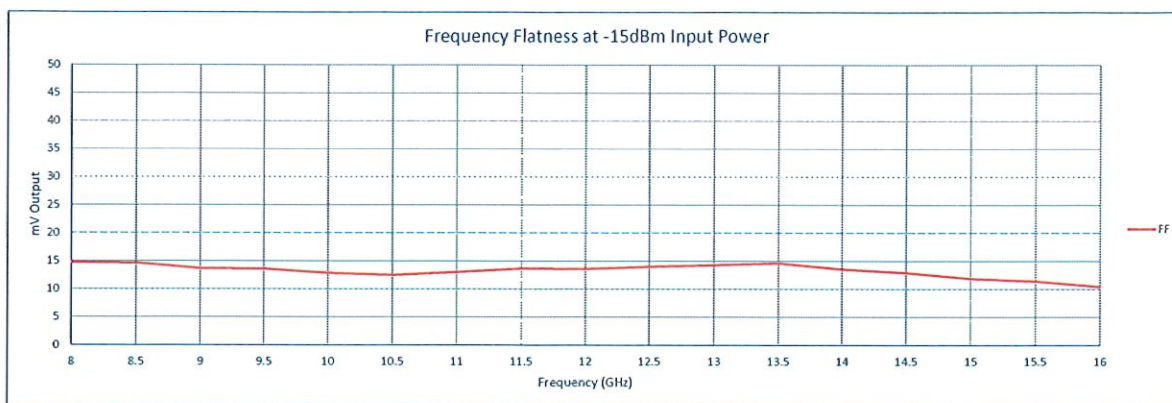
DATE 08/31/23

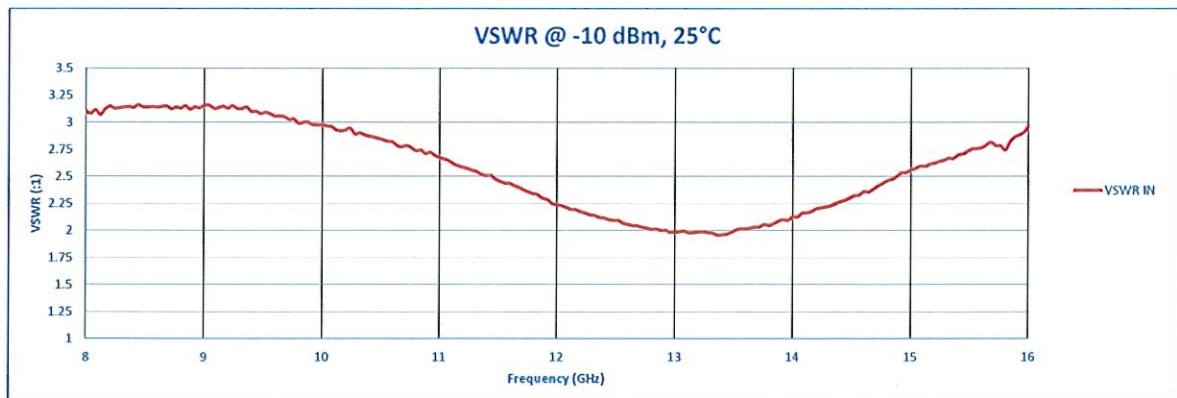
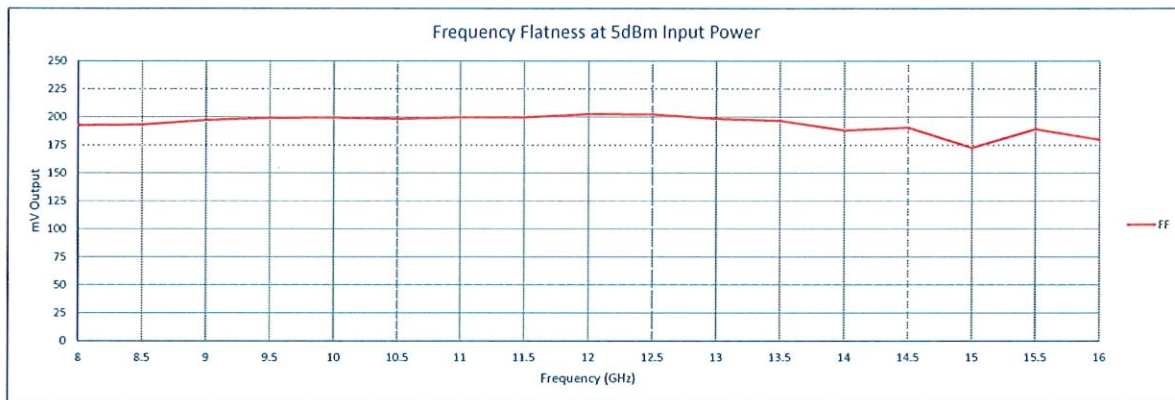
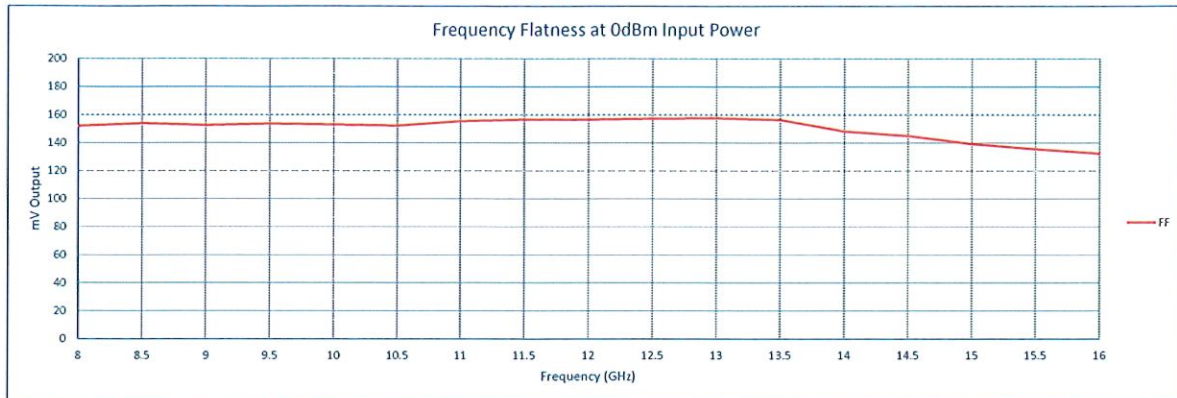
¹Measured with 100Ω termination

²(mV in dB scale min to max)/2 (Measured -10dBm)

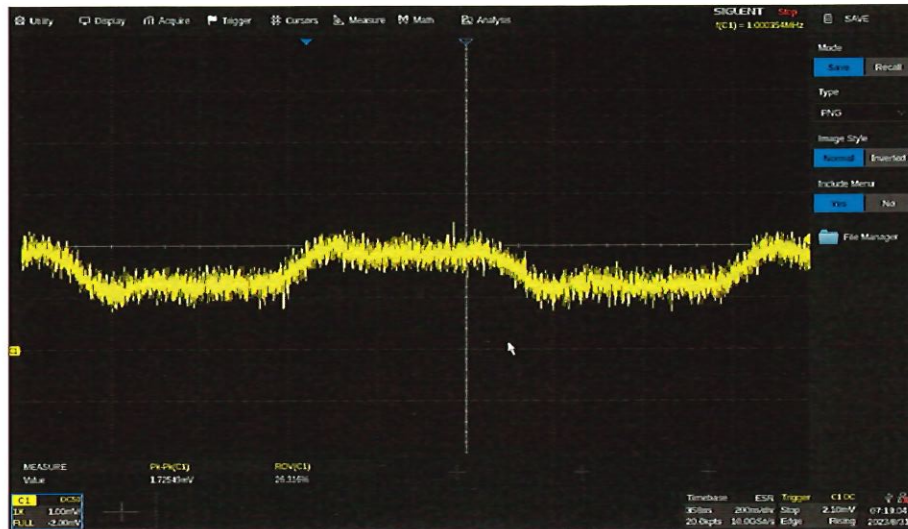
³Measured @ 12 GHz





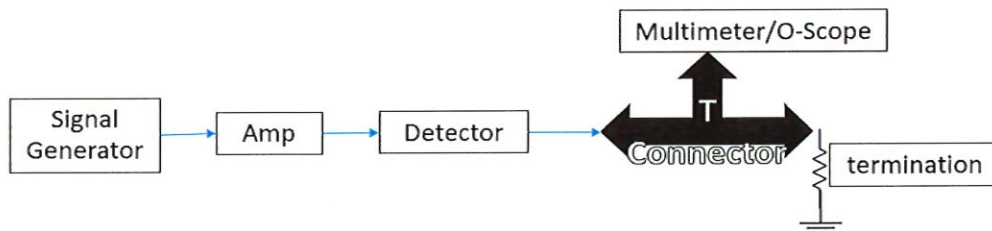


-60.6 dBm Input Pulse to Amplifier



*Output with 100Ω termination
*1Mhz pulse frequency, 500 ns

Appendix A: TSS Calculations and Test Setup



Amplifier PMI Model PEC-36-2G18G-4R5-27-15-SFF Data

