



Summary Test Data
For
DD-816-P-SMF

Customer: _____
 SO No: _____
 Model No: DD-816-P-SMF
 Serial No: PL41913/2335

Tested By: K Craven
 Temperature: +25° C
 Date: 8/30/2023
 Drawing No: 27646740 REV: A2

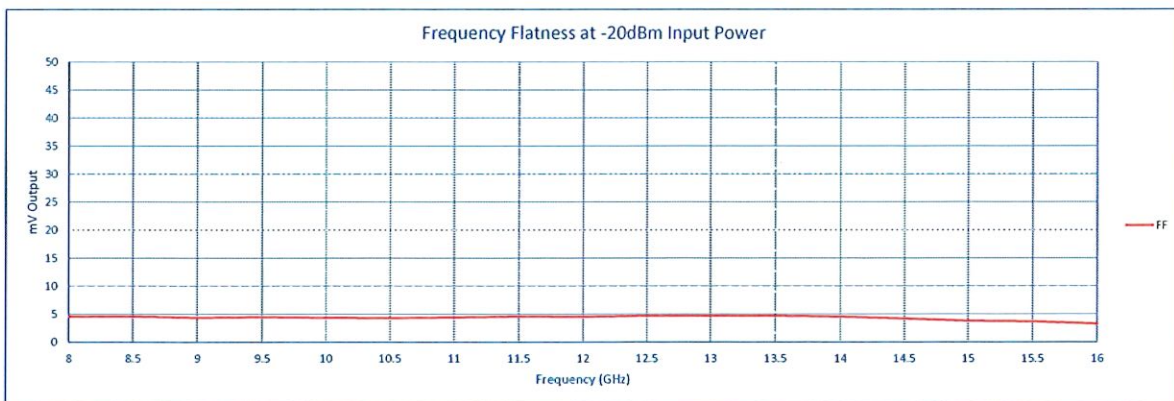
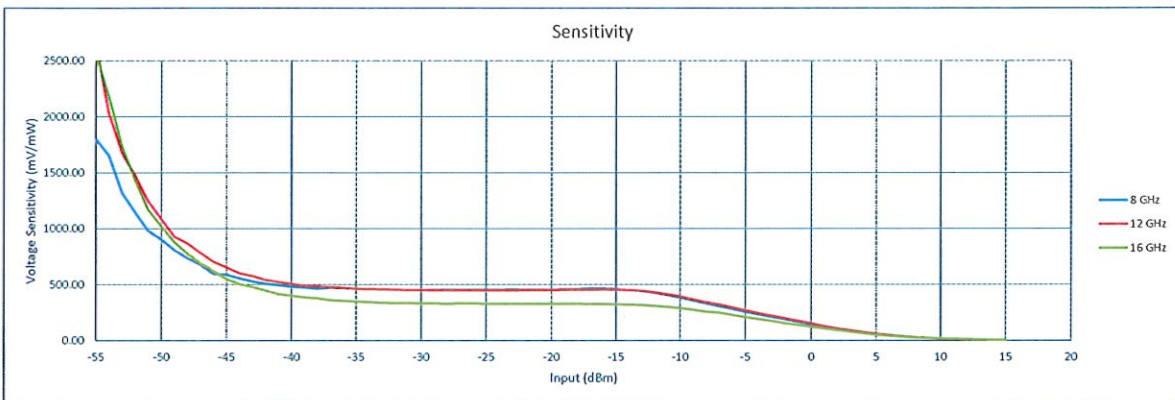
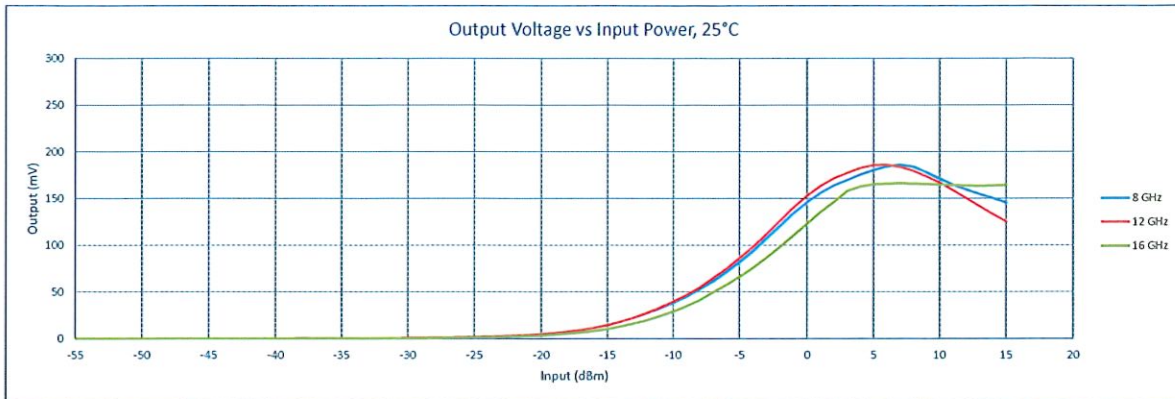
Outline Specifications & Test Data

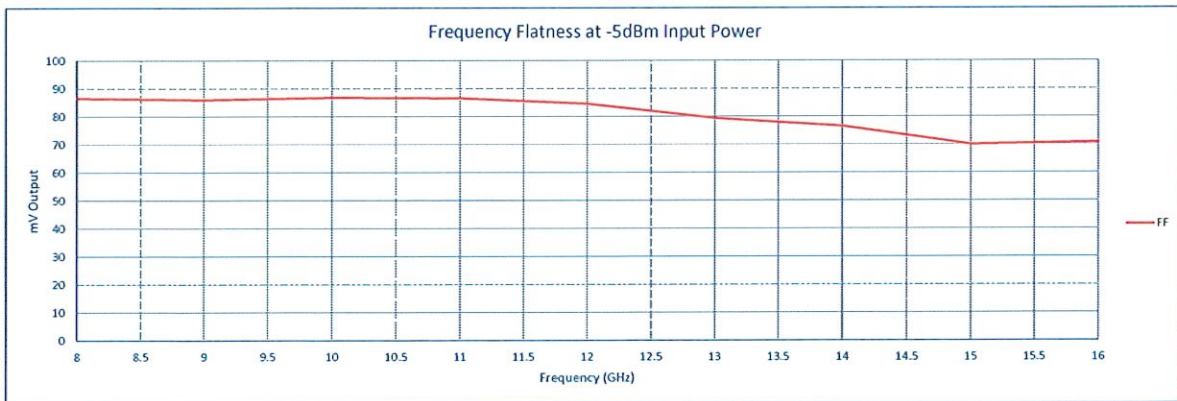
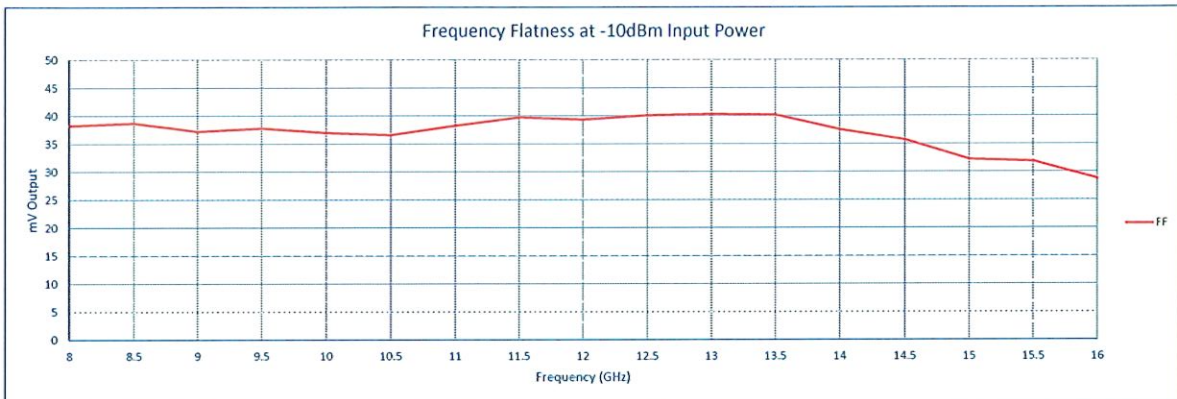
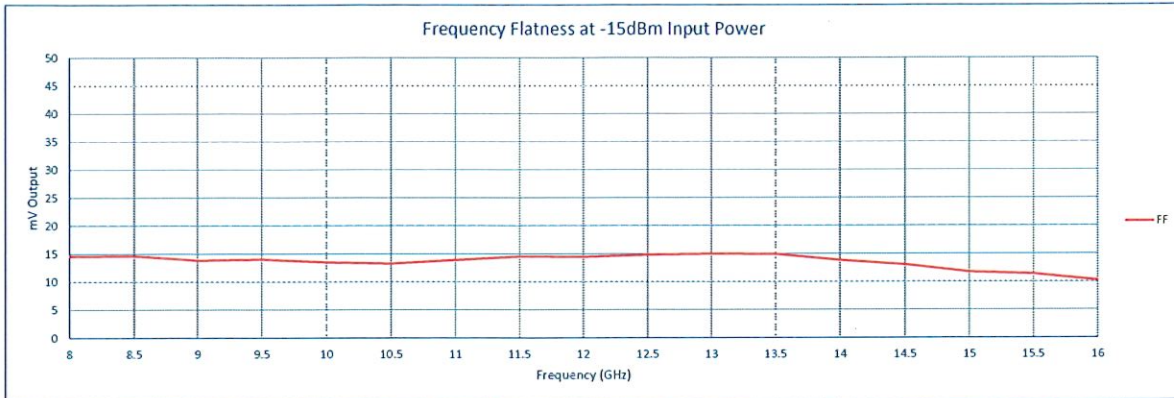
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Input Power	Test Results	QA/QC
				+25°	
1	Frequency Range	8 to 16 GHz		8 to 16 GHz	PMI QA2
2	VSWR In @ -23dBm	3.5:1 MAX. ¹	-10 dBm	3.12:1	
3	Frequency Flatness	±0.6 dB Typ, ±1.0 dB Max ^{1,2}	-10 dBm	±0.66dB	
4	TSS(5MHz Filter BW, 3dB NF amplifier)	-48 dBm MAX. ³	-48 dBm	-61.2 dBm See Plot	
5	Output Voltage vs Load	15 mV MIN @ 100 ohms/ 80 mV Min @ Open ¹	-10 dBm	28.8 mV @ 100 ohms 86.7 mV @ Open	
6	Video Polarity	Positive		Positive	

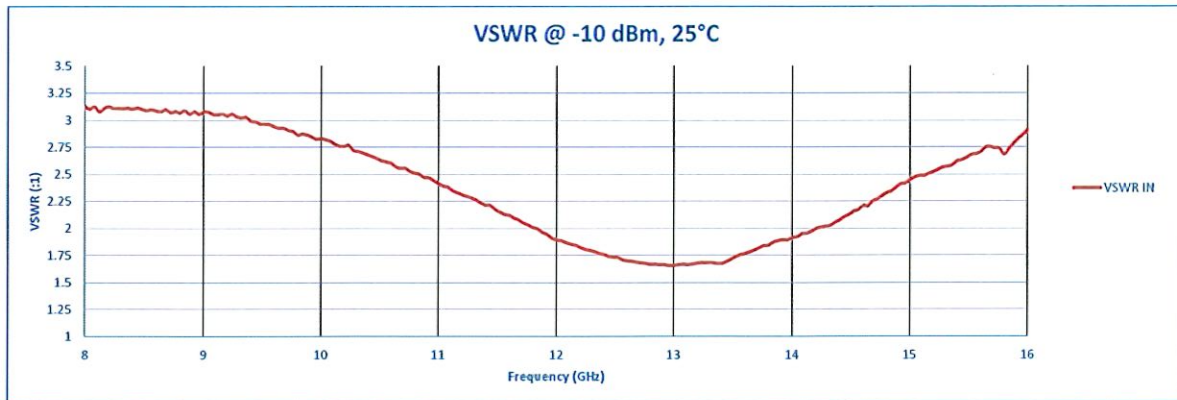
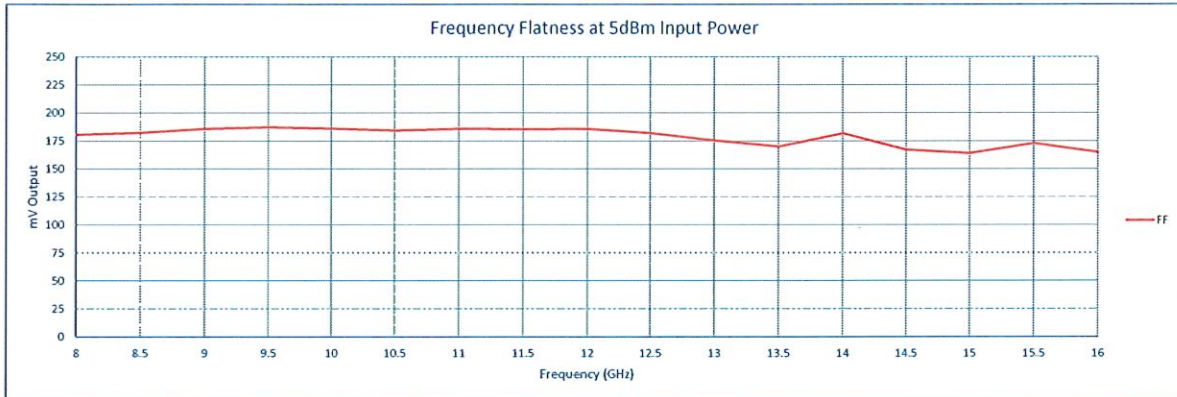
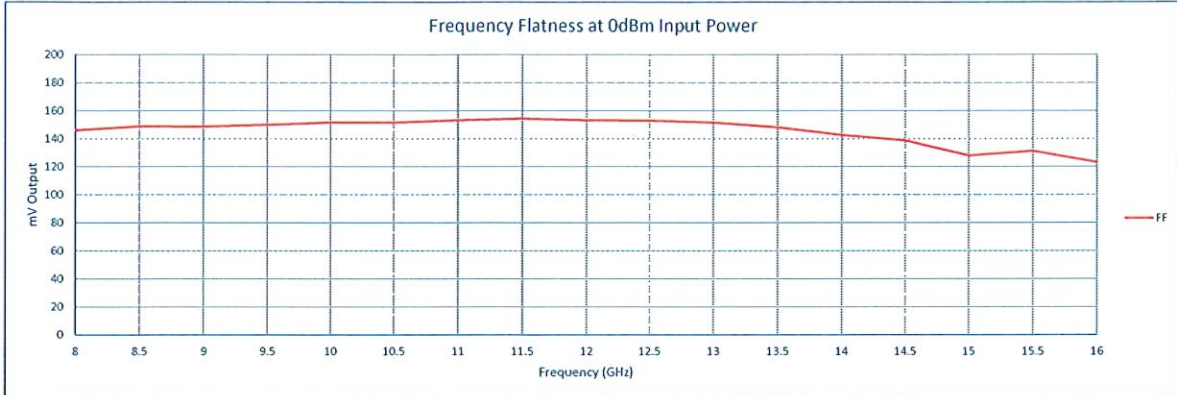
QA/QC APPROVAL Carney May ^{PMI} _{QA2}

DATE 08/31/23

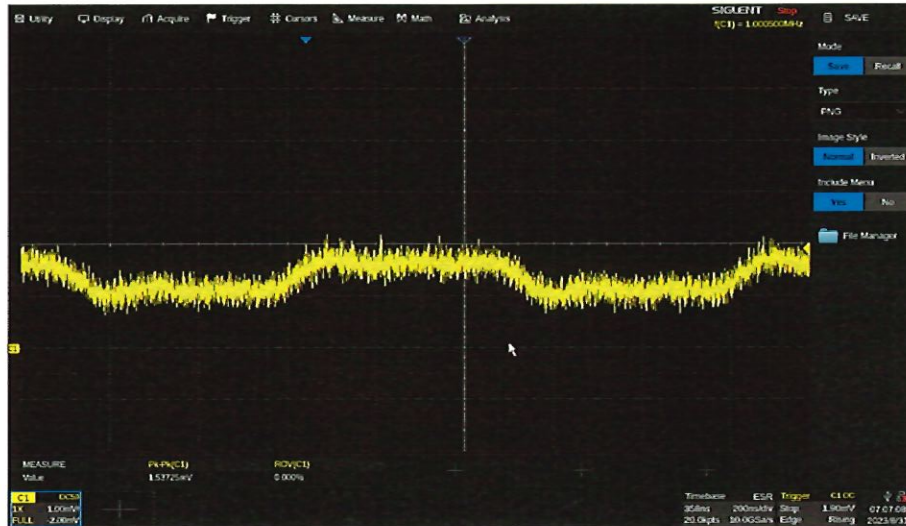
¹Measured with 100Ω termination
²mV in dB scale min to max/2 (Measured -10dBm)
³Measured @ 12 GHz





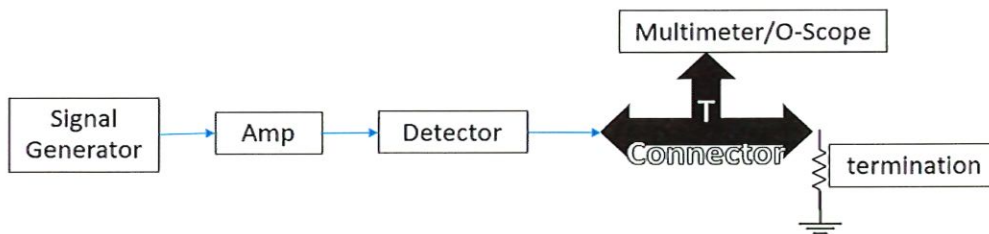


-61.2 dBm Input Pulse to Amplifier



*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

