

**SUMMARY TEST DATA
ON
PEC-30-10M20-SFF**

Customer: _____

Tested By: K. Mansfield

SO No: _____

Temperature: +25° C

Model No: PEC-30-10M20-SFF

Date: 12/20/2023

Serial No: PL40065/2313

Drawing No: 27633840

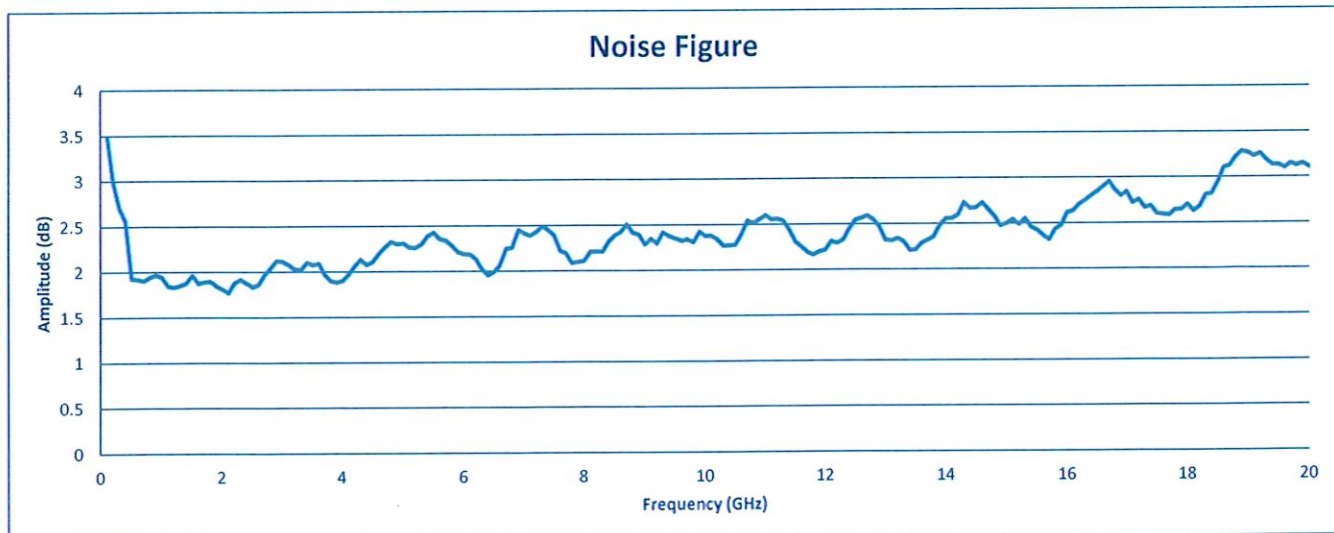
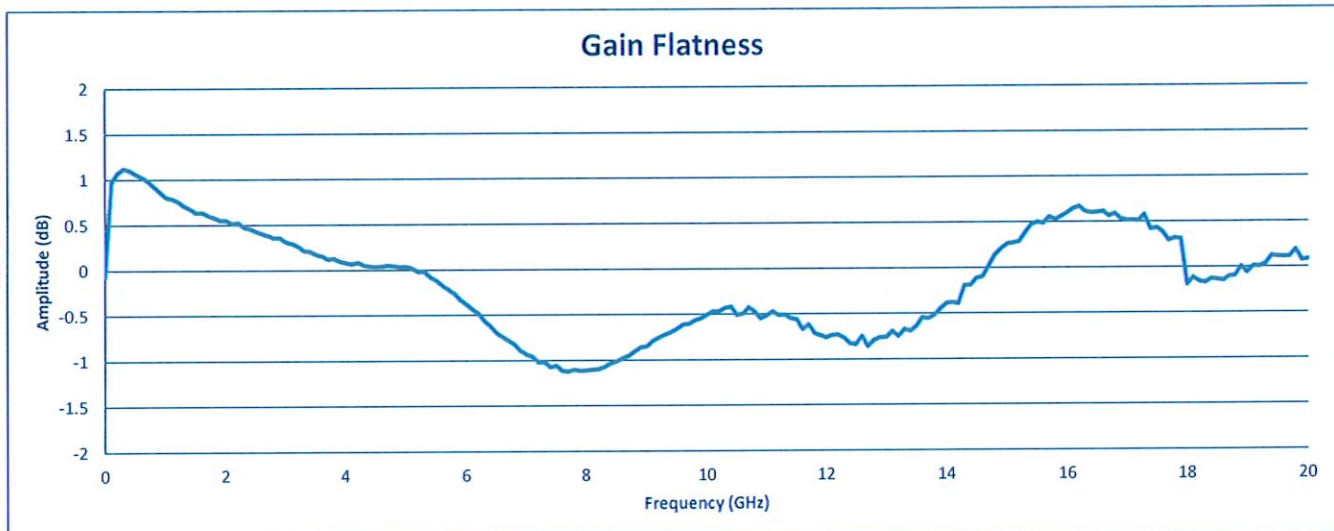
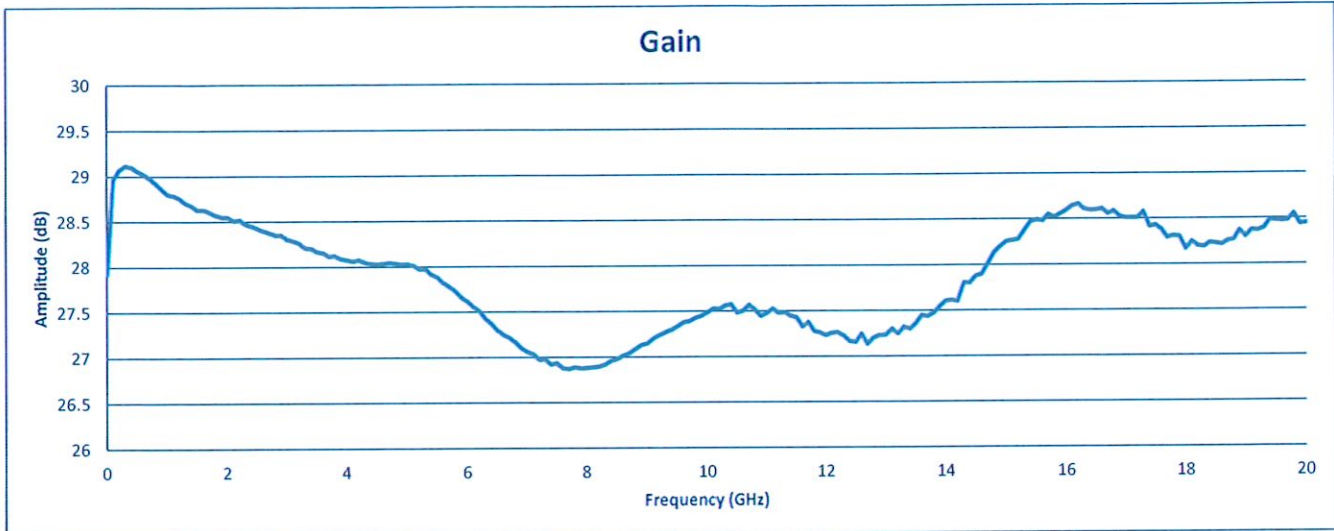
REV: A3

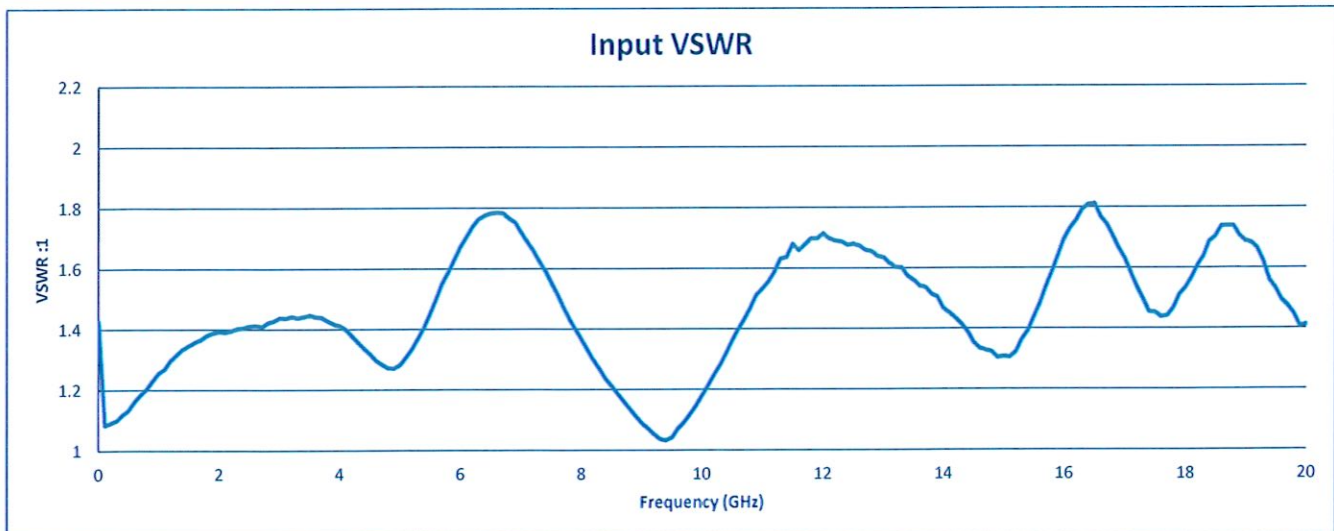
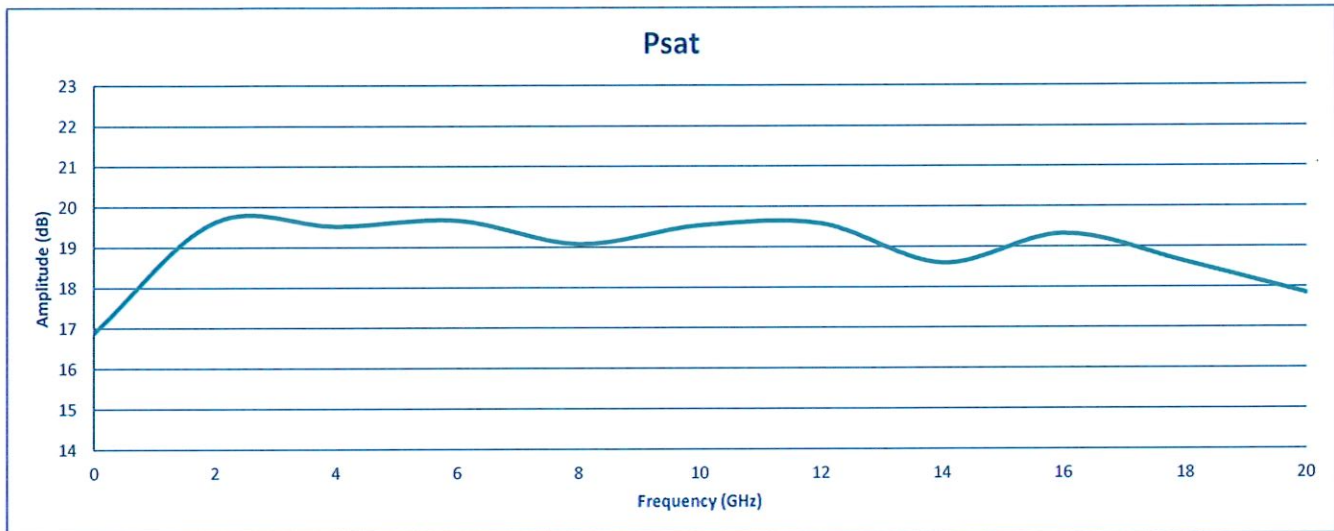
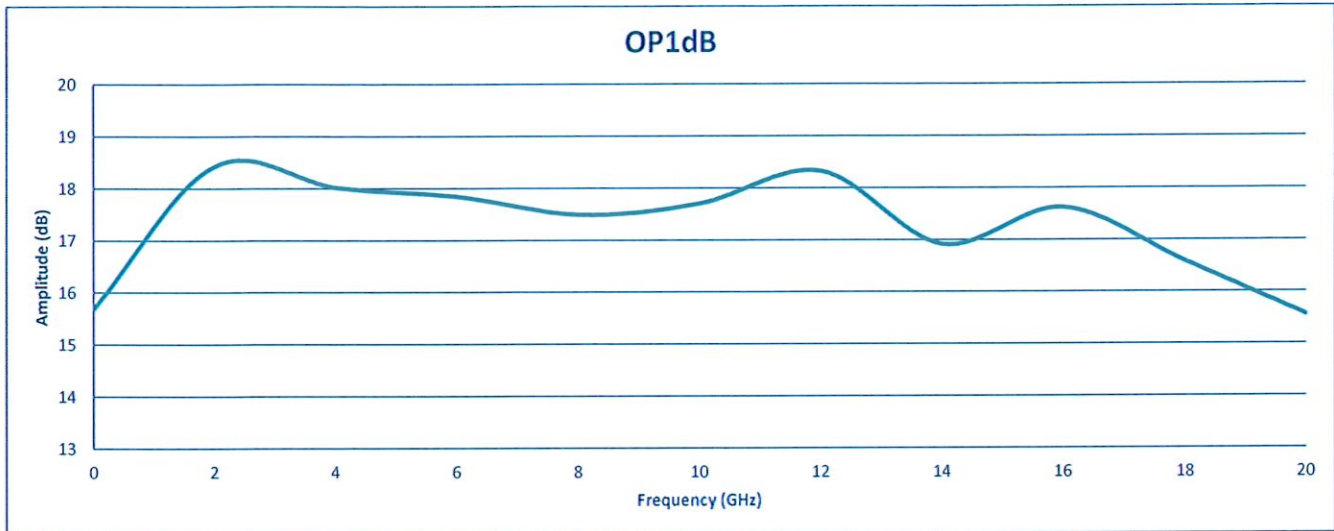
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	10 MHz to 20.0 GHz	10 MHz to 20.0 GHz	PMI QA2
2	Gain:	26 dB Min. (10 MHz to 18 GHz) 28 dB Min. (18 to 20 GHz)	+26.9 dB Min. +28.2 dB Min. See Plot	
3	Gain Flatness:	±2 dB Max. (10 MHz to 18 GHz) ±2.75 dB Max. (18 to 20 GHz)	±1.12 dB ±0.19 dB See Plot	
4	Noise Figure:	3.5 dB Max. (100 MHz to 18 GHz) 4.0 dB Max. (18 to 20 GHz)	3.5 dB 3.3 dB See Plot	
5	OP1dB:	+14 dBm Min. (10 MHz to 18 GHz) +13 dBm Min. (18 to 20 GHz)	+15.7 dBm +15.6 dBm See Plot	
6	Psat	+15 dBm Min. (10 MHz to 18 GHz) +14 dBm Min. (18 to 20 GHz)	+16.9 dBm +17.8 dBm See Plot	
7	VSWR Input	2.0:1 Max. (10 MHz to 18 GHz) 2.2:1 Max. (18 to 20 GHz)	1.81:1 1.74:1 See Plot	
8	VSWR Output:	2.1:1 Max. (10 MHz to 18 GHz) 2.4:1 Max. (18 to 20 GHz)	2.1:1 1.65:1 See Plot	
9	Reverse Isolation:	36 dB Min. (10 MHz to 18 GHz) 35 dB Min. (18 to 20 GHz)	37 dB 40 dB See Plot	
10	DC Supply:	+12 to +15 VDC @ 170 mA MAX.	139 mA	PMI QA2

QA/QC Approval: _____

PMI
QA2

Date: 12/20/2023





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