

SUMMARY TEST DATA ON PEC-50-500M40G-20-12-292FF-BG-OPT250M

Customer:

SO No:

Model No: PEC-50-500M40G-20-12-292FF-BG-OPT250M

Serial No: PL53945/2528

Tested By: Alfredo Lopez/ Darwin M.C.

Temperature: +25°C

Date: 7/8/2025

Drawing No: 27650580 REV: A1

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	250 MHz - 40 GHz	250 MHz - 40 GHz	PMI QA2
2	Gain:	+47 dB Nom +45 dB Min	+ 50.4 dB Max. + 47.13 dB Min. See Graph	
3	Gain Flatness:	±2.5 dB Max (@+25°C to +85°C) ±3.0 dB Max. (@-55°C to +25°C)	±1.63 dB See Graph	
4	Noise Figure :	5.5 dB Typ 7.0 dB Max	6.45 dB See Graph	
5	OP1dB:	+21 dBm Min (0.25-10 GHz) +19 dBm Min (10-18 GHz) +16 dBm Min (18-40 GHz)	+ 22.8 dBm + 23.15 dBm + 20.01 dBm See Graph	
6	Psat:	+27 dBm Max	+ 26.31 dBm See Graph	
7	Input Power Handling:	+23 dBm Max (250 MHz-26 GHz) +20 dBm Max (26-40 GHz)	Pass See Typical Characteristics	
8	VSWR: (Input/Output)	2.2:1 Max. (Input) 2.5:1 Max. (Output)	1.89 :1 (In) 2.11 :1 (Out) See Graph	
9	DC Supply:	+12 to +15 VDC @ 550 mA Nom 650 mA Max (Iq)	+12 to +15 VDC @ 555 mA	PMI QA2

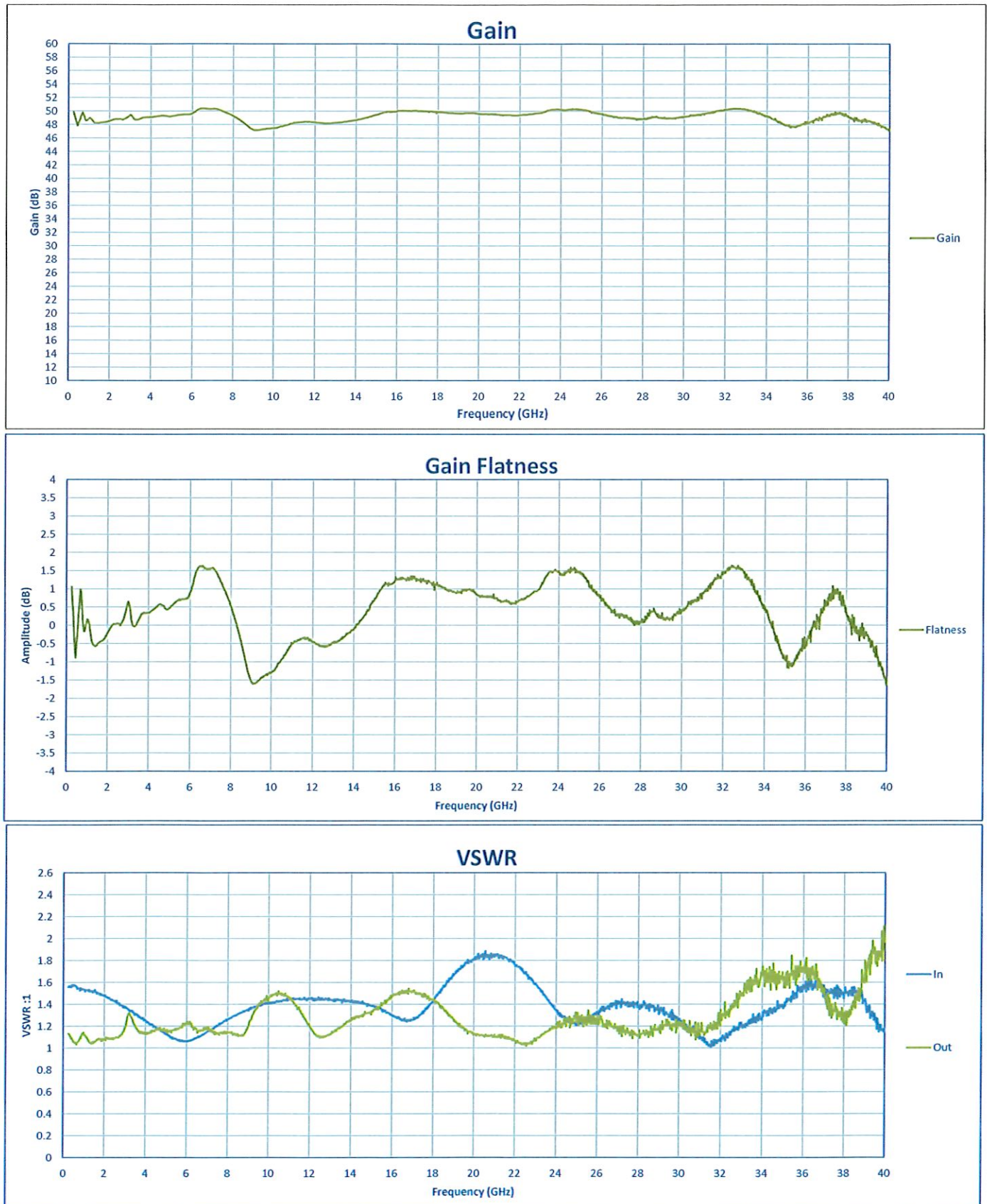
QA/QC Approval:

PMI
QA2

Date:

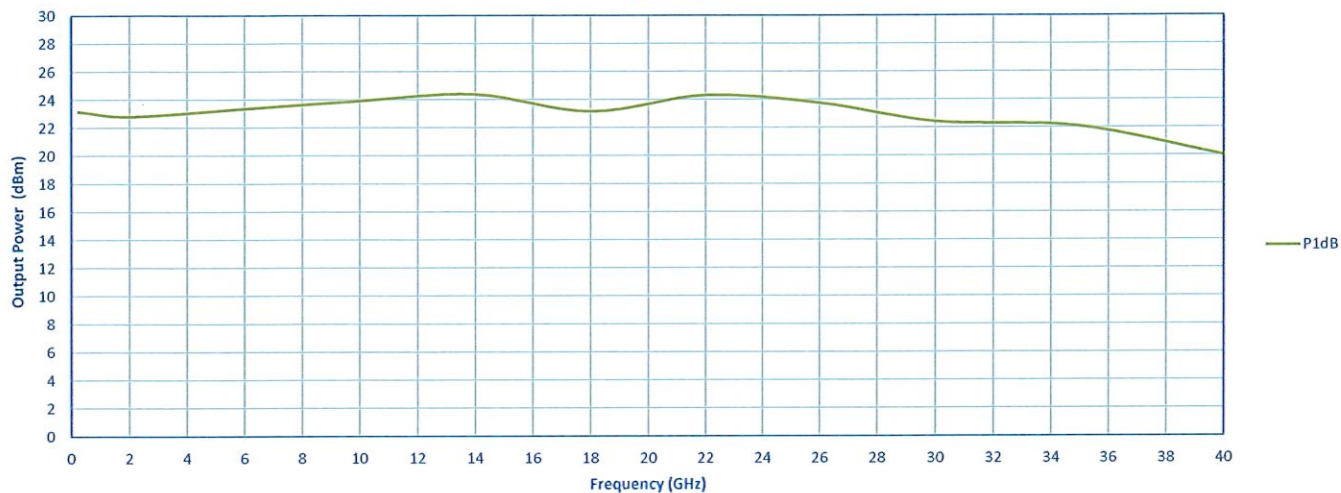
7/10/2025

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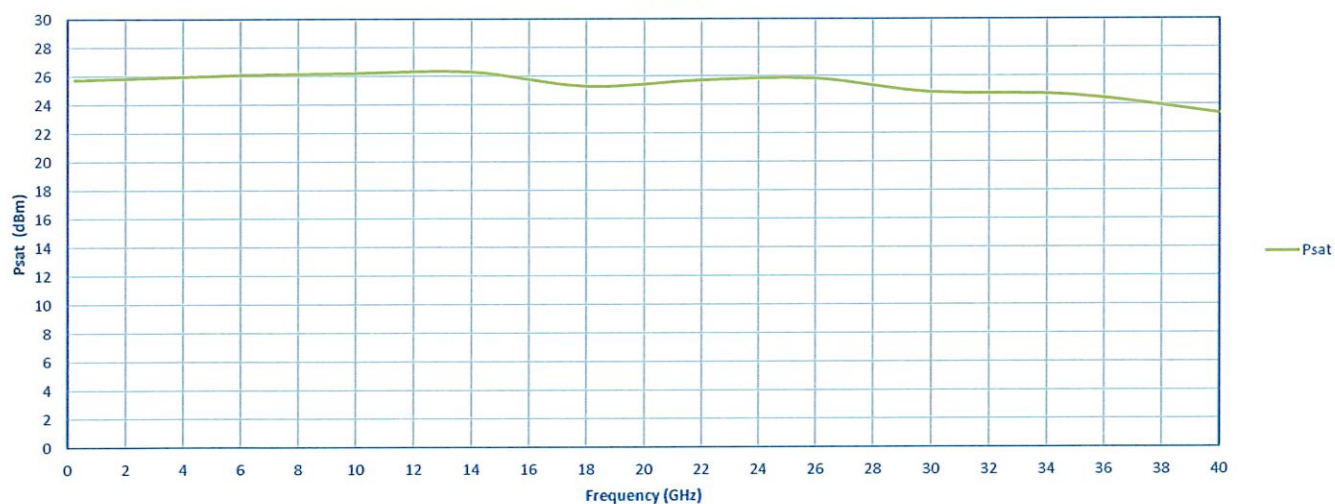


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OP1dB



PSAT



Noise Figure

