

**SUMMARY TEST DATA
ON
PEC-42-500M40G-20-12-292MF-BG**

Customer: _____
SO No: _____
Model No: PEC-42-500M40G-20-12-292MF-BG
Serial No: PL40407/2317

Tested By: K. Mansfield
Temperature: 25°C
Date: 4/28/2023
Drawing No: 27642680 REV: B1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	500 MHz - 40 GHz	500 MHz - 40 GHz	PMI QA2
2	Gain:	40 dB Typ. 36 dB Min.	+39.3 dB Typ. +37.3 dB Min. See Plot	
3	Gain Flatness:	±2.5 dB Typ.	±1.93 dB See Plot	
4	*Noise Figure:	5.5 dB Typ.	2.4 dB See Plot	
5	OP1dB:	+19 dBm Typ. (1-18 GHz) +17 dBm Typ. (18-40 GHz)	+21.2 dBm +18.4 dBm See Plot	
6	Psat:	+23 dBm Typ. (1-18 GHz) +20 dBm Typ. (18-40 GHz)	+23.7 dBm +22.5 dBm See Plot	
7	Input Power Handling:	+17 dBm CW Max.	See Typical Characteristics	
8	VSWR: (Input/Output)	2.0:1 / 2.5:1 Max.	2.13:1 In 1.94:1 Out See Plot	
9	DC Supply:	+12 to +15 VDC @ 450 mA Nom.	437 mA	PMI QA2

*Up to 26.5 GHz

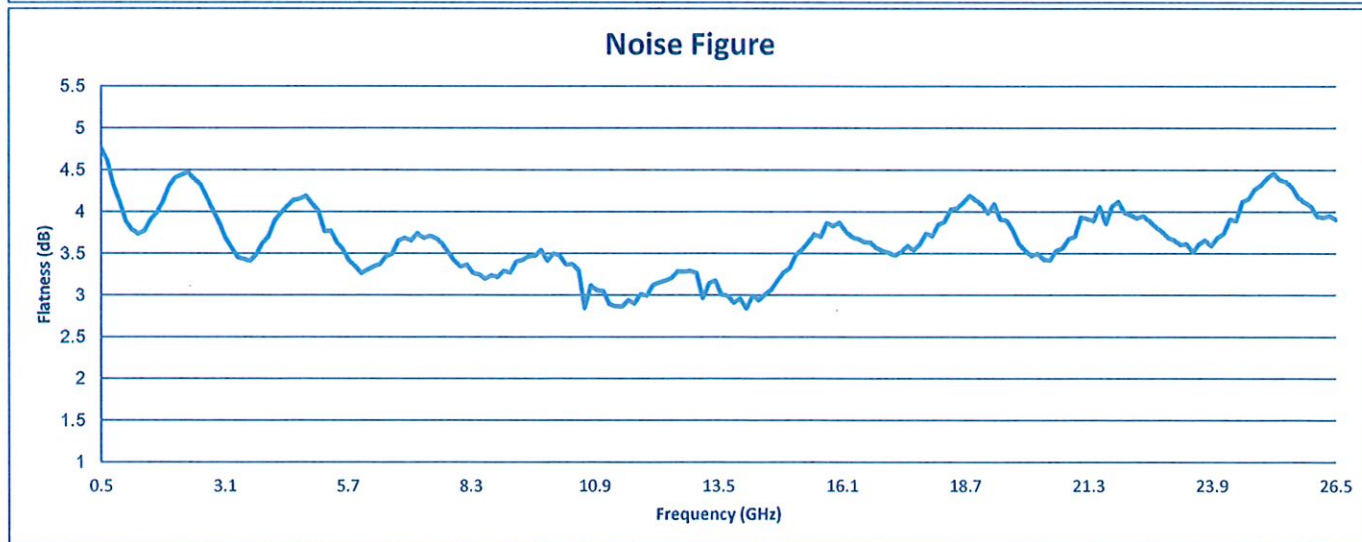
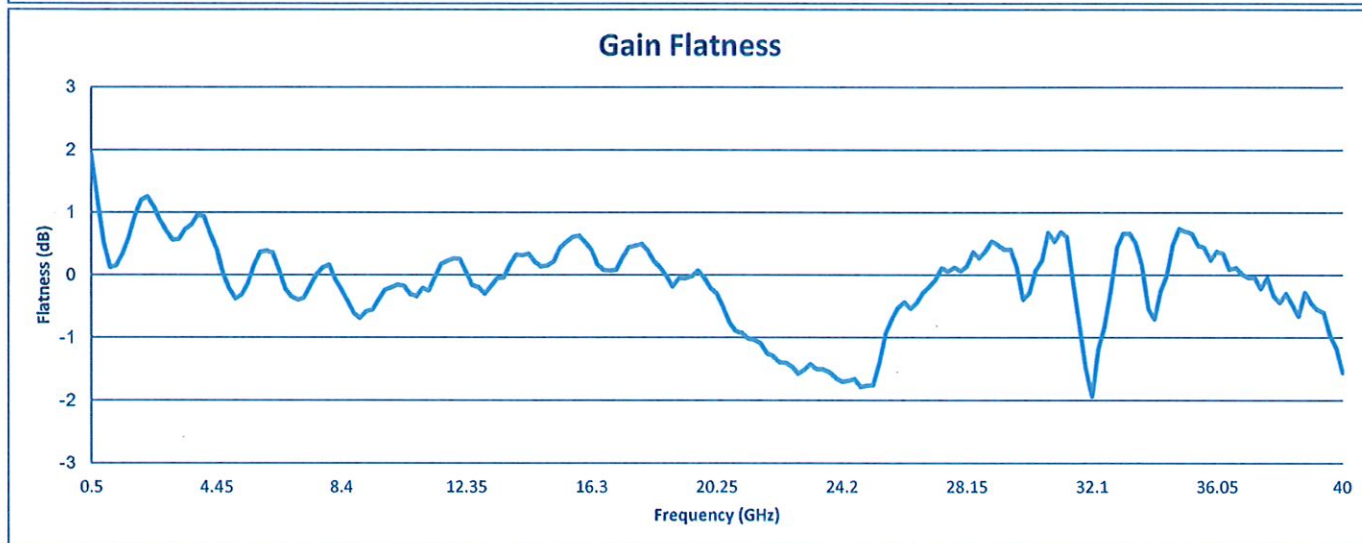
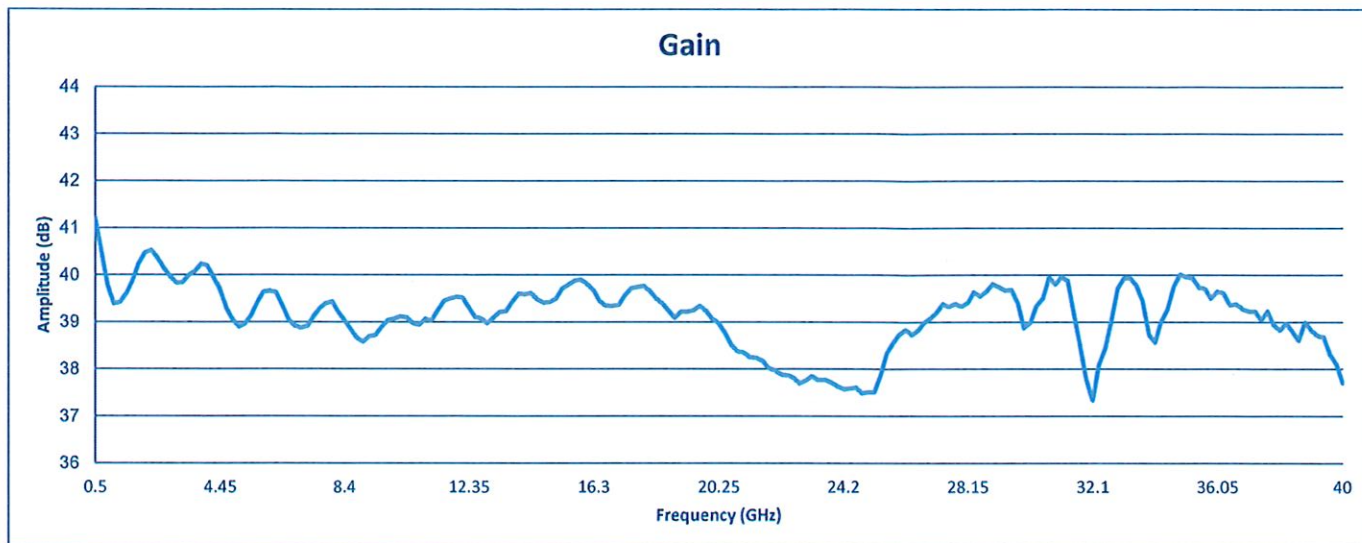
QA/QC Approval: _____

PMI
QA2

Date: _____

4/28/2023

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