Quantic PMI
PLANAR MONOLITHICS

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

Customer: [illegible]
SO No: [illegible]
Model No: PEC-30-10M20-SFF
Serial No: PL43430/2351

Tested By: Fred Cortes
Temperature: +25° C
Date: 12/18/2023
Drawing No: 27633840 **REV:** A2

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 QA3
2	Gain:	26 dB Typ. (10 MHz to 18 GHz) 28 dB Typ. (18 to 20 GHz)	**+25.7 dB Min.** **+27.1 dB Min.** **See Plot**	
3	Gain Flatness:	±2.0 dB Typ. (10 MHz to 18 GHz) '±2.5 dB Typ. (18 to 20 GHz)	**±1.3 dB** **±0.64 dB** **See Plot**	
4	Noise Figure:	3.0 dB Typ. (20 MHz to 0.5 GHz) 2.5 dB Typ. (0.5 MHz to 18 GHz) 3.3 dB Typ. (18 to 20 GHz)	**2.4 dB** **2.9 dB** **3.3 dB** **See Plot**	
5	OP1dB:	+14 dBm Typ. (10 MHz to 18 GHz) +13 dBm Typ. (18 to 20 GHz)	**+15.6 dBm** **+16.2 dBm** **See Plot**	
6	Psat	+13 dBm Min.	**+16.7 dBm** **See Plot**	
7	VSWR Input	2.0:1 Max. (10 MHz to 18 GHz) 2.2:1 Typ. (18 to 20 GHz)	**1.99:1** **1.86:1** **See Plot**	
8	VSWR Output:	2.1:1 Max. (10 MHz to 18 GHz) 2.4:1 Typ. (18 to 20 GHz)	**2.08:1** **1.8:1** **See Plot**	
9	DC Supply:	+12 to +15 VDC @ 170 mA MAX.	**115 mA**	

QA/QC Approval: K. Mutt **Date:** 12-20-23

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

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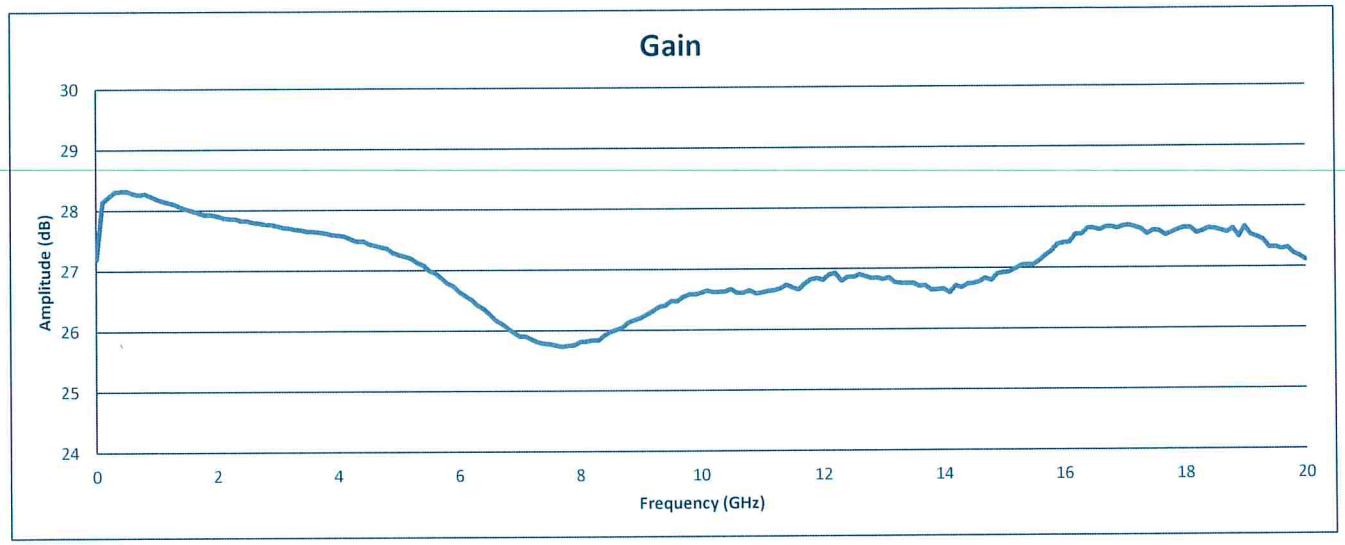

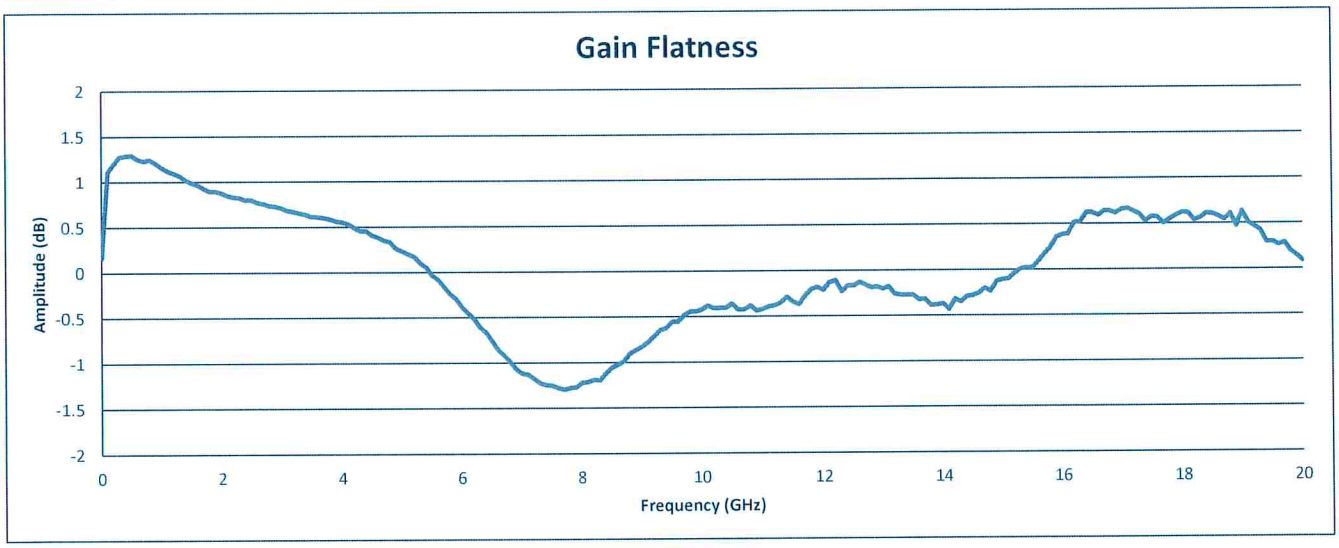

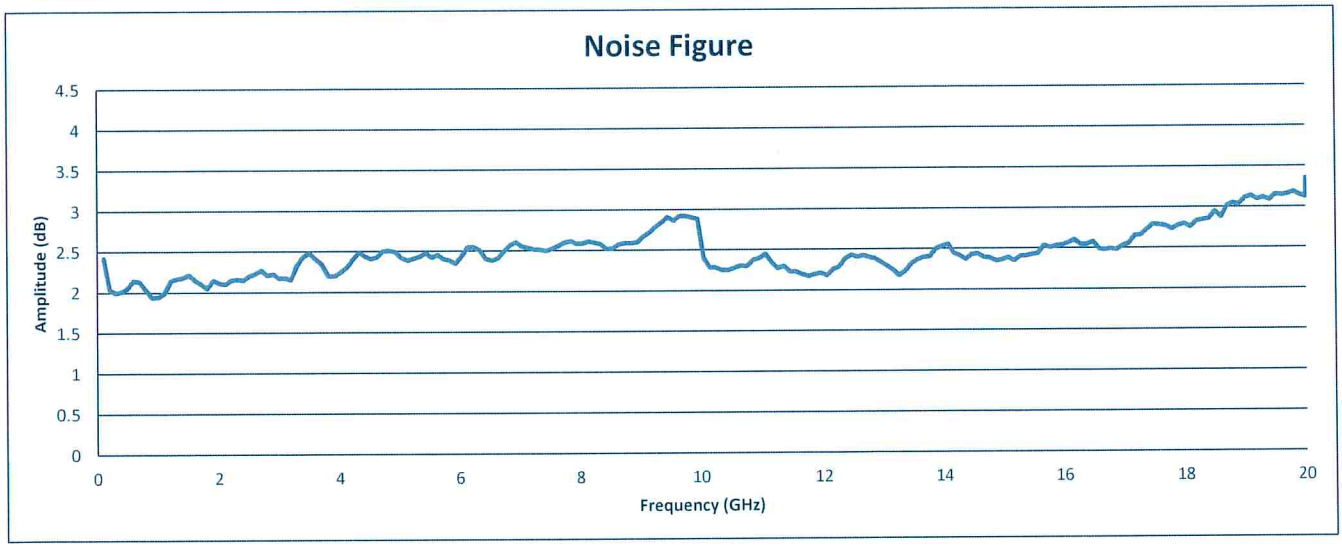

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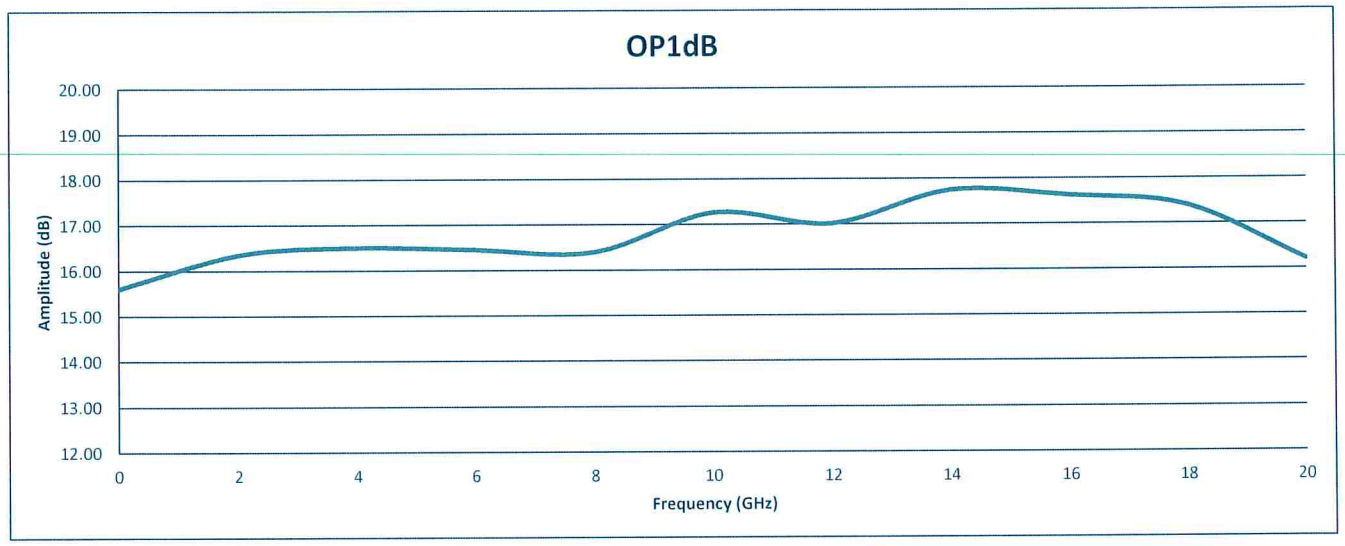

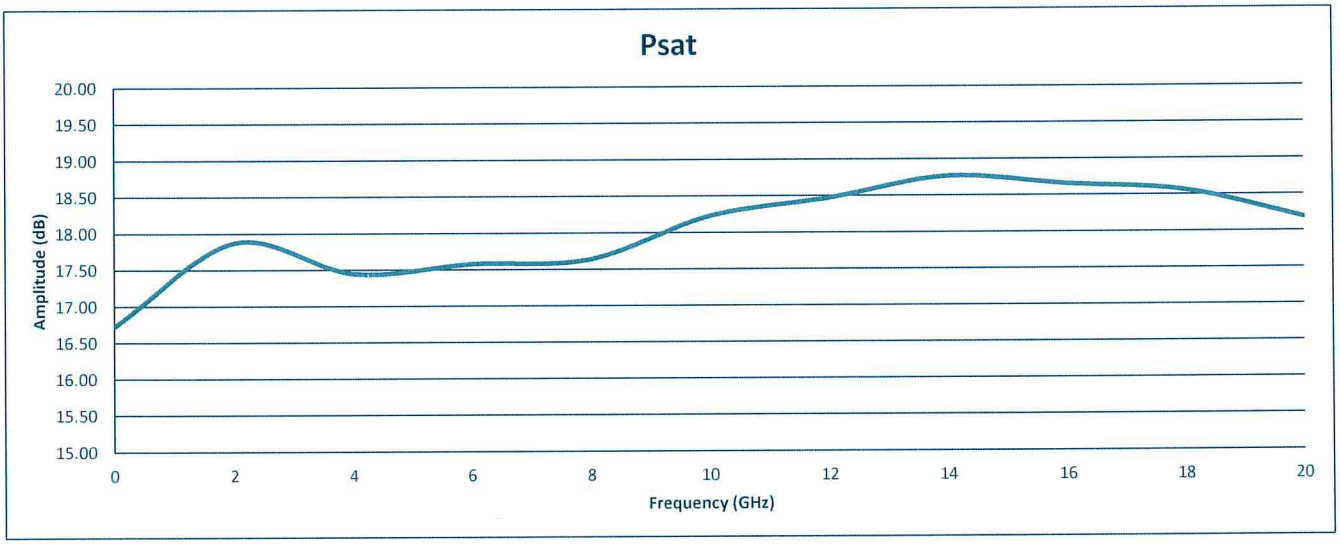

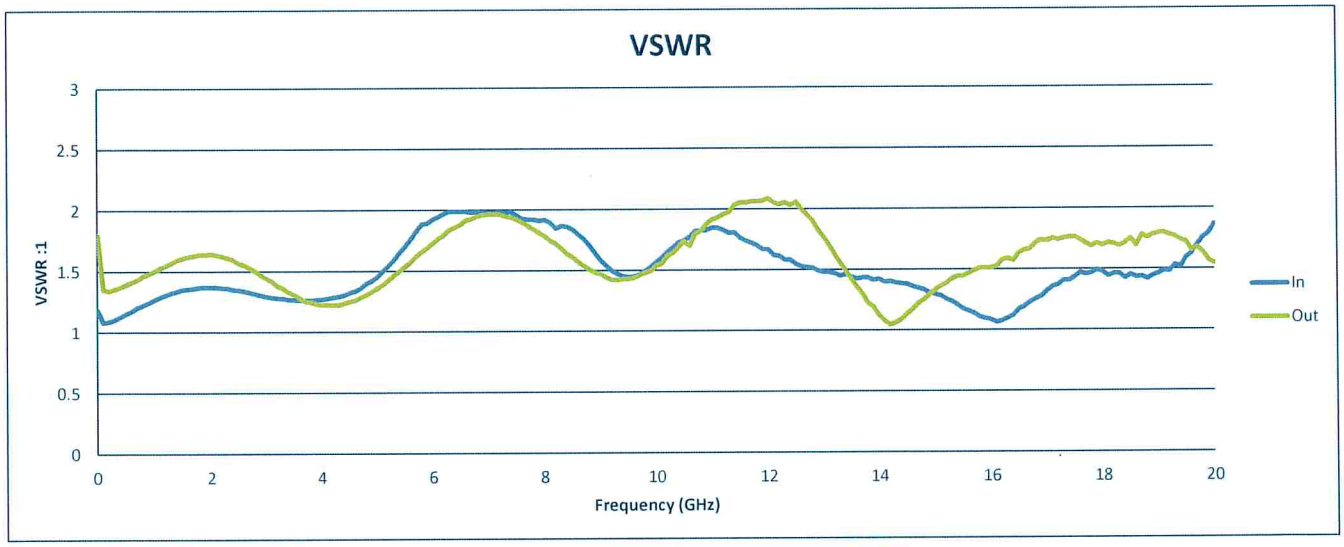

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