



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

Customer: _____

Tested By: Justen Gayduchik

SO No: _____

Temperature: +25° C

Model No: PEC-30-10M20-SFF

Date: 4/14/2025

Serial No: PL52441/2516

Drawing No: 27644480

REV: A4

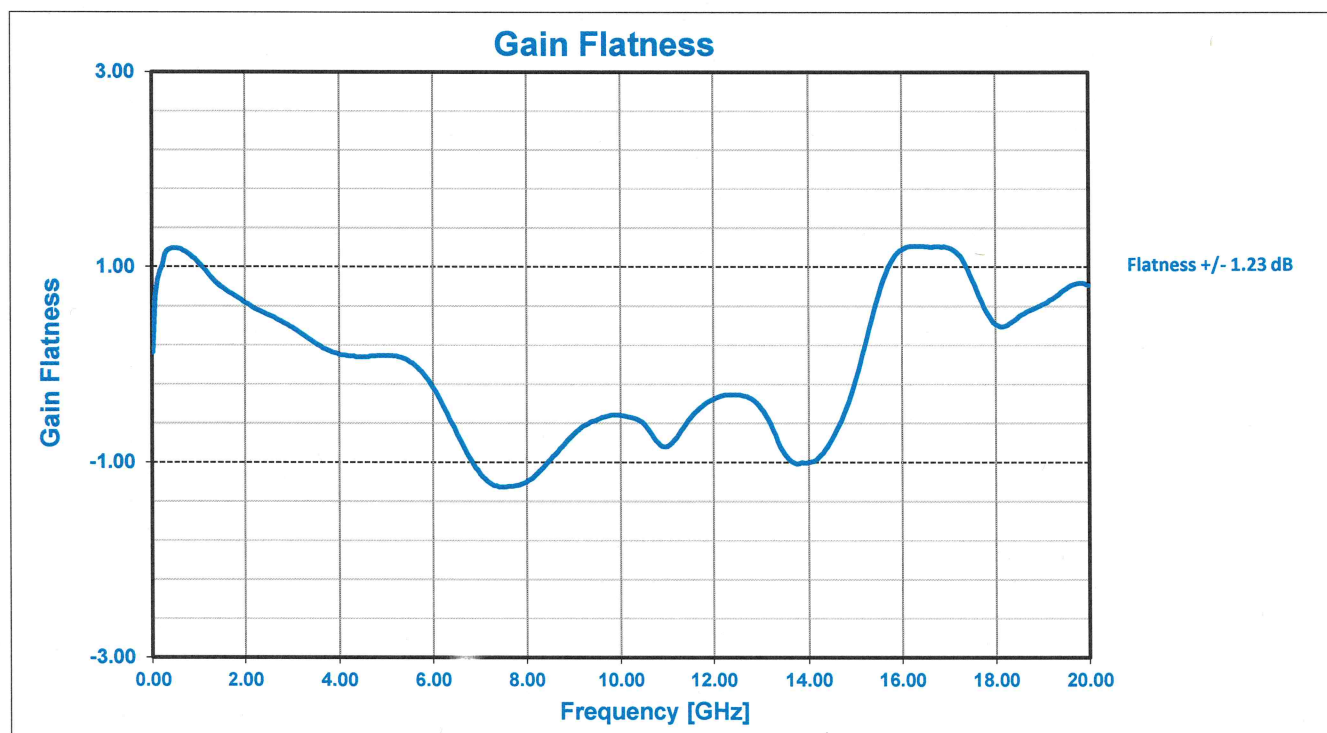
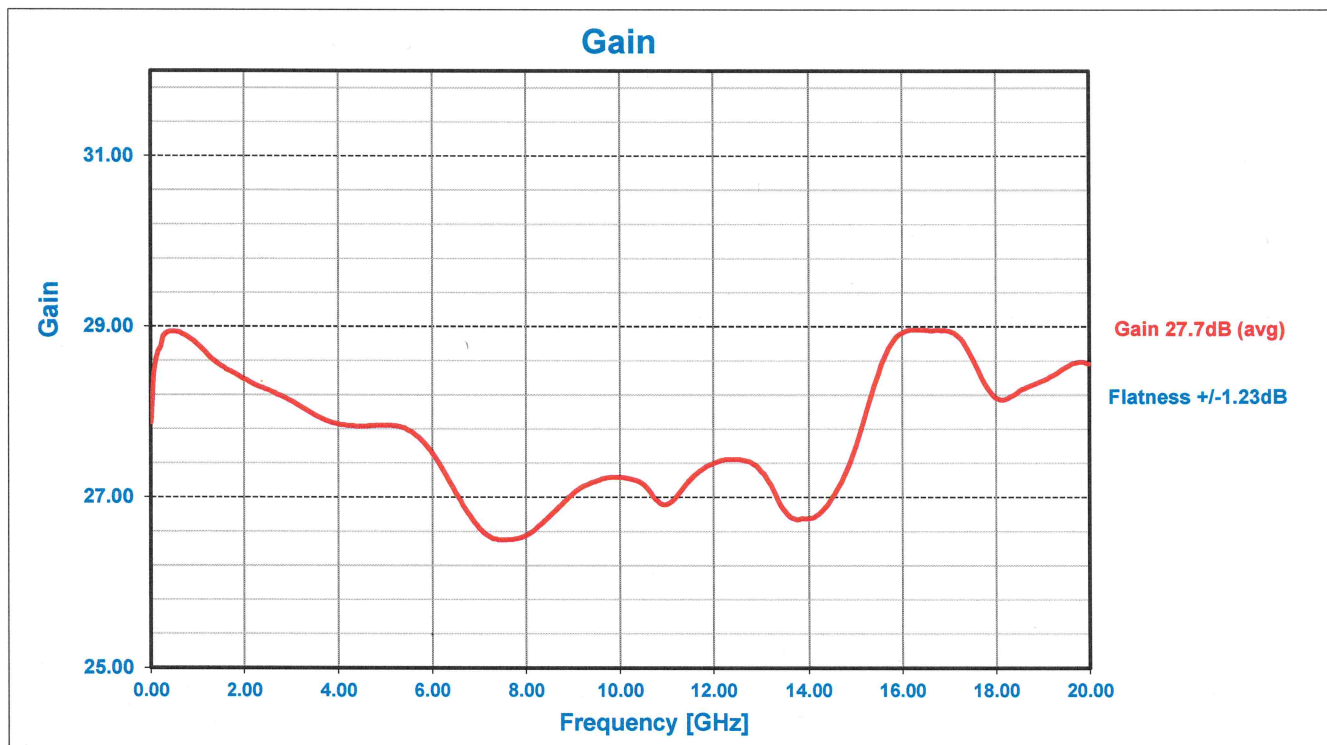
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	10 MHz to 20.0 GHz	10 MHz to 20.0 GHz	PMI QA3
2	Gain:	26 dB Min. (10 MHz to 18 GHz) 28 dB Min. (18 GHz to 20 GHz)	26.49 dB Min 28.13 dB Min See Plot	/
3	Gain Flatness:	±2 dB MAX. (10 MHz to 18 GHz) ±2.5 dB Typ., ±2.75 dB Max. (18 GHz to 20 GHz)	±1.23 dB ±0.61 dB See Plot	
4	Noise Figure:	4.5 dB Max. (20 MHz to 0.5 GHz) 3.5 dB Max. (0.5 GHz to 18 GHz) 4.0 dB Max. (18 GHz to 20 GHz)	2.0 dB 2.8 dB 3.1 dB See Plot	
5	OP1dB:	+13.5 dBm Min. (10 MHz to 18 GHz) +12 dBm Min. (18 GHz to 20 GHz)	17.5 dBm 17.5 dBm See Plot	
7	VSWR Input	2:1 Max. (10 MHz to 18 GHz) 2.2:1 Max. (18 GHz to 20 GHz)	1.99:1 / 1.55:1 See Plot	
8	VSWR Output:	2.1:1 Max. (10 MHz to 18 GHz) 2.4:1 Max. (18 GHz to 20 GHz)	2.01:1 / 2.33:1 See Plot	
9	DC Supply:	+12 to +15 VDC @ 170 mA MAX.	146.9 mA	

6	Psat	+15 dBm Min. (10 MHz to 18 GHz) +13 dBm Min. (18 GHz to 20 GHz)	18.4 dBm 18.3 dBm See Plot	/
---	------	--	----------------------------------	---

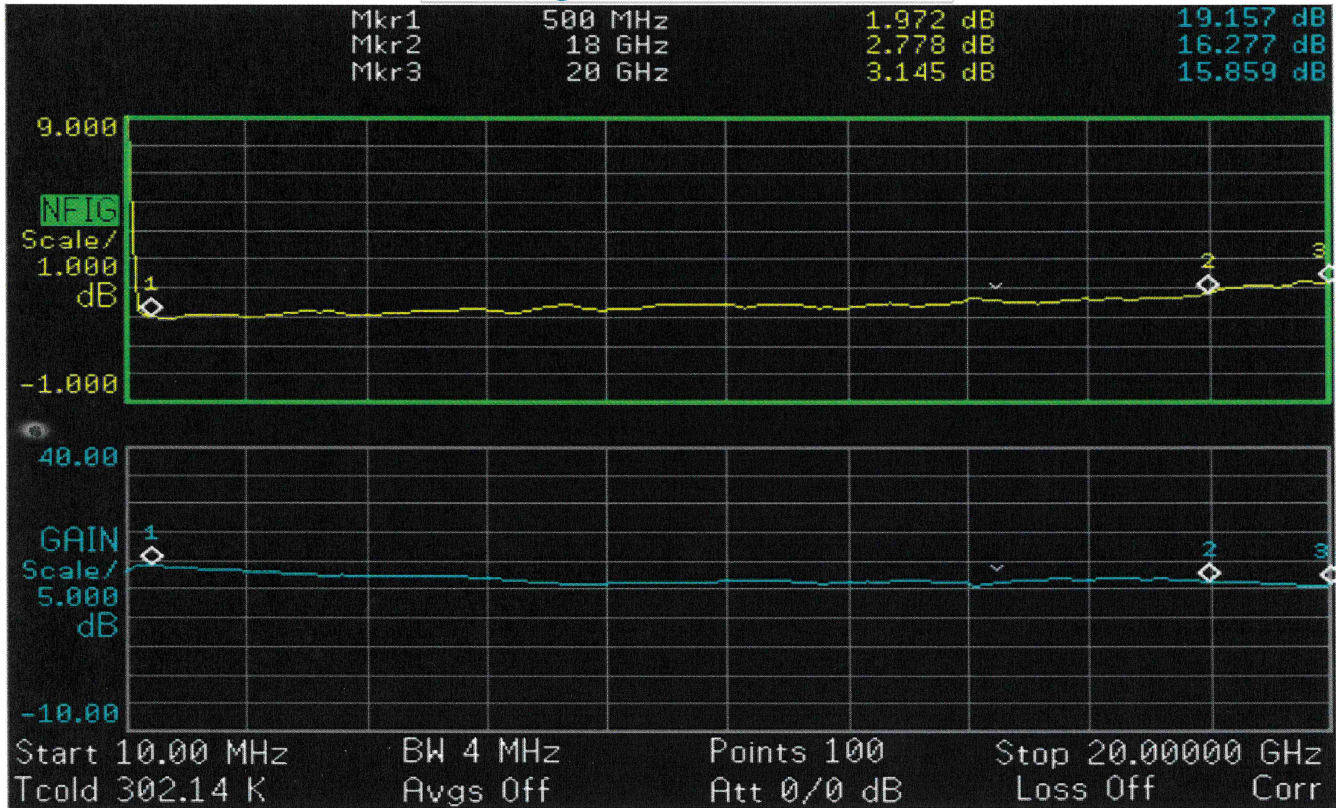
QA/QC Approval: _____

Date: 4-15-25

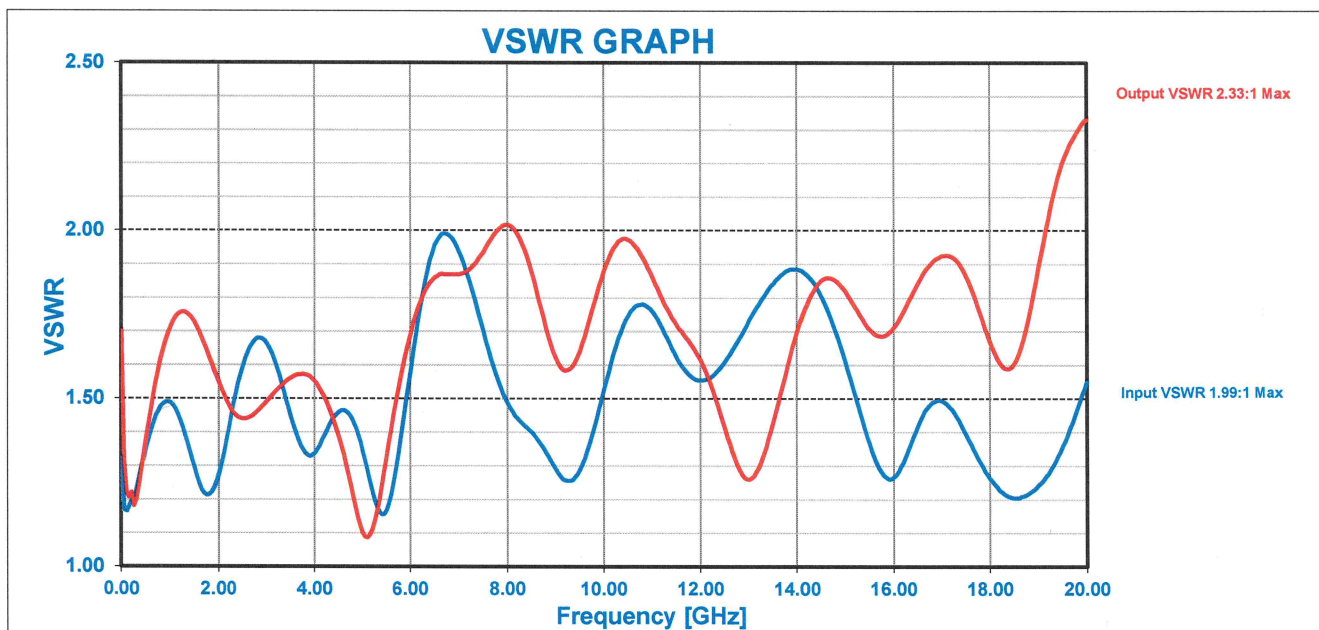
7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com



Noise Figure 10MHz to 20GHz



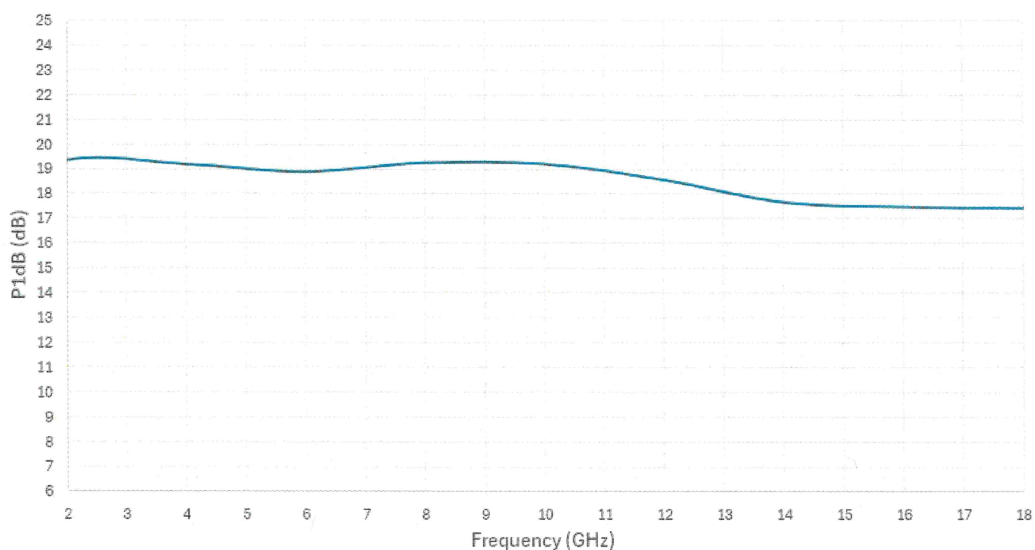
SUMMARY TEST DATA ON PEC-30-10M20-SFF



Freq	P1dB	Psat
GHz	dBm	dBm
0.01	17.60	18.38
2	19.35	19.85
4	19.19	19.68
6	18.90	19.47
8	19.26	19.77
10	19.21	19.67
12	18.58	19.11
14	17.69	18.59
16	17.50	18.39
18	17.46	18.3098
20	17.61	18.6597

P1dB @ 17.5 dBm

P1dB @ 17.5 dBm



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

P_{sat} @ 18.38 dBm

