

**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: 3/11/2025

Serial No: PL51722/2511

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 QA
2	Gain:	26 dB Min. (10 MHz to 18 GHz) 28 dB Min. (18 GHz to 20 GHz)	27.47 dB Min. 28.83 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)	±1.10 dB ±0.56 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)	1.9 dB 2.8 dB 3.2 dB See Plot	
5	OP1dB:	+13.5 dBm Min. (10 MHz to 18 GHz) +12 dBm Min. (18 GHz to 20 GHz)	16.9 dBm 16.3 dBm See Plot	
7	VSWR Input	2:1 Max. (10 MHz to 18 GHz) 2.2:1 Max. (18 GHz to 20 GHz)	1.69:1 / 1.86:1 See Plot	
8	VSWR Output:	2.1:1 Max. (10 MHz to 18 GHz) 2.4:1 Max. (18 GHz to 20 GHz)	1.96:1 / 1.74:1 See Plot	
9	DC Supply:	+12 to +15 VDC @ 170 mA MAX.	141.2 mA	

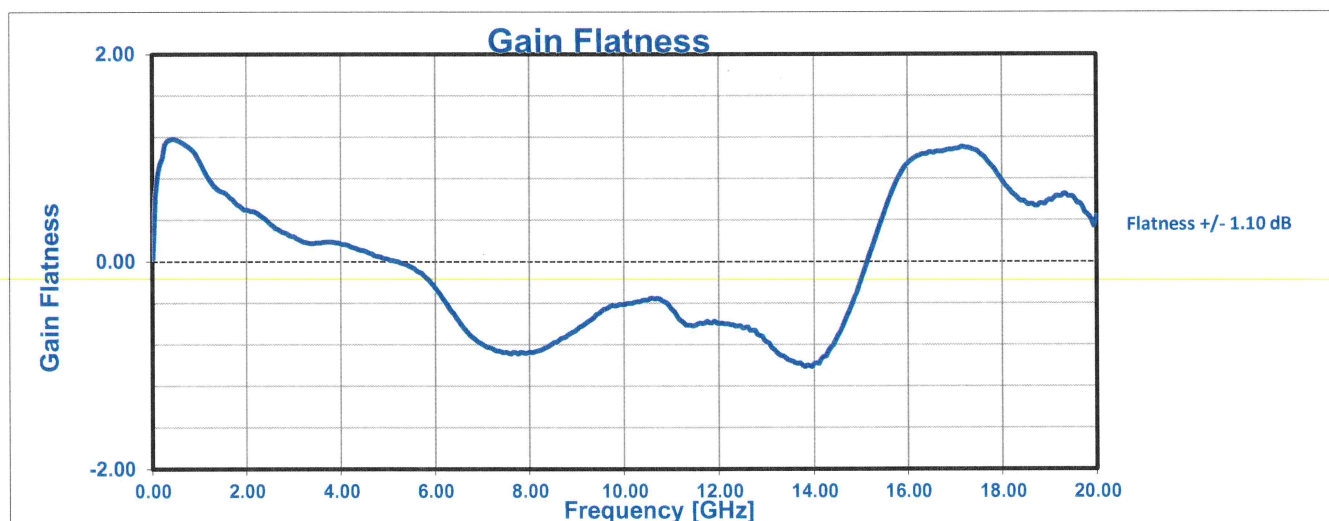
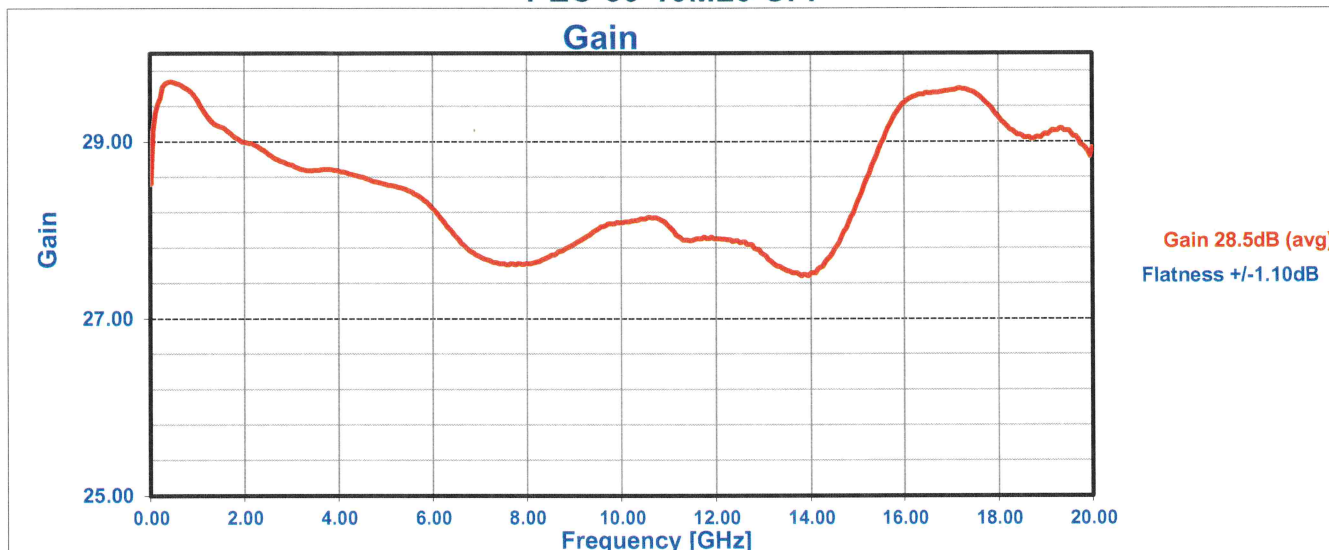
6	Psat	+15 dBm Min. (10 MHz to 18 GHz) +13 dBm Min. (18 GHz to 20 GHz)	17.5 dBm 17.2 dBm See Plot	
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QA/QC Approval:

K. Klammer

Date:

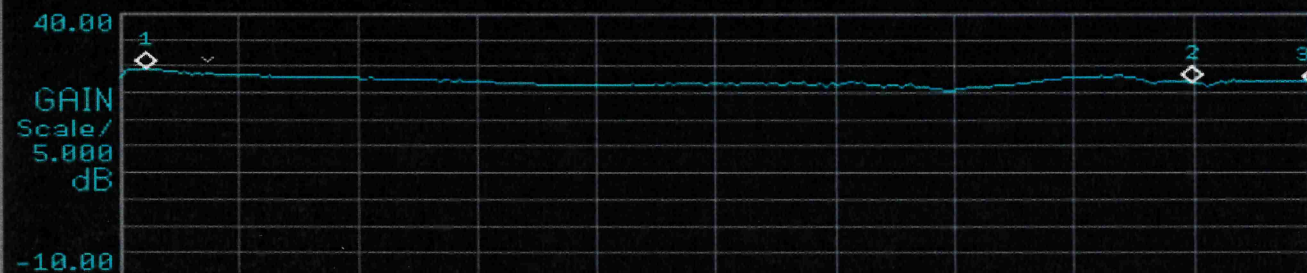
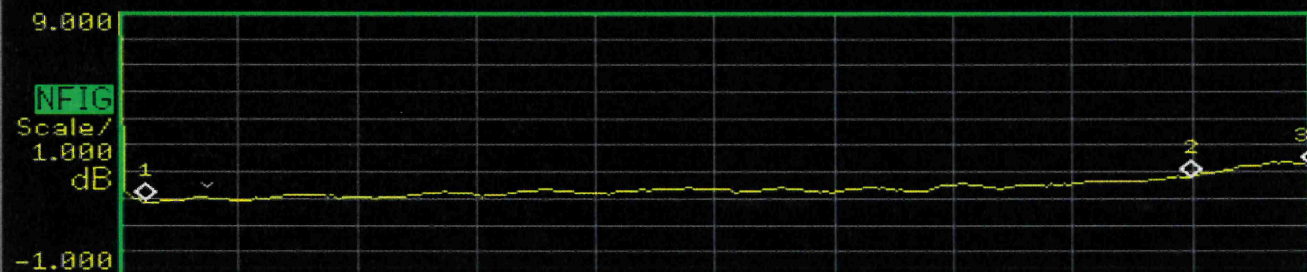
3-18-25



Agilent 09:44:48 Mar 14, 2025

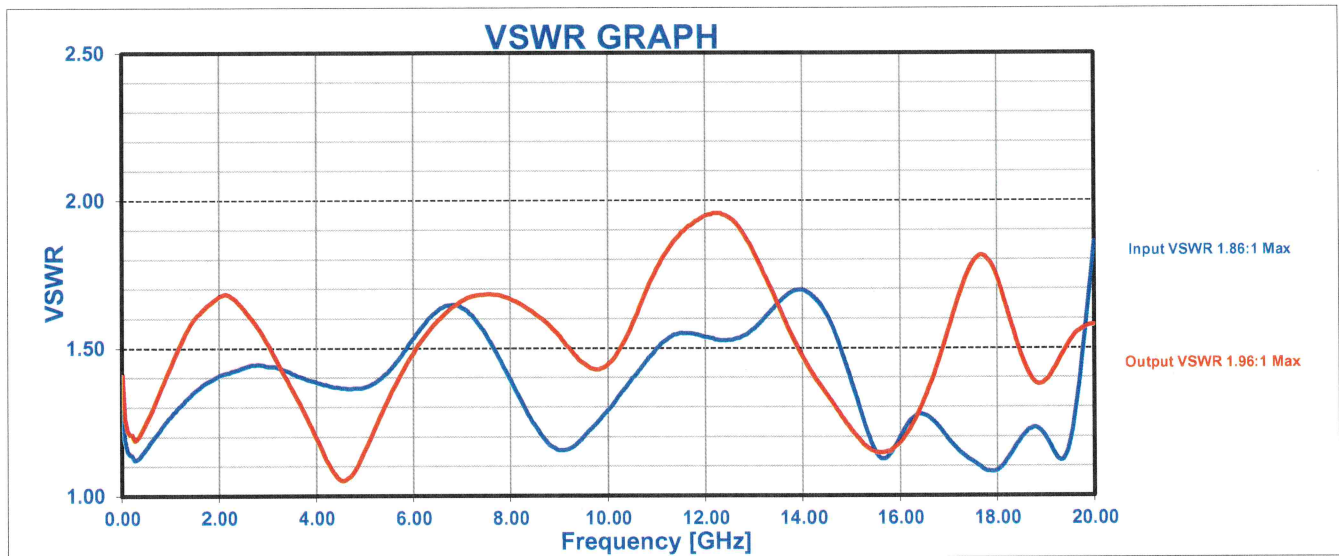
Noise Figure 10MHz to 20GHz

Mkr1	500 MHz	1.881 dB	29.376 dB
Mkr2	18 GHz	2.811 dB	26.960 dB
Mkr3	20 GHz	3.210 dB	26.599 dB



Start 10.00 MHz BW 4 MHz Points 200 Stop 20.00000 GHz
Tcold 298.90 K Avgs Off Att 5/0 dB Loss Off Corr

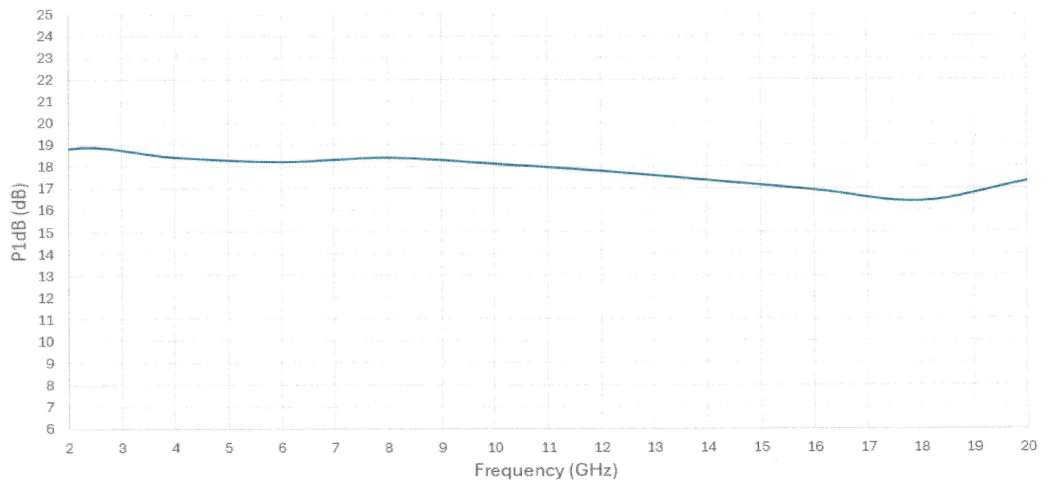
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Freq	P1dB	Psat
GHz	dBm	dBm
0.01	16.95	18.20
2	18.84	19.38
4	18.44	19.25
6	18.22	19.16
8	18.42	19.26
10	18.13	19.09
12	17.79	18.36
14	17.36	17.86
16	16.91	17.55
18	16.39	17.2384
20	17.32	17.955

P1dB @ 16.91 dBm

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