

**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: PL52443/2516

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 QAS
2	Gain:	26 dB Min. (10 MHz to 18 GHz) 28 dB Min. (18 GHz to 20 GHz)	26.46 dB Min 28.45 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)	±1.28 dB ±0.88 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 3.2 dB See Plot	
5	OP1dB:	+13.5 dBm Min. (10 MHz to 18 GHz) +12 dBm Min. (18 GHz to 20 GHz)	16.4 dBm 16.4 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 / 1.82:1 See Plot	
8	VSWR Output:	2.1:1 Max. (10 MHz to 18 GHz) 2.4:1 Max. (18 GHz to 20 GHz)	2.06:1 / 2.30:1 See Plot	
9	DC Supply:	+12 to +15 VDC @ 170 mA MAX.	140.7 mA	

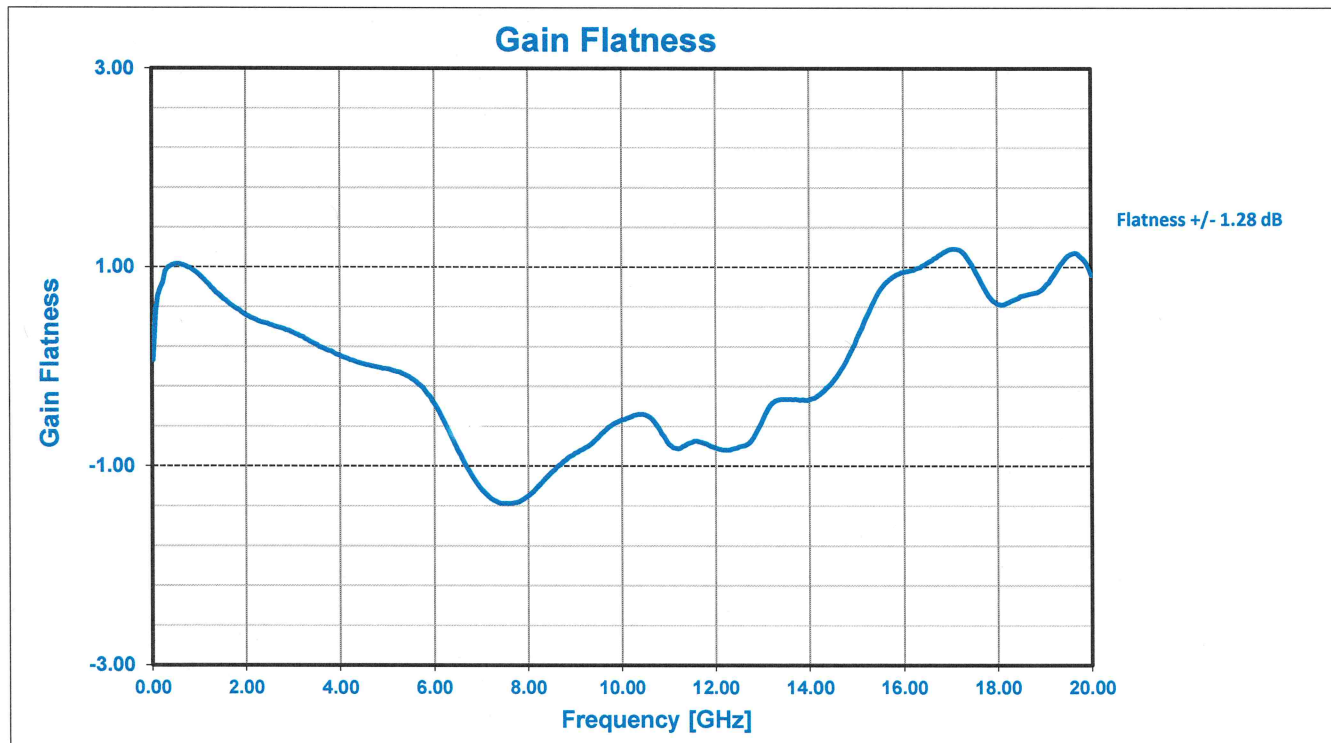
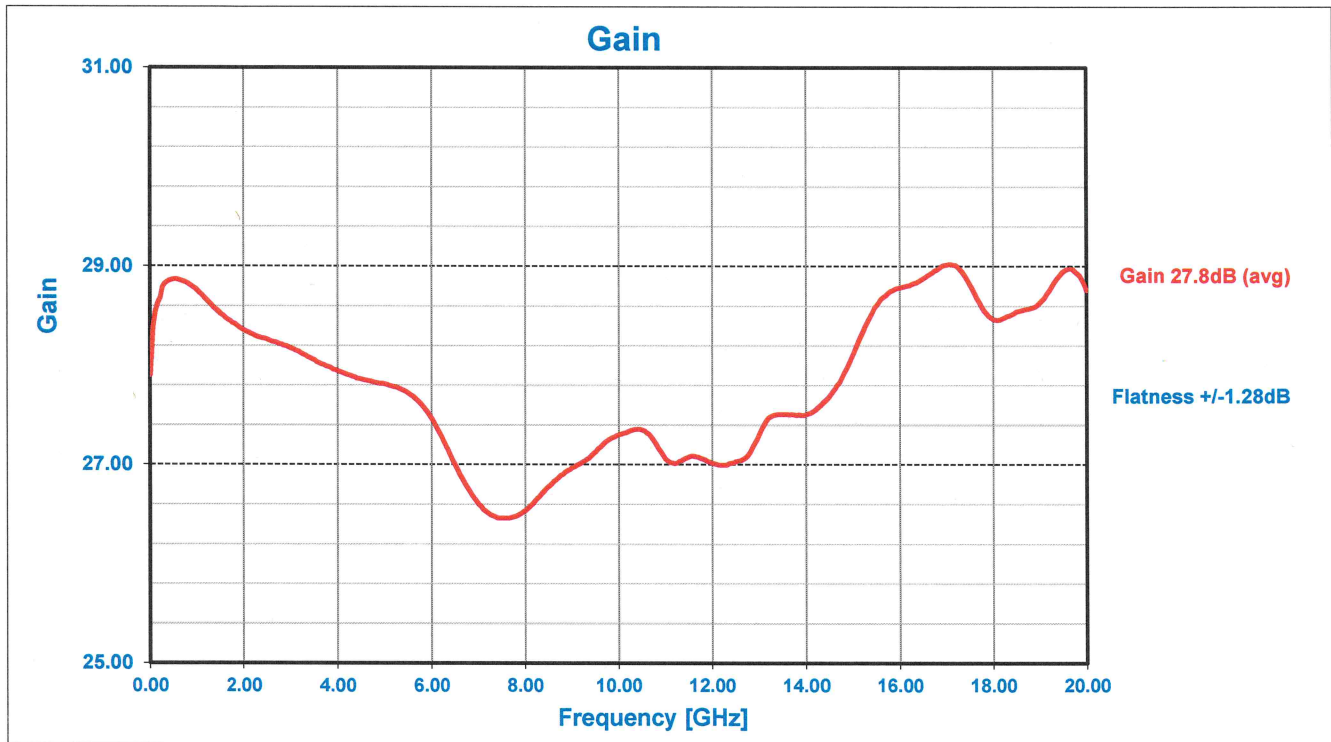
6	Psat	+15 dBm Min. (10 MHz to 18 GHz) +13 dBm Min. (18 GHz to 20 GHz)	17.4 dBm 17.2 dBm See Plot	1
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QA/QC Approval: _____

K. Klamm

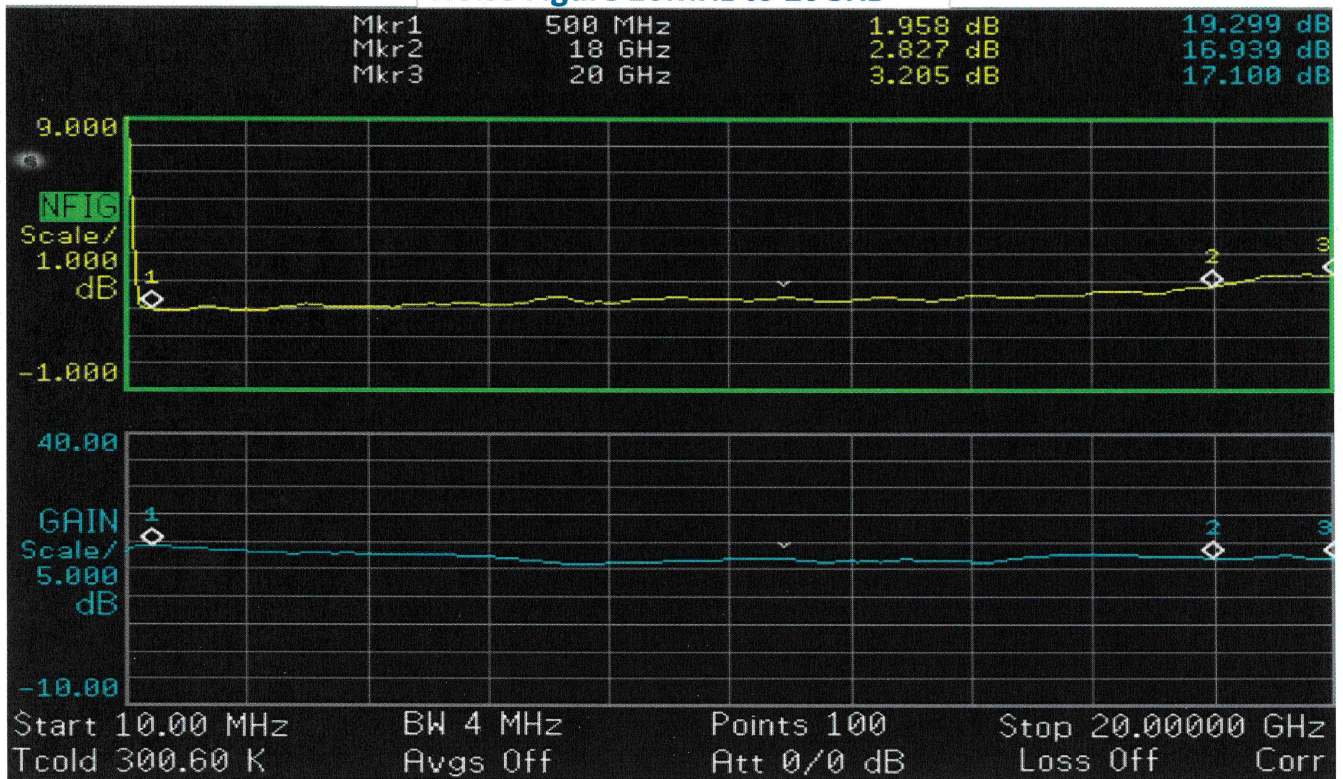
Date: _____

4-15-25

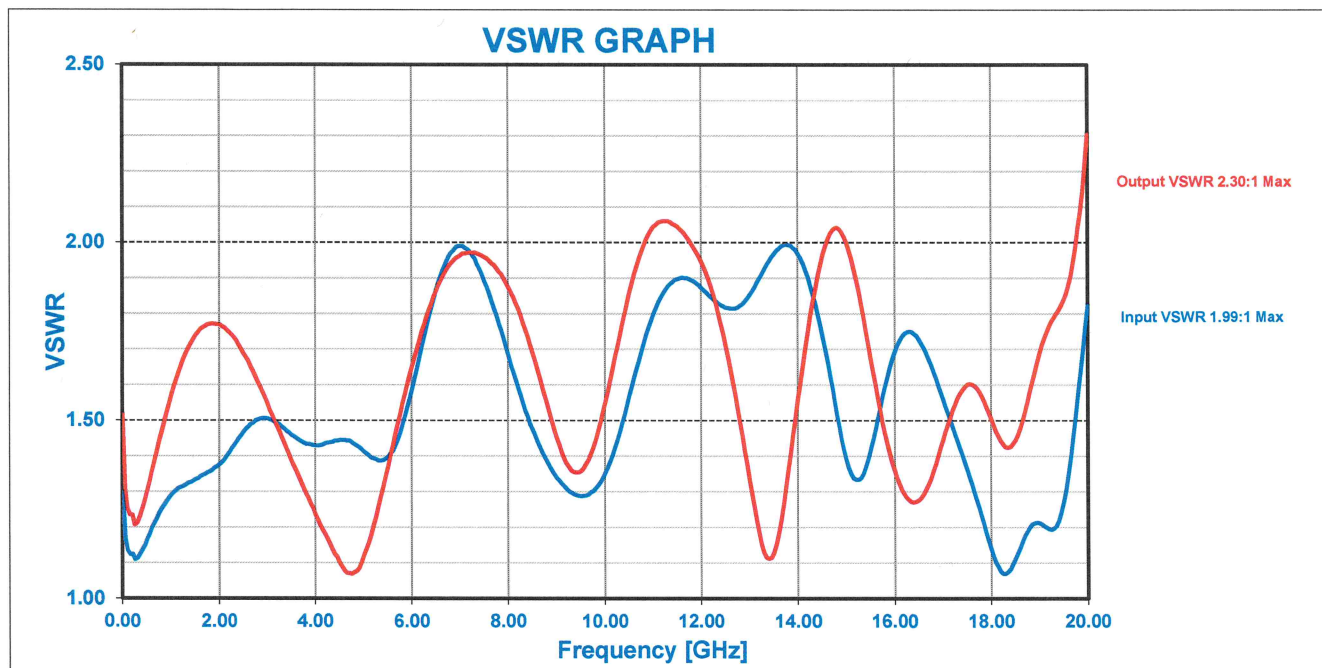


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Noise Figure 10MHz to 20GHz



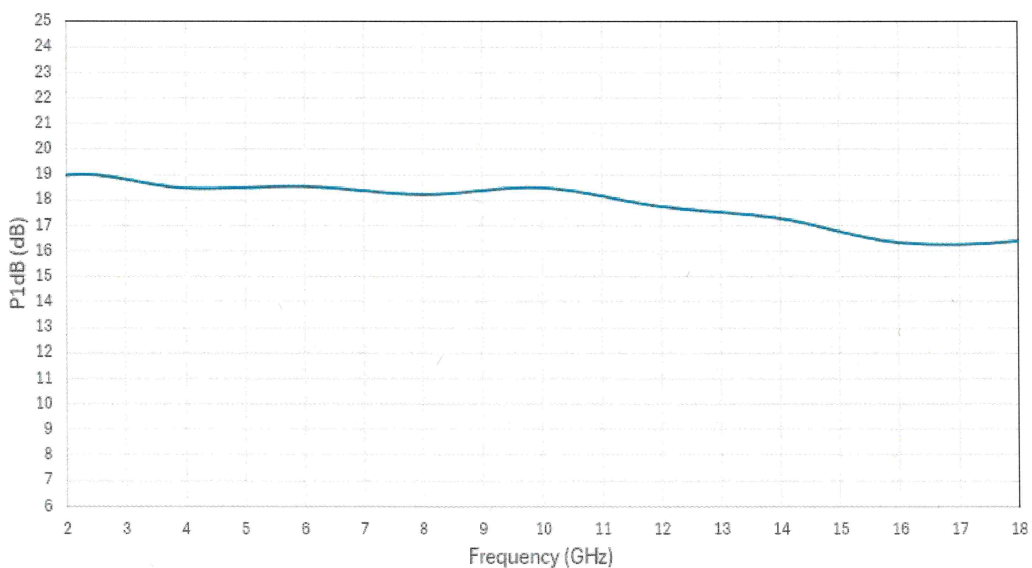
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Freq	P1dB	Psat
GHz	dBm	dBm
0.01	17.39	18.11
2	18.97	19.47
4	18.47	19.31
6	18.54	19.08
8	18.23	19.29
10	18.49	19.30
12	17.76	18.72
14	17.30	17.96
16	16.35	17.38
18	16.41	17.18131
20	17.31	18.24919

P1dB @ 16.35 dBm

P1dB @ 16.35 dBm



**SUMMARY TEST DATA
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Psat @ 17.38 dBm

