

**SUMMARY TEST DATA
ON
PLNA-30-10M20-SFF-DCSMA**

Customer: _____
SO No: _____
Model No: PLNA-30-10M20-SFF-DCSMA
Serial No: PL46309/2421

Tested By: K. Mansfield
Temperature: +25°C
Date: 5/24/2024
Drawing No: 27645100 REV: A1

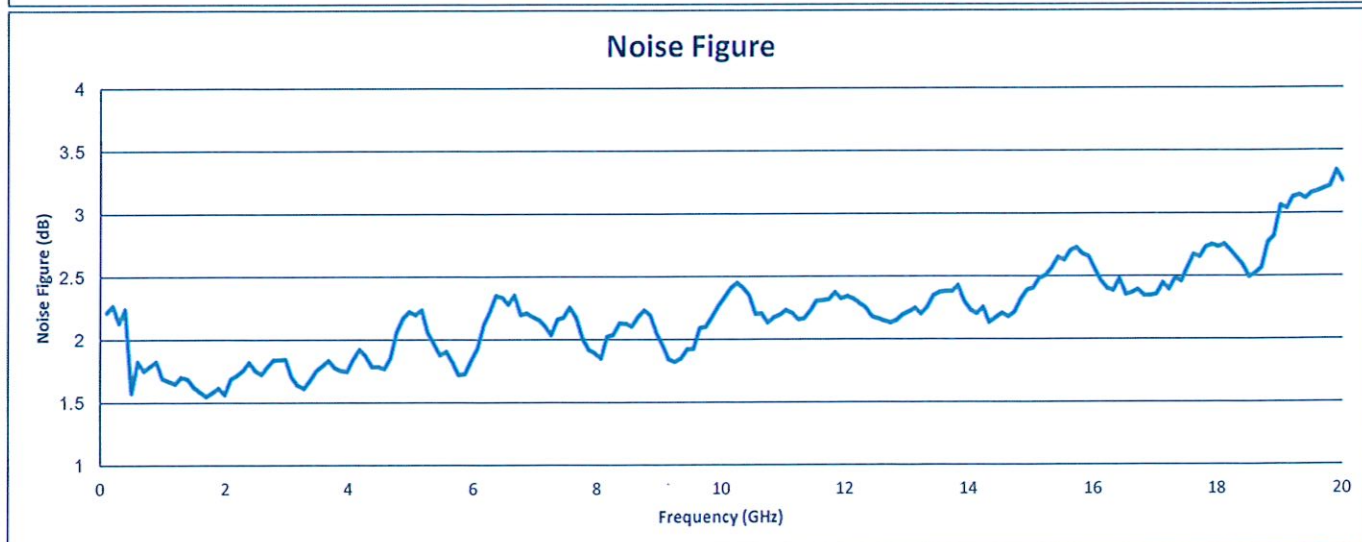
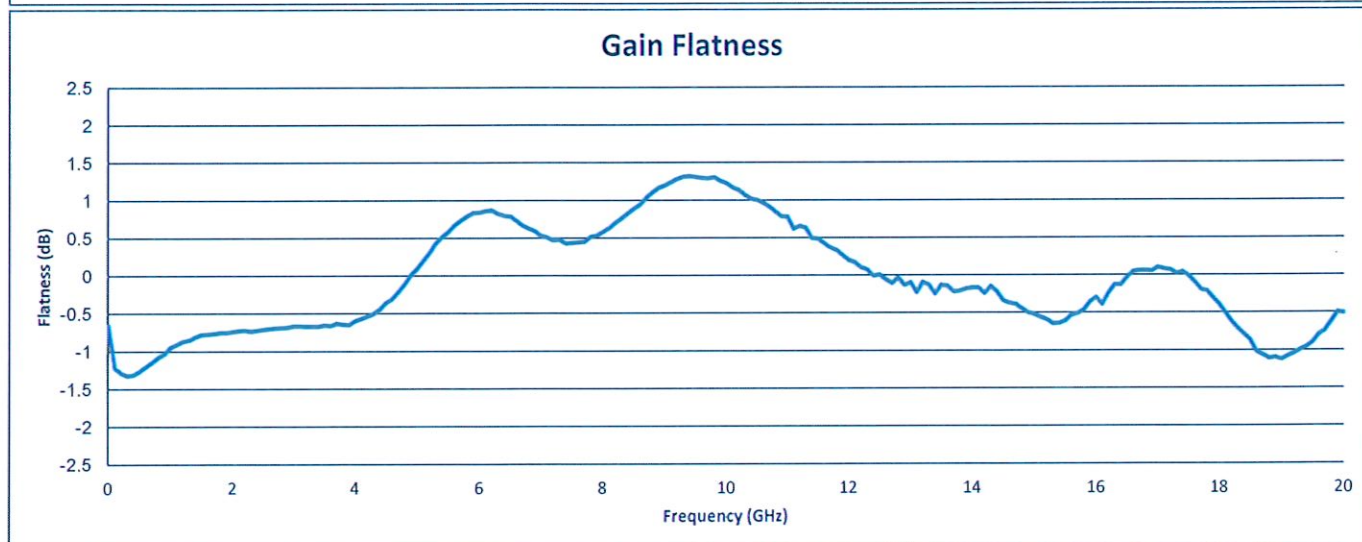
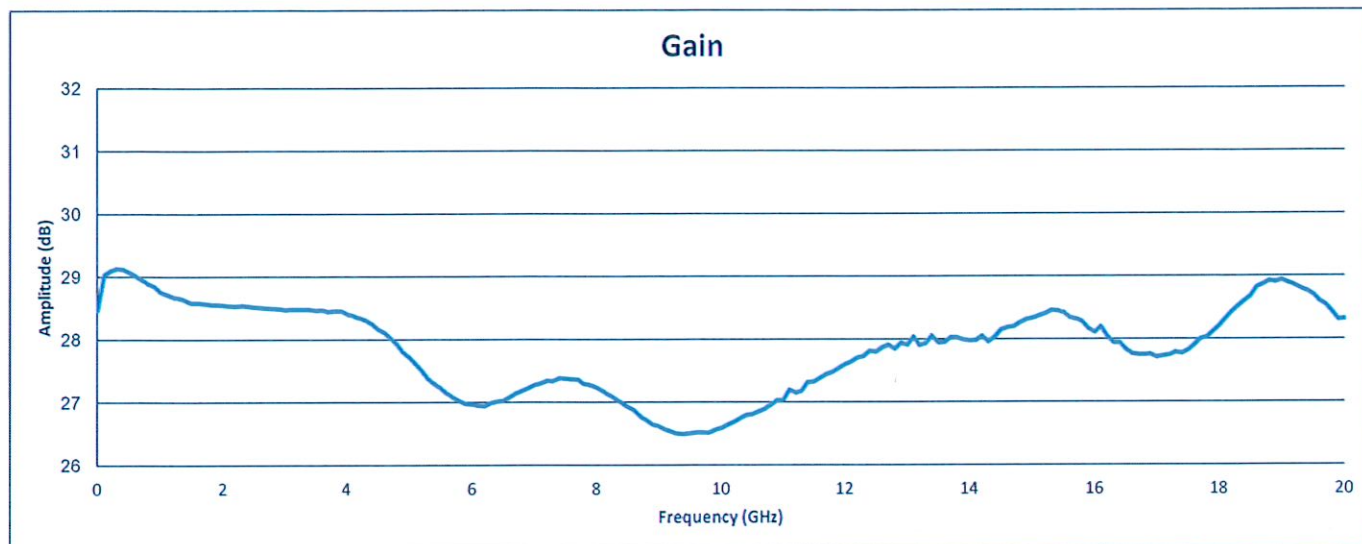
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	10 MHz to 20.0 GHz	10 MHz to 20.0 GHz	PMI QA4
2	Gain:	+26 dB Min. (10 MHz to 18 GHz) +28 dB Min. (18 GHz to 20 GHz)	+26.5 dB +28.2 dB See Plot	
3	Gain Flatness:	±2.0 dB Max. (10 MHz to 20 GHz)	±1.32 dB See Plot	
4	Noise Figure:	3.5 dB Max. (0.1 GHz to 0.5 GHz) 3.5 dB Max. (0.5 GHz to 18 GHz) 4.0 dB Max. (18 GHz to 20 GHz)	2.27 dB 2.75 dB 3.34 dB See Plot	
5	OP1dB:	+14 dBm Min. (10 MHz to 18 GHz) +13 dBm Min. (18 GHz to 20 GHz)	+14.7 dBm +14.4 dBm See Plot	
6	Psat:	+15 dBm Min. (10 MHz to 18 GHz) +14 dBm Min. (18 GHz to 20 GHz)	+16.4 dBm +17.1 dBm See Plot	
7	OIP3:	+20 dBm Min. (10 MHz to 20 GHz)	See Typical Characteristics	
8	VSWR Input:	+2.0:1 Max. (10 MHz to 18 GHz) +2.2:1 Max. (18 GHz to 20 GHz)	1.94:1 1.8:1 See Plot	
9	VSWR Output:	+2.1:1 Max. (10 MHz to 18 GHz) +2.4:1 Max. (18 GHz to 20 GHz)	2.08:1 1.57:1 See Plot	
10	Second Harmonics:	40 dBc Typ. 30 dBc Min. 12 dBc Min. (at P1dB) 12 dBc Typ. (+5 dBm Over P1dB) 12 dBm Typ. (+10 dBm Over P1dB) 12 dBm Typ. (+15 dBm Over P1dB)	See Typical Characteristics	
11	Reverse Isolation:	36 dB Min. (10 MHz to 18 GHz) 35 dB Min. (18 GHz to 20 GHz)	36.8 dB 39.7 dB See Plot	
12	DC Supply	+6 VDC @ 120 mA Max.	128 mA	PMI QA4

QA/QC Approval: _____

Cameron Velenz

Date: 5/24/24

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