



**SUMMARY TEST DATA
ON
PEC-42-500M40G-20-12-292MF-BG**

Customer: _____
SO No: _____
Model No: PEC-42-500M40G-20-12-292MF-BG
Serial No: PL34914/2149

Tested By: J Boze
Temperature: +25°C
Date: 12/8/2021
Drawing No: 27642680 REV: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	500 MHz - 40 GHz	500 MHz - 40 GHz	PMI QA3
2	Gain:	40 dB Typ. 36 dB Min.	+41.5 dB Max. +37.4 dB Min. See Plot	
3	Gain Flatness:	±2.5 dB Typ.	±2.07 dB See Plot	
4	*Noise Figure:	5.5 dB Typ.	3.7 dB See Plot	
5	OP1dB:	+19 dBm Typ. (0.5-18 GHz) +17 dBm Typ. (18-40 GHz)	+17.2 dBm Typ. (0.5-18 GHz) +15.1 dBm Typ. (18-40 GHz) See Plot	
6	Psat:	+23 dBm Typ. (0.5-18 GHz) +20 dBm Typ. (18-40 GHz)	+20.5 dBm Typ. (0.5-18 GHz) +19 dBm Typ. (18-40 GHz) See Plot	
7	VSWR: (Input/Output)	2.0:1 / 2.5:1 Max.	1.74:1 In 1.85:1 Out See Plot	
8	Input Power Handling:	+17 dBm CW Max.	Pass	
9	DC Supply:	+12 to +15 VDC @ 450 mA Typ.	+12 to +15 VDC @ 420 mA	

*Up to 26.5 GHz

QA/QC Approval: H. Mouton

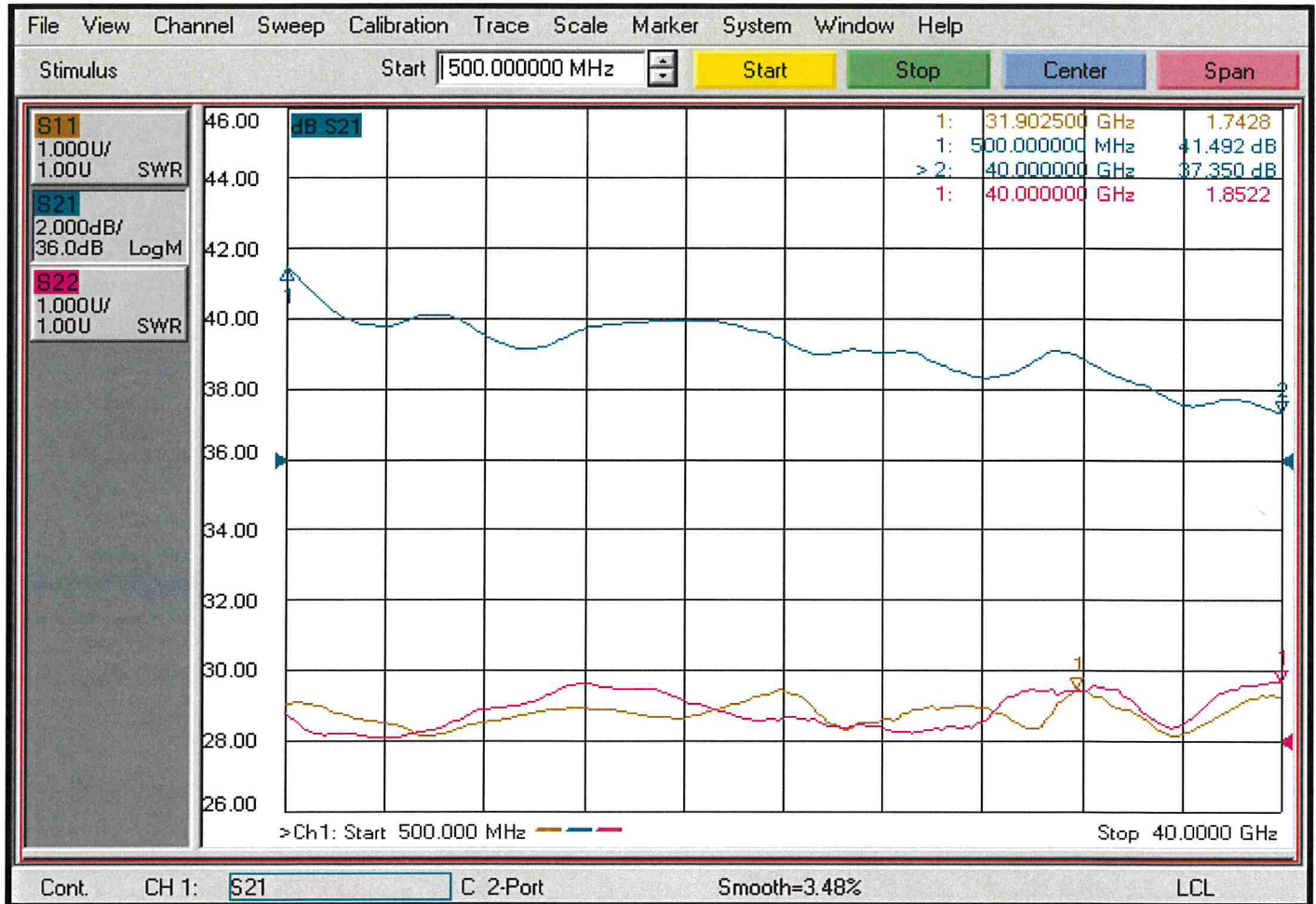
Date: 12-8-21



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Gain and VSWR Plot





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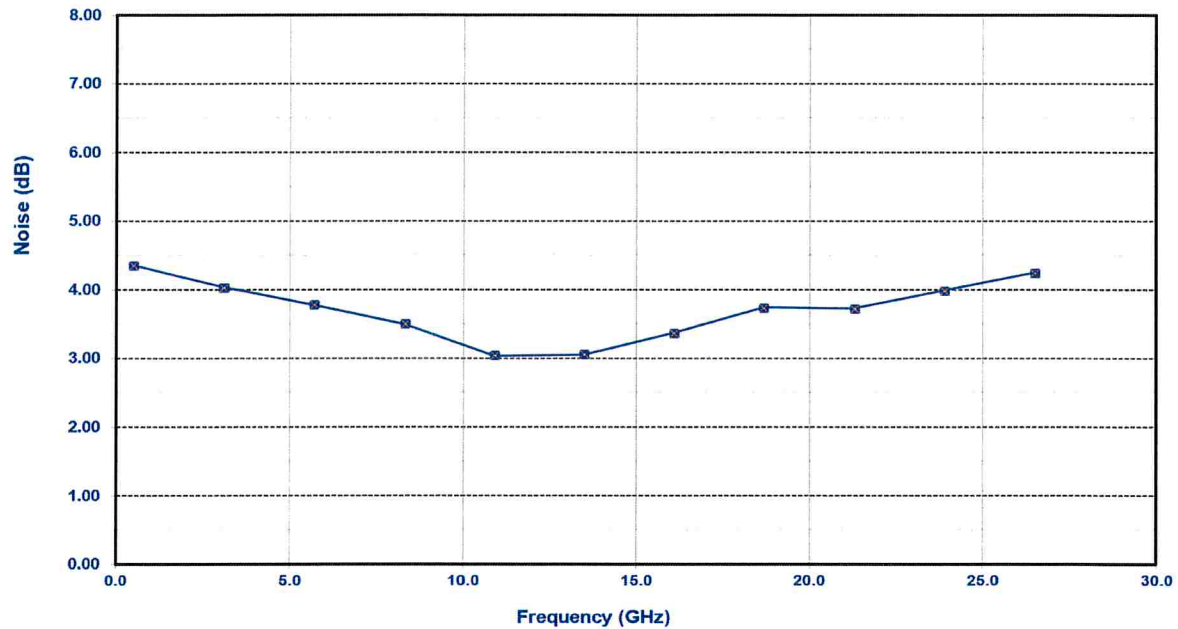
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Noise Figure Plot

Serial No: PL34914

Noise Figure

Avg. Noise Fig: 3.71 dB



OP1dB and PSAT Plot

Power Vs Frequency

