



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

Customer: _____
SO No: _____
Model No: PEC-42-500M40G-20-12-292FF-BG
Serial No: PL30871/2127

Tested By: J. Boze
Temperature: +25°C
Date: 7/8/2021
Drawing No: 26936000 REV: B1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC <i>PMI</i> <i>QA3</i>
1	Frequency Range:	500 MHz - 40 GHz	500 MHz - 40 GHz	
2	Gain:	40 dB Typ. 36 dB Min.	+41.9 dB Max. +39.6 dB Min. See Plot	
3	Gain Flatness:	±2.5 dB Typ.	±1.16 dB See Plot	
4	*Noise Figure:	5.5 dB Typ.	3.9 dB See Plot	
5	OP1dB:	+19 dBm Typ. (0.5-18 GHz) +17 dBm Typ. (18-40 GHz)	+18.1 dBm Typ. (0.5-18 GHz) +14.7 dBm Typ. (18-40 GHz) See Plot	
6	Psat:	+23 dBm Typ. (0.5-18 GHz) +20 dBm Typ. (18-40 GHz)	+21.5 dBm Typ. (0.5-18 GHz) +19.1 dBm Typ. (18-40 GHz) See Plot	
7	VSWR: (Input/Output)	2.0:1 / 2.5:1 Max.	1.88:1 In 1.96:1 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 @ 510 mA	<i>PMI</i> <i>QA3</i>

*Up to 26.5 GHz

QA/QC Approval: _____

A. Zimmerman

Date: _____

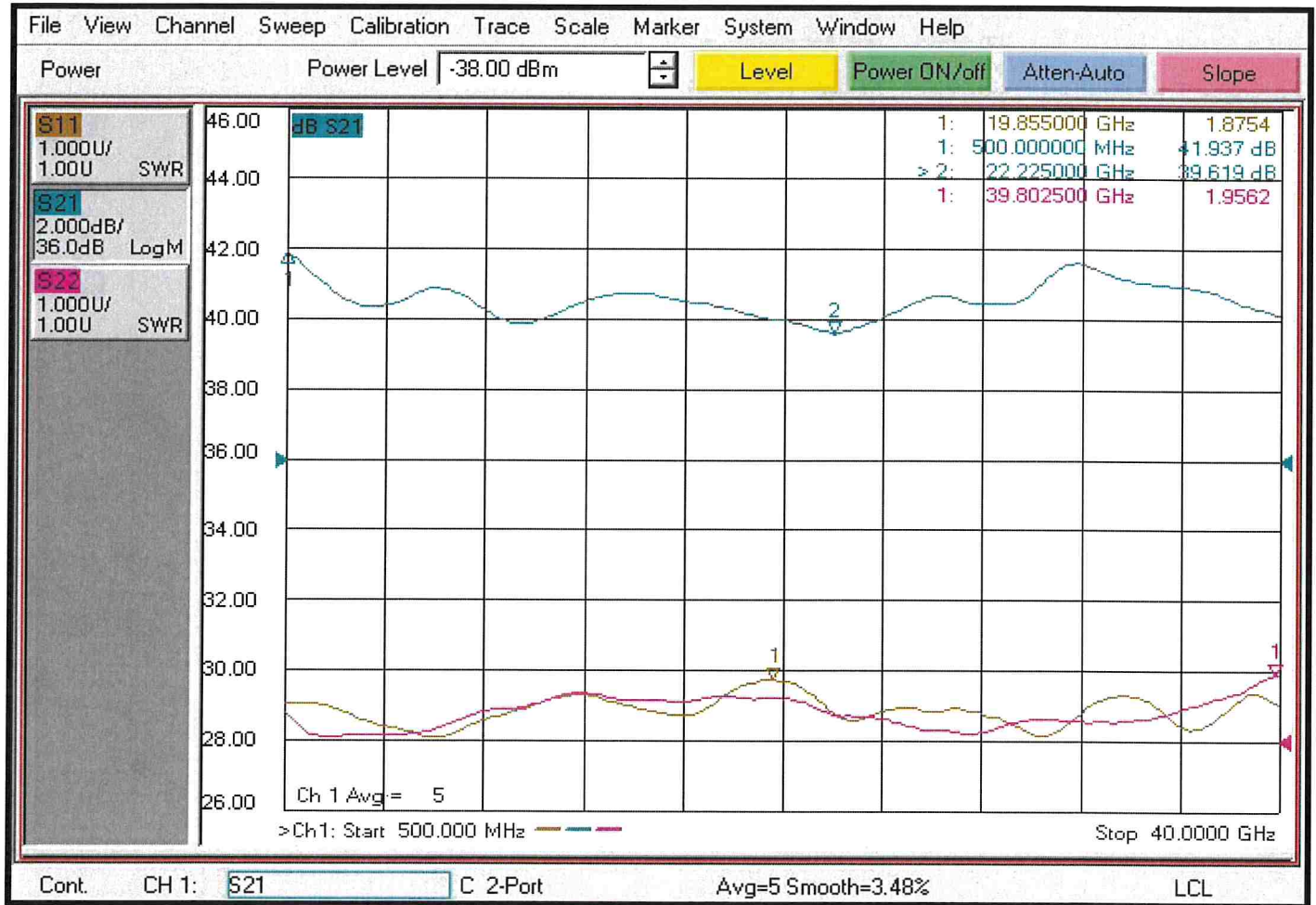
7-9-21



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Gain and VSWR Plot

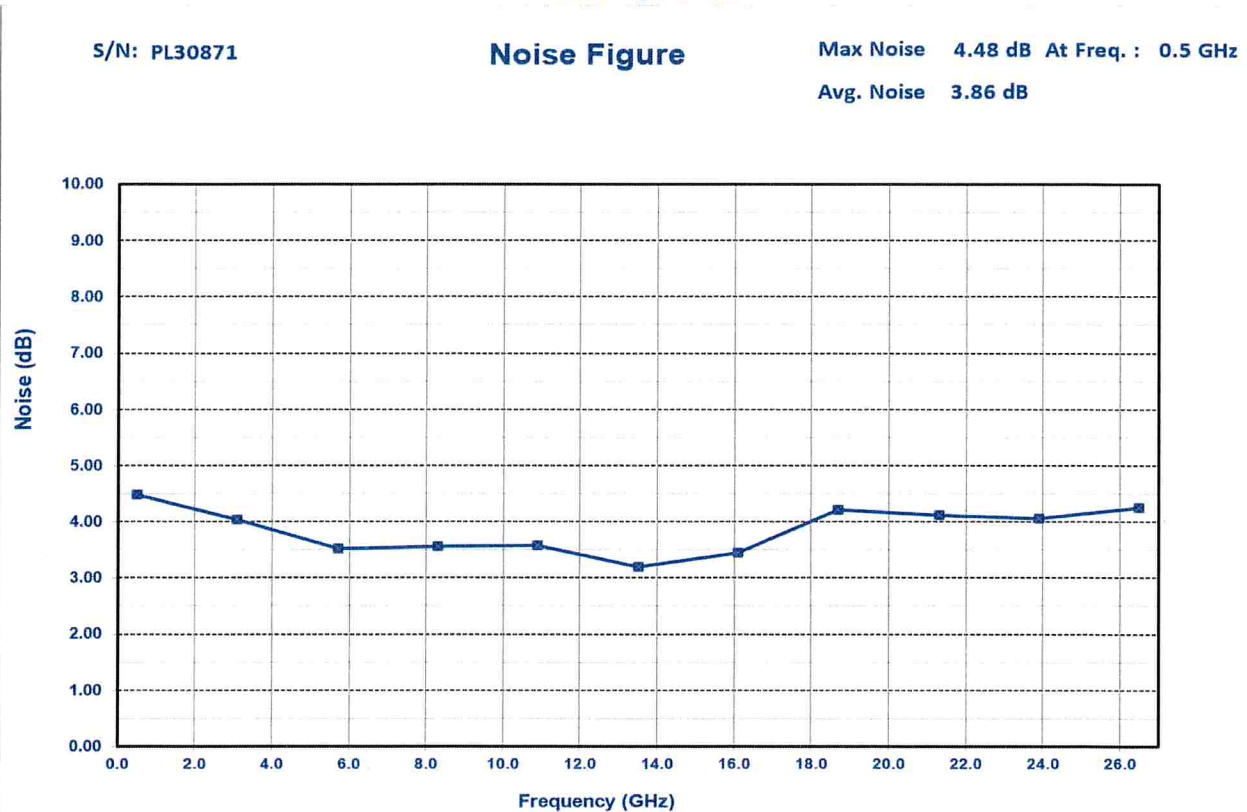




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Noise Figure Plot



OP1dB and PSAT Plot

