



**SUMMARY TEST DATA
ON
LNA-47-0R52-4-SFF**

Model No: LNA-47-0R52-4-SFF
Serial No: PL28924/2018

Tested By: J. Mattsson-Boze
Temperature: +25°C
Date: 5/13/2020
Drawing No: 27637680 REV: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	0.5 GHz - 2 GHz	0.5 GHz - 2 GHz	ab 5-19
2	Gain:	47 dB Min, 53 dB Max	52.4 dB Max 51.2 dB Min See Pl ot	↓
3	Gain Flatness:	±1.25 dB Max	±0.6 dB See Pl ot	
4	Noise Figure:	4 dB Max	1.6 dB See Pl ot	
5	Third Order Intercept Point:	+30 dBm Min	+33.1 dBm Min See Pl ot	
6	Output Power P1dB:	+20 dBm Min	+21.5 dBm See Pl ot	
7	Saturated Output Power:	+23 dBm Min	+25.0 dBm See Pl ot	
8	Harmonics:	-12dBc Max	-29.7 dBc	
9	Non-Harmonic Spurious:	-50 dBc Max	<-60 dBc	
10	VSWR: (Input/Output)	2.0:1 Max	1.9:1 In 1.8:1 Out See Pl ot	
11	DC Supply:	+15 VDC @ 600 mA Typ.	+15 VDC @ 650 mA	ab 5-19

QA/QC Approval:

Arthur Zimmerman

Date:

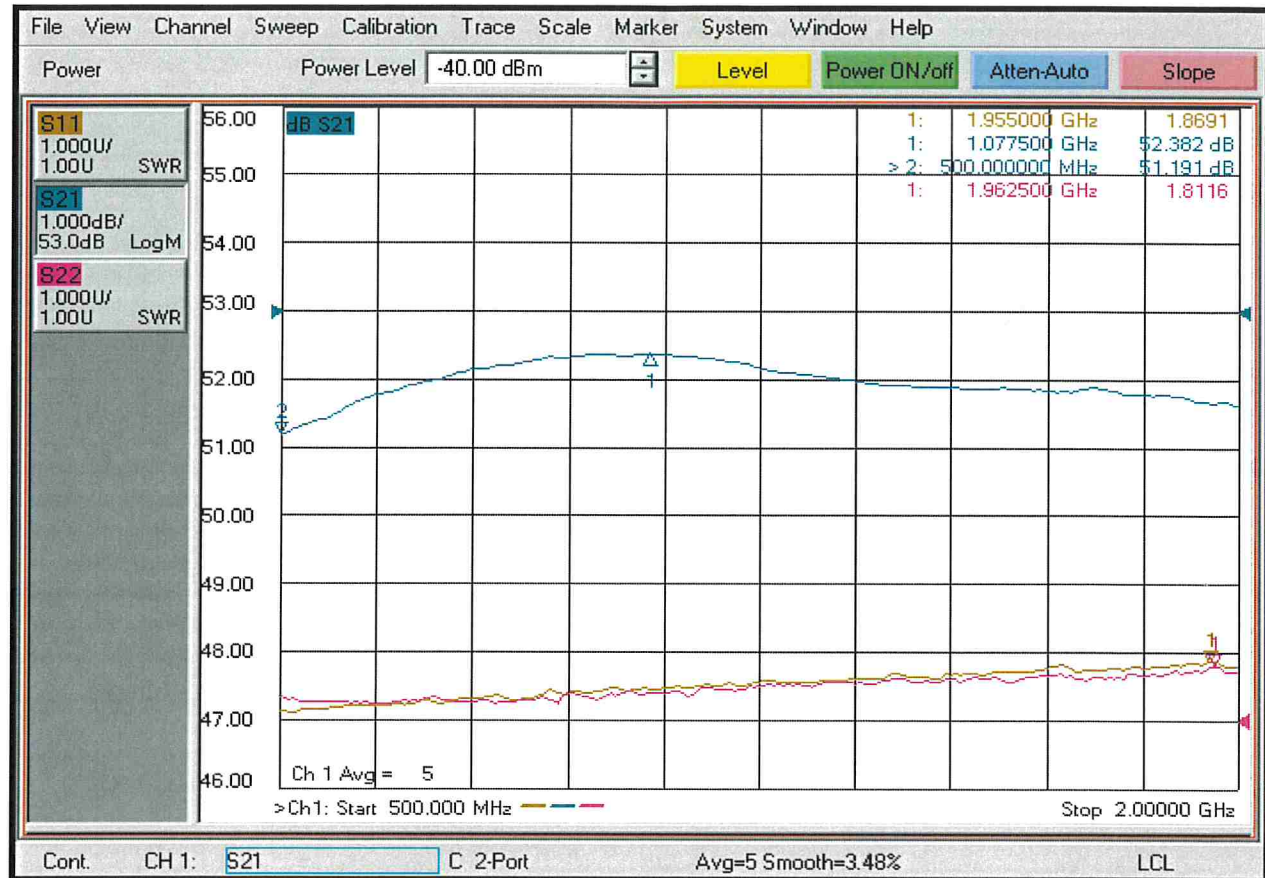
5-19-2020



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Gain and Gain Flatness Plot

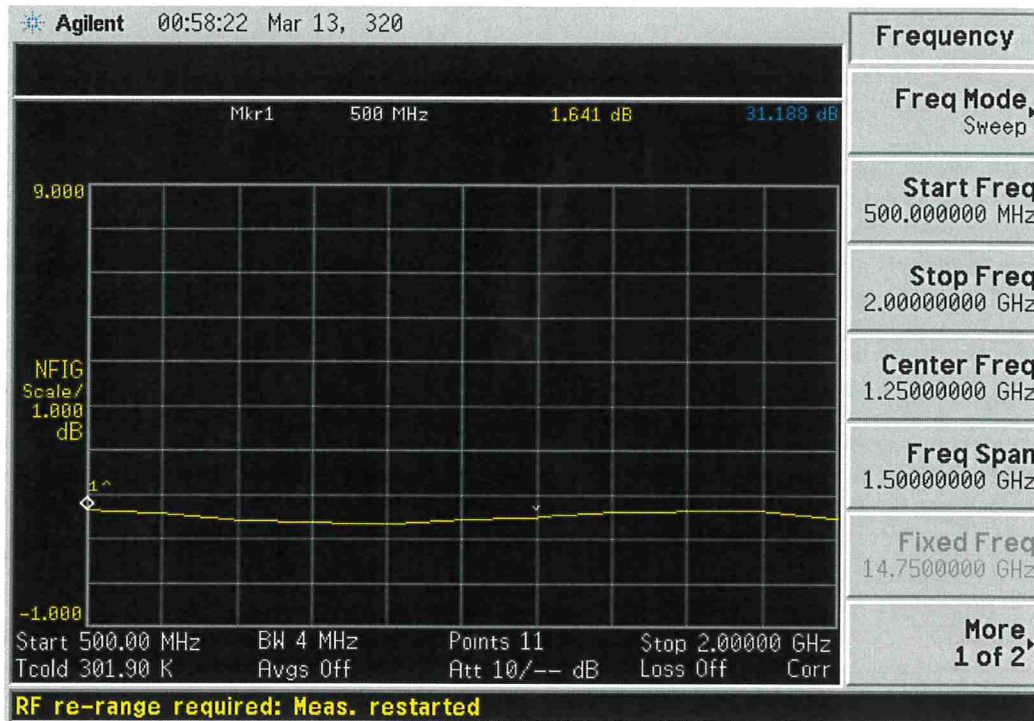




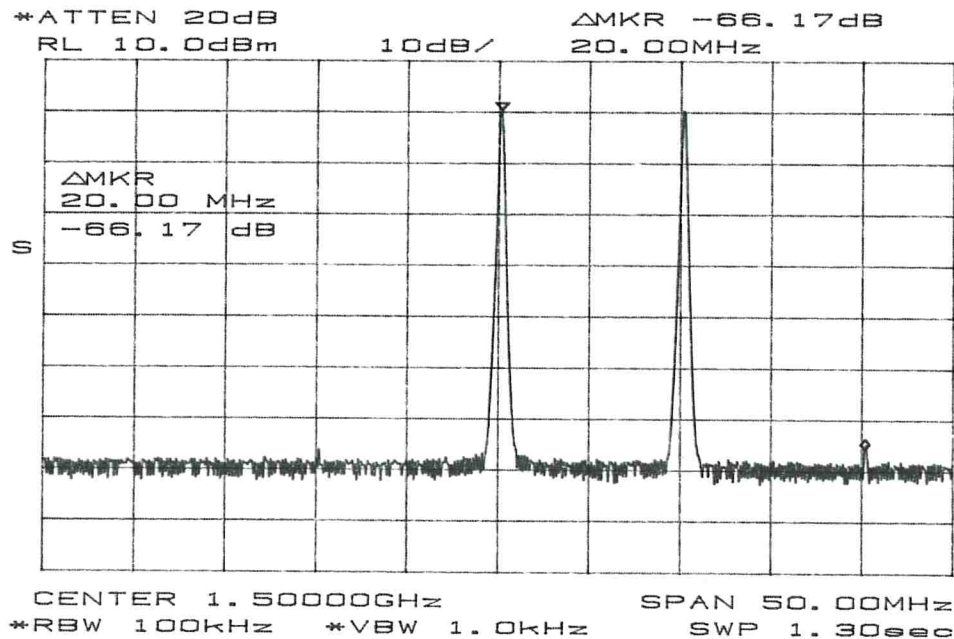
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Noise Figure Plot



Third Order Intercept Plot

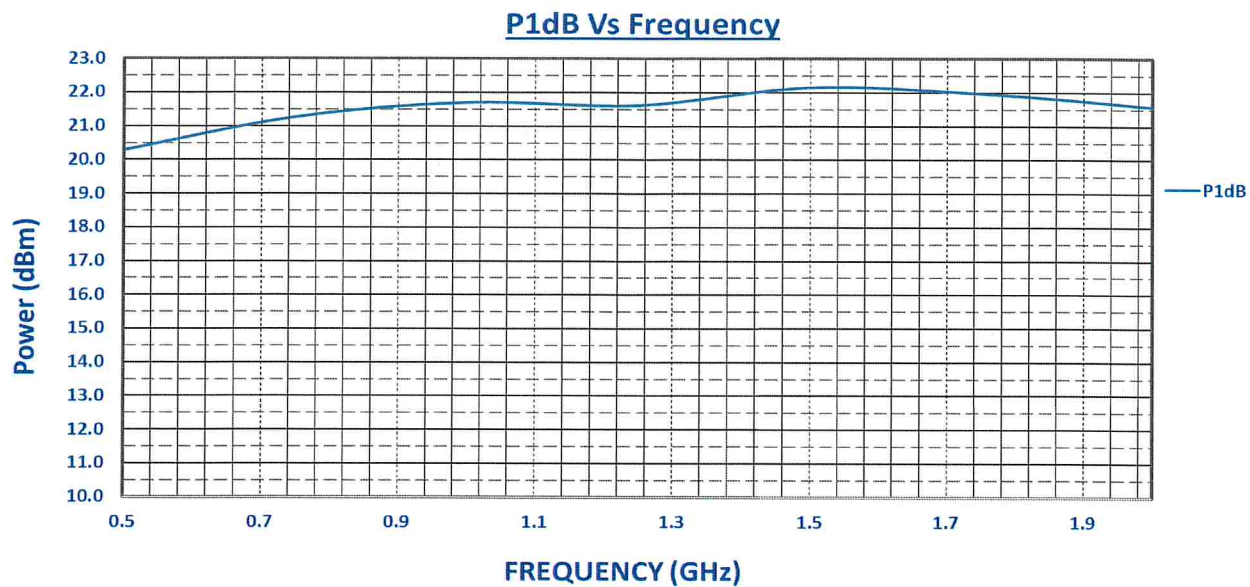




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OP1dB Plot:



PSAT Plot:

