



**SUMMARY TEST DATA
ON
PEC2-2G18G-80DB-21DBM-LM-SFF**

Customer: _____ Tested By: A. Lopez
 SO No: _____ Temperature: +25°C
 Model No: PEC2-2G18G-80DB-21DBM-LM-SFF Date: 09/02/17
 Serial No: PL21569/1735 Drawing No: 26924441 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	2.0 GHz to 18.0 GHz	2.0 GHz to 18.0 GHz See Plots	PMI QA2
2	Input Power:	-55 dBm to +10 dBm CW Typical	-55 - +10 dBm See Plots	
3	Saturated Output Power:	+21 dBm to 25 dBm Nominal	+22.28 - +25.89 dBm See Plots	
4	Output Power Variation:	+/-2.0 dBm Max. over operating temperature range	Pass	
5	OP1dB:	4 dBm below Psat typical	+18 dBm	
6	2 nd Harmonic Rejection:	-8 dBc @ Psat	-20.95 dBc	
7	3 rd Harmonic Rejection:	-9 dBc @ Psat	-13.01 dBc	
8	3 rd Order Intercept Point:	35 dBm – Design Goal	See Typical Characteristics	
9	VSWR Input/Output:	2.0:1 Max	1.80:1 See Plots	
10	Maximum RF Input Power:	+17 dBm CW	Pass	
11	DC Supply:	+15VDC* @ 700mA Max	+15VDC @ 670 mA	PMI QA2

*Including Reverse Polarity Protection and over voltage protection up to +/-25VDC

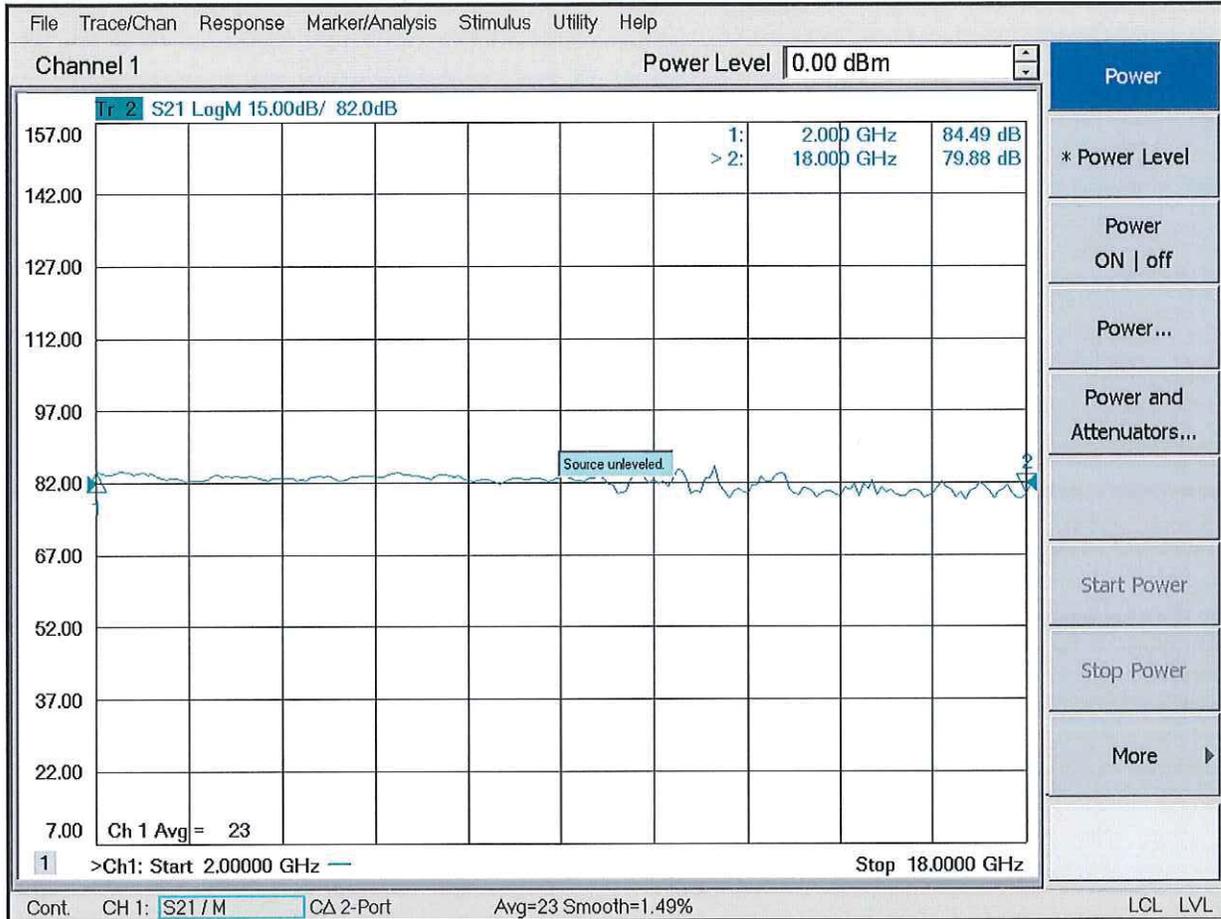
QA/QC Approval: *T. Delaney* PMI
QA2 Date: 9/5/17

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
 Email: sales@pmi-rf.com



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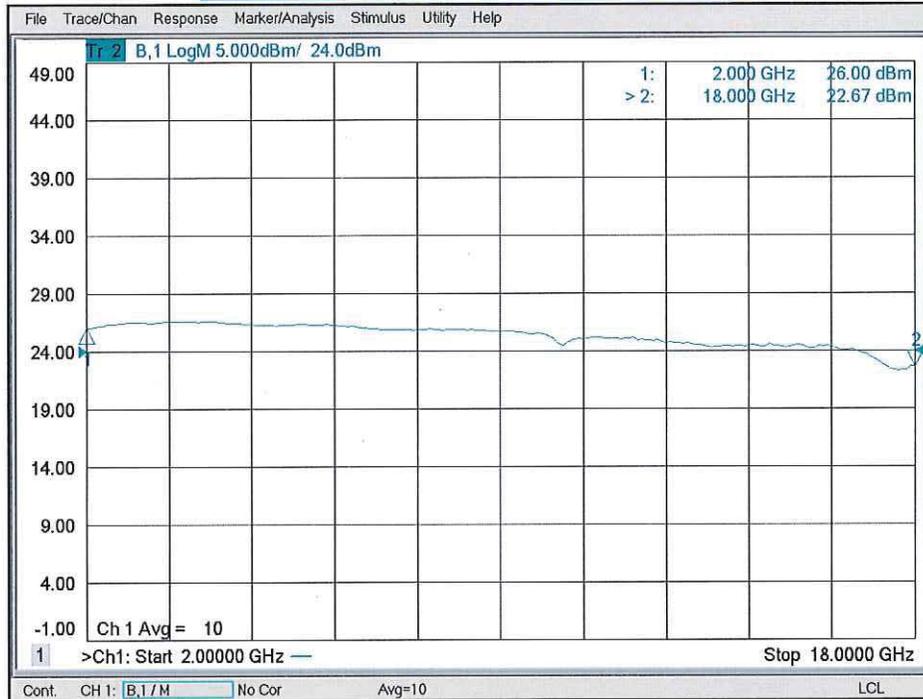
Gain



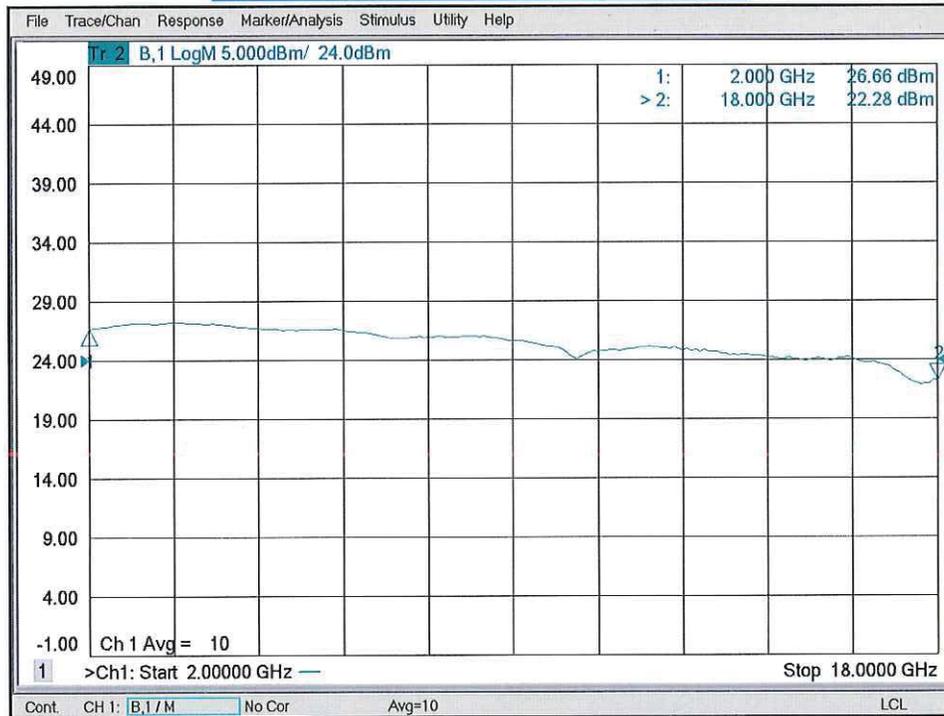


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Saturated Output Power @ -55 dBm



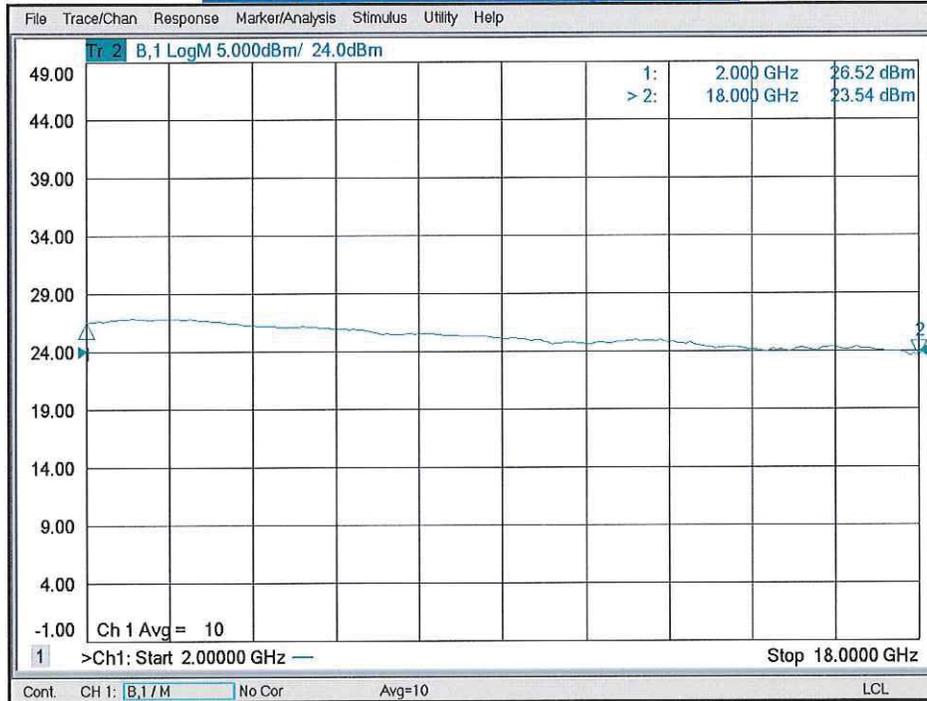
Saturated Output Power @ -40 dBm



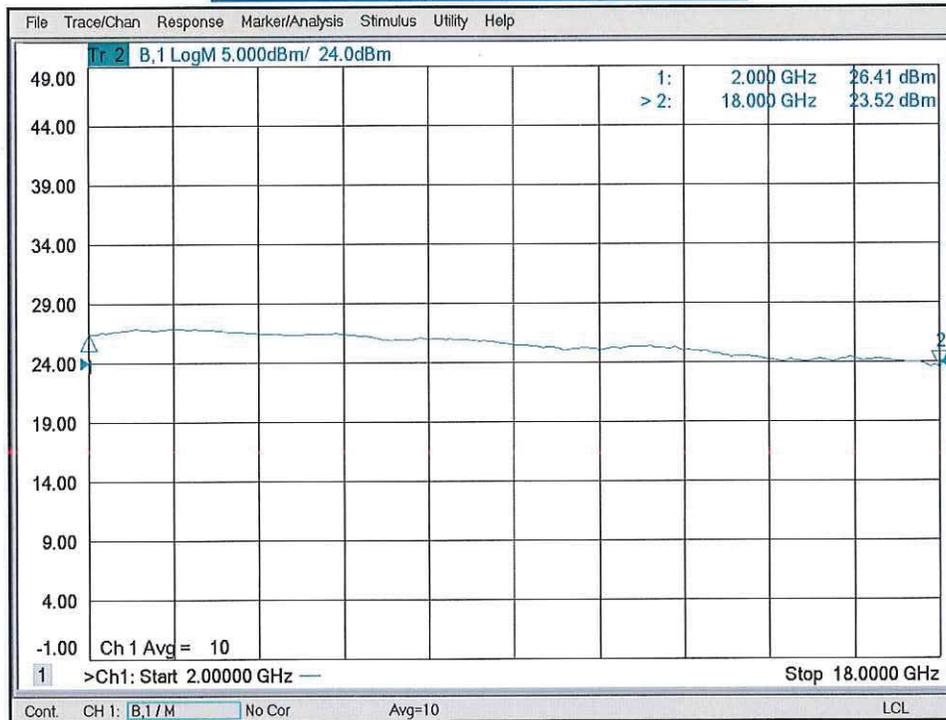


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Saturated Output Power @ -30 dBm



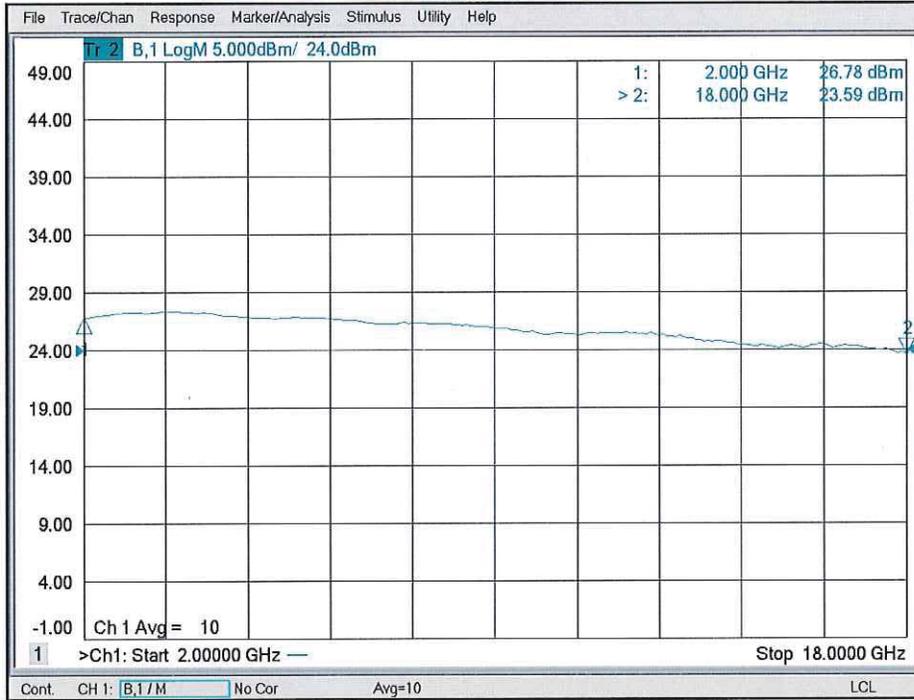
Saturated Output Power @ -20 dBm



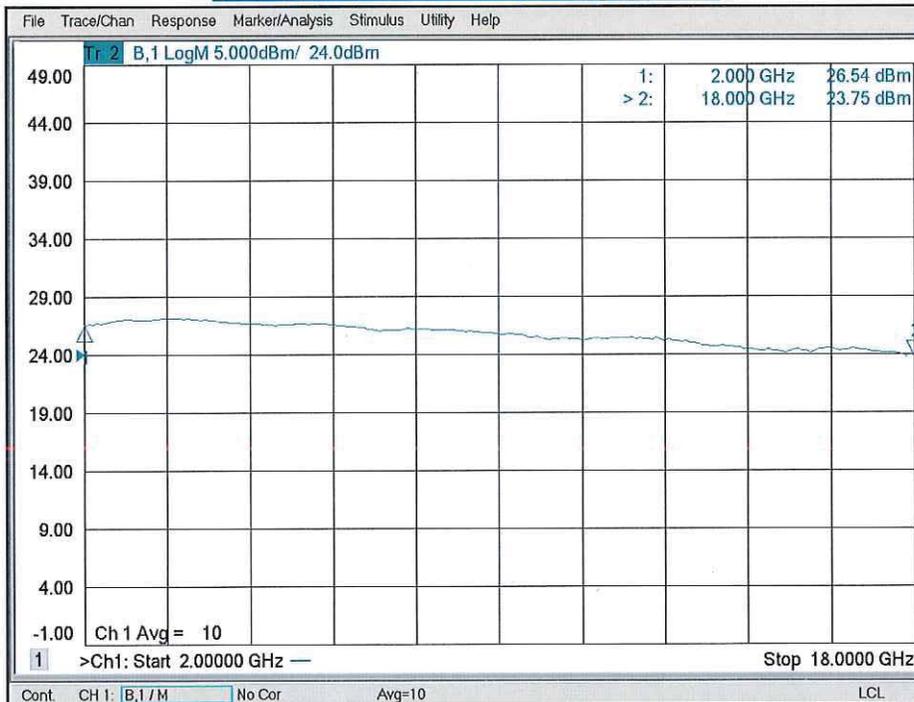


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Saturated Output Power @ -10 dBm



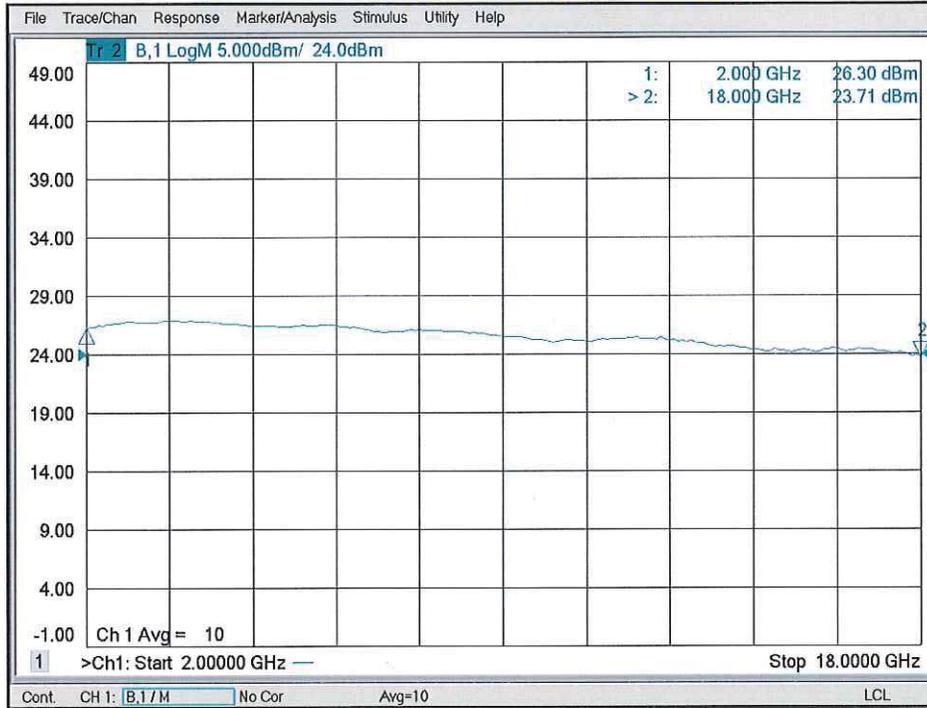
Saturated Output Power @ 0 dBm



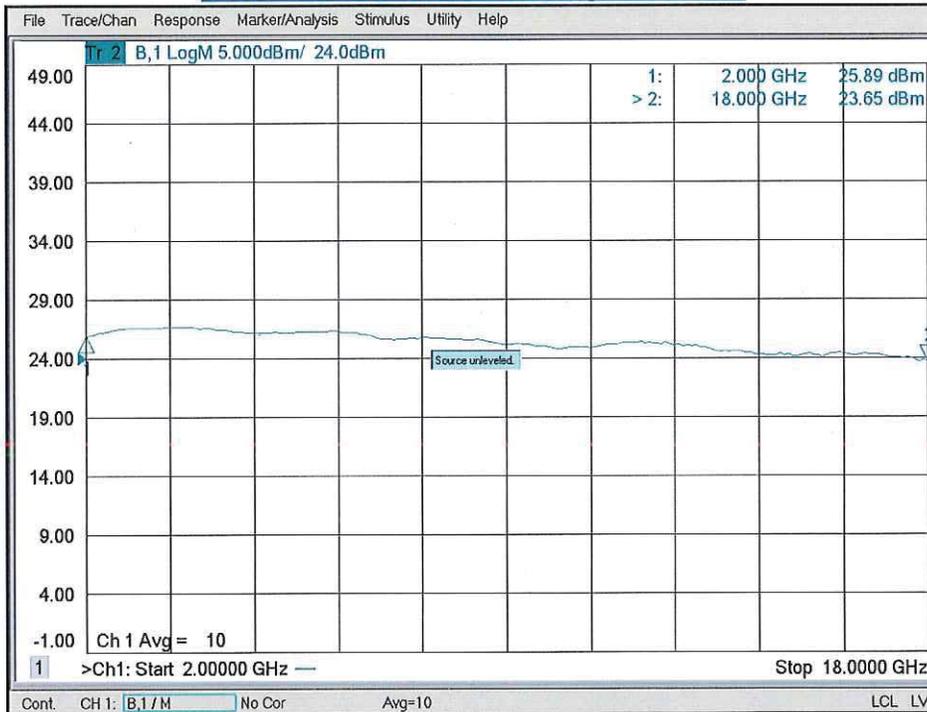


**SUMMARY TEST DATA
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Saturated Output Power @ +5 dBm



Saturated Output Power @ +10 dBm



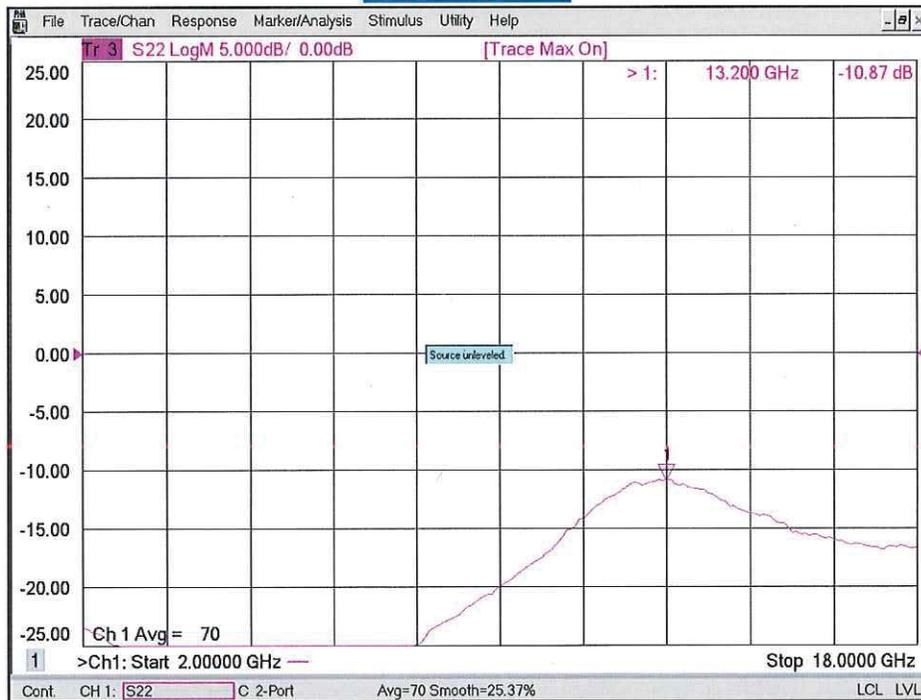


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Input VSWR



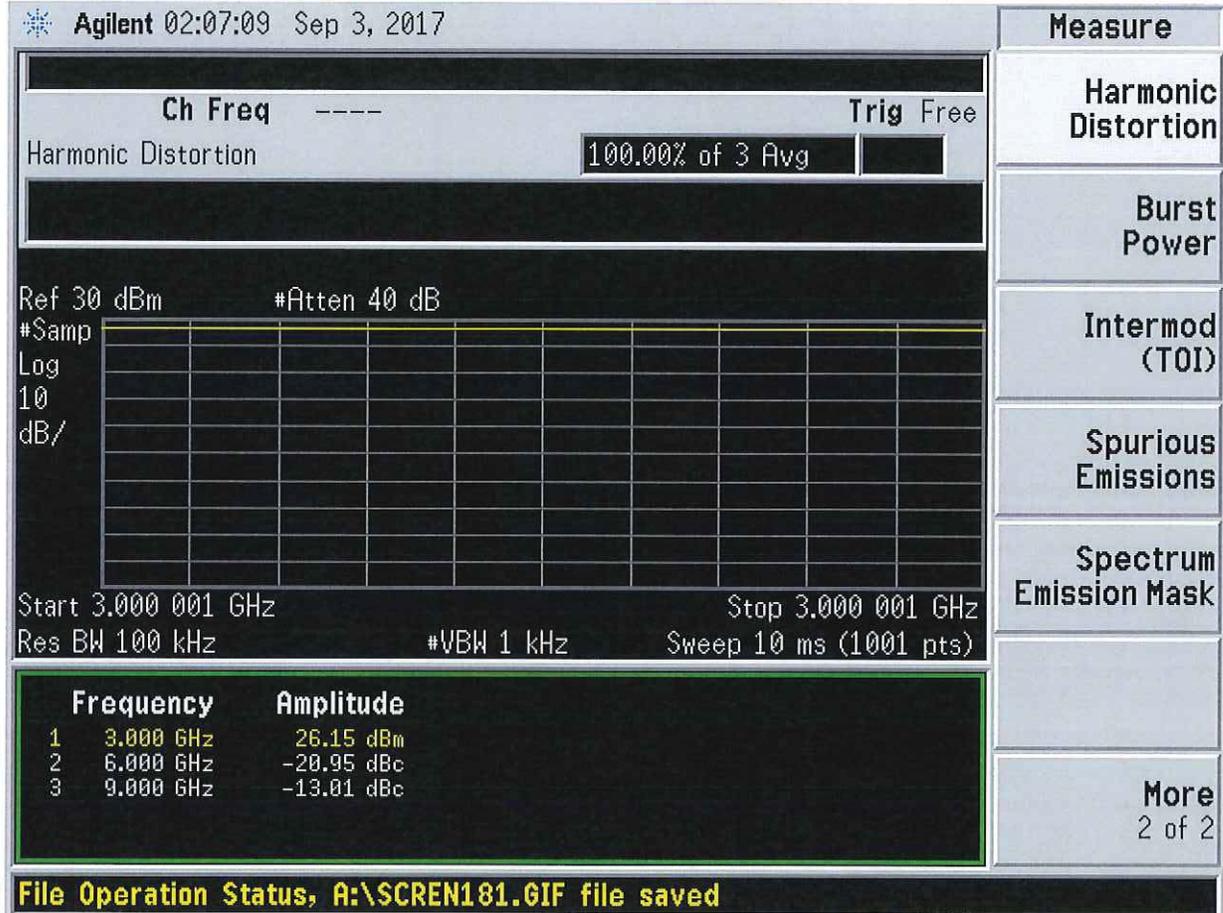
Output VSWR





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**3 GHz (Fundamental)
2nd & 3rd Harmonic Rejection**



2nd Harmonic = -20.95 dBc
3rd Harmonic = -13.01 dBc