Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA ON PE2-25-200M18-3D5-25-SFF

Customer:
SO No:
Model No: PE2-25-200M18-3D5-25-SFF
Serial No: PL62210/2636

Tested By: A. Mousavi
Temperature: -55°C, +25°C, +85°C
Date: 9/2/2026
Drawing No: 27649440 DFS # 26-0002 **REV:** A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results			QA QC
			-55°C	+25°C	+85°C	
1	Frequency Range:	200 MHz to 18 GHz	200 MHz to 18 GHz			PMI QA6
2	Gain:	+25 dB TYP +23 dB MIN		+27.3 dB Max. +24.9 dB Min.		
3	Gain Flatness:	±2.0 dB Max.		±1.2 dB		
4	Noise Figure:	9 dB Max. (0.2 to 0.5 GHz) 5 dB Max. (0.5 to 18 GHz)		8.1 dB 3.1 dB		
5	OP1dB:	+25 dBm TYP +23 dBm Min.	+24.5 dBm	+23.9 dBm	+23.4 dBm	
6	VSWR: (In/Out)	2.0:1 Max.		1.96:1 In 1.92:1 Out See Plot		
7	IP2:	Not Specifed	31 dBm	33.4 dBm	30.9 dBm	
8	IP3:	Not Specified	28.4 dBm	26.7 dBm	26.5 dBm	
9	2nd Harmonics:	Not Specified	-14.4 dBm	-15.2 dBm	-16.7 dBm	
10	*Spectral Content:	Not Specified	See Plot	See Plot	See Plot	
9	Input Power:	+20 dBm Max.		+20 dBm		
10	DC Supply	+12 V to +15 V @ 400 mA Max.	+12 V to +15 V @350 mA	+12 V to +15 V @ 380 mA	+12 V to +15 V @ 400 mA	
11	DC Supply @ P1dB	+12 V to +15 V @ 400 mA Max.	+12 V to +15 V @ 380 mA	+12 V to +15 V @ 400 mA	+12 V to +15 V @ 420 mA	PMI QA6

*UNIT TESTED WITH DC POWER APPLIED AND INPUT PORT TEMINATED TO A 50 OHM LOAD.

QA/QC Approval: Anthony Karoly PMI QA6 **Date:** 9/4/26

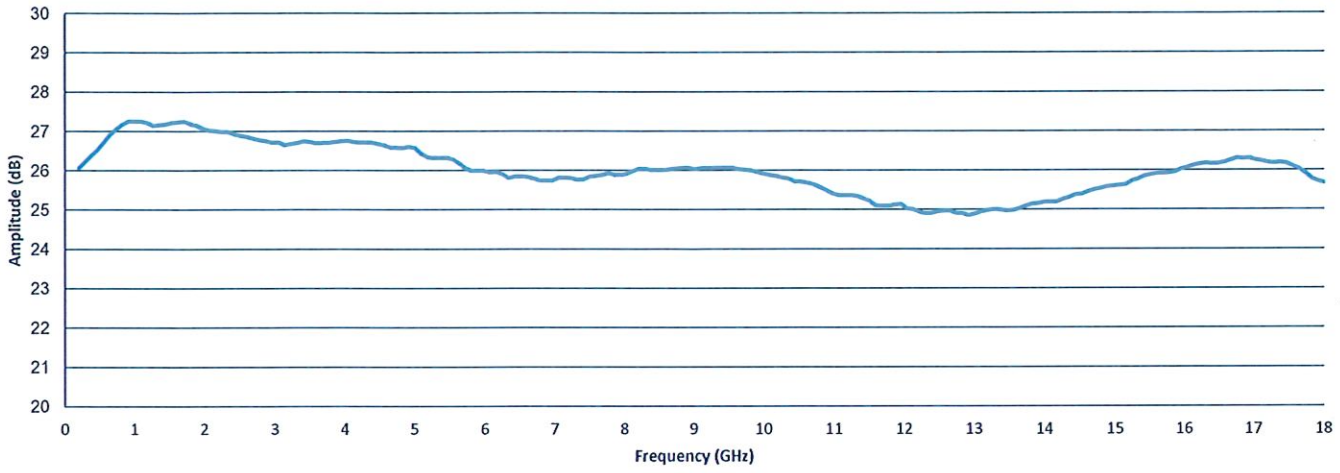
7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

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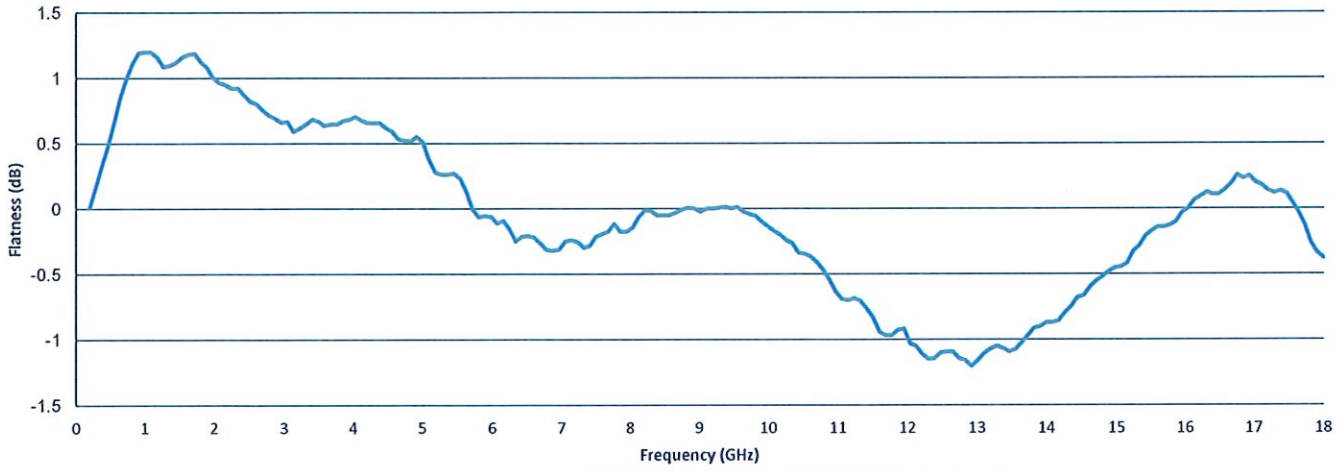
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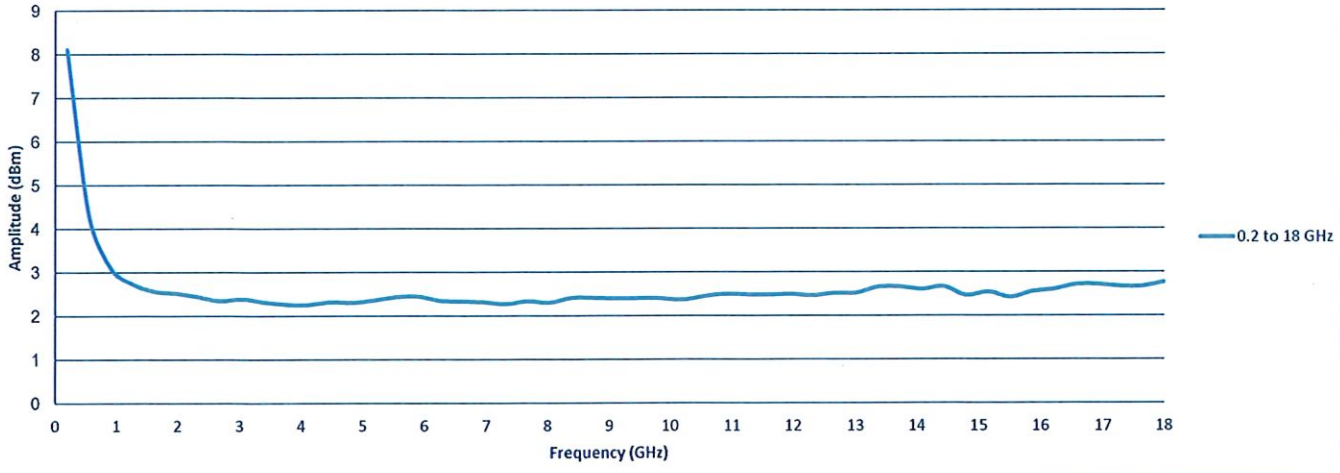
Gain



Gain Flatness



Noise Figure



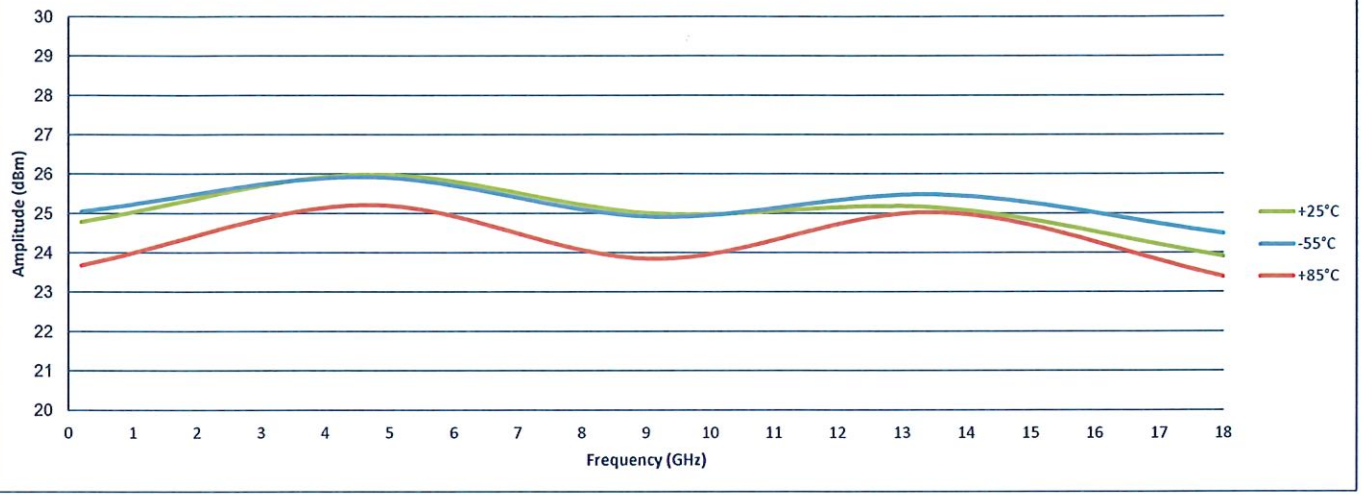
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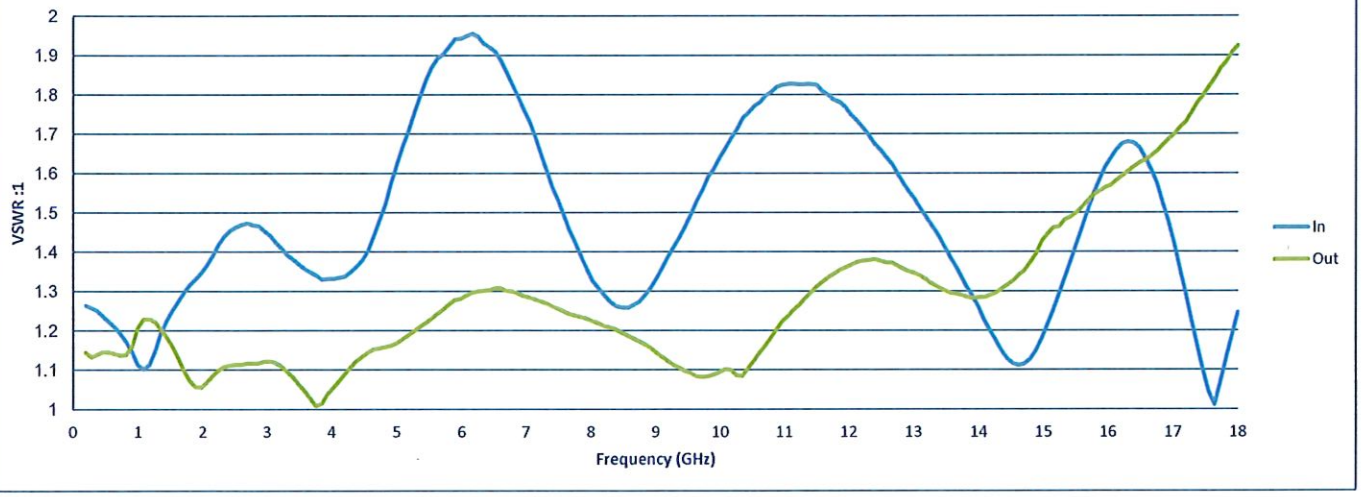
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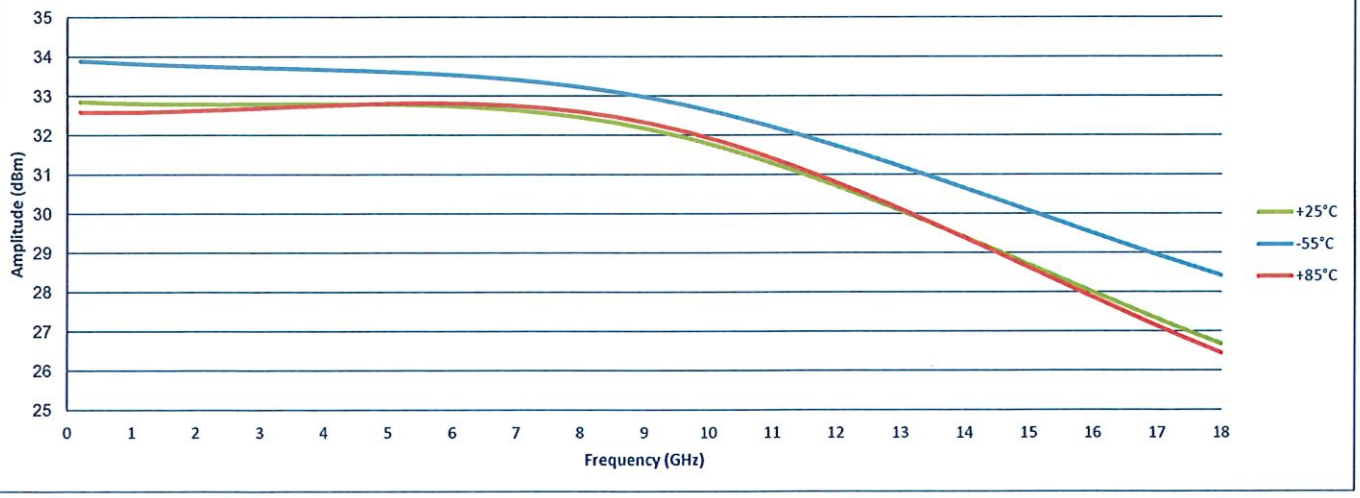
OP1dB



VSWR



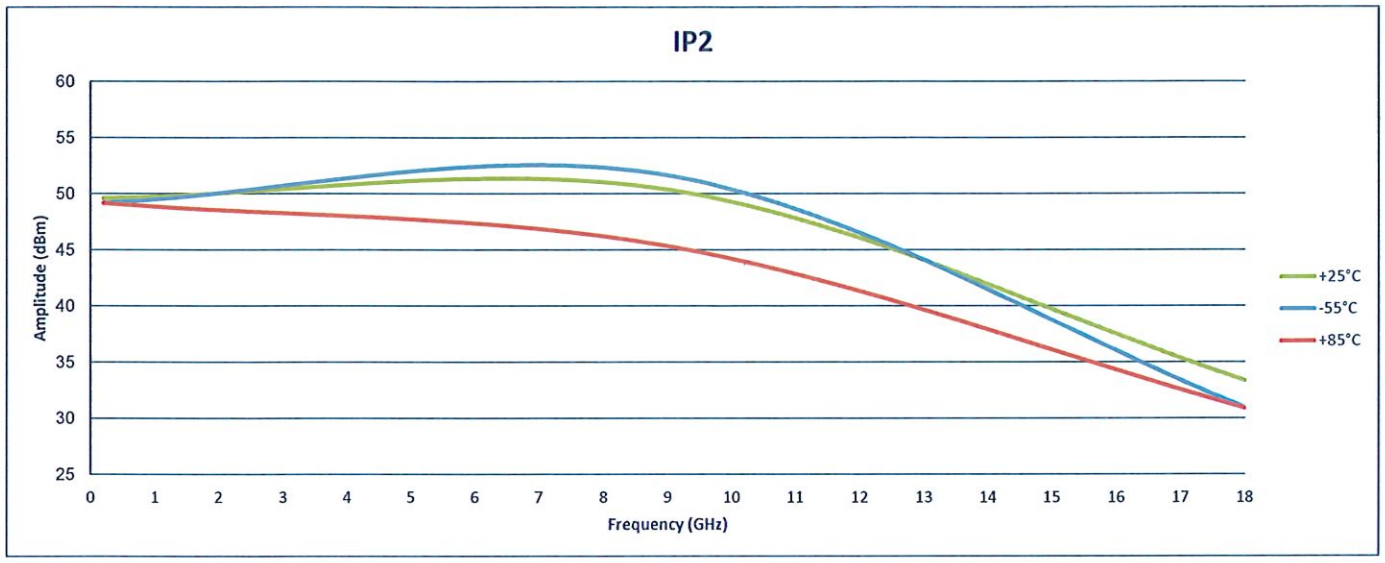
IP3

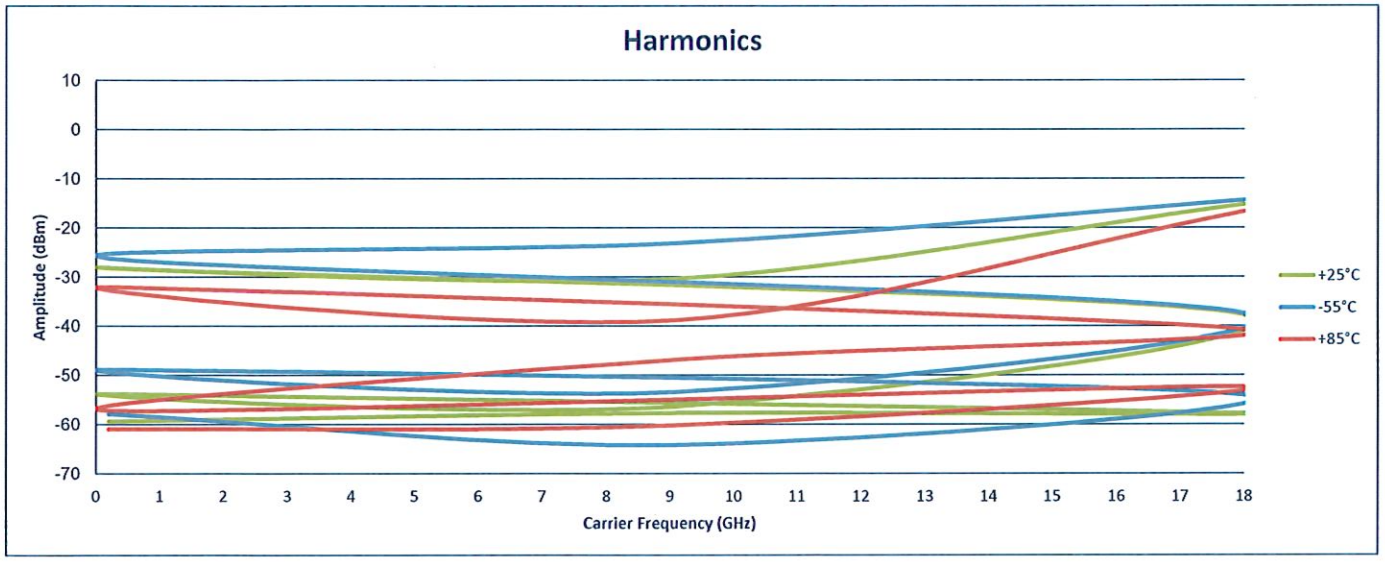


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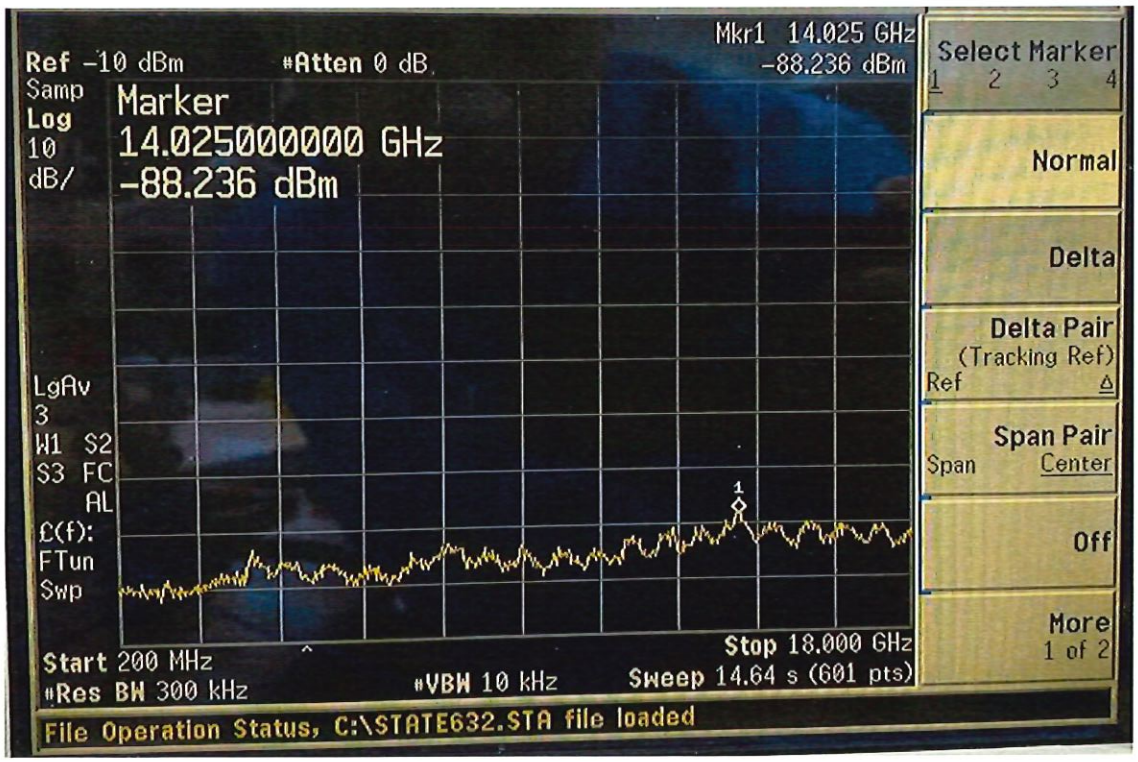


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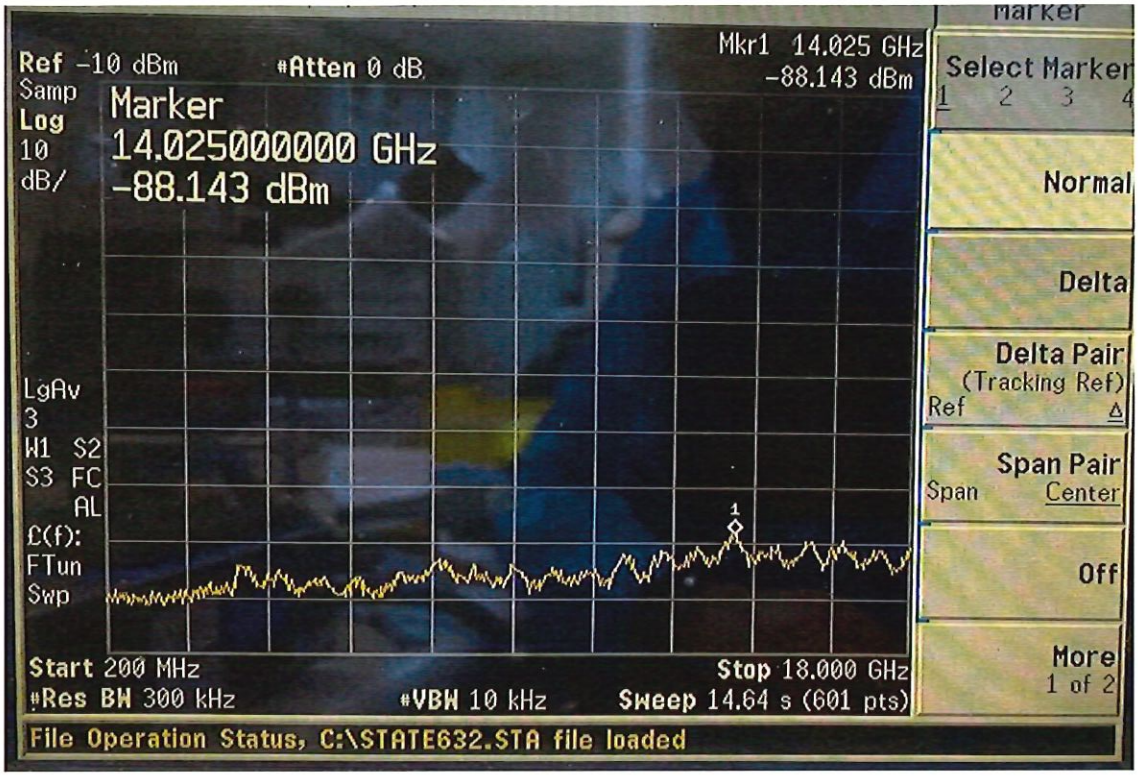
Spectral Content -55C



Spectral Content +25C



Spectral Content +85C



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