Quantic PMI
PLANAR MONOLITHICS

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

Customer: [redacted]
SO No: [redacted]
Model No: PE2-25-200M18-3D5-25-SFF
Serial No: PL62208/2636

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		+26.7 dB Max. +24.2 dB Min.		
3	Gain Flatness:	±2.0 dB Max.		±1.24 dB		
4	Noise Figure:	9 dB Max. (0.2 to 0.5 GHz) 5 dB Max. (0.5 to 18 GHz)		8.5 dB 3.4 dB		
5	OP1dB:	+25 dBm TYP +23 dBm Min.	+23.6 dBm	+23.4 dBm	+23.1 dBm	
6	VSWR: (In/Out)	2.0:1 Max.		1.95:1 In 2:1 Out See Plot		
7	IP2:	Not Specifed	31.1 dBm	29.8 dBm	30.6 dBm	
8	IP3:	Not Specified	28.3 dBm	27.2 dBm	26.2 dBm	
9	2nd Harmonics:	Not Specified	-13.8 dBm	-14.8 dBm	-16.2 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 @360 mA	+12 V to +15 V @ 390 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 @ 390 mA	+12 V to +15 V @ 410 mA	+12 V to +15 V @ 410 mA	PMI QA6

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

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

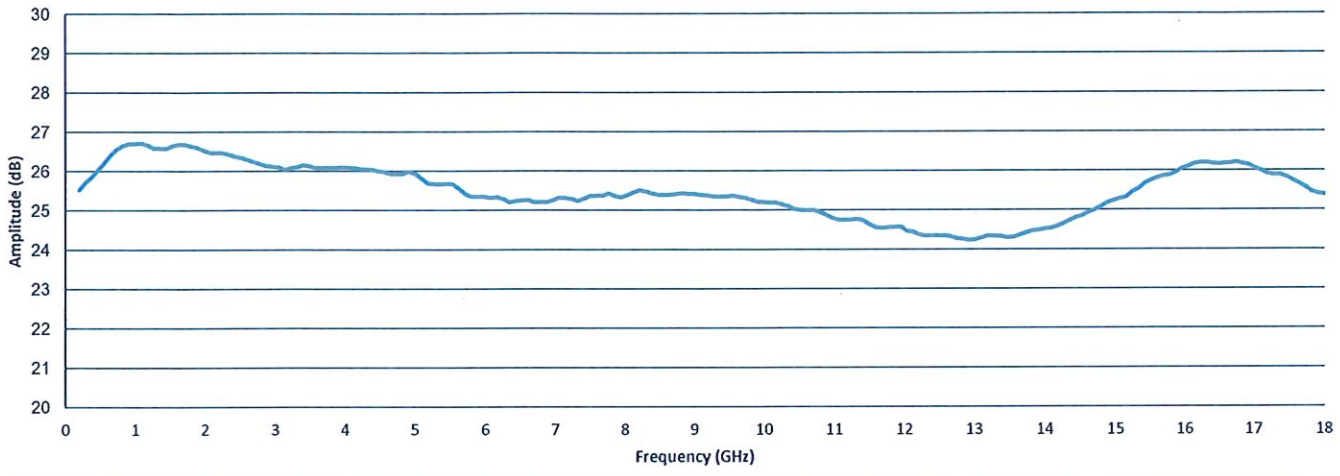
7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

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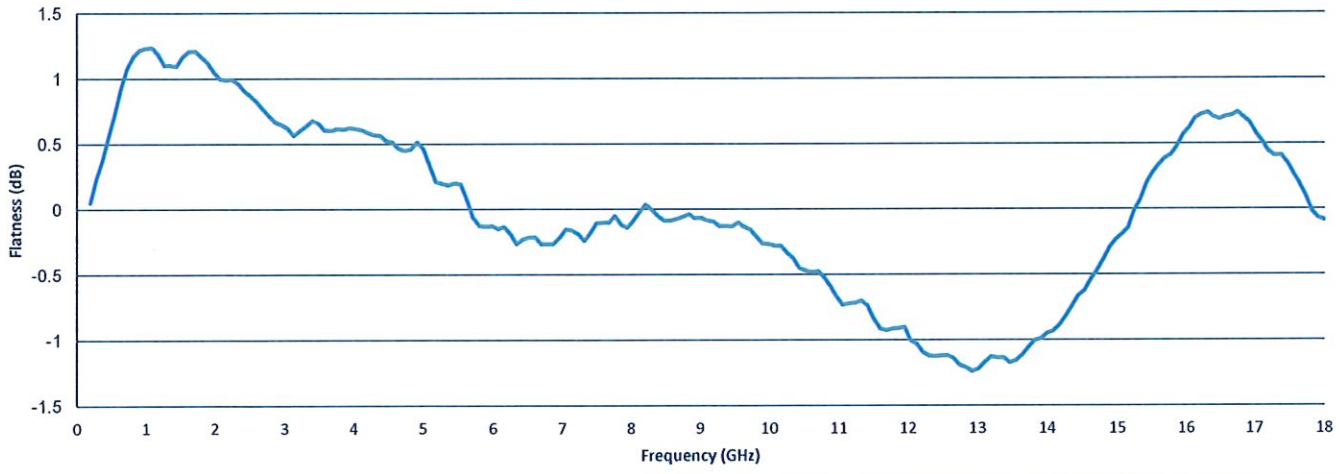
SUMMARY TEST DATA ON PE2-25-200M18-3D5-25-SFF

PL62203/2636

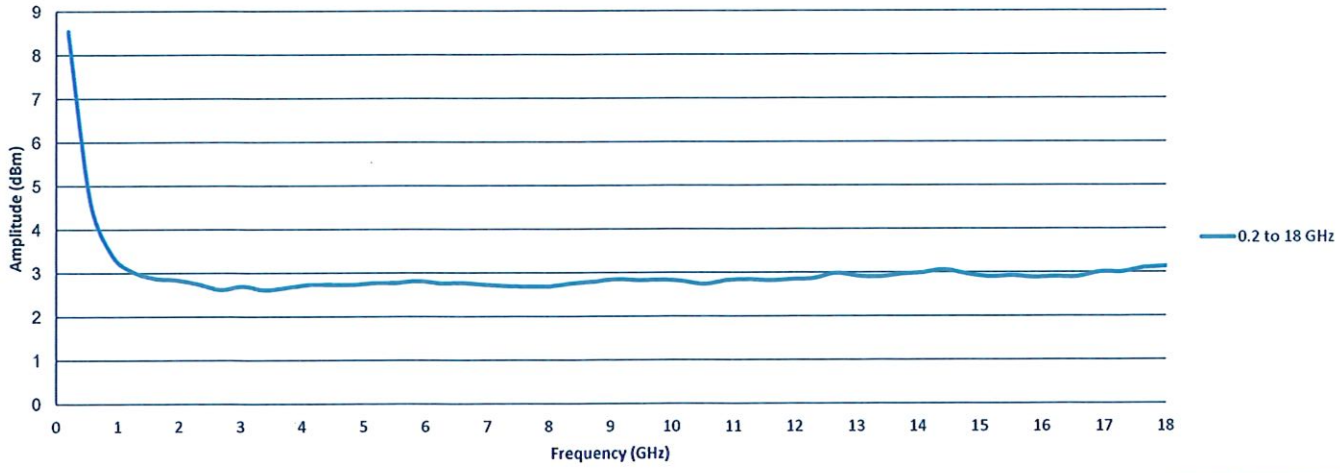
Gain



Gain Flatness



Noise Figure



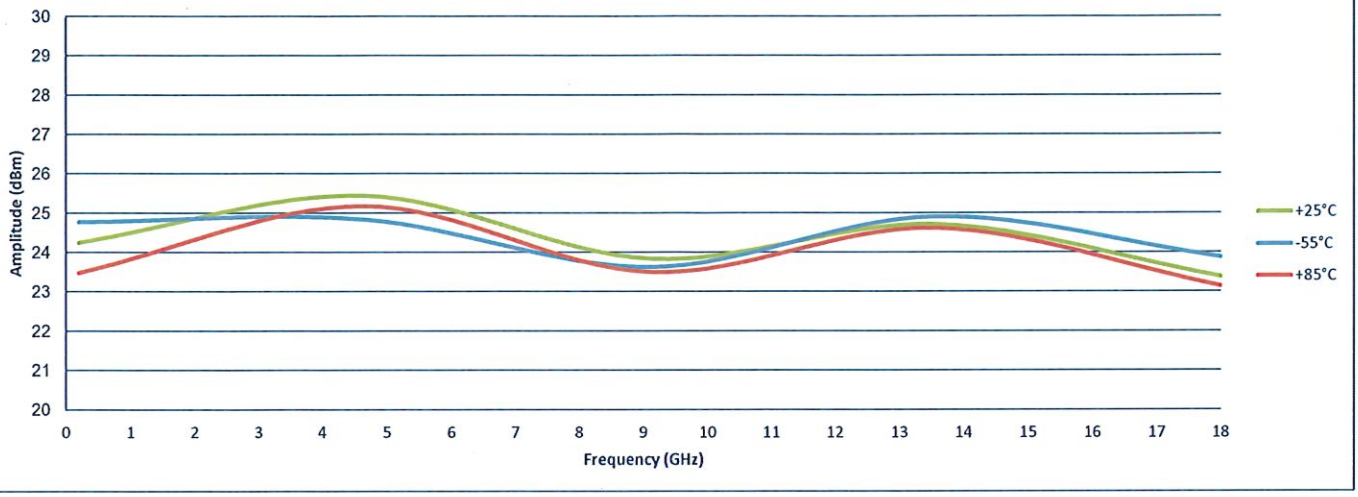
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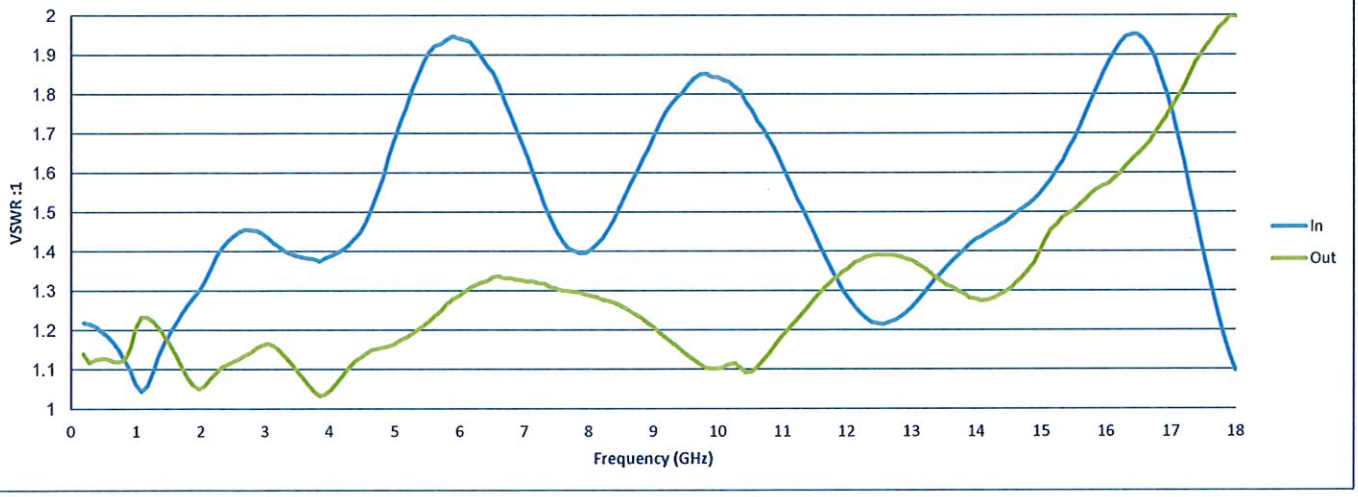
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PL62208/2636

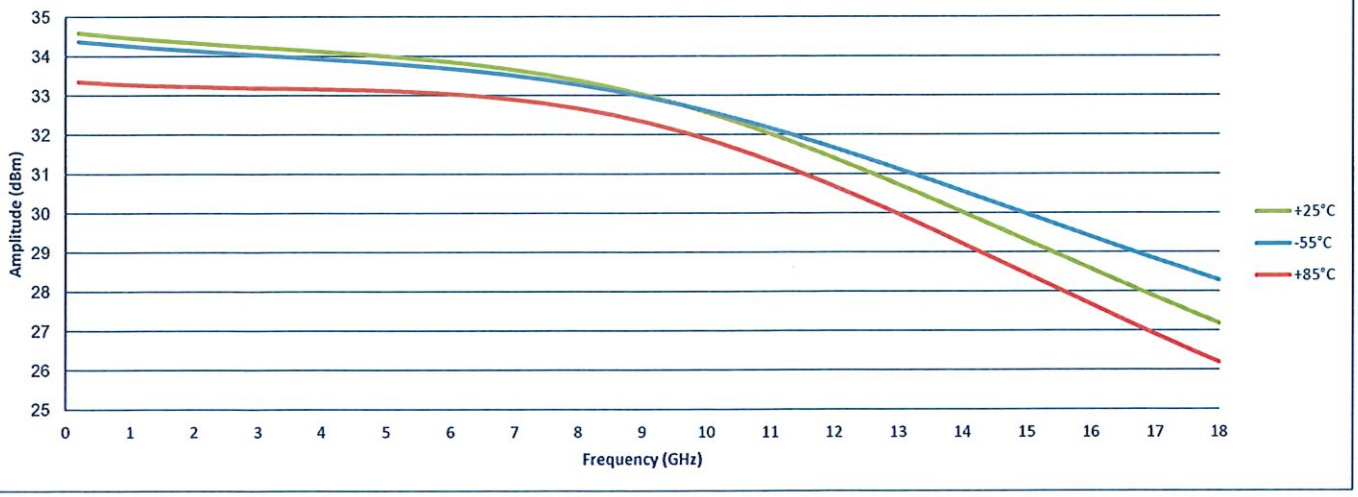
OP1dB



VSWR



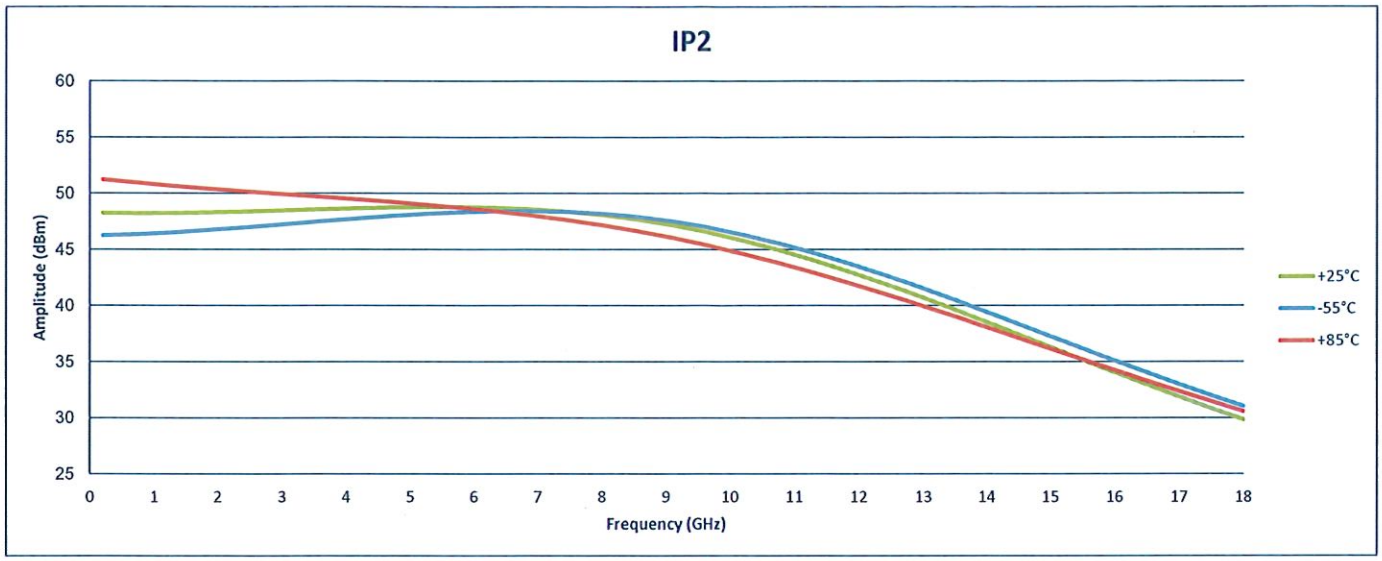
IP3

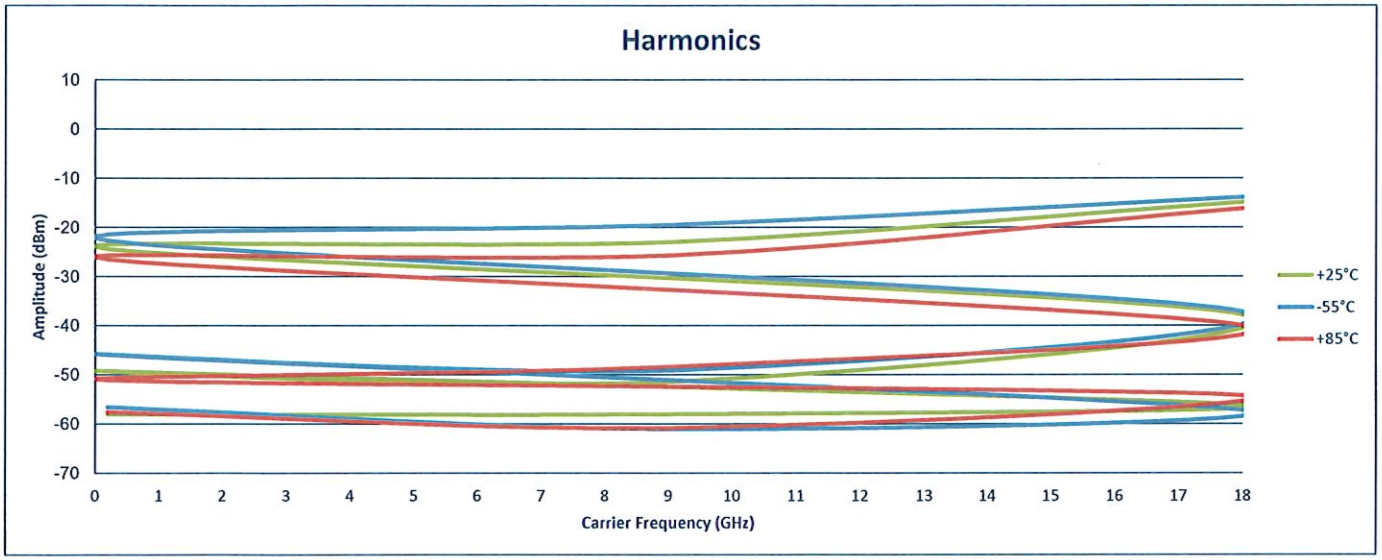


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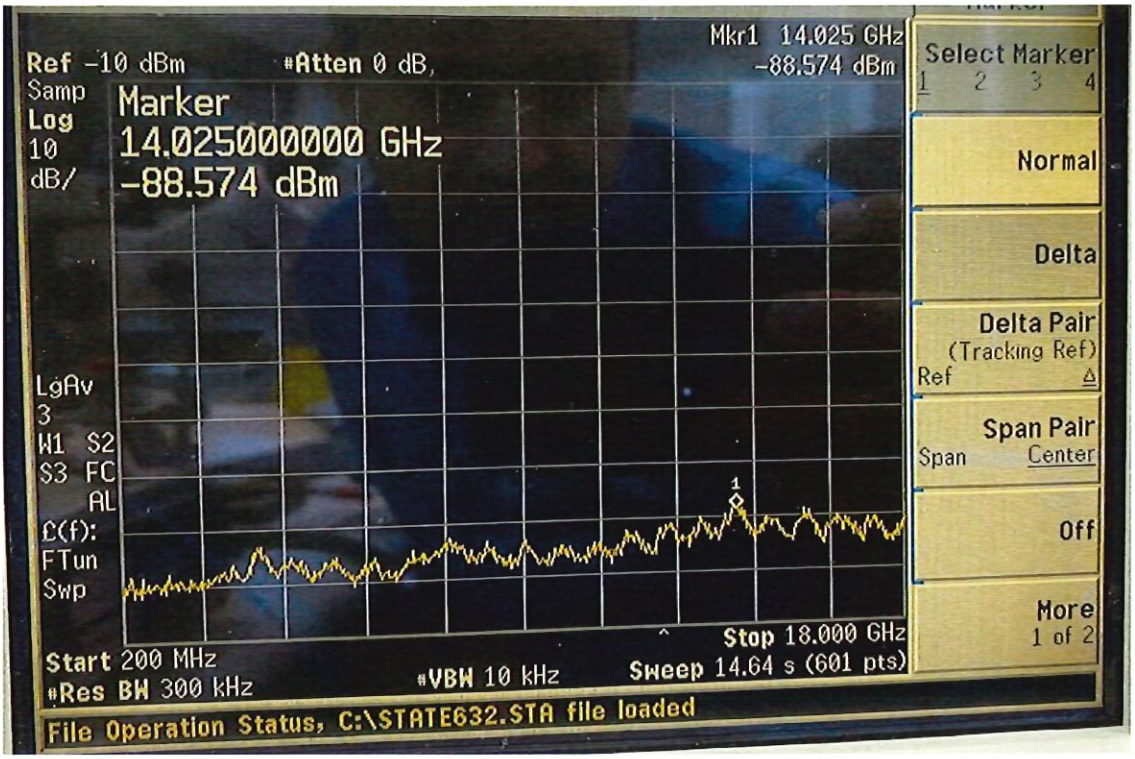
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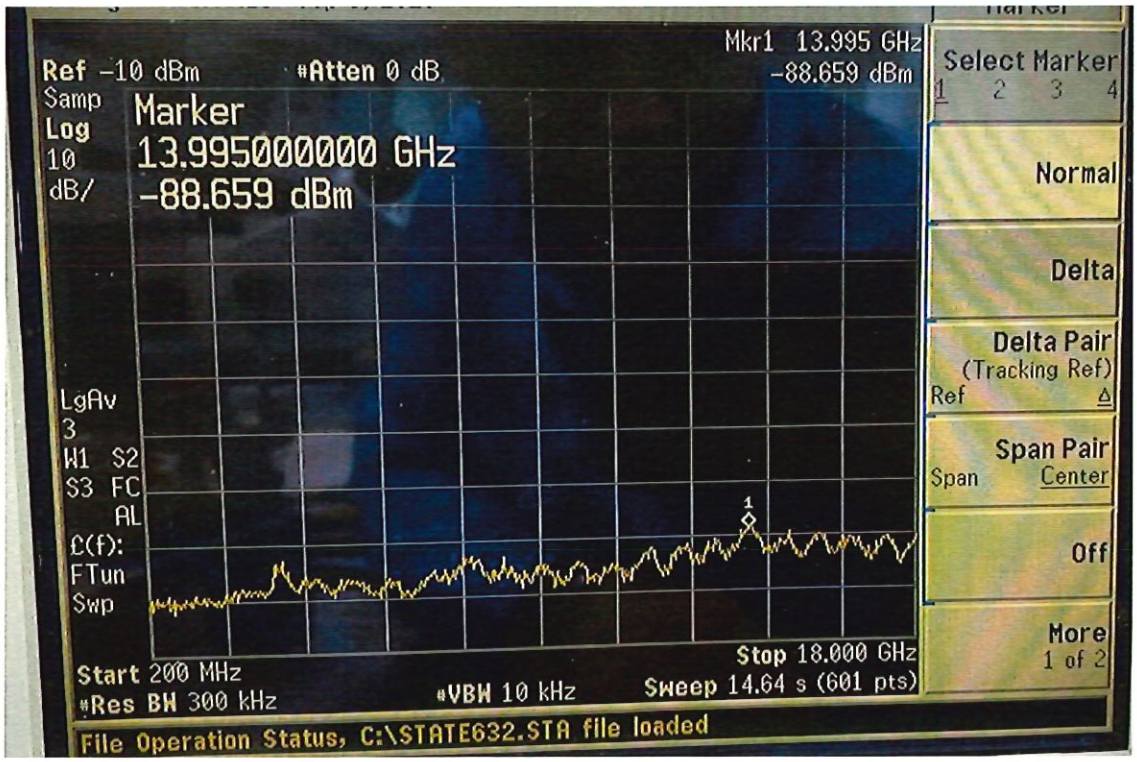


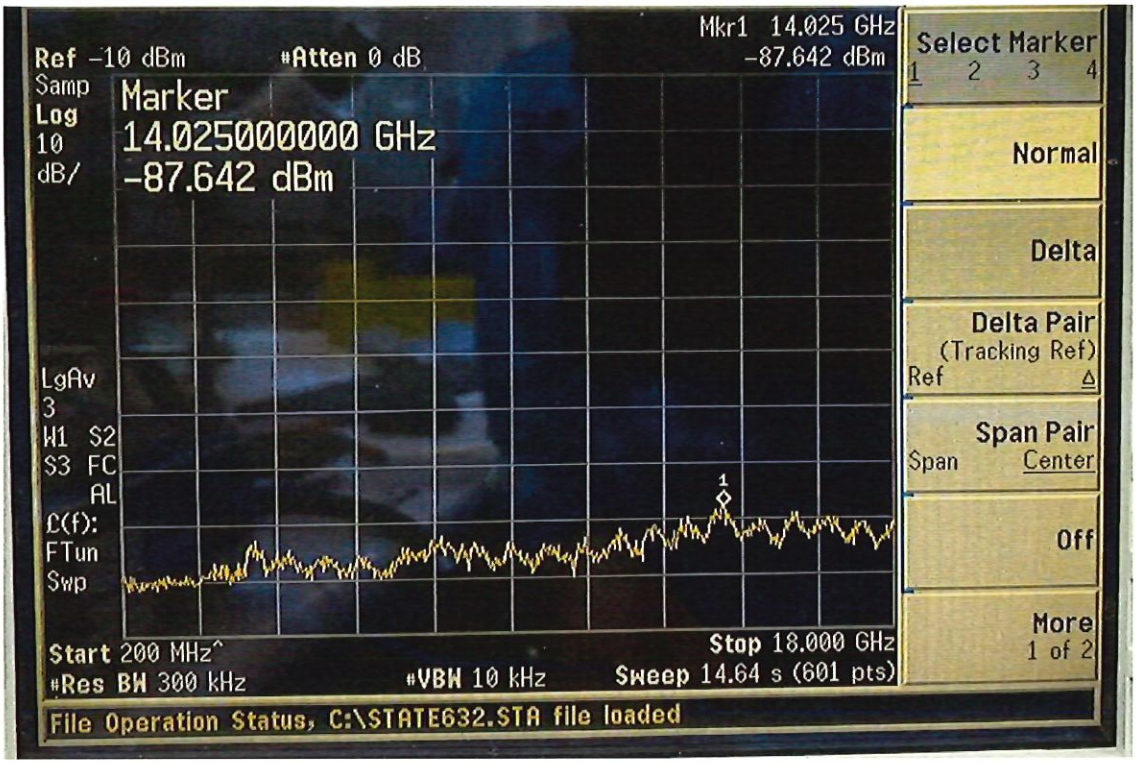
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Spectral Content -55C



Spectral Content +25C




Ref -10 dBm
#Atten 0 dB
Mkr1 14.025 GHz
-87.642 dBm
Samp
Log
10
dB/
Marker
14.025000000 GHz
-87.642 dBm
LgAv
3
W1 S2
S3 FC
AL
£(f):
FTun
Swp
Start 200 MHz^
#Res BW 300 kHz
#VBW 10 kHz
Stop 18.000 GHz
Sweep 14.64 s (601 pts)
File Operation Status, C:\STATE632.STA file loaded
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2