

SUMMARY TEST ON PA-218-45-5-2W-24V-SFF

Customer: Resonant Sciences, V

SO No: 20240090-01

Model No: PA-218-45-5-2W-24V-SFF

Serial No: DEMO

Tested By: Alfredo Lopez

Temperature: +25° C

Date: 12/9/2024

Drawing No: 27645180

REV: A1

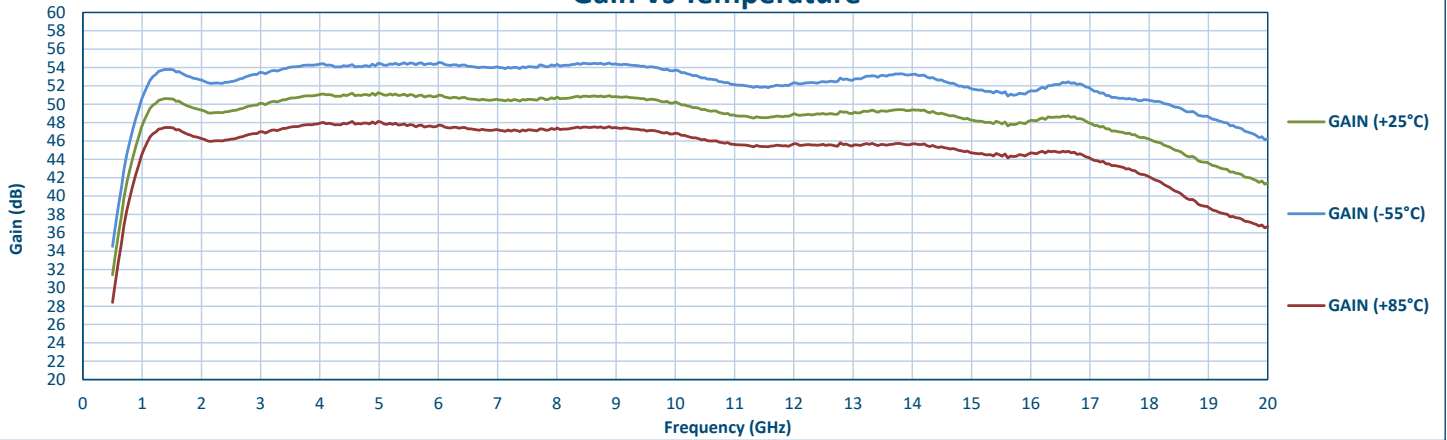
TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	Test Results			QA QC
			+25°C	-55°C	+85°C	
1	Frequency Range:	2.0 - 18.0 GHz	2.0 - 18.0 GHz	2.0 - 18.0 GHz	2.0 - 18.0 GHz	
2	Gain:	42 dB Min. 56 dB Max.	51.26 dB Max. 46.2 dB Min. See Graph	54.56 dB Max. 50.36 dB Min. See Graph	48.13 dB Max. 42.09 dB Min. See Graph	
3	Gain Flatness:	±3.5 dB Max.	2.53 dB See Graph	2.1 dB See Graph	3.02 dB See Graph	
4	VSWR: (Input)	2.0:1 Max.	1.82 :1 See Graph	1.72 :1 See Graph	1.87 :1 See Graph	
5	VSWR: (Output)	2.4:1 Max.	2.22 :1 See Graph	2.27 :1 See Graph	1.87 :1 See Graph	
6	Noise Figure:	5.0 dB Max	3.08 dB See Graph	2.89 dB See Graph	3.36 dB See Graph	
7	PSAT:	2W Min. (33 dBm) @ 0 dBm Input Power Min	+38.24 dBm Max.	+38.9 dBm Max.	+37.95 dBm Max.	
			+34 dBm Min.	+35.35 dBm Min.	+33.41 dBm Min.	
			See Graph	See Graph	See Graph	
8	Maximum Input Power:	+20 dBm Max.	Pass			
9	DC Voltage Supply:	+24 VDC @ 800 mA Max. (No RF) @ 1.6 A Max. Psat	+24 VDC @ 680 mA.(No RF) @ 1.5 A.(Psat)	+24 VDC @ 640 mA.(No RF) @ 1.55 A.(Psat)	+24 VDC @ 730 mA.(No RF) @ 1,46 A.(Psat)	

QA/QC Approval: _____

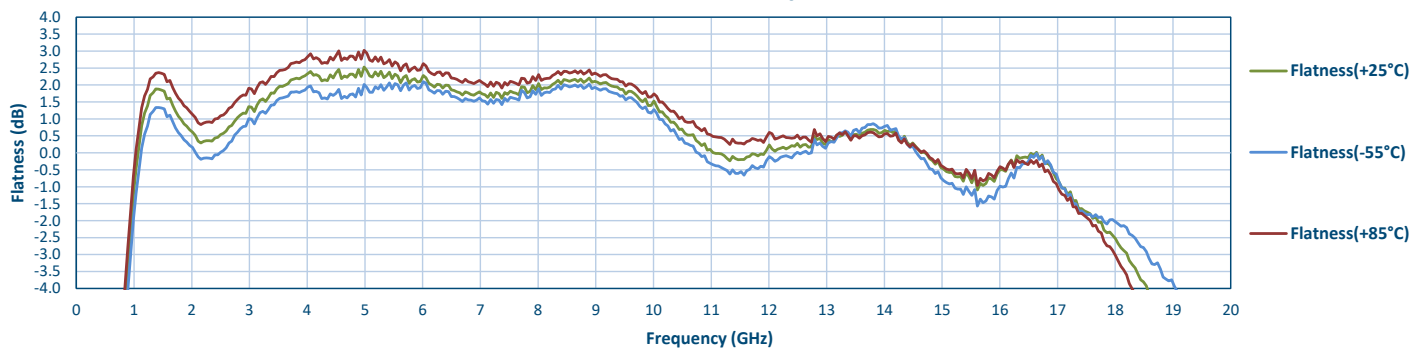
Date: _____

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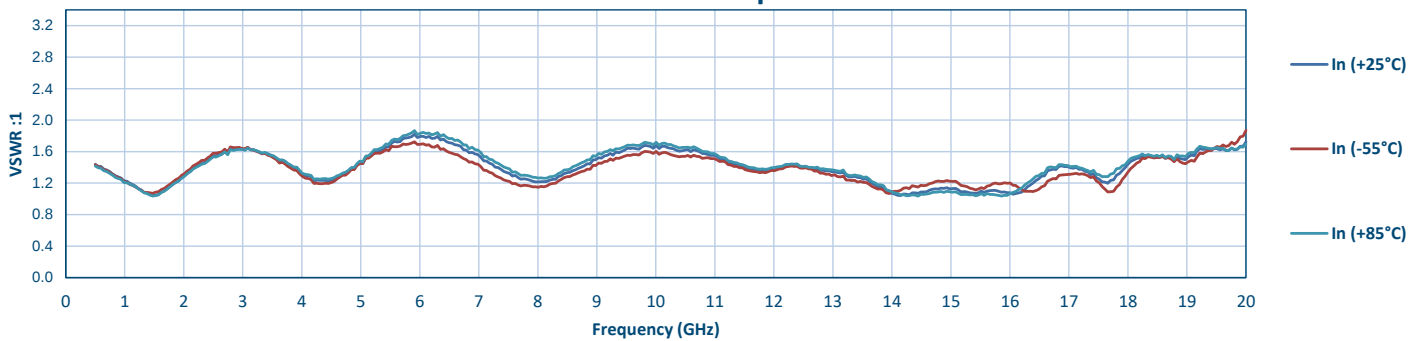
Gain Vs Temperature



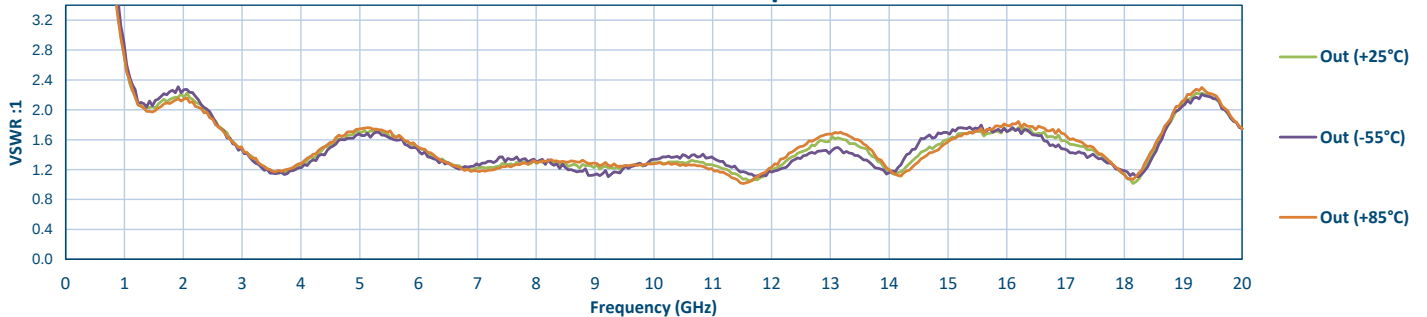
Gain Flatness Vs Temperature



VSWR In Vs Temperature

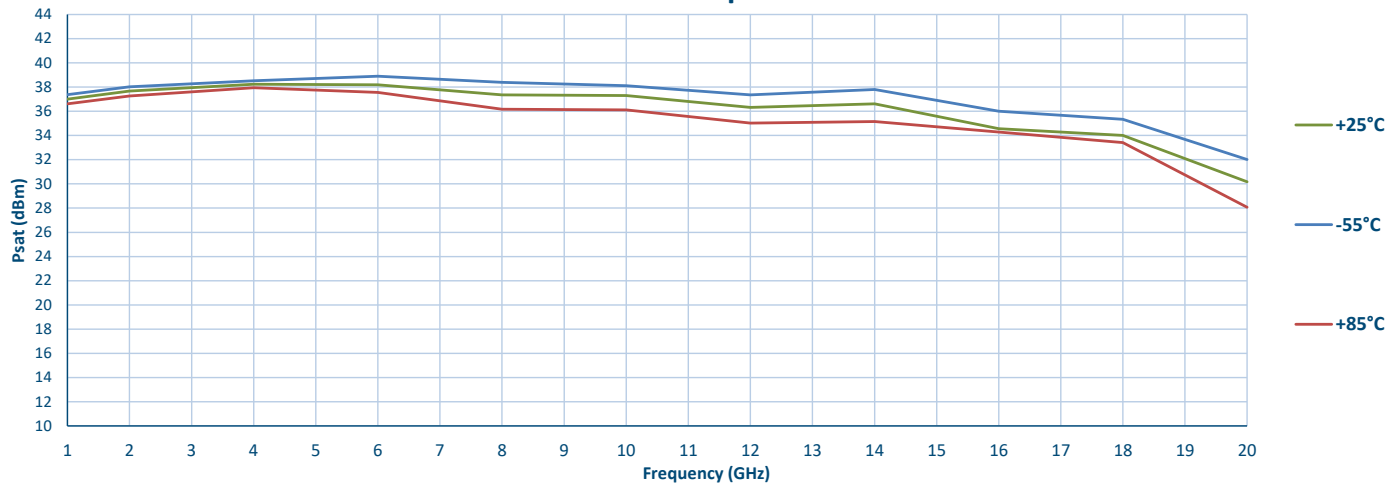


VSWR Out Vs Temperature

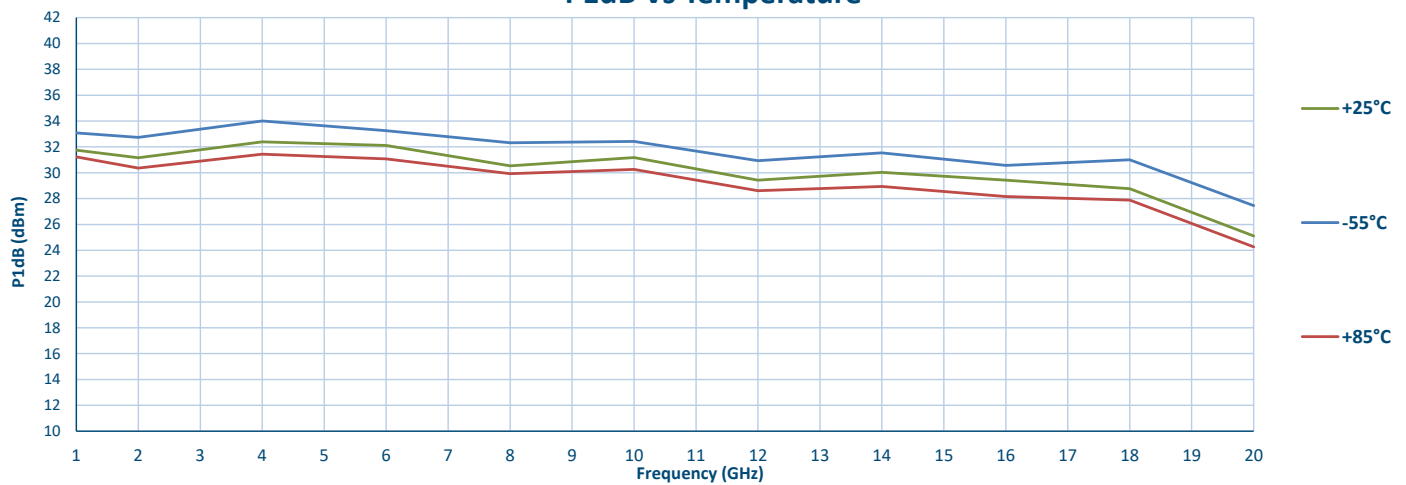


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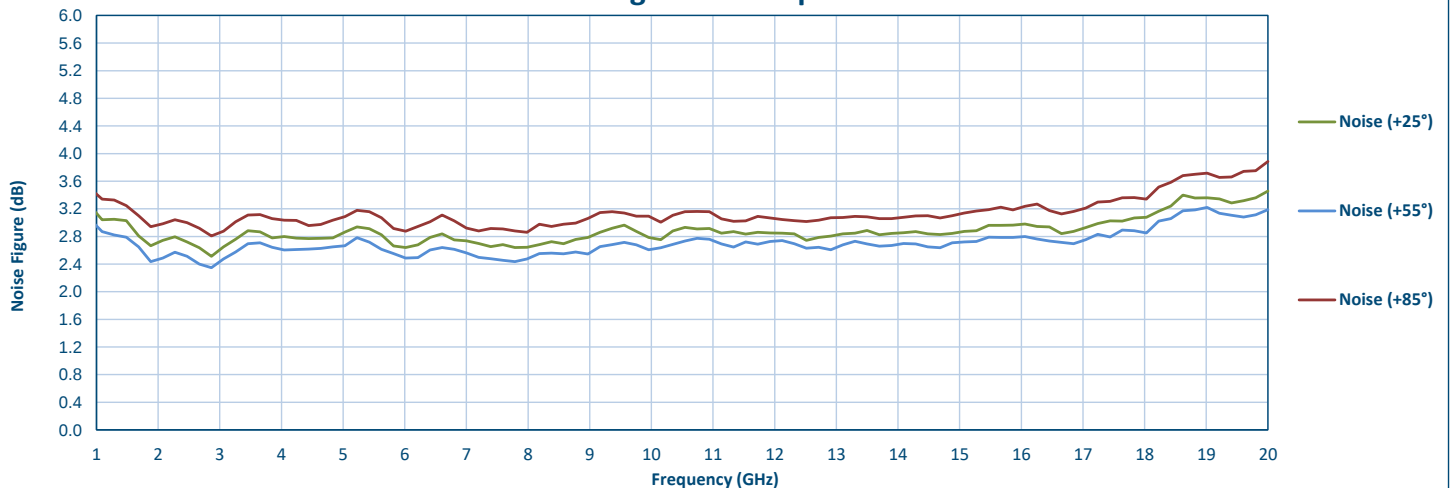
Psat Vs Temperature



P1dB Vs Temperature

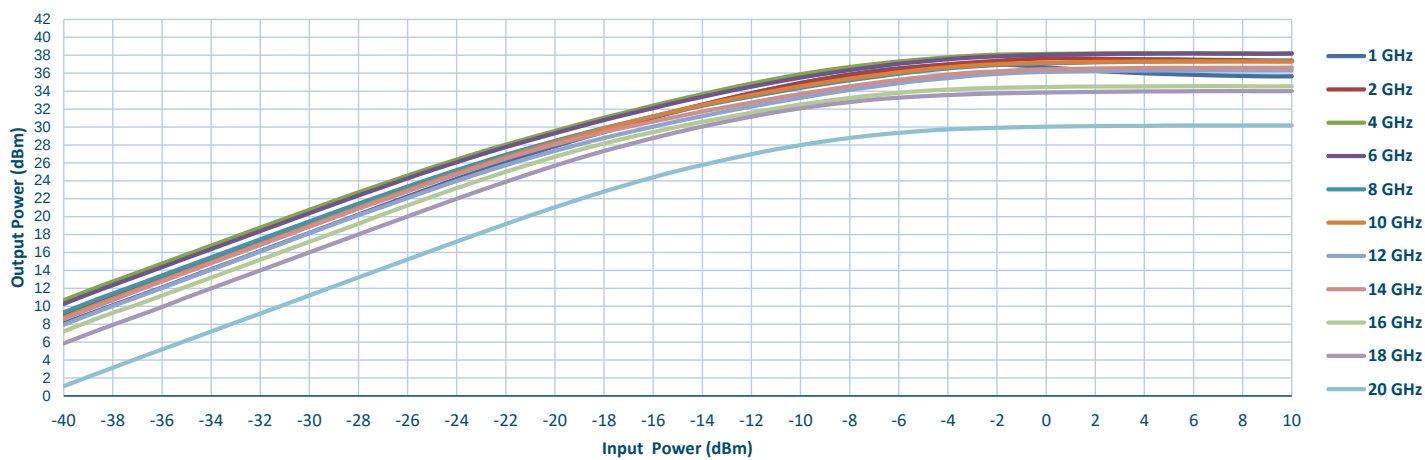


Noise Figure Vs Temperature

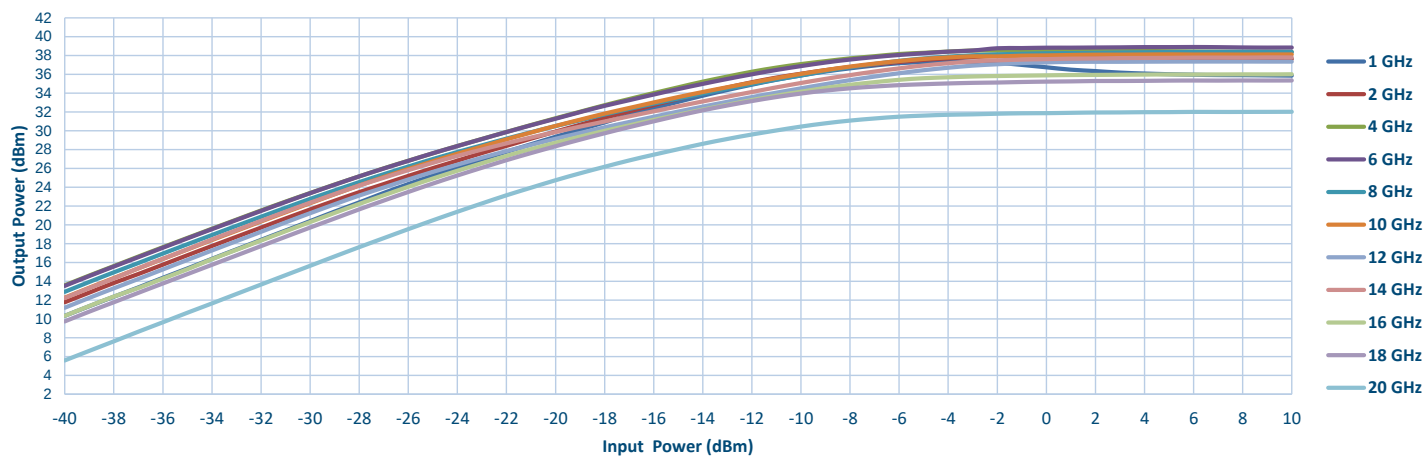


SUMMARY TEST ON PA-218-45-5-2W-24V-SFF

Input Power Vs Output Power (+25°C)



Input Power Vs Output Power (-55°C)



Input Power Vs Output Power (+85°C)

