

**SUMMARY TEST DATA
ON
LM-118-100W-22DBM**

Customer: _____
SO No: _____
Model No: LM-118-100W-22DBM
Serial PL45367/2414 - DEMO

Tested By: Alfredo Lopez
Temperature: 25°C
Date: 4/1/2023
Drawing No: 27647900 Rev A1

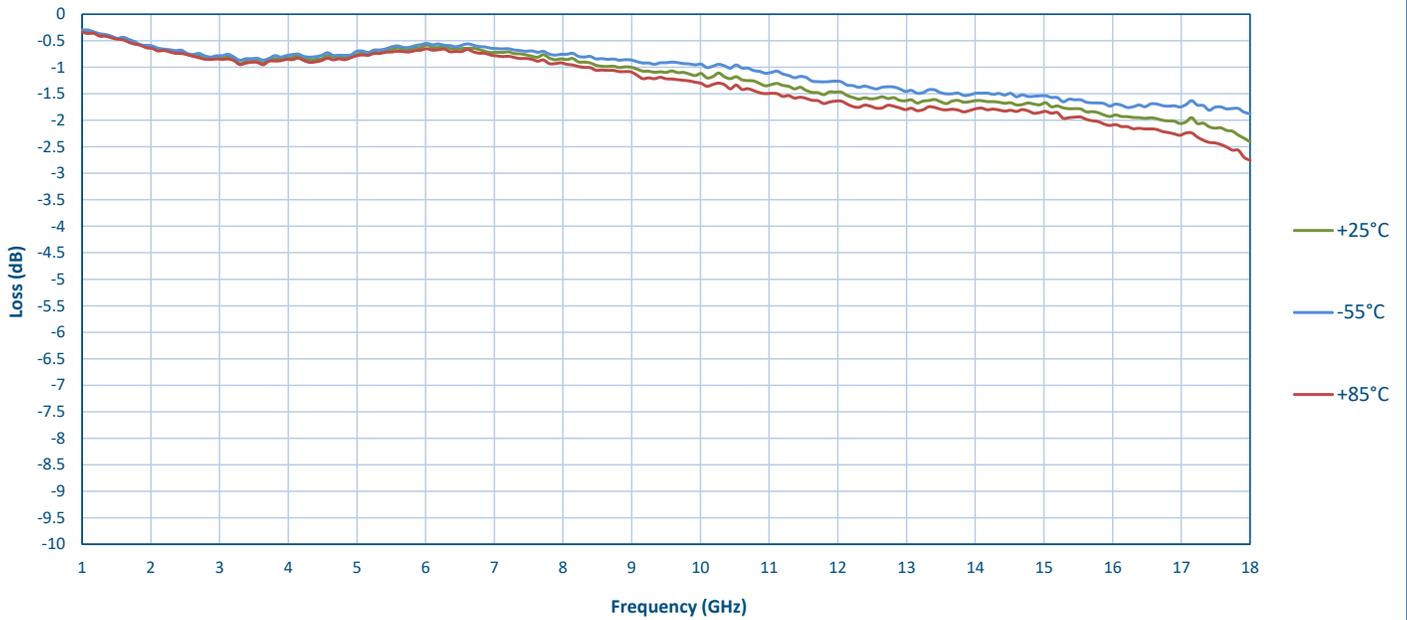
TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	Test Results			QA QC
			+25°C	-55°C	+85°C	
1	Frequency Range:	1 to 18 GHz	1 to 18 GHz	1 to 18 GHz	1 to 18 GHz	
2	Insertion Loss:	3.0 dB Max. @ -10 dBm Input	2.41 dB See Graph	1.88 dB See Graph	2.76 dB See Graph	
3	Input/Output VSWR:	2.0:1 Max. @ -10 dBm Input	1.91:1 See Graph	1.92:1 See Graph	1.91:1 See Graph	
4	Leakage:	+22 dBm Max.	18.92 dBm See Graph	18.67 dBm See Graph	18.73 dBm See Graph	
5	Recovery Time:	100 ns Max. @100W Peak Power	76.40 ns @ 100 Watts Peak Input Power See Plot	76.40 ns @ 100 Watts Peak Input Power See Plot	76.40 ns @ 100 Watts Peak Input Power See Plot	
6	RF Power Handling:	100 Watt CW Max. @ 55°C to +85°C	Pass 100 Watts CW See Graph	Pass 100 Watts CW See Graph	Pass 100 Watts CW See Graph	
		1KW Peak Max. (1µs PW, 0.1% Duty Cycle)	Tested @ 250 watts Peak See Plot	Tested @ 250 watts Peak See Plot	Tested @ 250 watts Peak See Plot	
7	Limiting Threshold (P1dB):	+12 dBm Min.	+12 dBm See Graph	+13 dBm See Graph	+12 dBm See Graph	

QA/QC Approval: _____

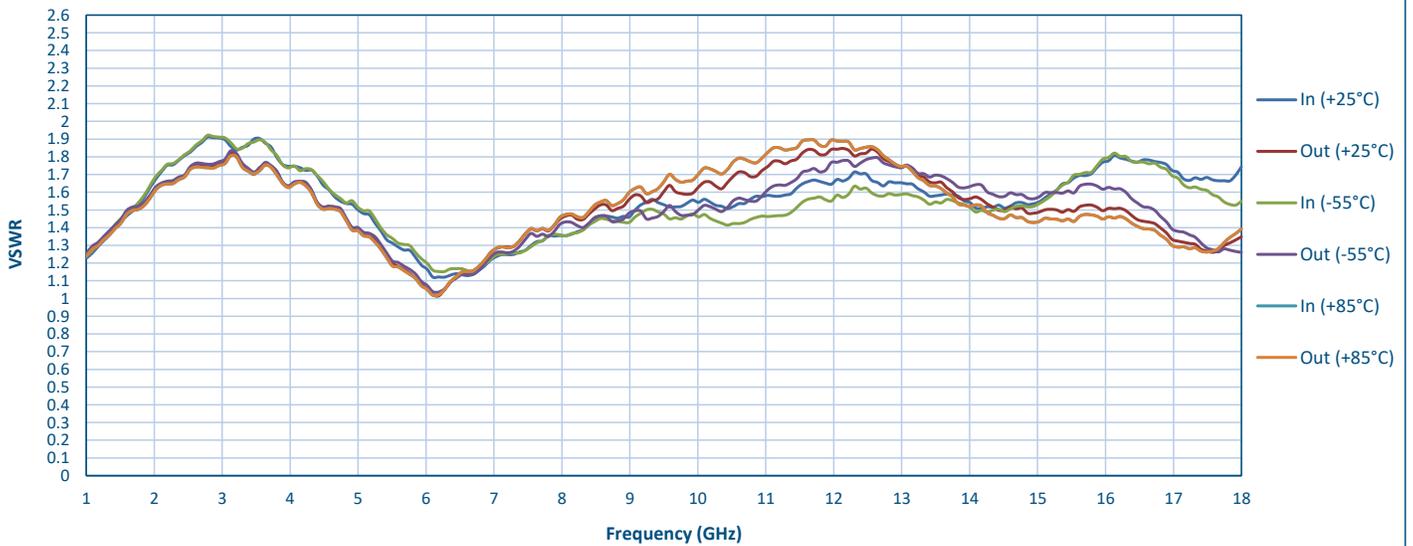
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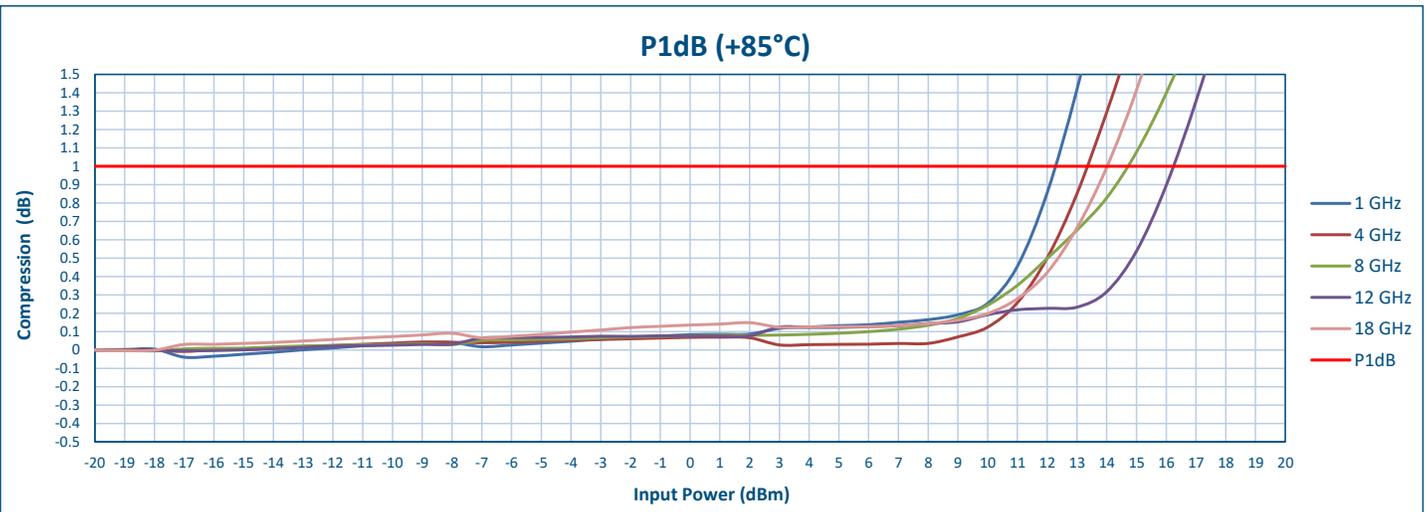
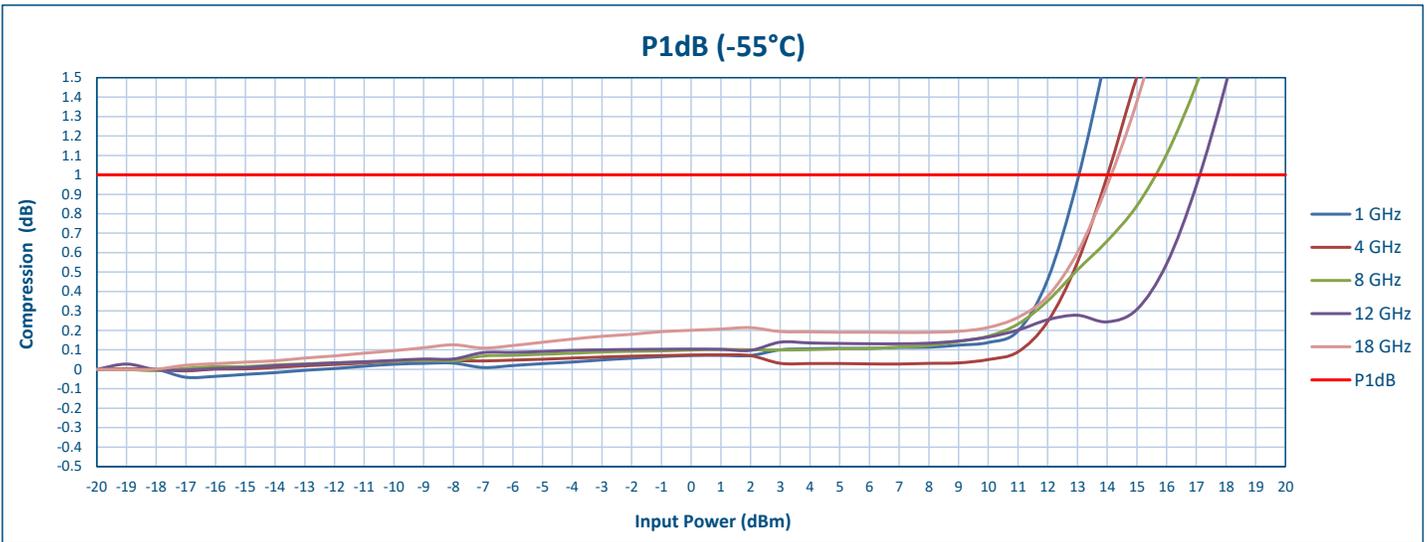
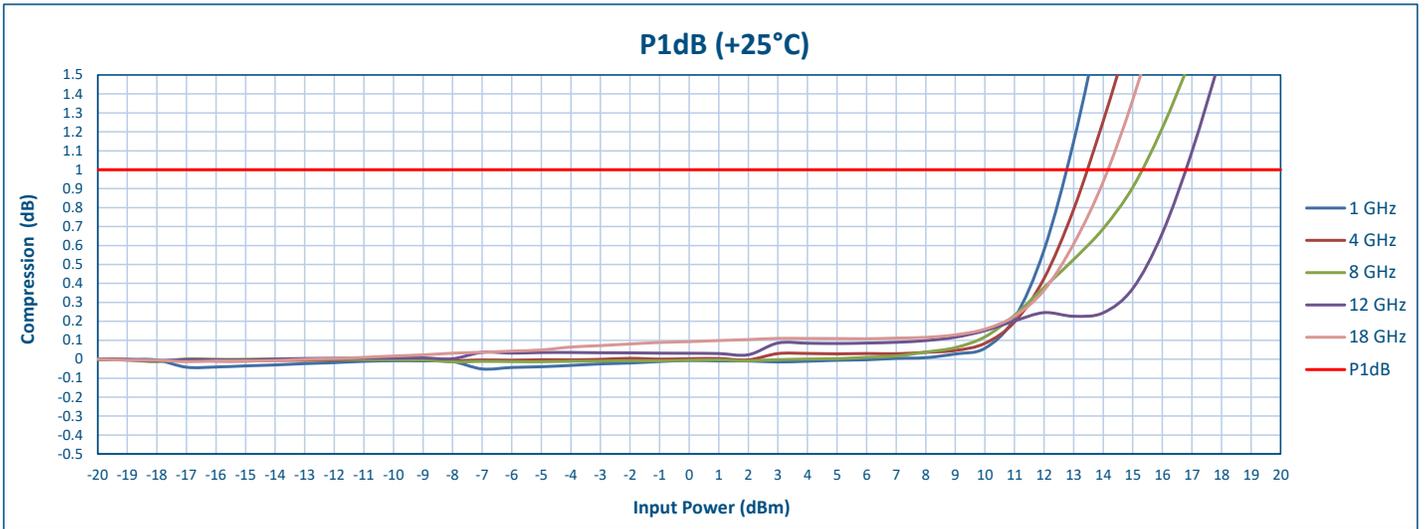
Insertion Loss



VSWR

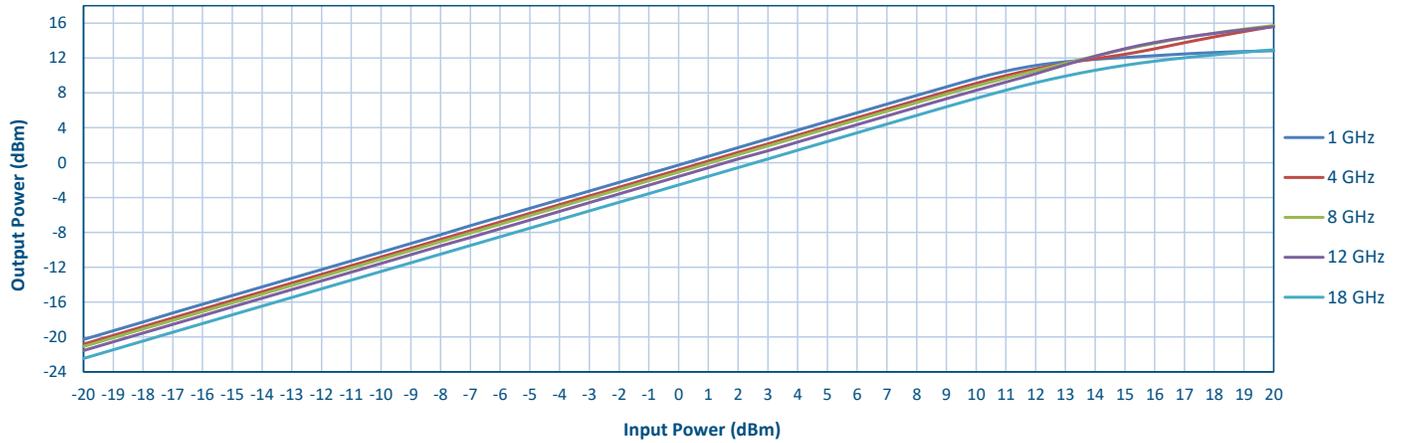


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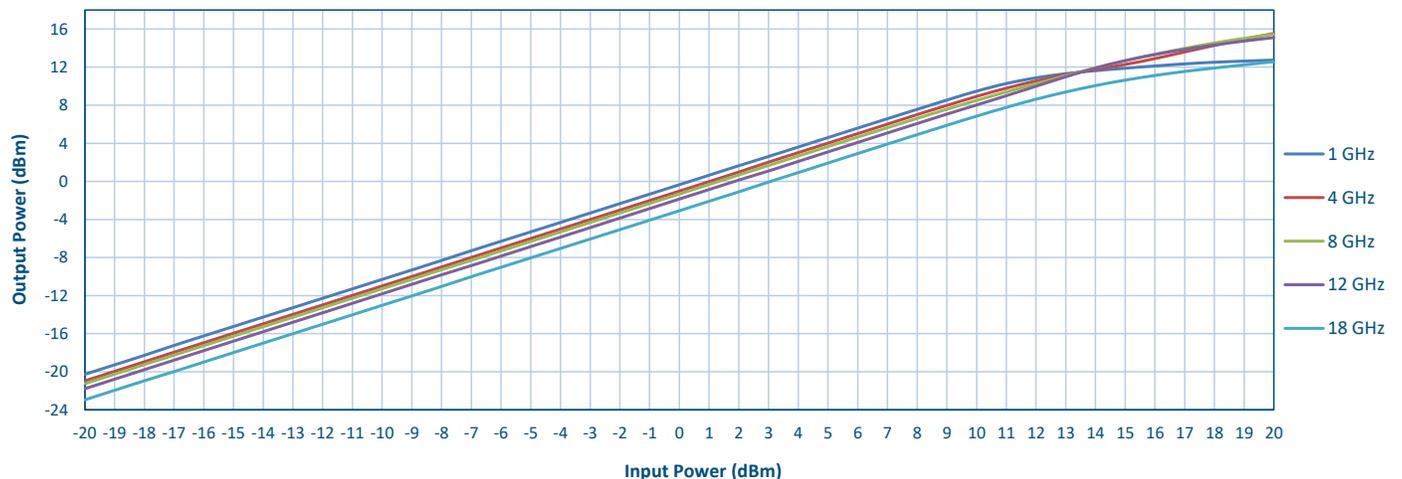
Response Limiting Curve Vs Frequency (+25°C)



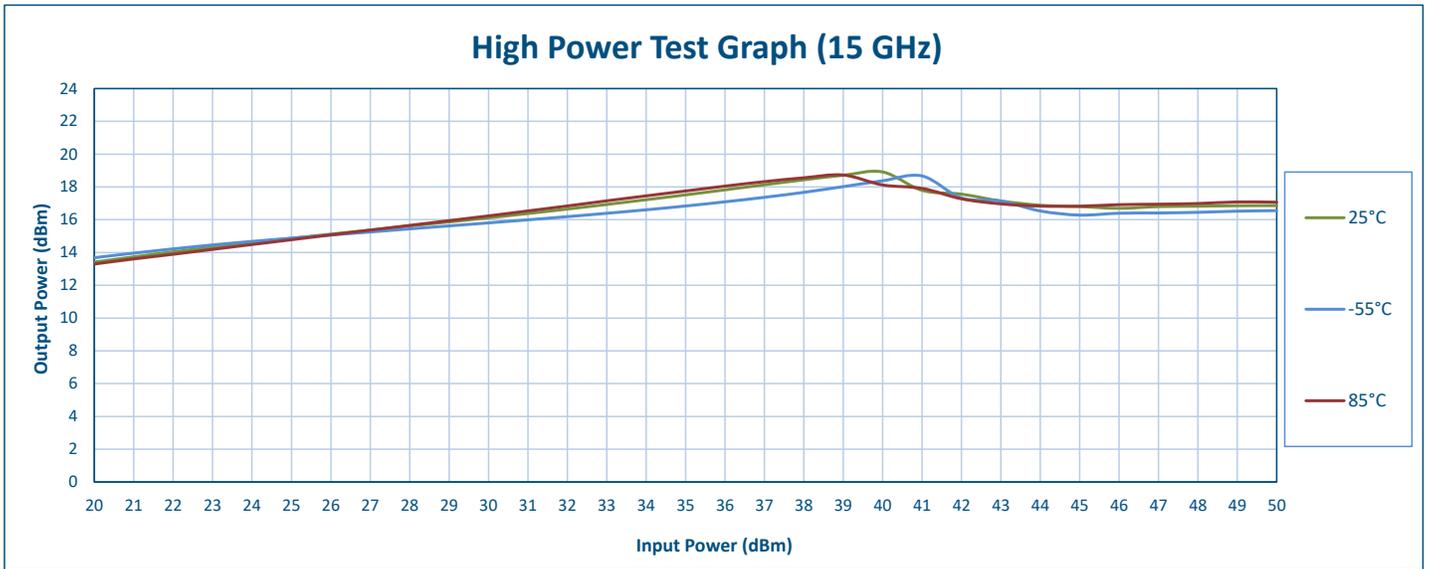
Response Limiting Curve Vs Frequency (-55°C)



Response Limiting Curve Vs Frequency (+85°C)



**SUMMARY TEST DATA
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**Pulse Peak Power
250 Watts Input Power (2.4 GHz)
1µs PW, 0.1% Duty Cycle**



SUMMARY TEST DATA ON LM-118-100W-22DBM

Recovery time
100 Watts Peak Input Power
Frequency 2.4 GHz
1µs PW, 0.1% Duty Cycle

Measured value - 76.40 ns



Rise time
100 Watts Peak Input Power
Frequency 2.4 GHz
1µs PW, 0.1% Duty Cycle

Measured value - 38.0 ns



Full Pulse
100 Watts Peak Input Power
Frequency 2.4 GHz
1µs PW, 0.1% Duty Cycle

