

**SUMMARY TEST DATA
ON
LM-2G18G-18-20W-1KWP-SFF**

Customer: _____
 SO No: _____
 Model No: LM-2G18G-18-20W-1KWP-SFF
 Serial No: PL46316/2422

Tested By: L. McGraw
 Date: 5/28/2024
 Drawing No: 27636740 REV: B1

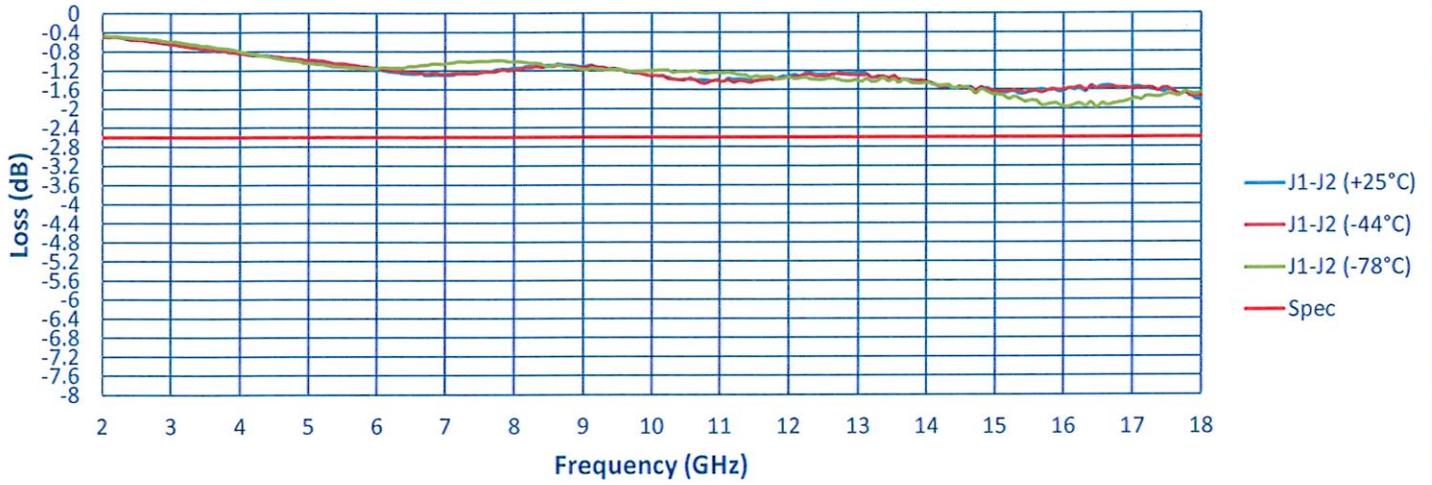
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results			QA QC
			+25°C	-44°C	+78°C	
1	Frequency Range:	2.0 to 18.0 GHz	2.0 to 18.0 GHz	2.0 to 18.0 GHz	2.0 to 18.0 GHz	PMI
2	RF Input Power:	20 Watts (+43 dBm) CW Maximum	Pass See Graph	Pass See Graph	Pass See Graph	
3	Peak Input Power:	100W (+50 dBm) Maximum @10% Duty Cycle & 40µs Pulse Width	Pass	Pass	Pass	
4	Limiting Threshold (P1dB):	≥ +5 dBm Minimum	8.0 dBm See Graph	9.0 dBm See Graph	7.0 dBm See Graph	
5	RF Leakage:	≤ +18 dBm Flat & Spike Maximum	14.0 dBm See Graph	15.5 dBm See Graph	14.1 dBm See Graph	
6	Recovery Time:	< 100 ns Maximum	23.1 ns	23.1 ns	23.1 ns	
7	Insertion Loss:	2.6 dB Maximum (@ -10 dBm Input Power)	1.8 dBm See Graph	1.8 dBm See Graph	2.0 dBm See Graph	
8	VSWR:	2.0:1 Maximum (Input/Output) (@ -10 dBm Input Power)	1.8 :1 See Graph	1.8 :1 See Graph	1.9 :1 See Graph	
9	Mechanical Outline	See Outline Drawing Pass / Fail	Pass	Pass	Pass	
10	Weight:	< 3.0 OZ	Pass	Pass	Pass	
11	Seal	See Attached Seal Data Pass / Fail FINE LEAK: 1 X 10 ⁻⁶ ATM-cc/sec	Pass	Pass	Pass	PMI QA4

QA/QC Approval: *Cameron Kelley*

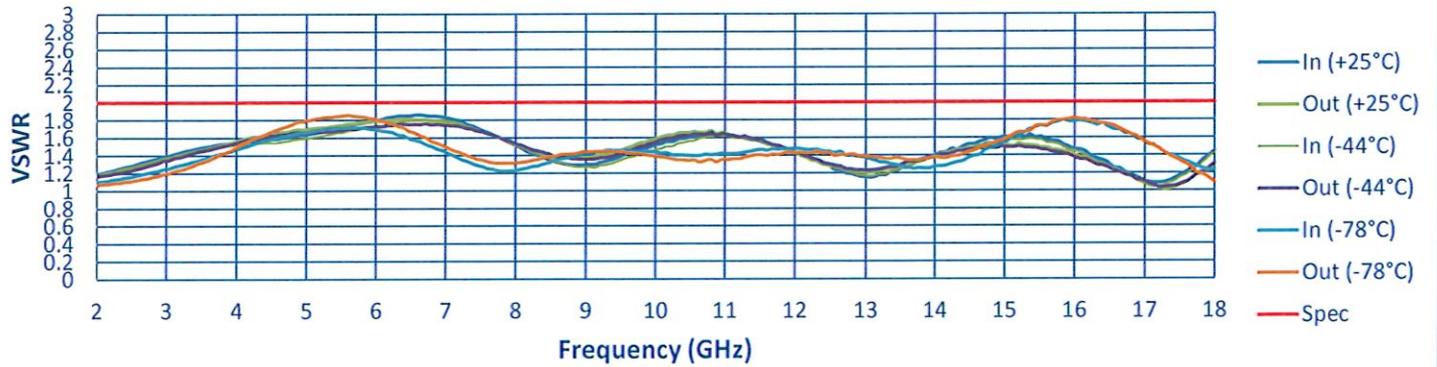
Date: 5/28/24

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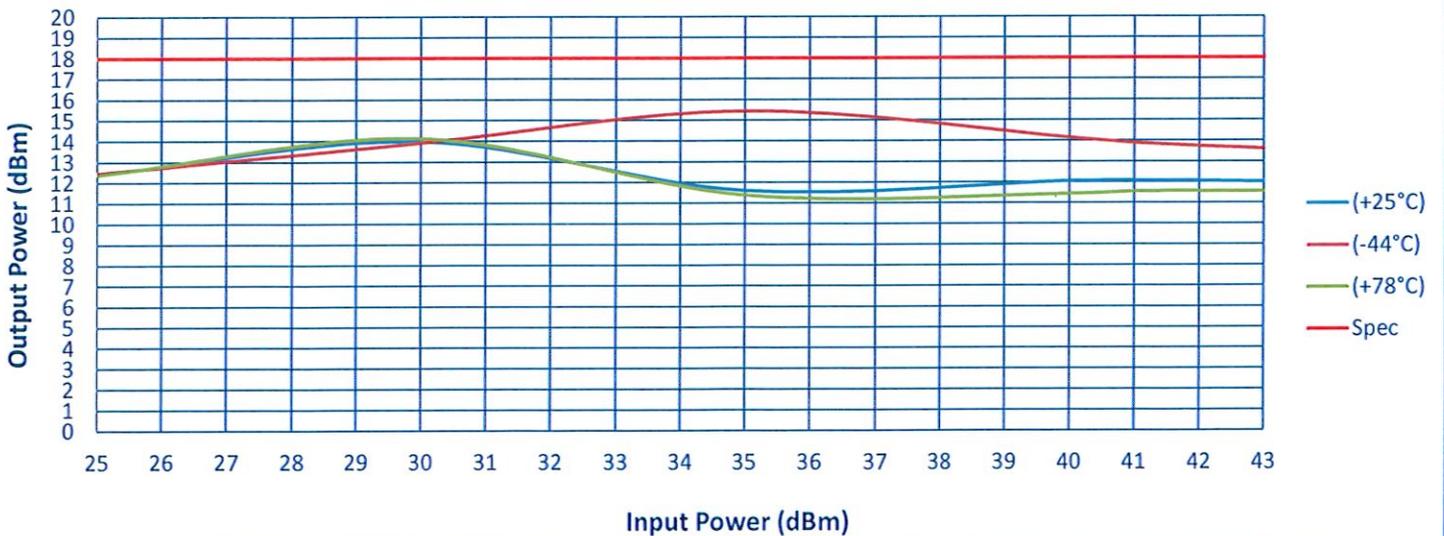
Insertion Loss



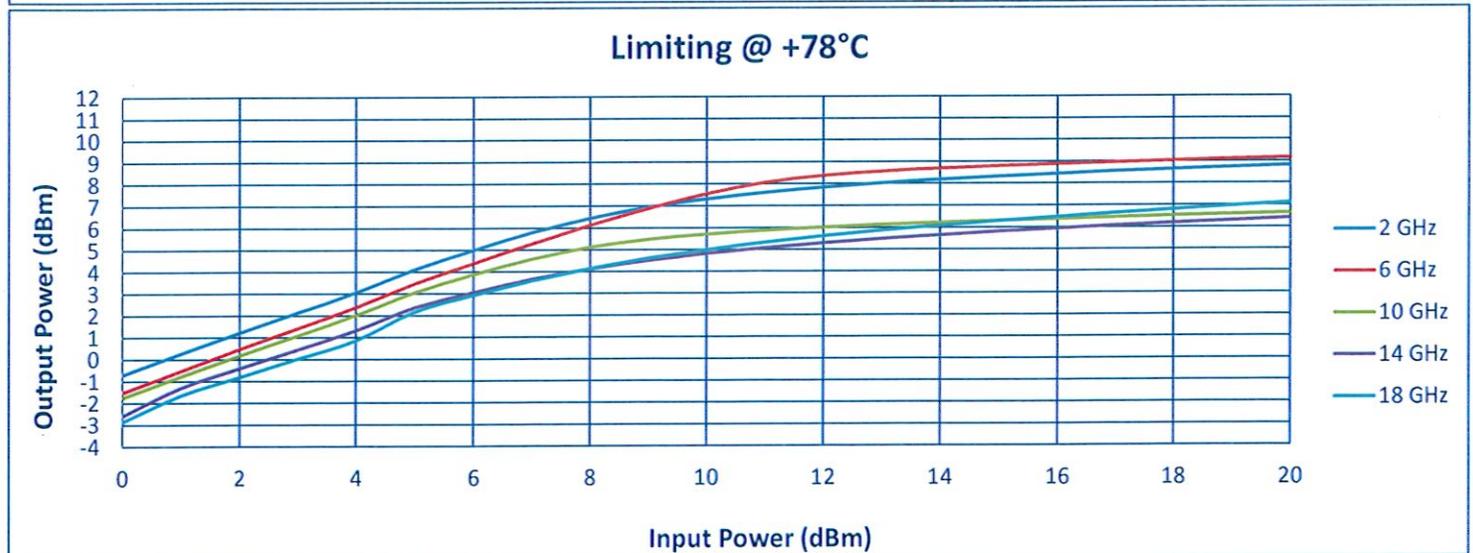
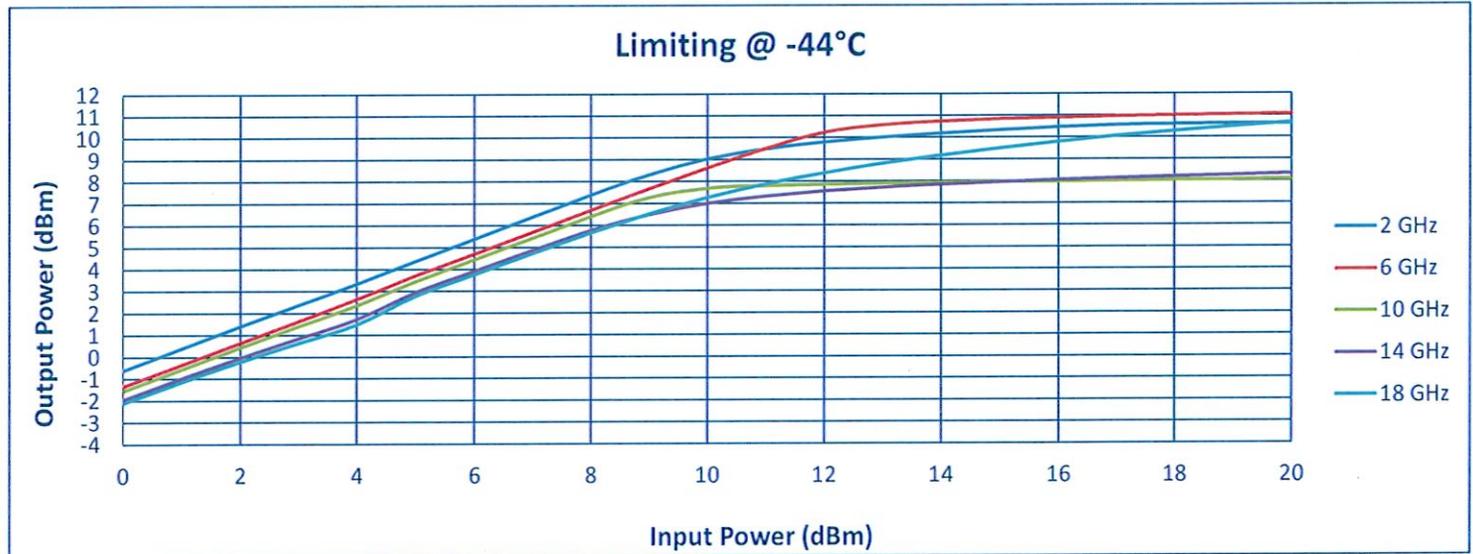
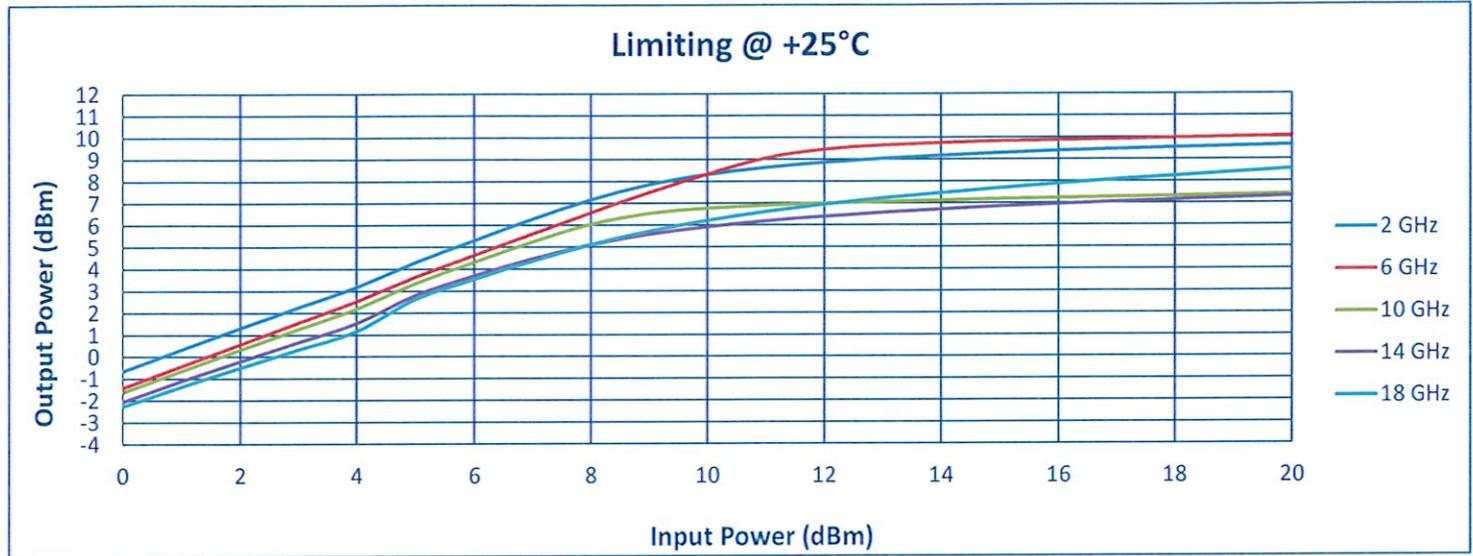
VSWR



High Power Test @ 8GHz



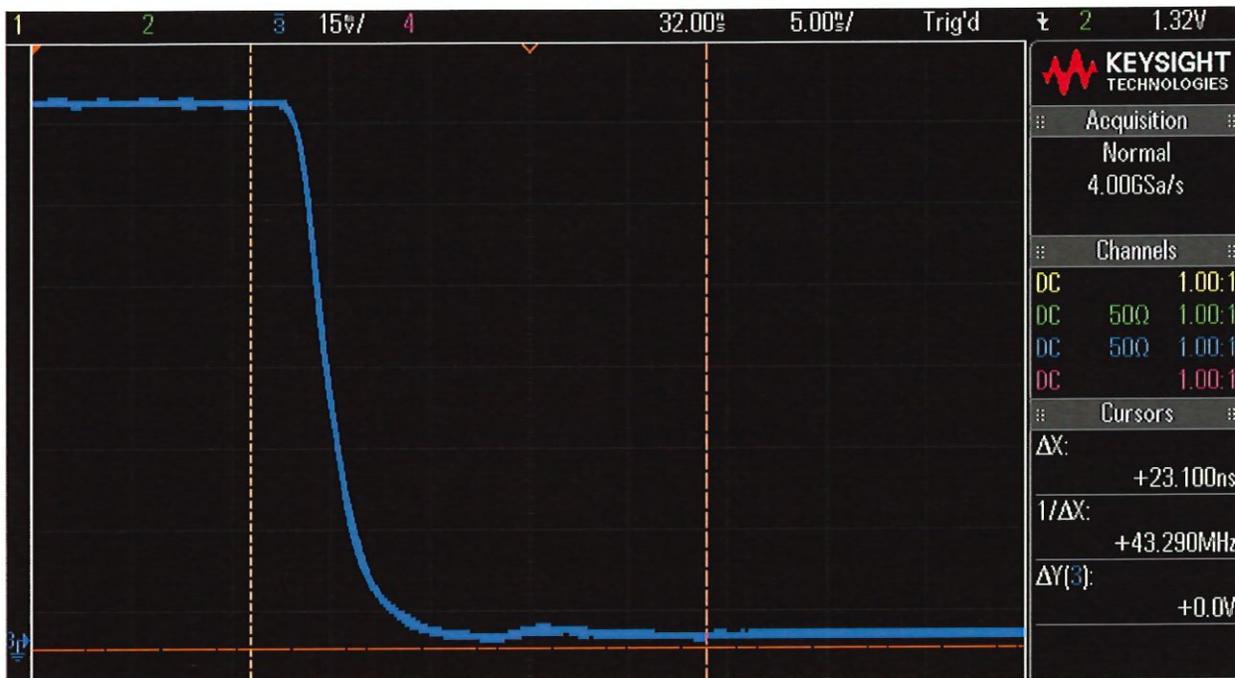
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SUMMARY TEST DATA ON LM-2G18G-18-20W-1KWP-SFF

Recovery Time

PW - 40µs, PRF - 2.5KHz, Duty Cycle - 10%



Full Pulse

