

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

Customer: _____
 SO No: _____
 Model No: LM-2G18G-18-20W-1KWP-SFF
 Serial No: PL59328/2617

Tested By: L. McGraw
 Date: 4/28/2026
 Drawing No: 27636740 REV: B1

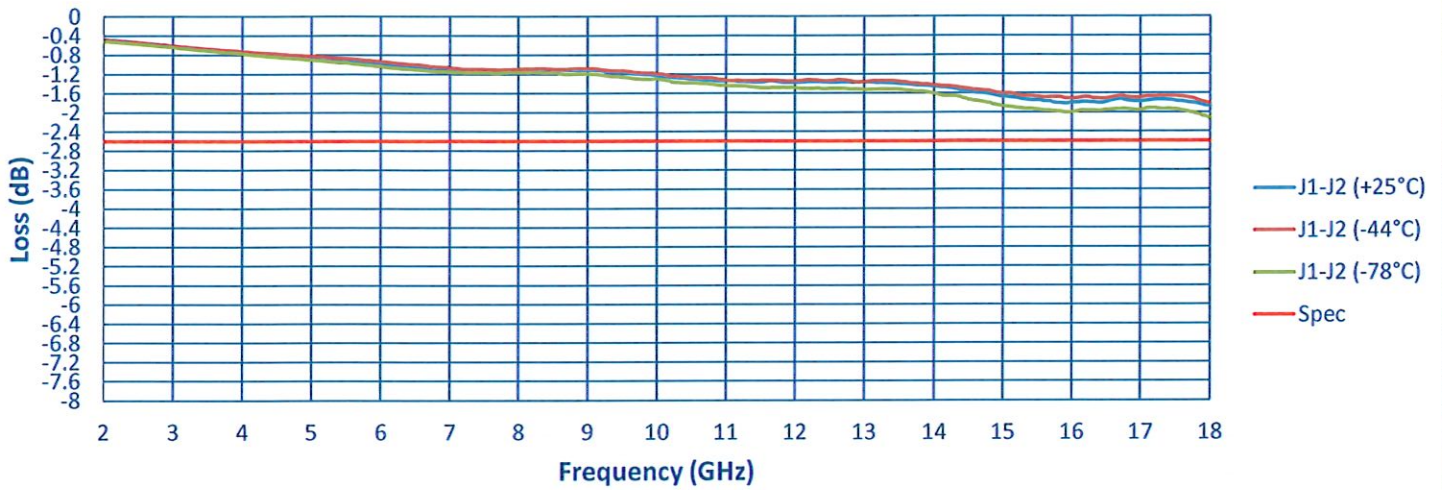
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results			QA QC
			+25°C	-44°C	+78°C	
1	Frequency Range:	2.0 to 18.0GHz	2.0 to 18.0 GHz	2.0 to 18.0 GHz	2.0 to 18.0 GHz	PMI QA5
2	RF Input Power:	20 Watts (+43 dBm) CW Maximum	Pass See Graph	Pass See Graph	Pass See Graph	
3	Peak Input Power:	100W (+50 dBm) Maximum @10% Duty Cycle & 40µs Pulse Width	X	X	X	
4	Limiting Threshold (P1dB):	≥ +5 dBm Minimum	9.0 dBm See Graph	10.0 dBm See Graph	6.0 dBm See Graph	
5	RF Leakage:	≤ +18 dBm Flat & Spike Maximum	14.6 dBm See Graph	14.9 dBm See Graph	14.0 dBm See Graph	
6	Recovery Time:	< 100 ns Maximum	23.5	23.5	23.5	
7	Insertion Loss:	2.6 dB Maximum (@ -10 dBm Input Power)	1.9 dBm See Graph	1.8 dBm See Graph	2.1 dBm See Graph	
8	VSWR:	2.0:1 Maximum (Input/Output) (@ -10 dBm Input Power)	1.5 :1 See Graph	1.5 :1 See Graph	1.6 :1 See Graph	
9	Mechanical Outline	See Outline Drawing Pass / Fail	Pass	X	X	
10	Weight:	< 3.0 OZ	Pass	X	X	
11	Seal	See Attached Seal Data Pass / Fail FINE LEAK: 1 X 10 ⁻⁶ ATM-cc/sec	Pass	X	X	

QA/QC Approval: *Jordan Byrd*

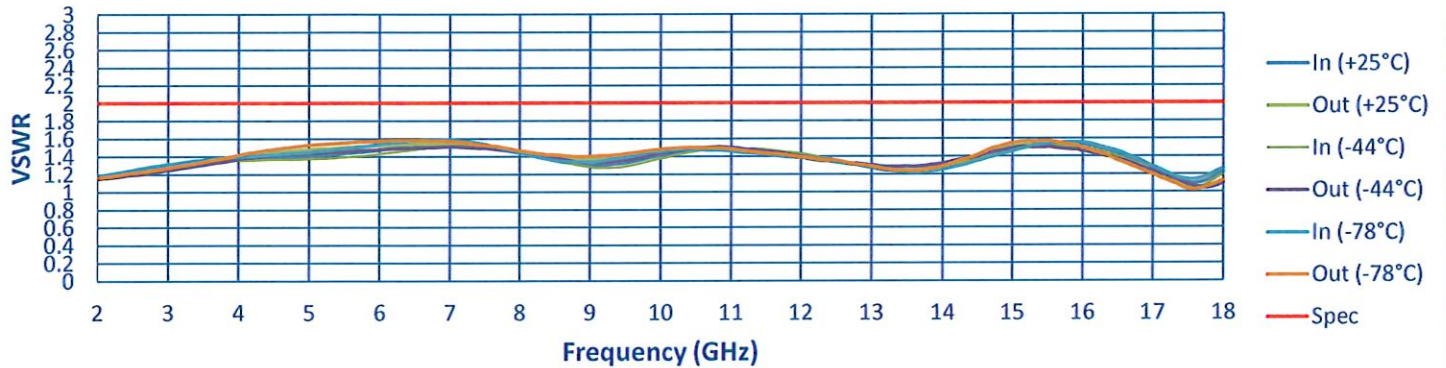
Date: 5-11-26

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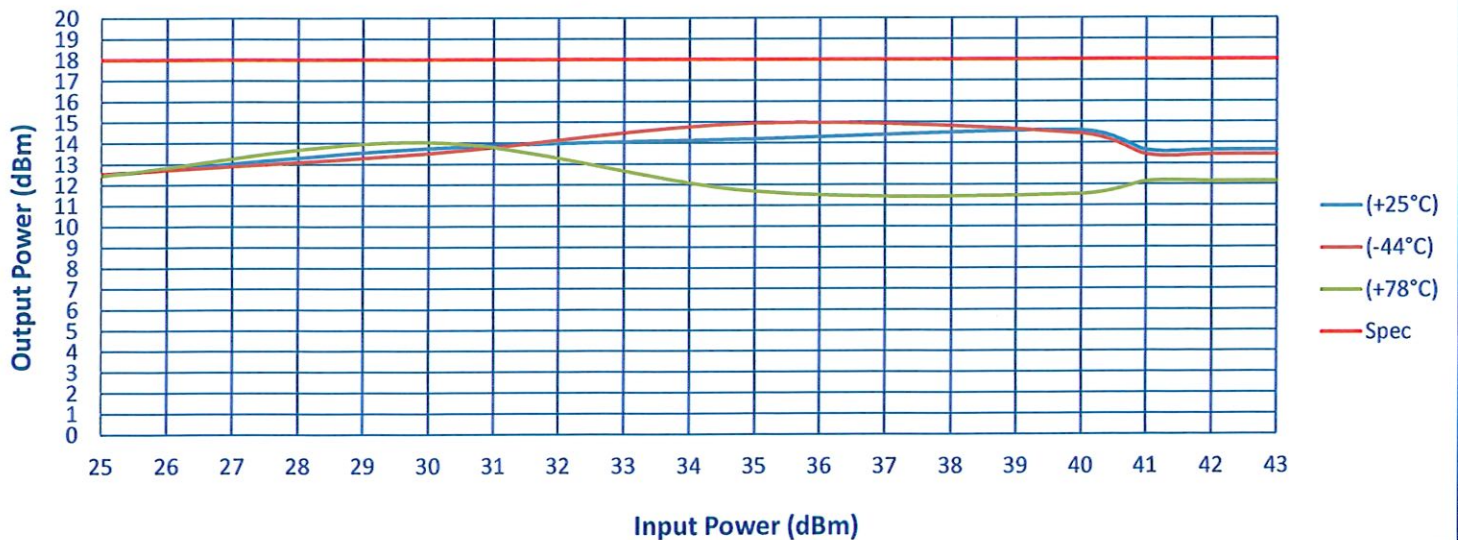
Insertion Loss



VSWR

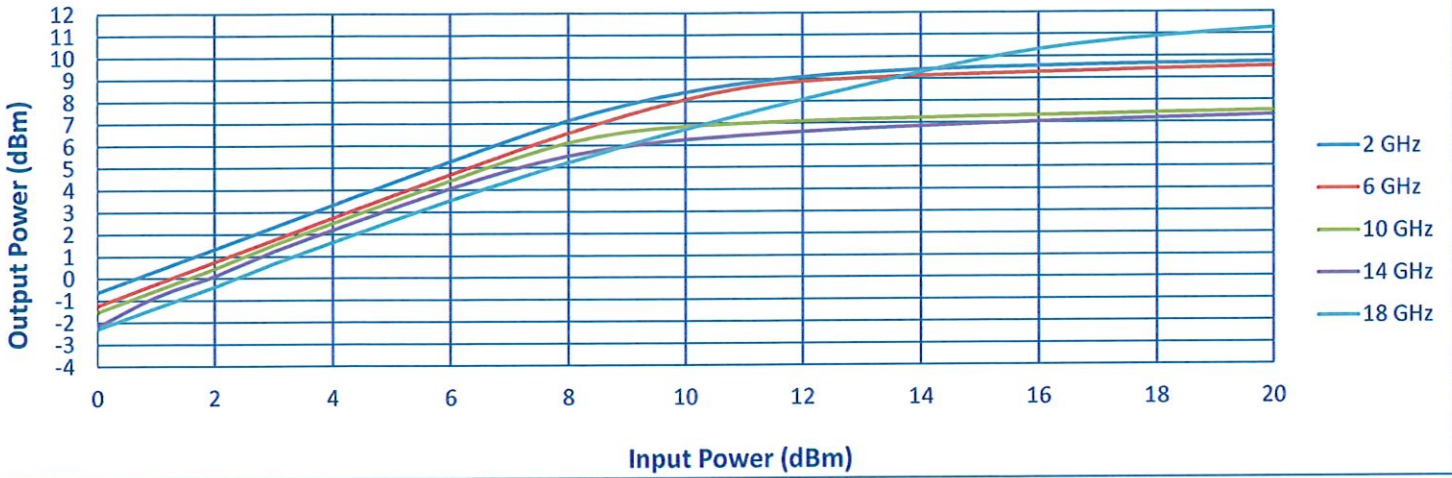


High Power Test @ 8GHz

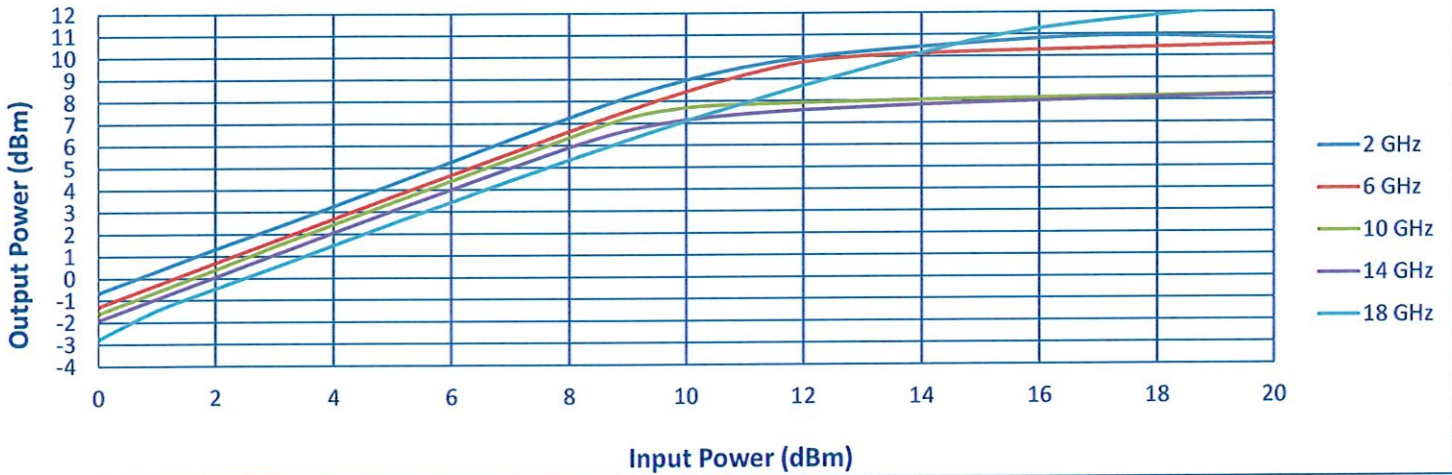


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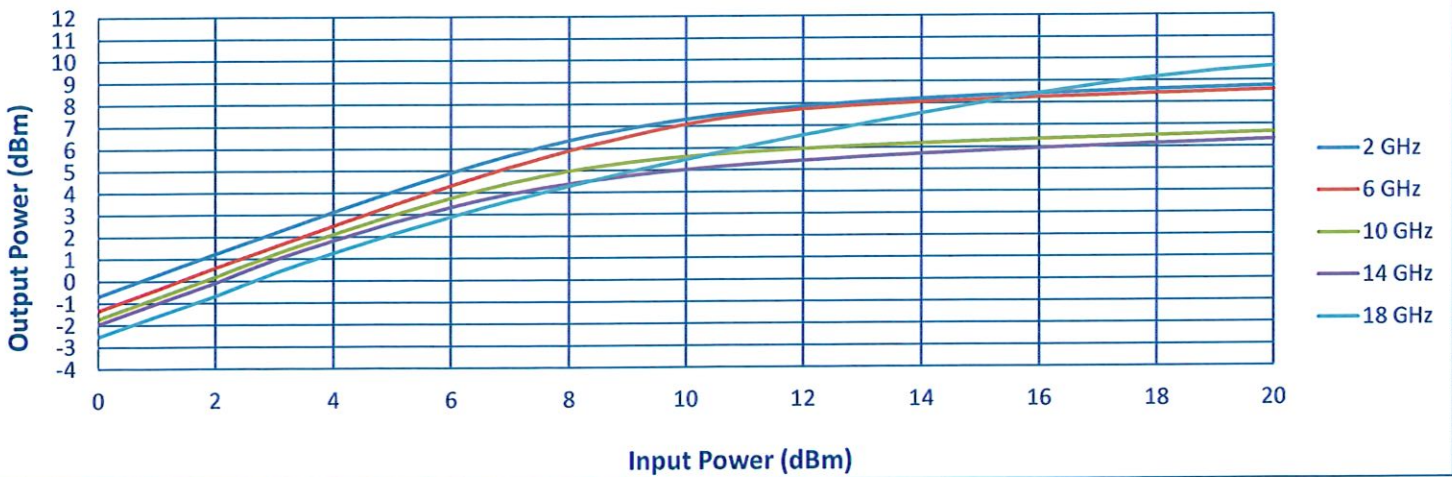
Limiting @ +25°C



Limiting @ -44°C



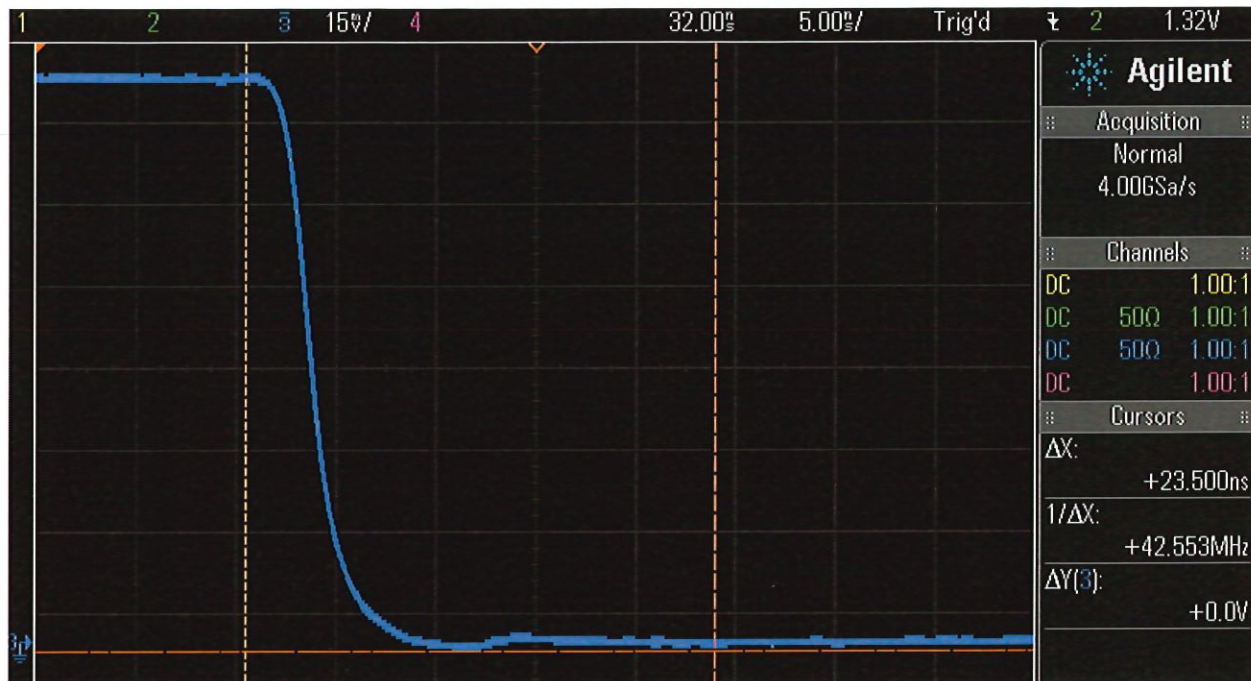
Limiting @ +78°C



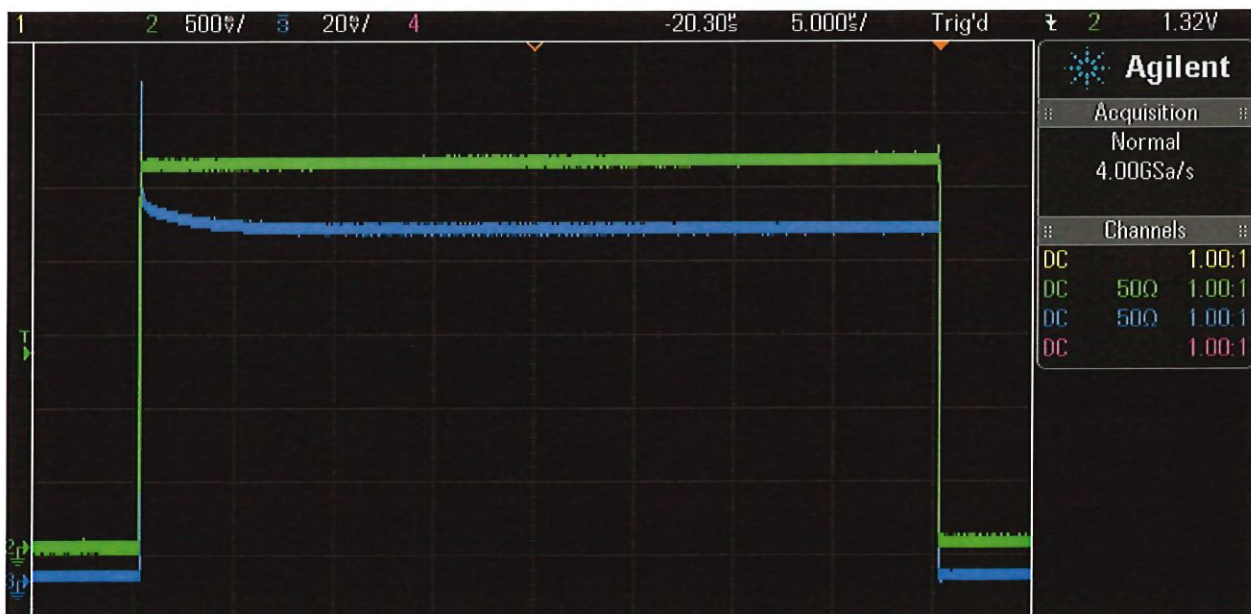
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Recovery Time

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



Full Pulse





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MECHANICAL OUTLINE TEST

TEST ITEM	PARAMETERS	SPECIFIED VALUE	RESULTS	REMARKS QA/QC
			+25°C	
1	**A	1.00 +/- 0.01 in	1.000 in	PMI QA5
2	**B	0.40 +/- 0.01 in	0.397 in	
3	**C	0.50 +/- 0.01 in	0.507 in	
			0.505 in	
4	**D	0.16 +/- 0.01 in	0.153 in	
			0.164 in	
5	**E	1.00 +/- 0.01 in	1.001 in	
6	*F	0.830 +/- 0.005 in	0.8337 in	
7	*G	0.830 +/- 0.005 in	0.8302 in	
8	**H	0.085 +/- 0.005 in	0.0804 in	
9	**I	0.085 +/- 0.005 in	0.0882 in	
10	**J	0.085 +/- 0.005 in	0.0822 in	
11	**K	0.085 +/- 0.005 in	0.0876 in	
12	*L	0.120 +/- 0.005 in	0.1195 Ø	PMI QA5
			0.1182 Ø	

***Note: Production Test Dimensions and Quality Test Dimensions**

****Note: Quality Mechanical Deminsions for ONLY Quality Testing**