



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

Customer: _____
 SO No: _____
 Model No: LM-2G18G-18-20W-1KWP-SFF
 Serial No: PL33676/2134

Tested By: Tin M. L & Bryan K.
 Date: 9/7/2021
 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 QA1	
2	RF Input Power:	+43 dBm CW Maximum	Pass See Graph	Pass See Graph	Pass See Graph		
3	Peak Input Power:	+50 dBm Maximum @10% Duty Cycle & 40µs Pulse Width	X	X	X		
4	Limiting Threshold (P1dB):	+5 dBm Minimum	+7 dBm See Graph	+8 dBm See Graph	+5 dBm See Graph		
5	RF Leakage:	+18 dBm Flat & Spike Maximum	+12.63 dBm See Graph	+12.98 dBm See Graph	+13.07 dBm See Graph		
6	Recovery Time:	< 100 ns	11.44 ns See Plot	11.44 ns See Plot	11.44 ns See Plot		
7	Insertion Loss:	2.6 dB Maximum (@ -10 dBm Input Power)	1.82 dB See Graph	1.49 dB See Graph	2.03 dB See Graph		
8	VSWR:	2.0:1 Maximum (Input/Output) (@ -10 dBm Input Power)	1.9:1 See Graph	1.86:1 See Graph	1.91:1 See Graph		
9	Mechanical Outline	See Outline Drawing Pass / Fail	Pass	X	X		
10	Weight:	3.0 OZ Maximum	Pass	X	X		
11	Seal	See Attached Seal Data Pass / Fail FINE LEAK: 1 X 10 ⁻⁶ ATM- cc/sec	Pass	X	X		PMI QA1

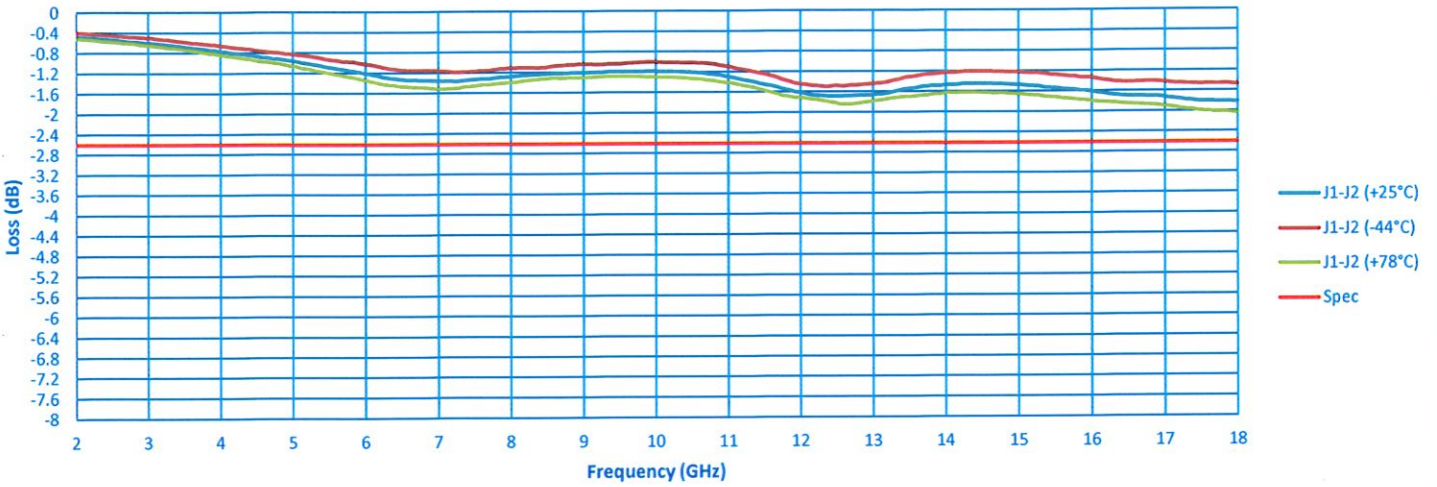
QA/QC Approval:  PMI
QA1

Date: 9/22/21

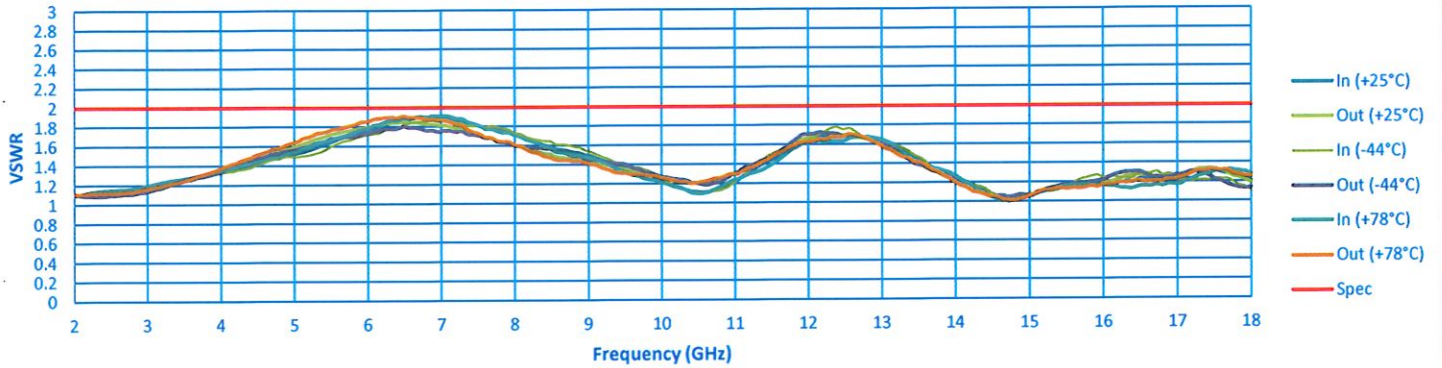


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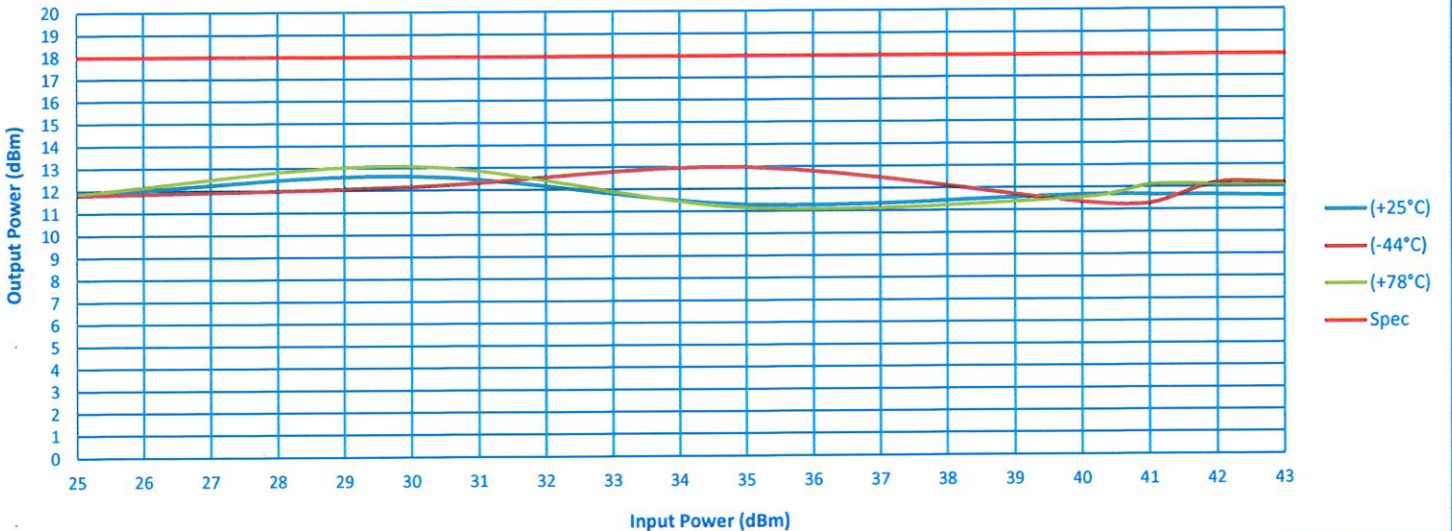
Insertion Loss



VSWR



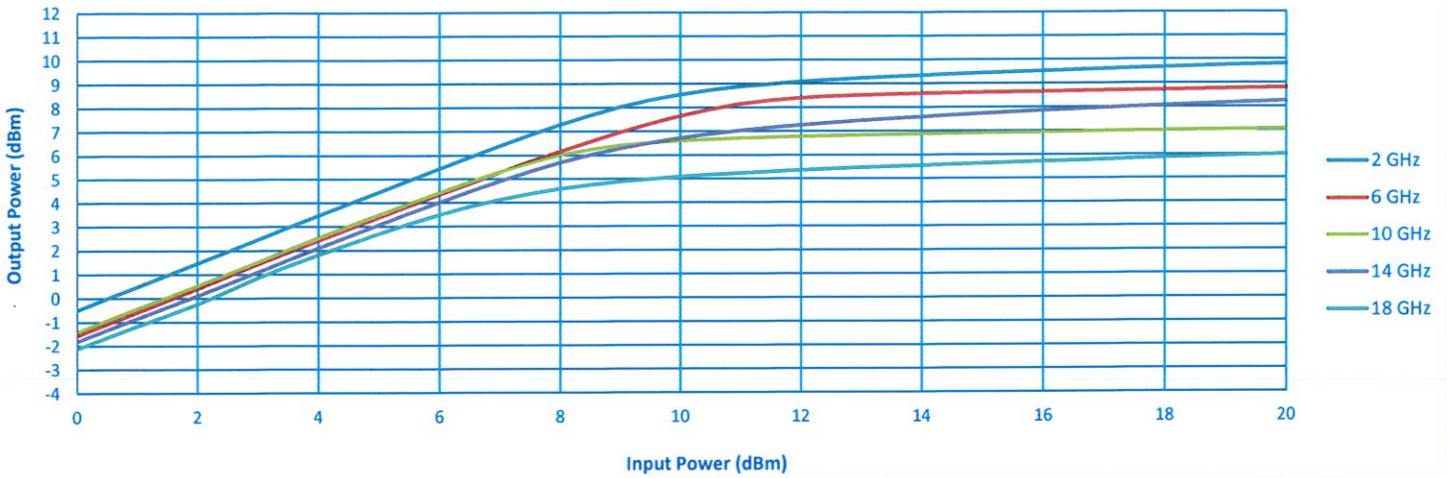
High Power Test @ 8GHz



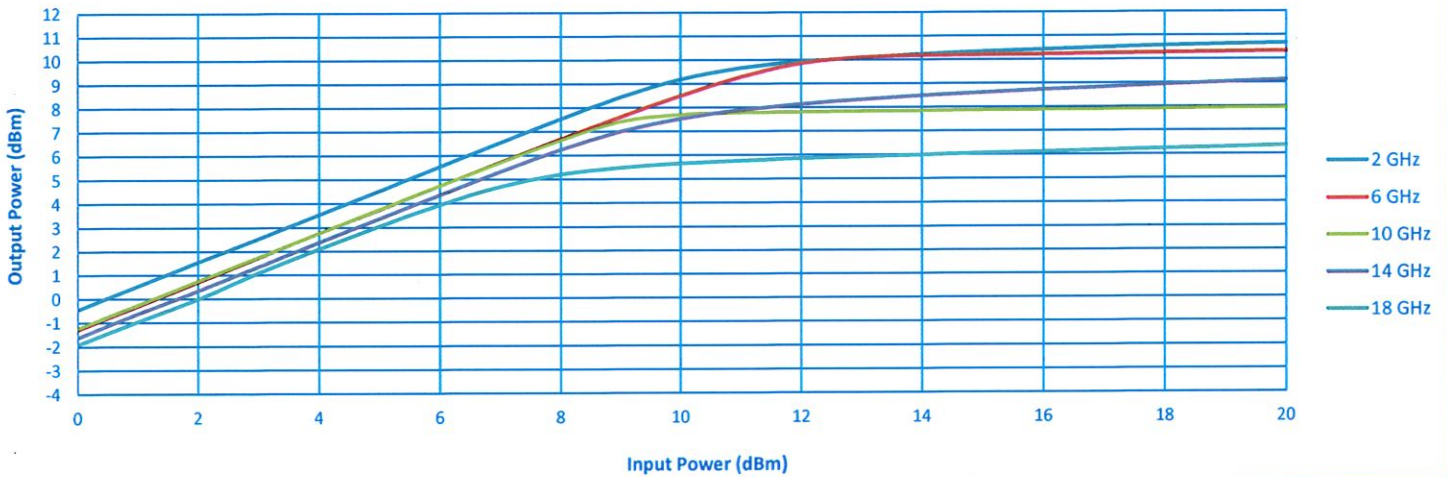


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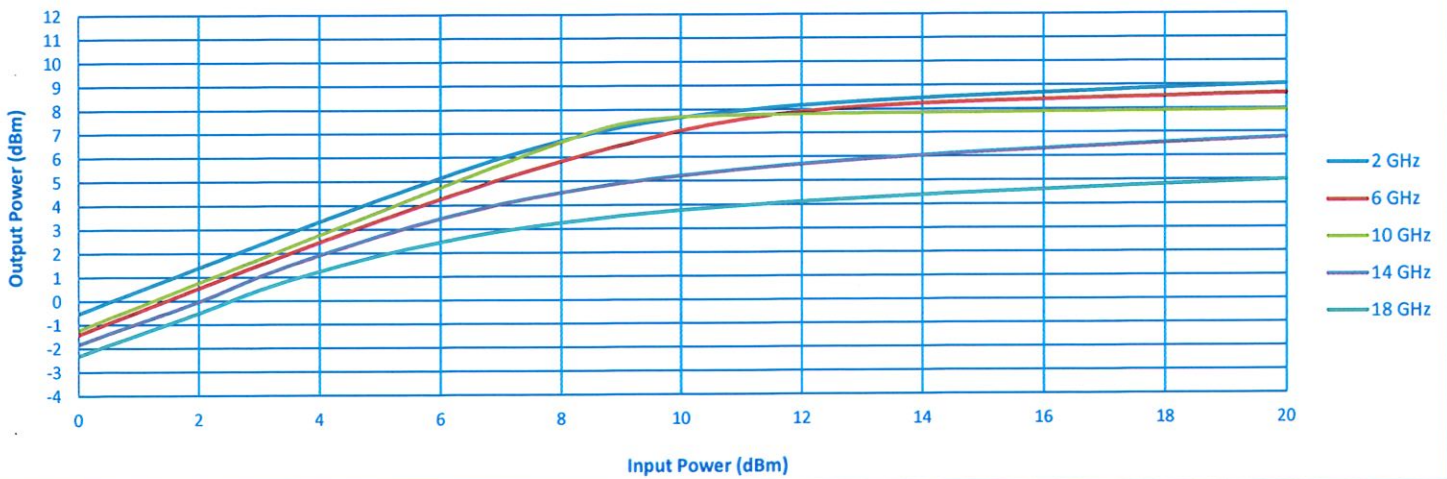
Limiting @ +25°C



Limiting @ -44°C



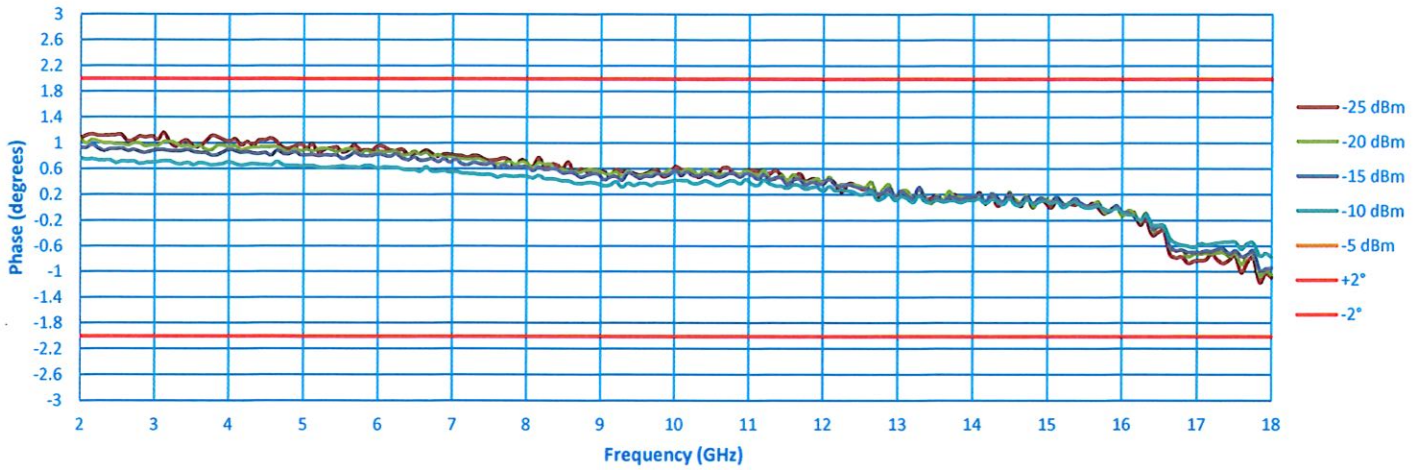
Limiting @ +78°C



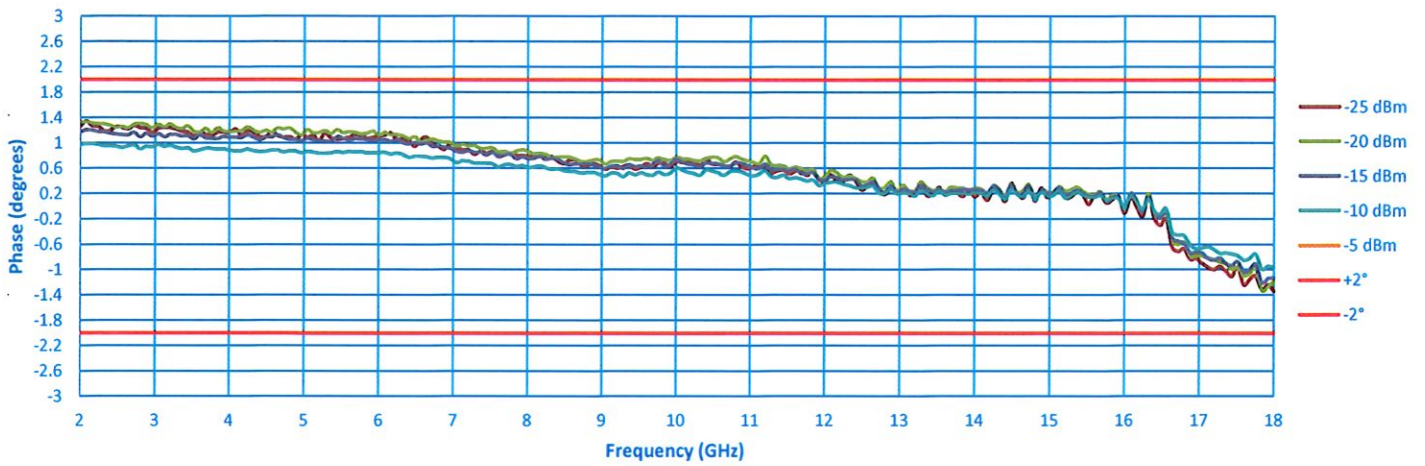


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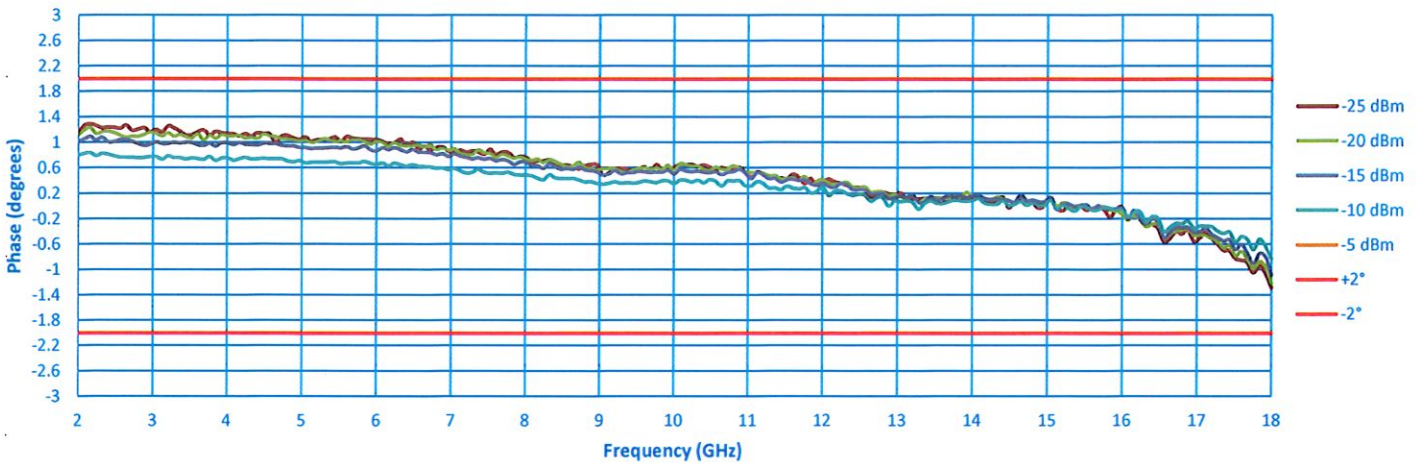
Insertion Phase @ +25°C



Insertion Phase @ -44°C



Insertion Phase @ +78°C





**SUMMARY TEST DATA
ON
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MECHANICAL OUTLINE TEST

TEST ITEM	PARAMETERS	SPECIFIED VALUE	RESULTS	REMARKS QA/QC
			+25°C	
1	**A	1.00 in	1.01 in	PMI QA1
2	**B	0.40 in	0.41 in	
3	**C	0.50 in	0.51 in	
4	**D	0.16 in	0.16 in	
5	**E	1.00 in	1.01 in	
6	*F	0.830 in	0.832 in	
7	*G	0.830 in	0.831 in	
8	**H	0.085 in	0.086 in	
9	**I	0.085 in	0.085 in	
10	**J	0.085 in	0.083 in	
11	**K	0.085 in	0.087 in	
12	*L	0.120 Ø	0.116 Ø	

*Note: Production Test Dimensions and Quality Test Dimensions

**Note: Quality Mechanical Dimensions for ONLY Quality Testing