



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

Customer: _____
 SO No: _____
 Model No: LM-2G18G-18-20W-1KWP-SFF
 Serial No: PL32961/2127

Tested By: Tin M. L & Bryan K.
 Date: 9/22/2021
 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	+6 dBm See Graph	+6 dBm See Graph	+5 dBm See Graph	
5	RF Leakage:	+18 dBm Flat & Spike Maximum	+12.6 dBm See Graph	+12.6 dBm See Graph	+12.95 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)	1.71 dB See Graph	1.55 dB See Graph	1.91 dB See Graph	
8	VSWR:	2.0:1 Maximum (Input/Output) (@ -10 dBm Input Power)	1.87:1 See Graph	1.82:1 See Graph	1.94:1 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

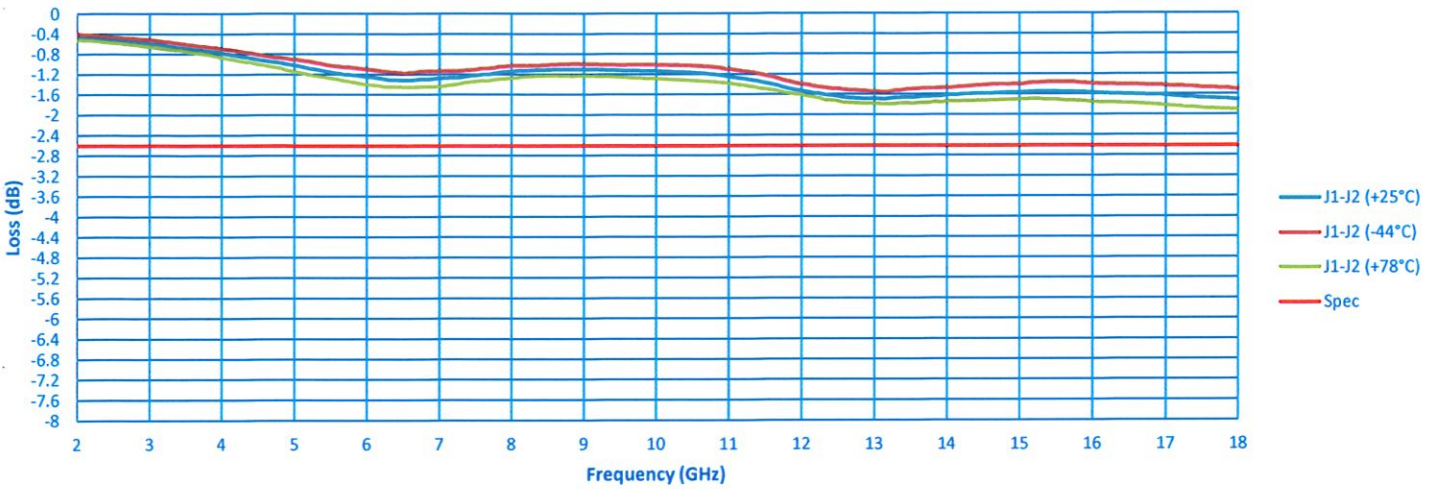
QA/QC Approval:  PMI
QA1

Date: 9/22/21

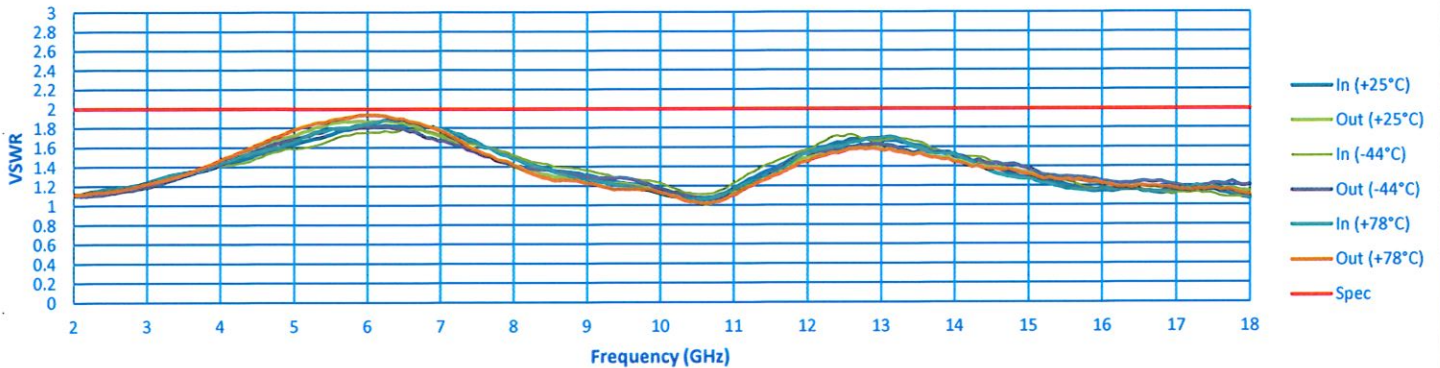


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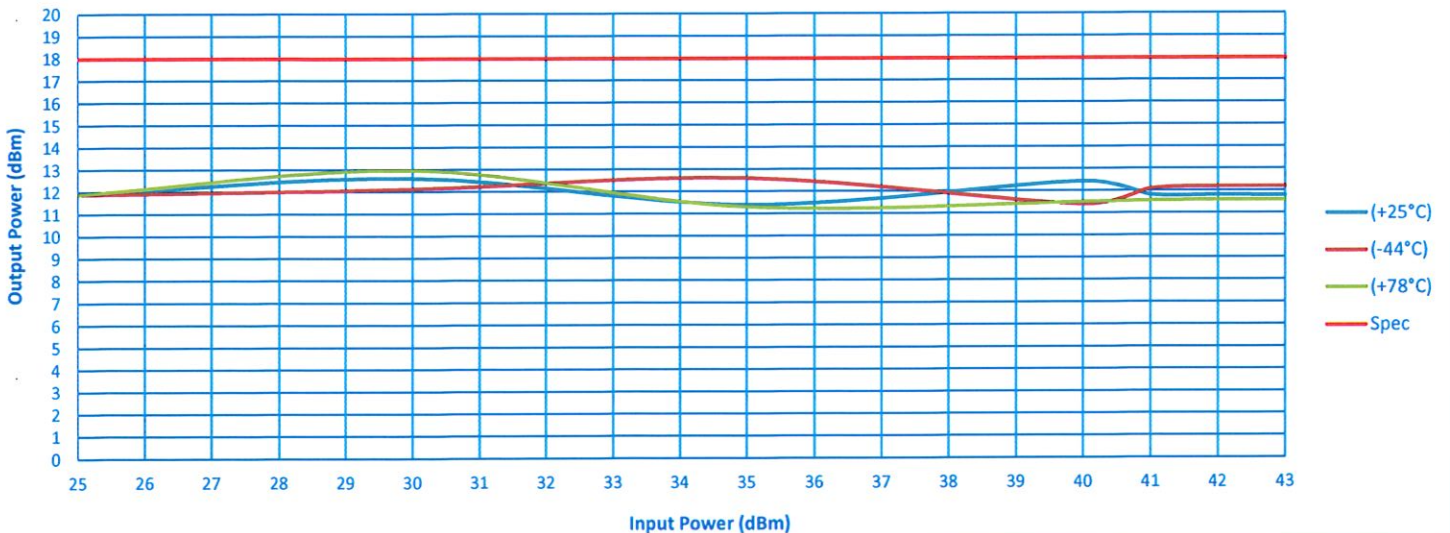
Insertion Loss



VSWR



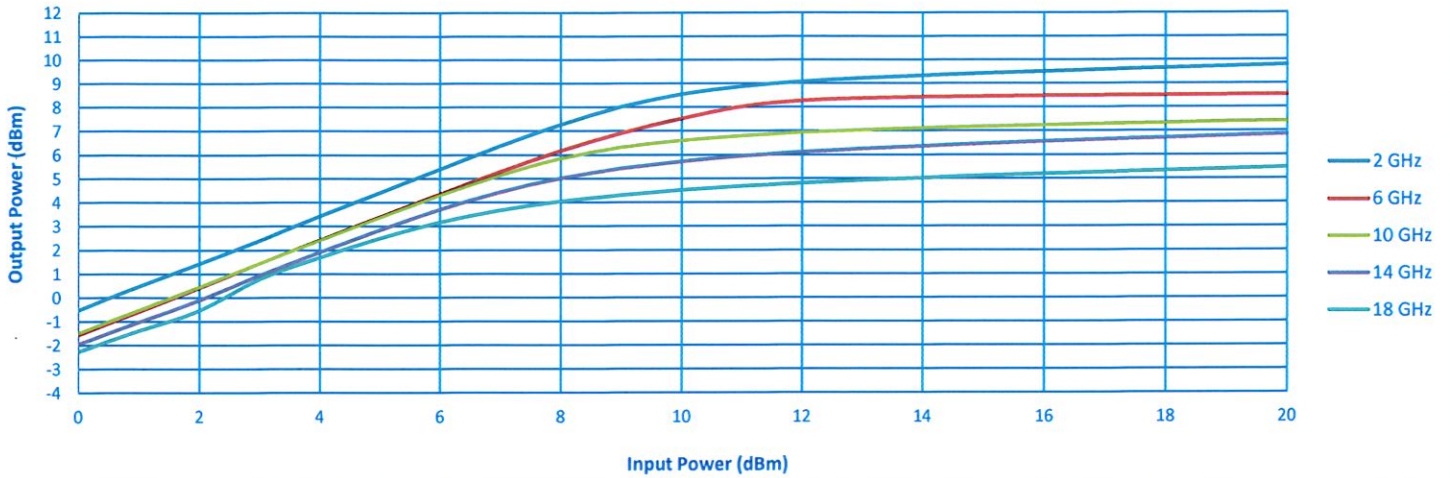
High Power Test @ 8GHz



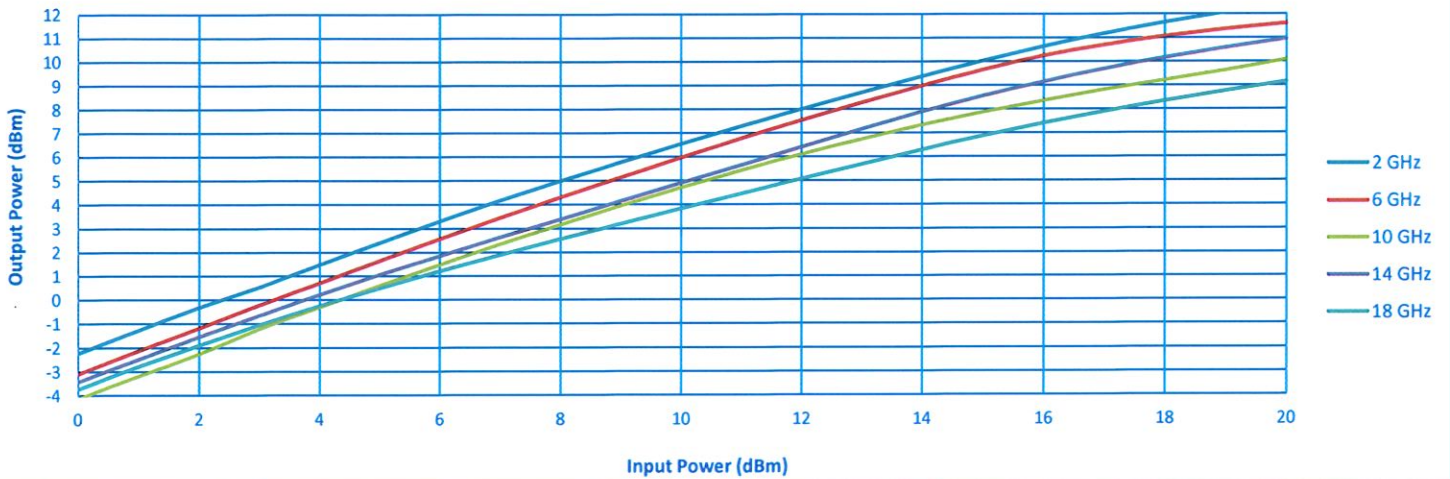


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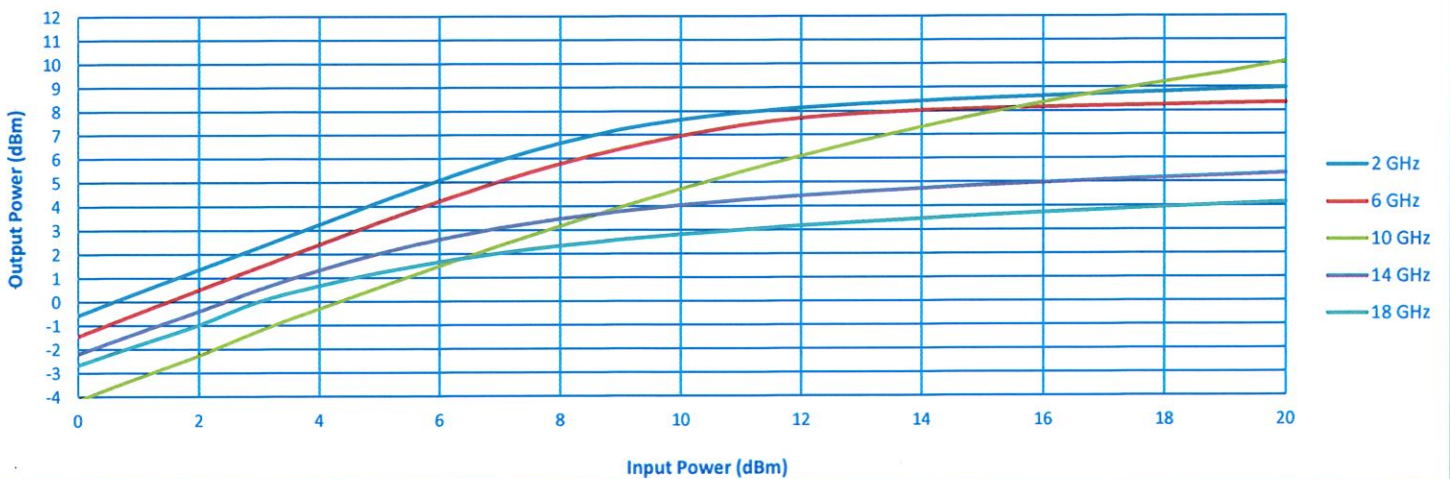
Limiting @ +25°C



Limiting @ -44°C



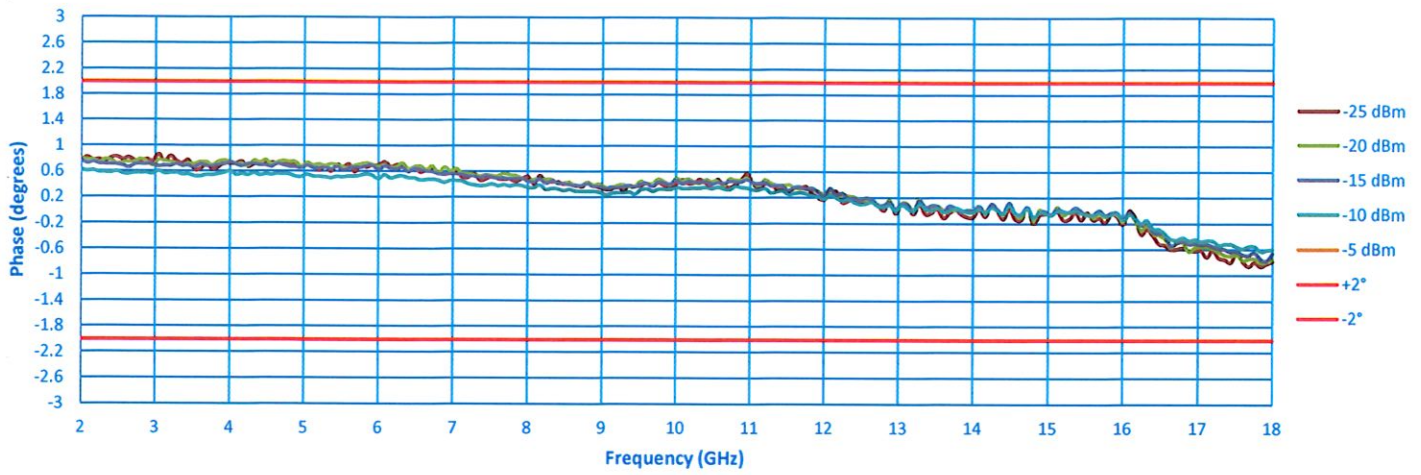
Limiting @ +78°C



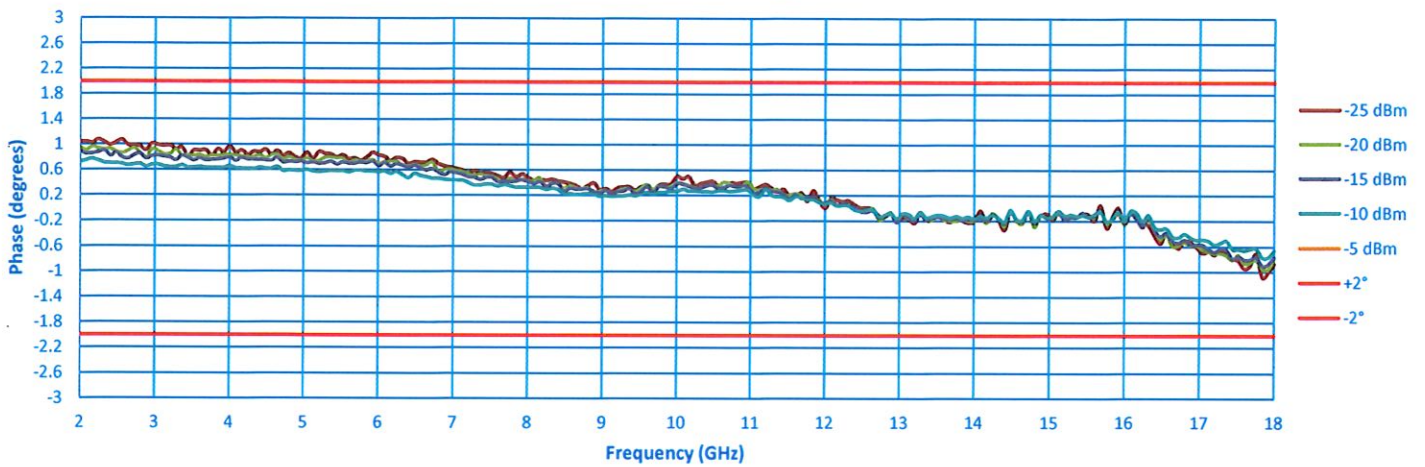


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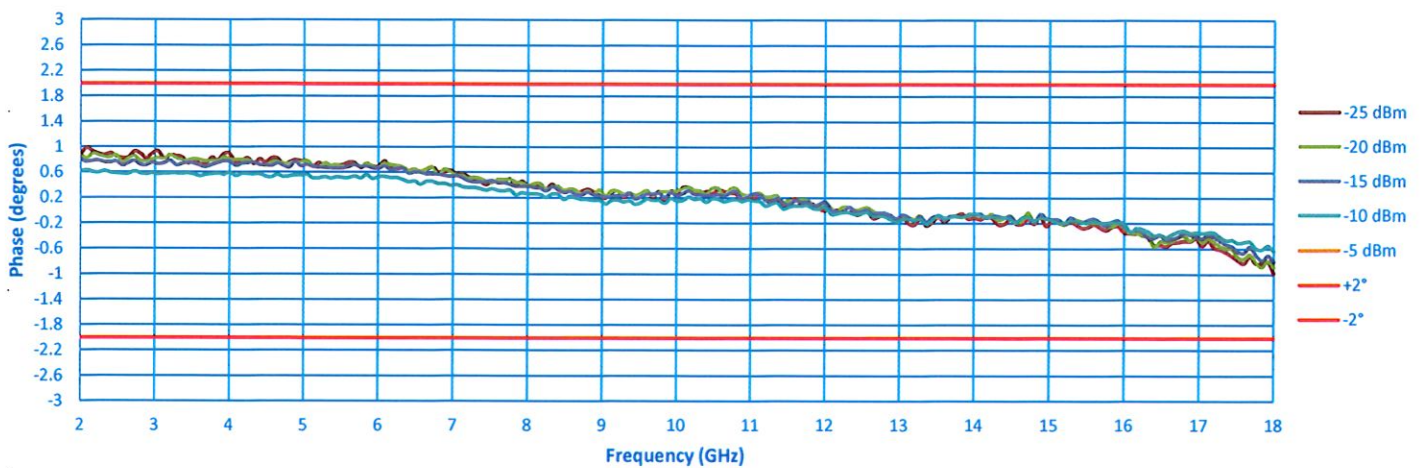
Insertion Phase @ +25°C



Insertion Phase @ -44°C



Insertion Phase @ +78°C





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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	0.50 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	0.833 in		
8	**H	0.085 in	0.086 in		
9	**I	0.085 in	0.085 in		
10	**J	0.085 in	0.084 in		
11	**K	0.085 in	0.087 in		
12	*L	0.120 Ø	0.118 Ø		PMI QA1

*Note: Production Test Dimensions and Quality Test Dimensions

**Note: Quality Mechanical Deminisions for ONLY Quality Testing