

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

Customer: _____
SO No: _____
Model No: LM-2G18G-18-20W-1KWP-SFF
Serial No: PL59299/2617

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

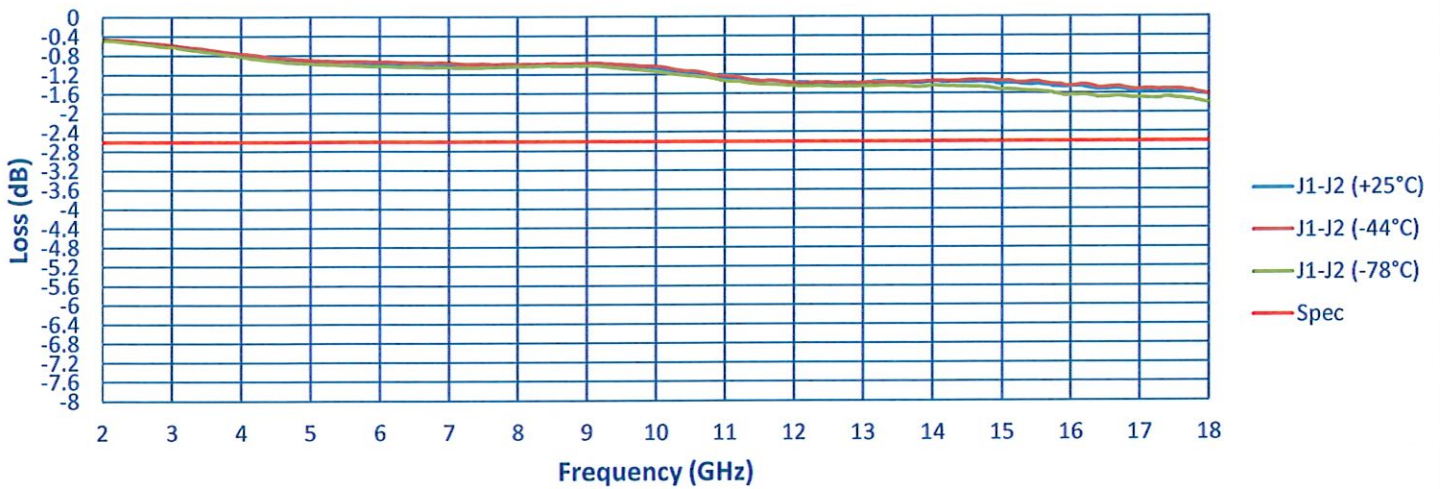
| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | Test Results | | | QA QC | |
|---------------|----------------------------|--|-----------------------|-----------------------|-----------------------|------------|------------|
| | | | +25°C | -44°C | +78°C | | |
| 1 | Frequency Range: | 2.0 to 18.0 GHz | 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 | PMI QA5 | |
| 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 | 10.0 dBm See Graph | 6.0 dBm See Graph | | |
| 5 | RF Leakage: | ≤ +18 dBm Flat & Spike Maximum | 14.1 dBm See Graph | 14.8 dBm See Graph | 14.1 dBm See Graph | | |
| 6 | Recovery Time: | < 100 ns Maximum | 23.6 | 23.6 | 23.6 | | |
| 7 | Insertion Loss: | 2.6 dB Maximum (@ -10 dBm Input Power) | 1.6 dBm See Graph | 1.6 dBm See Graph | 1.8 dBm See Graph | | |
| 8 | VSWR: | 2.0:1 Maximum (Input/Output) (@ -10 dBm Input Power) | 1.7 :1 See Graph | 1.6 :1 See Graph | 1.7 :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 QA5 |

QA/QC Approval: *Jordan Boyd*

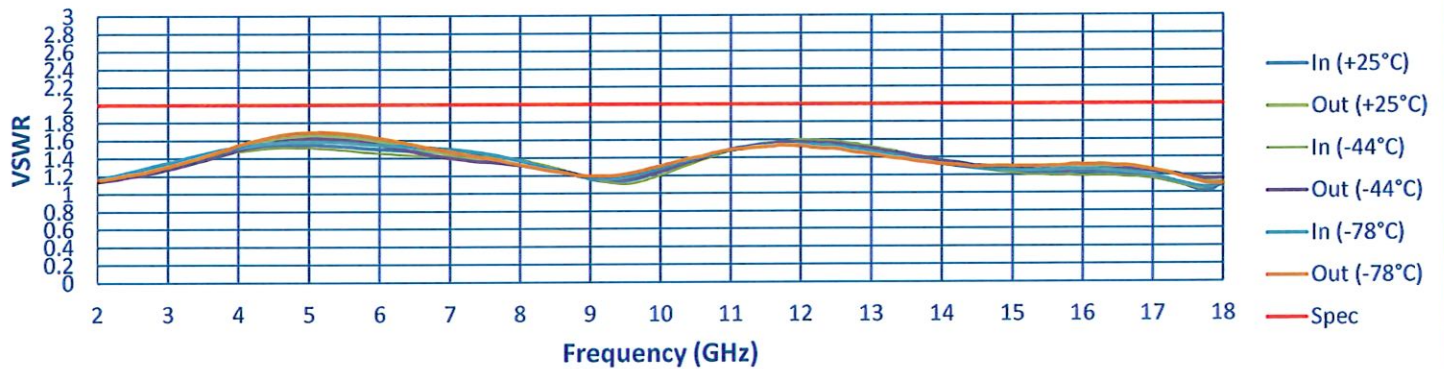
Date: 5-11-26

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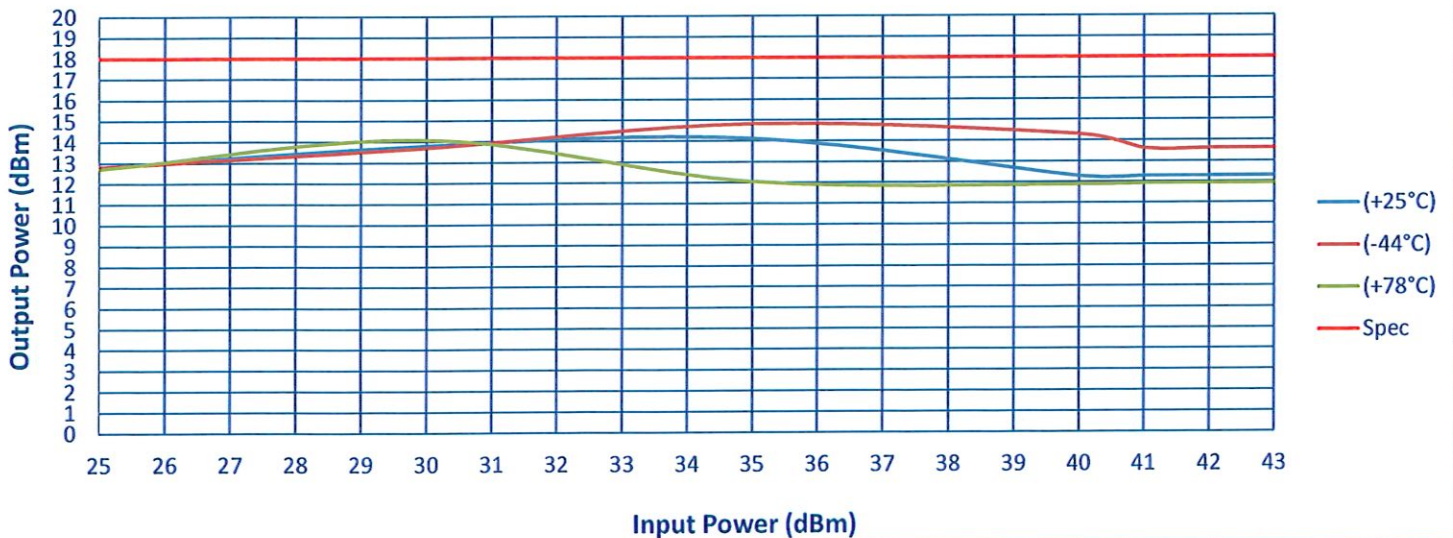
Insertion Loss



VSWR

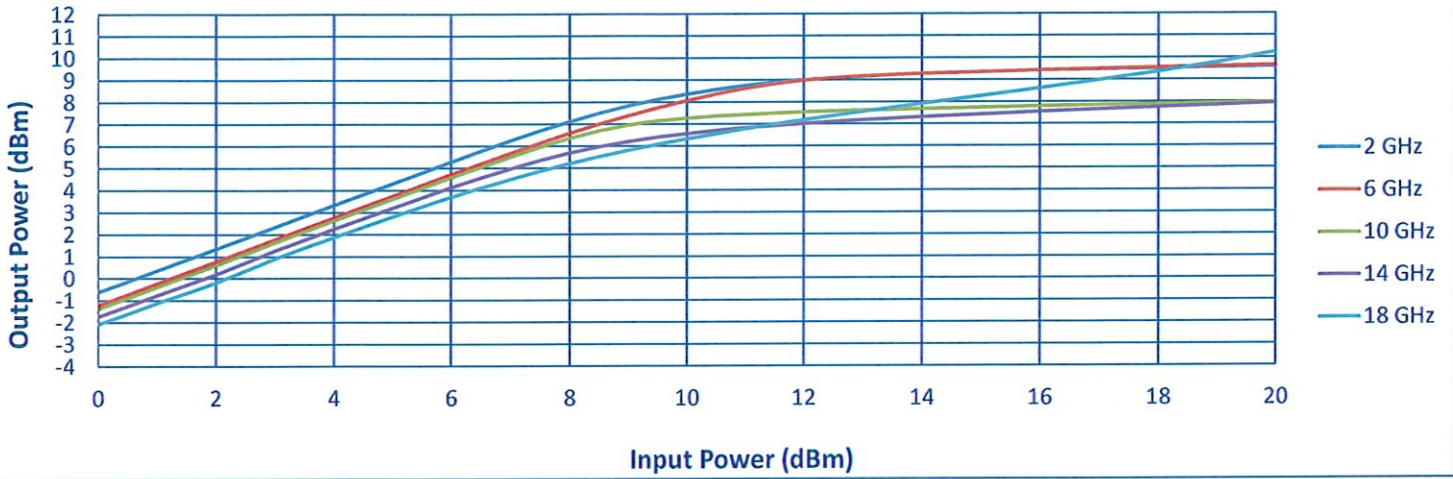


High Power Test @ 8GHz

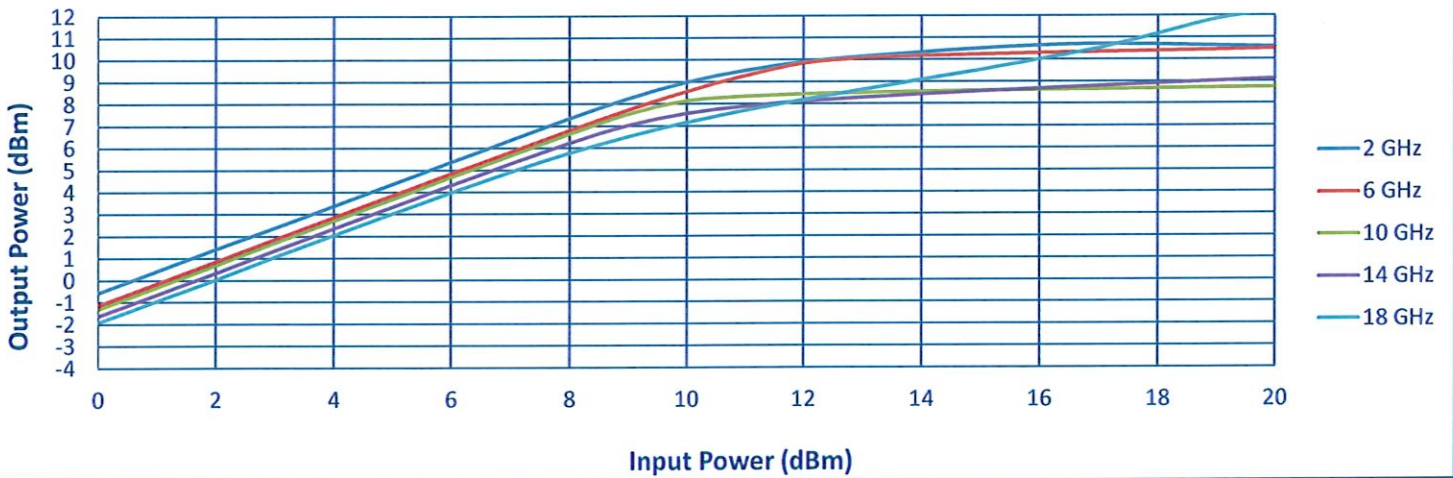


SUMMARY TEST DATA ON LM-2G18G-18-20W-1KWP-SFF

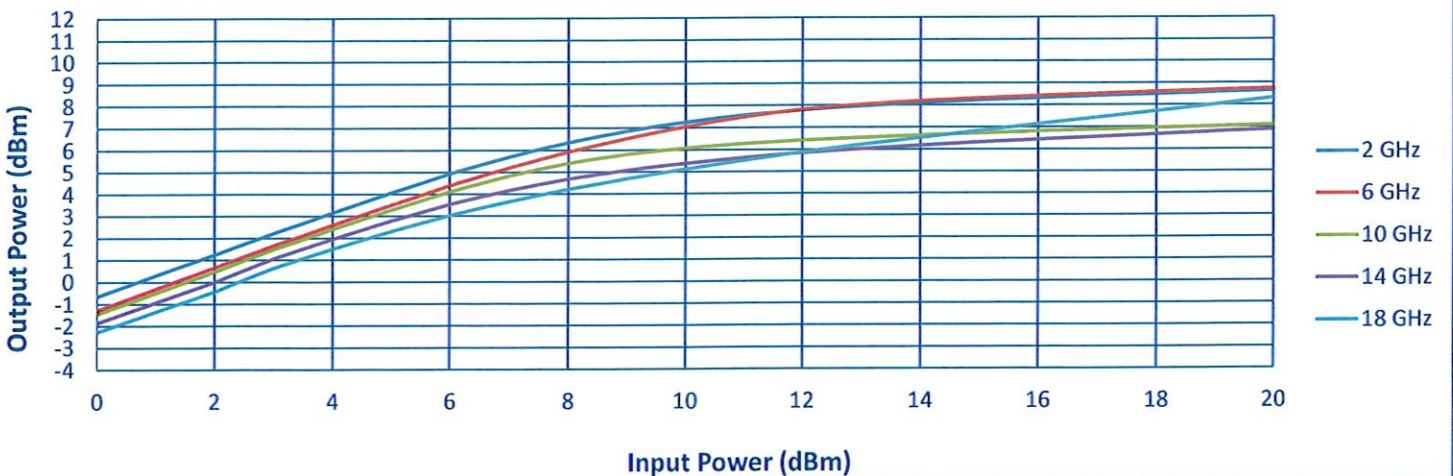
Limiting @ +25°C



Limiting @ -44°C



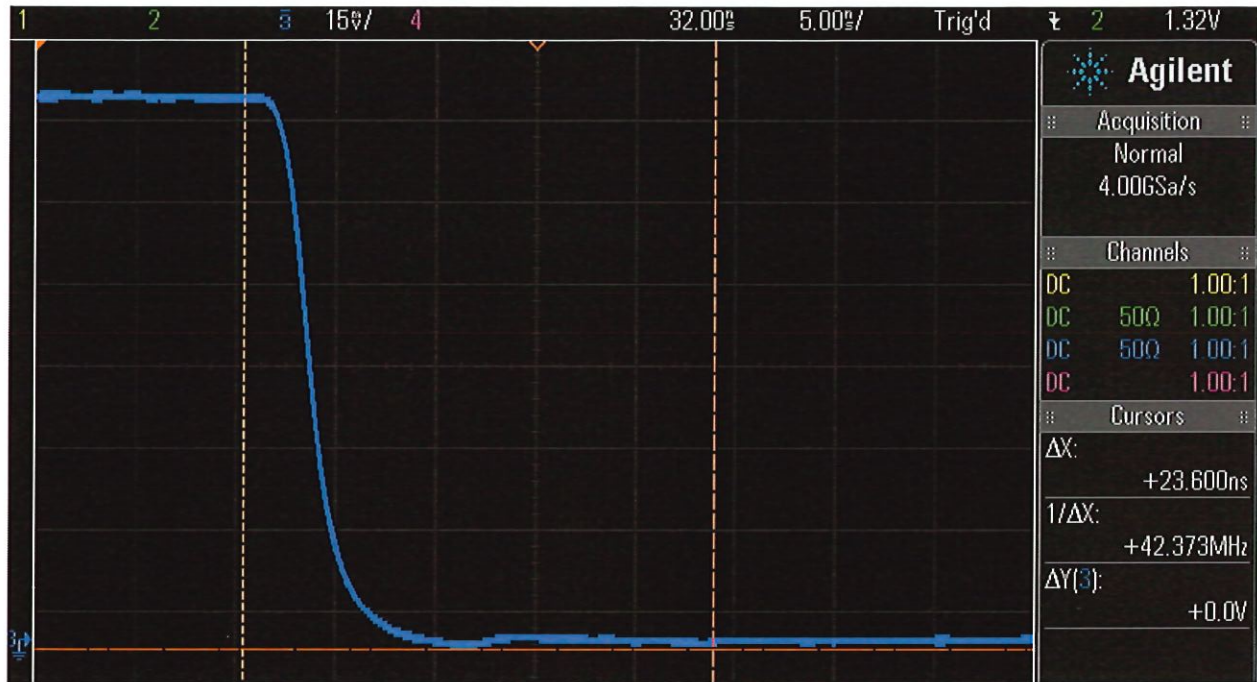
Limiting @ +78°C



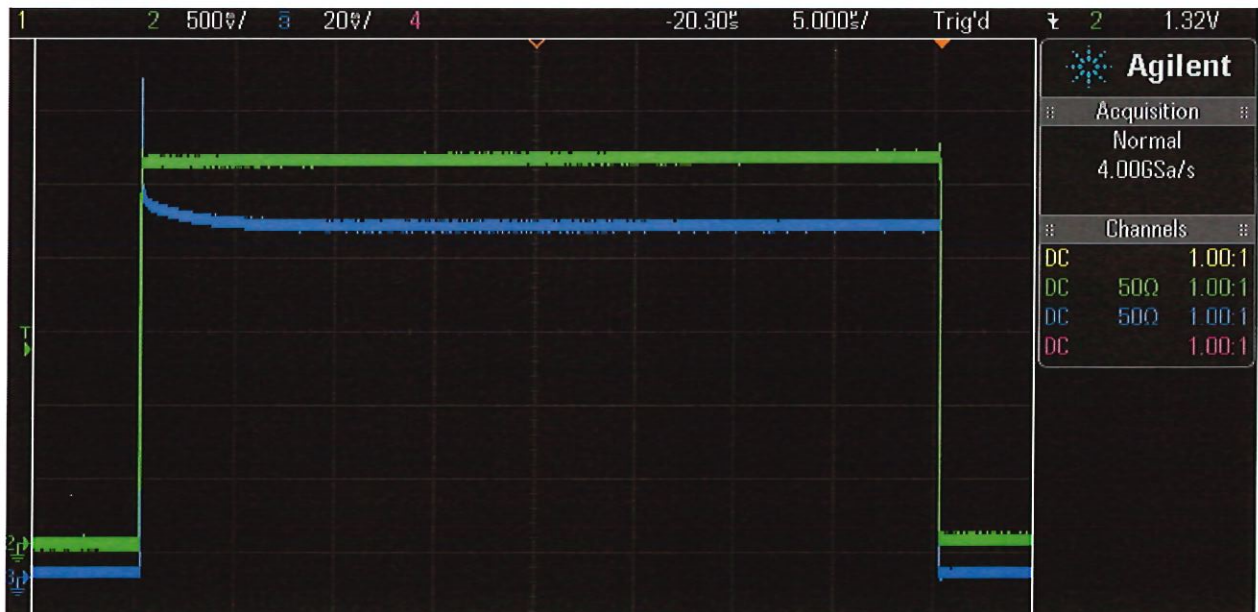
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Recovery Time

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 | 1.002 in | PMI QA5 |
| 2 | **B | 0.40 +/- 0.01 in | 0.396 in | |
| 3 | **C | 0.50 +/- 0.01 in | 0.497 in | |
| | | | 0.509 in | |
| 4 | **D | 0.16 +/- 0.01 in | 0.153 in | |
| | | | 0.167 in | |
| 5 | **E | 1.00 +/- 0.01 in | 1.000 in | |
| 6 | *F | 0.830 +/- 0.005 in | 0.8289 in | |
| 7 | *G | 0.830 +/- 0.005 in | 0.8254 in | |
| 8 | **H | 0.085 +/- 0.005 in | 0.0842 in | |
| 9 | **I | 0.085 +/- 0.005 in | 0.0891 in | |
| 10 | **J | 0.085 +/- 0.005 in | 0.0845 in | |
| 11 | **K | 0.085 +/- 0.005 in | 0.0892 in | |
| 12 | *L | 0.120 +/- 0.005 in | 0.1206 Ø | |
| | | | 0.1177 Ø | PMI QA5 |

*Note: Production Test Dimensions and Quality Test Dimensions

**Note: Quality Mechanical Deminsions for ONLY Quality Testing