

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

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: LM-2G18G-18-20W-1KWP-SFF  
 Serial No: PL59300/2617

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

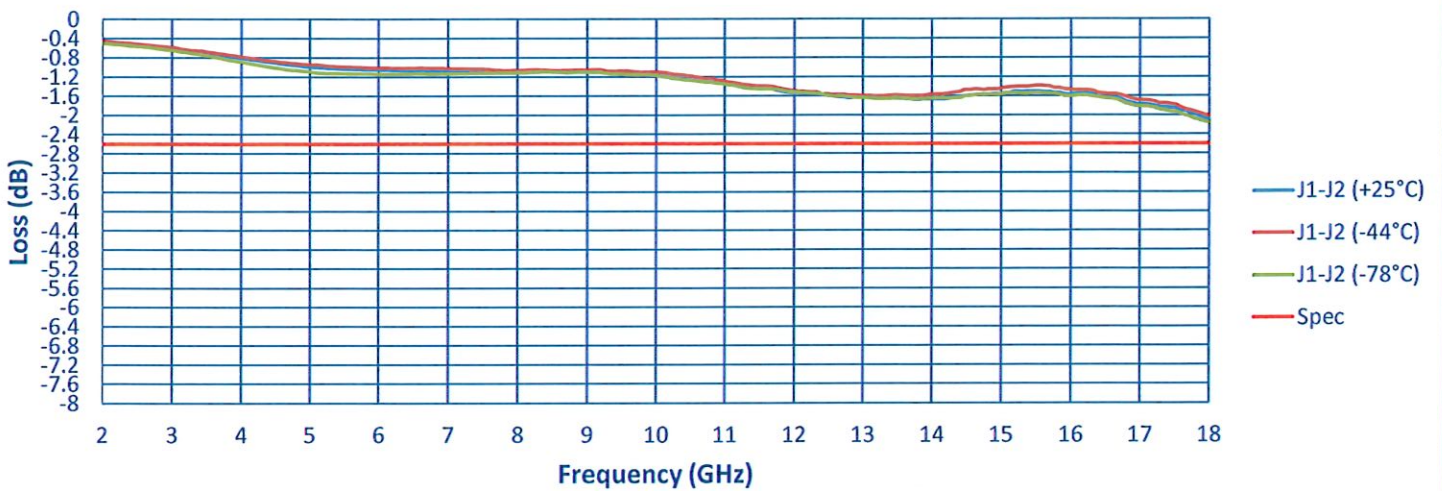
| TEST ITEM NO. | PARAMETERS                 | SPECIFIED VALUE  | Test Results          |                       |                       | QA QC      |
|---------------|----------------------------|--|-----------------------|-----------------------|-----------------------|------------|
|               |                            |  | +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<br>QAS |
| 2             | RF Input Power:            | 20 Watts (+43 dBm) CW Maximum  | Pass<br>See Graph     | Pass<br>See Graph     | Pass<br>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<br>See Graph  | 10.0 dBm<br>See Graph | 7.0 dBm<br>See Graph  |            |
| 5             | RF Leakage:                | ≤ +18 dBm Flat & Spike Maximum   | 14.1 dBm<br>See Graph | 14.4 dBm<br>See Graph | 13.7 dBm<br>See Graph |            |
| 6             | Recovery Time:             | < 100 ns Maximum   | 23.2                  | 23.2                  | 23.2                  |            |
| 7             | Insertion Loss:            | 2.6 dB Maximum (@ -10 dBm Input Power)   | 2.1 dBm<br>See Graph  | 2.0 dBm<br>See Graph  | 2.2 dBm<br>See Graph  |            |
| 8             | VSWR:                      | 2.0:1 Maximum (Input/Output) (@ -10 dBm Input Power)                             | 1.7 :1<br>See Graph   | 1.8 :1<br>See Graph   | 1.8 :1<br>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<br>FINE LEAK: 1 X 10 <sup>-6</sup> ATM-cc/sec | Pass                  | X                     | X                     |            |

QA/QC Approval: *Jordan Syed*

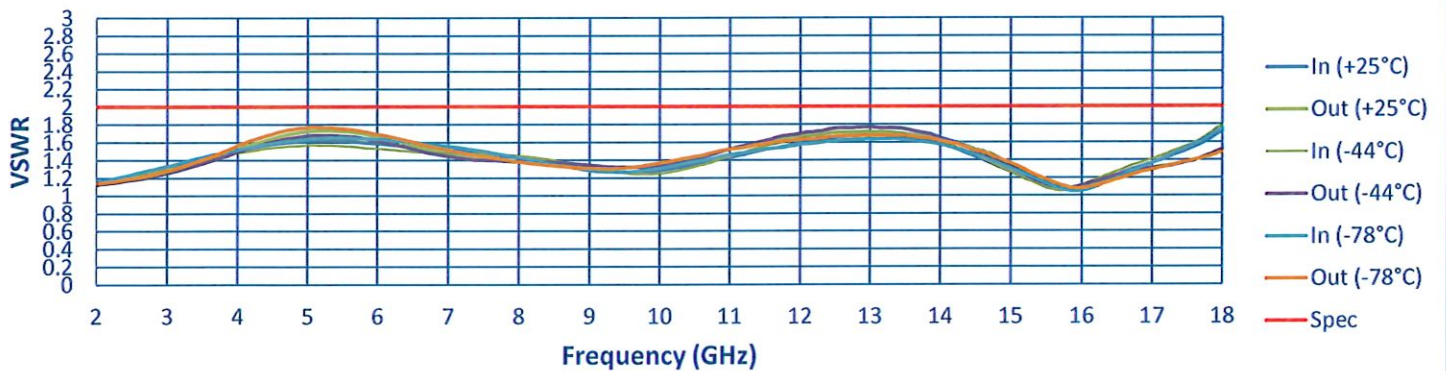
Date: 5-11-26

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

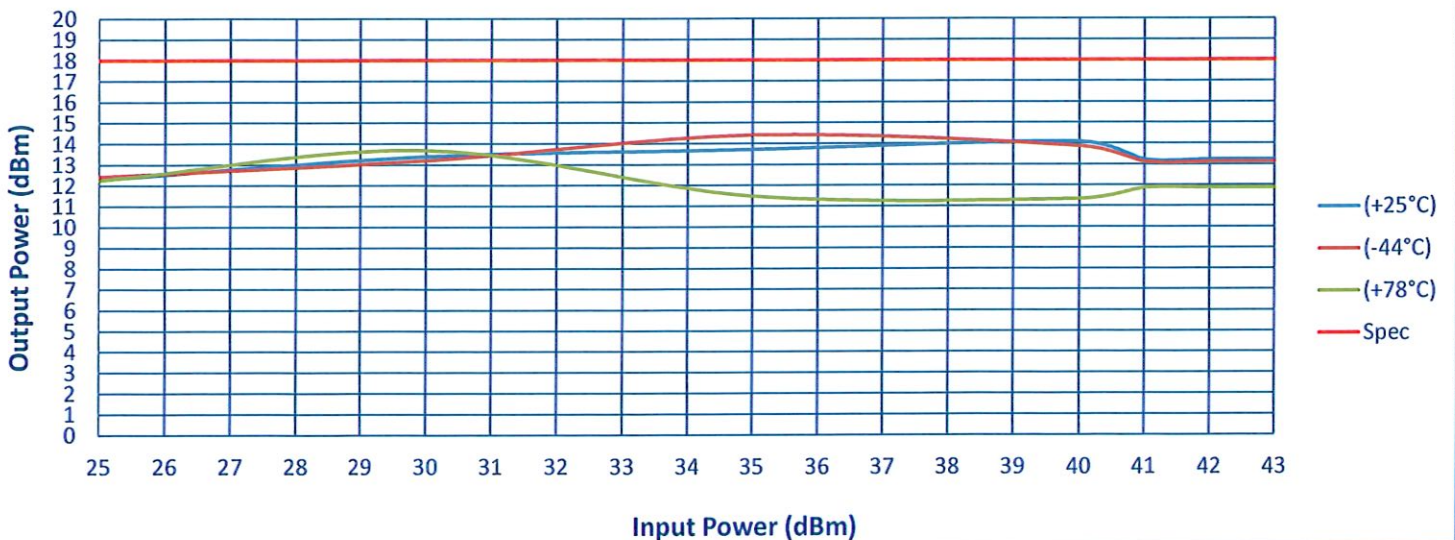
### Insertion Loss



### VSWR

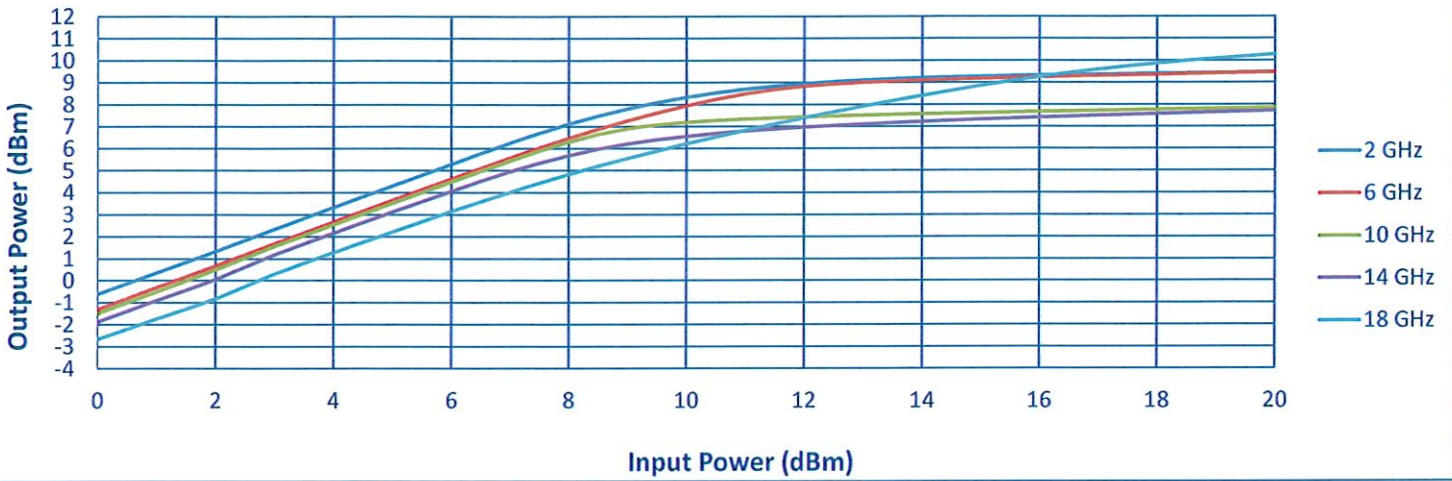


### High Power Test @ 8GHz

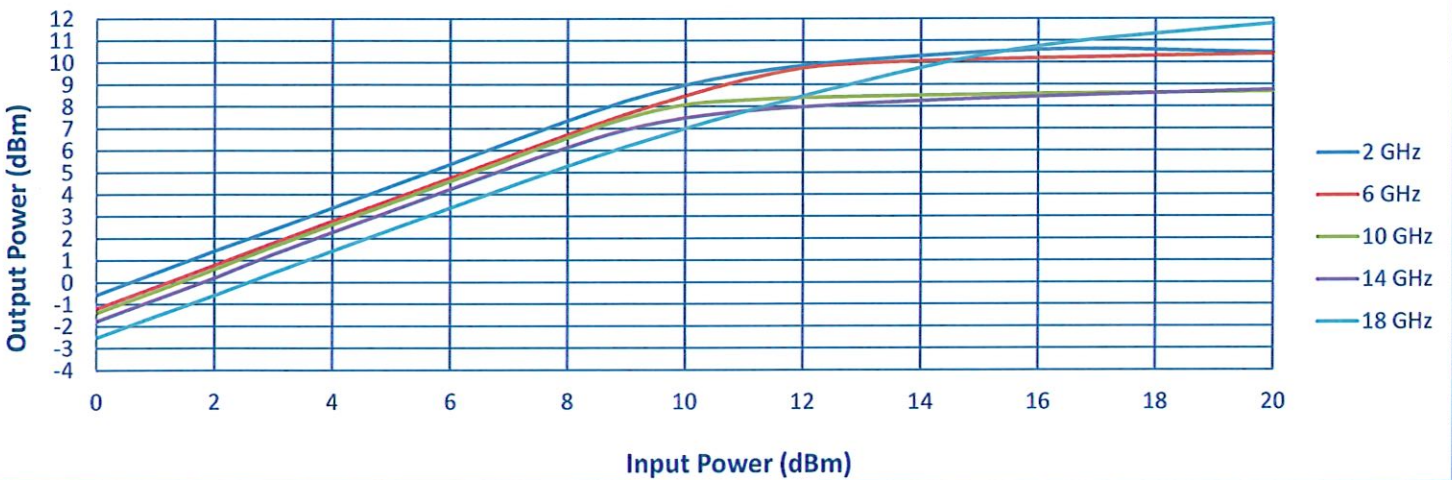


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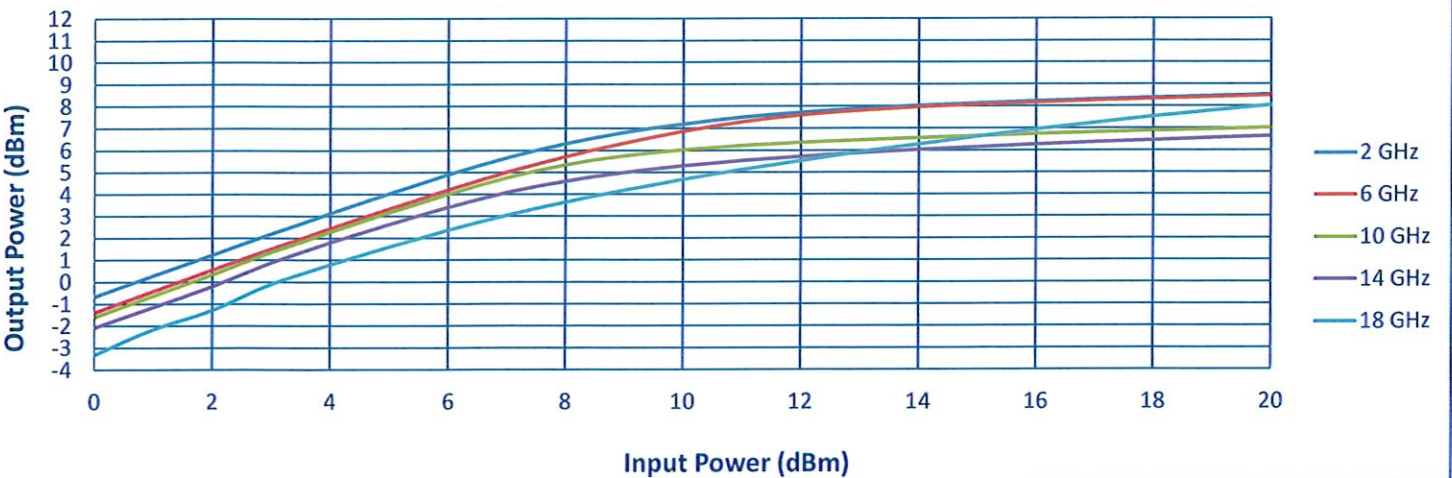
**Limiting @ +25°C**



**Limiting @ -44°C**



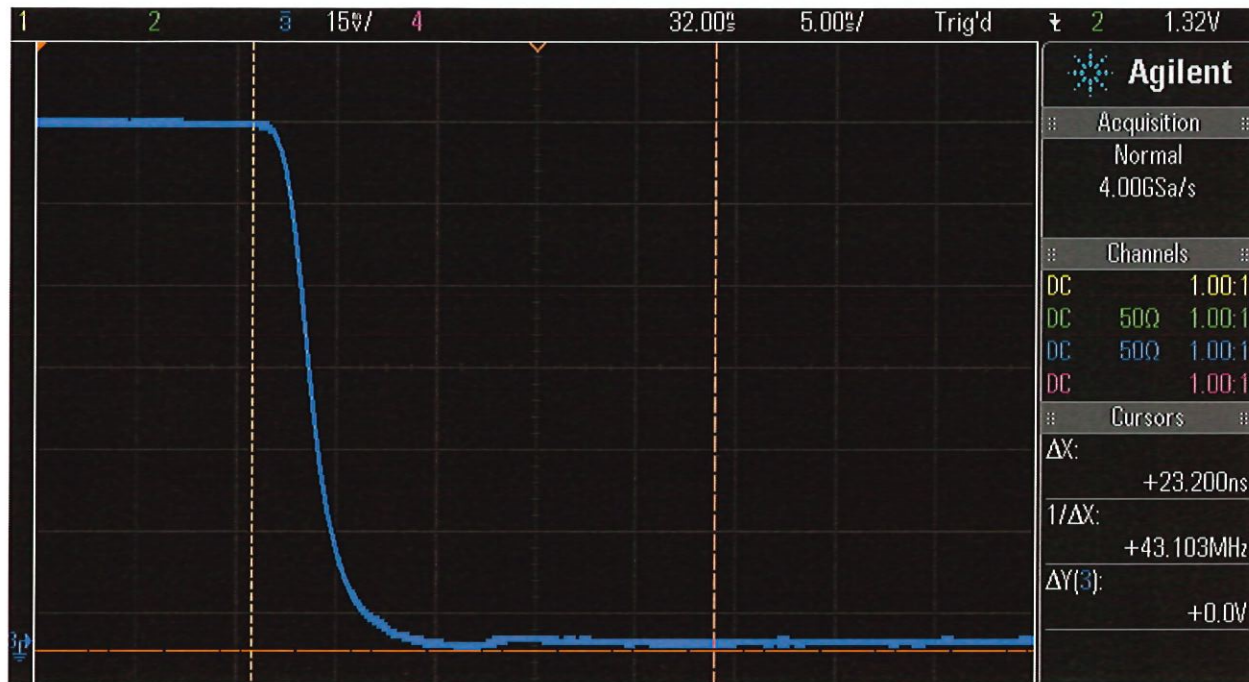
**Limiting @ +78°C**



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

## Recovery Time

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



## Full Pulse



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