# SUMMARY TEST DATA
# ON
# SDLVA-2G18G-50MV-100-NRF

PL59586/2618

**Customer:** [redacted]
**SO No:** [redacted]
**Model No:** SDLVA-2G18G-50MV-100-NRF
**Serial No:** PL59586/2618

**Tested By:** RCombs
**Temperature:** +25° C
**Date:** 4/30/2026
**Drawing No:** 27623906 **Rev:** A1

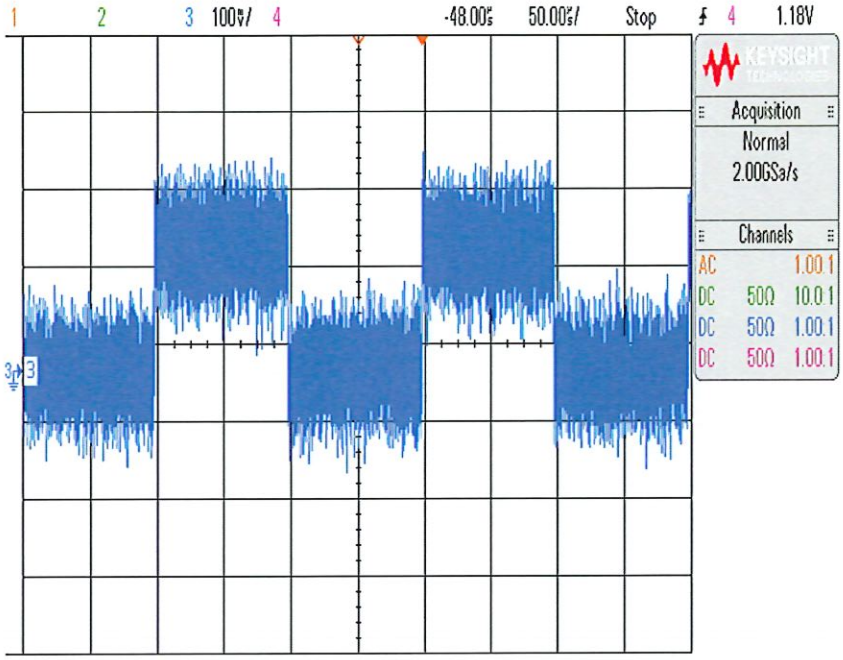
| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | TEST RESULTS 65°C | 25°C | -30°C | Pass/Fail | QA QC |
|---|---|---|---|---|---|---|---|
| 1 | Frequency lower | 2GHz | 2 | 2 | 2 | PASS | PMI QA6 |
| | Frequency upper | 18GHz | 18 | 18 | 18 | PASS | |
| 2 | Frequency Flatness max | ±2dB | 1.19 | 1.69 | 1.63 | PASS | |
| 3 | Input Return Loss 50Ω system | Manual plot | | ✔ | | PASS | |
| 4 | TSS: | -69 dBm Minimum | -72.7 | -72.6 | -73.3 | PASS | |
| 5 | VSWR: | 2.0:1 (Input) | | | | | |
| 6 | Power Input: | +17 dBm CW Maximum | | | | | |
| 7 | Logging range Top | 5dBm | 5 | 5 | 5 | PASS | |
| | Logging range Bottom | -67dBm | -67 | -67 | -67 | PASS | |
| 8 | Log slope Max | 51.5 mV/dB | 51.3 | 50.9 | 51.1 | PASS | |
| | Log slope Min | 48.5 mV/dB | 49.7 | 49 | 48.5 | PASS | |
| 9 | Min step slope | > 20 mV/dB | PASS | PASS | PASS | PASS | |
| 10 | Log Linearity max* | ±1.35 dB (±1dB AMB) | 0.80 | 0.81 | 1.02 | PASS | |
| 11 | Output load | 100Ω | ✔ | ✔ | ✔ | | |
| 12 | Log Offset: | ±100mV | 0.016 | -0.009 | 0.001 | PASS | |
| 13 | Pulse Range: | 30 ns to CW | ✔ | ✔ | ✔ | PASS | |
| 14 | Recovery Time: | 60 ns Typical | | ✔ | | PASS | |
| 15 | Rise Time: | 10 ns (6 ns Typical) | | ✔ | | PASS | |
| 16 | Fall Time: | 40 ns Typical | | ✔ | | PASS | |
| 17 | DC Supply: | '+15V or +12V @ 350 mA | 259 | 247 | 220 | PASS | |
| | | '-15V or -12V @ 180 mA | 106 | 99 | 87 | PASS | |
| 18 | Avg -67 | 200±100mV | 0.214 | 0.236 | 0.237 | PASS | PMI QA6 |
| | Avg +5 | 3800±100mV | 3.823 | 3.836 | 3.846 | PASS | |

*Log reference line calculated with TS average for each Frequency misurated

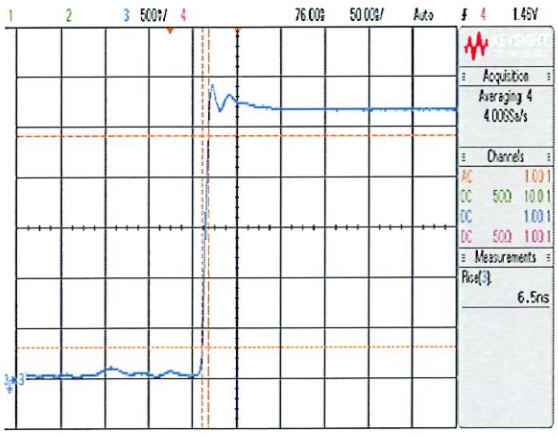
**QA/QC Approval:** Anthony Hardy PMI QA6 **Date:** 5/4/26

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

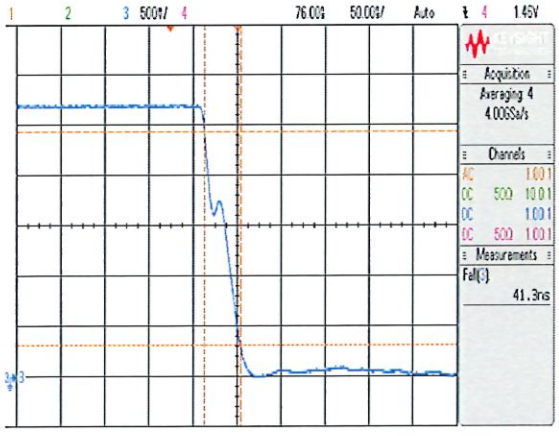
## TSS



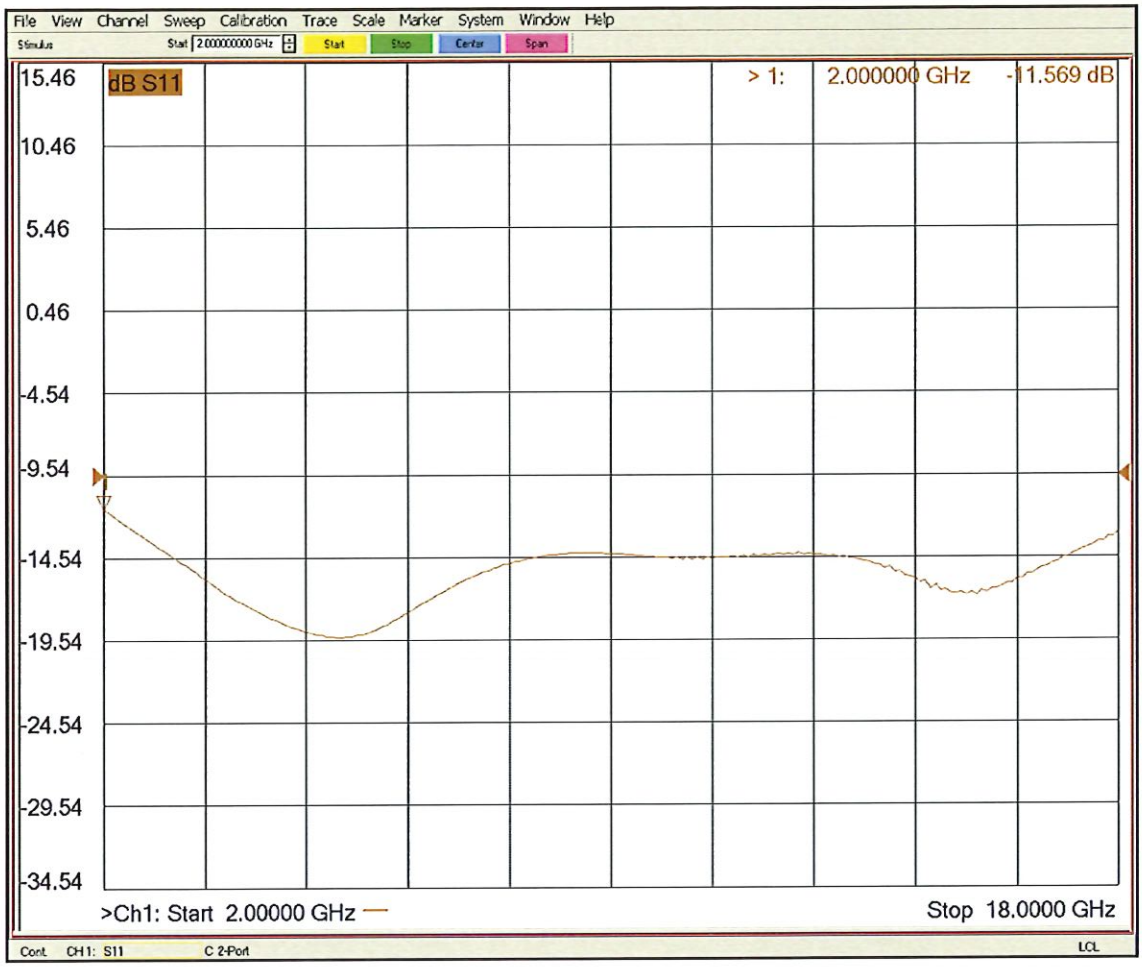

## Rise Time




## Fall Time



# VSWR


File View Channel Sweep Calibration Trace Scale Marker System Window Help
Stimulus
Start 2.000000000 GHz
Start
Stop
Center
Span
15.46
dB S11
> 1:
2.000000 GHz
-11.569 dB
10.46
5.46
0.46
-4.54
-9.54
-14.54
-19.54
-24.54
-29.54
-34.54
>Ch1: Start 2.00000 GHz
Stop 18.0000 GHz
Cont
CH1: S11
C 2-Port
LCL