

**SUMMARY TEST
ON
PE2-16-300M20G-1R7-15-12-SFF**

Customer: _____
 SO No: _____
 Model No: PE2-16-300M20G-1R7-15-12-SFF
 Serial No: PL47220/2430

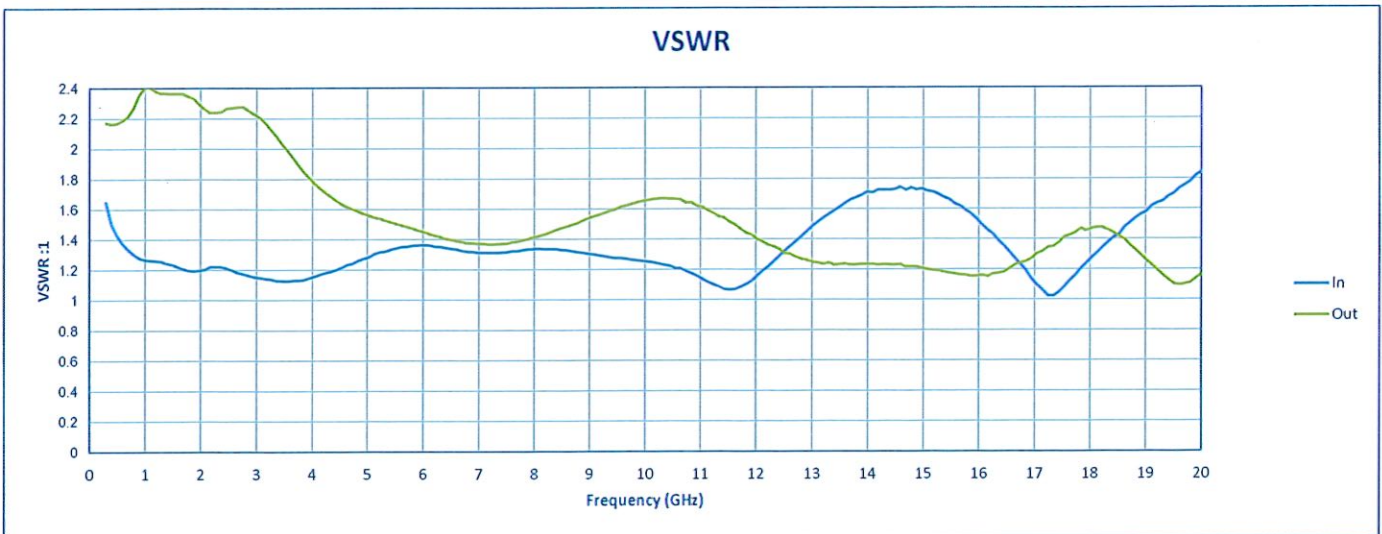
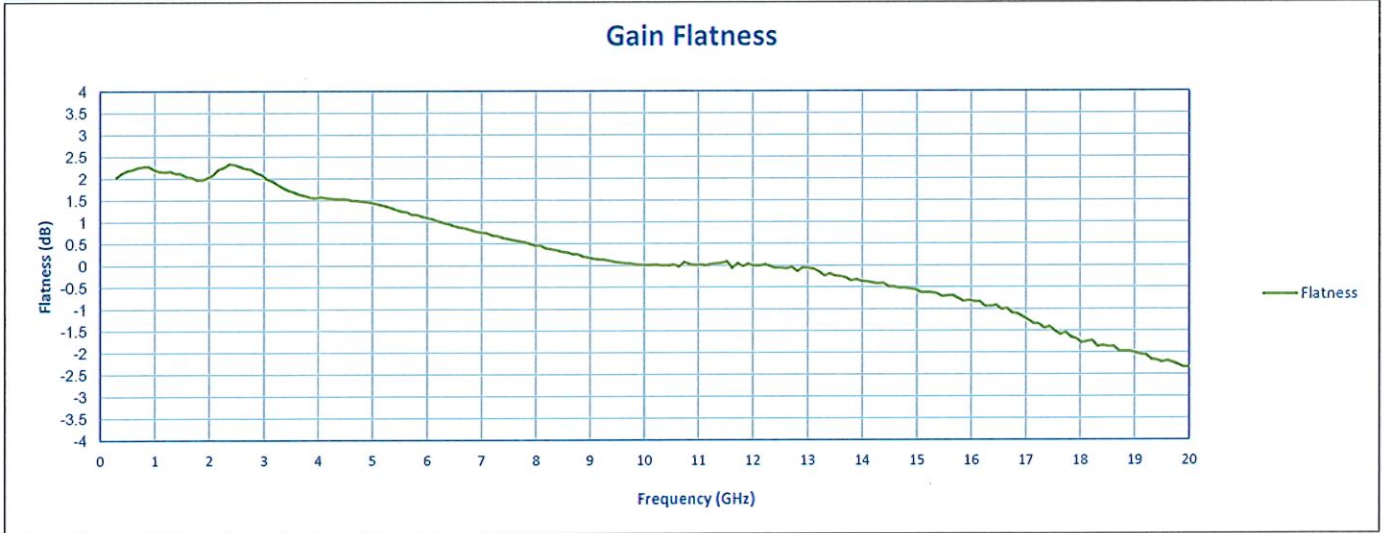
Tested By: A. Mousavi
 Temperature: +25° C
 Date: 7/22/2023
 Drawing No: 27631840 REV: A1

| TEST. ITEM NO | PARAMETERS | SPECIFIED VALUE | Test Results | QA QC |
|---------------|--|--|-------------------------------------|----------------|
| | | | +25°C | |
| 1 | Frequency Range: | 300 MHz to 20 GHz | 300 MHz to 20 GHz | PMI QA4 |
| 2 | Gain: 0.3-10GHz 10-16GHz 16-18GHz 18-20GHz | 12.5 dB MIN, 16 dB Typ. 12 dB MIN, 14.5 dB Typ. 11.5 dB MIN, 13.5 dB Typ. 11 dB MIN, 13 dB Typ. | +13.81 dB | |
| | | | +12.96 dB | |
| | | | +12 dB | |
| | | | +11.45 dB | |
| | | | See Graph | |
| 3 | Input VSWR: | 2.0:1 MAX.. | 1.84 :1 See Graph | |
| 4 | Output VSWR: | 2.0:1 Typ. 2.5:1 Max. | 2.4 :1 See Graph | |
| 5 | Noise Figure: 0.3-10 GHz 10-16 GHz 16-18 GHz 18-20 GHz | 2 dB TYP, 3.0 dB Max. 2 dB TYP, 3.0 dB Max. 2.5 dB TYP, 3.25 dB Max. 2.7dB Typ., 3.8 dB Max. | 2.82 dB | |
| | | | 2.95 dB | |
| | | | 3.23 dB | |
| | | | 3.72 dB | |
| | | | See Graph | |
| 6 | P1dB: 0.3-10 GHz 10-16 GHz 16-18 GHz 18-20 GHz | +15 dBm Typ. +13 dBm Typ. +12.5 dBm Typ. +12 dBm Typ. | +15.79 dBm | |
| | | | +15.24 dBm | |
| | | | +14.13 dBm | |
| | | | +13.78 dBm | |
| | | | See Graph | |
| 7 | IP3 0.3-10 GHz 10-16 GHz 16-18 GHz 18-20 GHz | +25 dBm Typ. +23 dBm Typ. +20 dBm Typ. +20 dBm Typ | Pass See Typical Characteristics | |
| 8 | Power Supply: | +12 to 15 VDC @100 mA Max. | +12 to 15 VDC @ 90 mA | PMI QA4 |

QA/QC Approval: *Cameron Kelley*

Date: 7/24/24

**SUMMARY TEST
 ON
 PE2-16-300M20G-1R7-15-12-SFF**



**SUMMARY TEST
ON
PE2-16-300M20G-1R7-15-12-SFF**

