

**SUMMARY TEST DATA
ON
PEC-14-2G18G-4-27-15-SFF**

CUSTOMER: Raytheon
SO: _____
MODEL NO: PEC-14-2G18G-4-27-15-SFF
SERIAL NO: PL41814/2334

TESTED BY: A. Lopez K. Wagaman
TEMPERATURE: +25°C
DATE: 11/2/2023
DRAWING NO: 27646180 REV: A1

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | Test Results | QA QC |
|---------------|--|--|--|------------|
| | | | +25°C | |
| 1 | Frequency Range: | 2.0 GHz to 8.0 GHz | 2.0 to 8.0 GHz | PMI QA2 |
| 2 | Gain: | 13 dB ±1.5 dB Max | 12.89 dB Max. | |
| | | | 12.31 dB Min. | |
| | | | See Graph | |
| 3 | Gain Flatness: | ± 0.75 dB Max | ±0.29 dB. See Graph | |
| 4 | Noise Figure: | 5.0 dB Typ, 6.0 dB Max (2-3 GHz) 4.5 dB Typ, 5.0 dB Max (3-5 GHz) 3.5 dB Typ, 4.5 dB Max (5-8 GHz) | 5.56 dB | |
| | | | 4.46 dB | |
| | | | 3.09 dB | |
| | | | See Graph | |
| 5 | OP1dB: | +26 dBm Min. +27.5 dBm Typical | 29.32 dBm Max. | |
| | | | 29.09 dBm Min. | |
| | | | See Graph | |
| 6 | VSWR: (Input/Output) | 2.0:1 Max. | 1.54 :1 (In) | |
| | | | 1.76 :1 (Out) | |
| | | | See Graph | |
| 7 | Input Power: | +27 dBm CW Max. | Pass +27 dBm CW) See Typical Characteristics | |
| 8 | DC Voltage Supply: DC Current Draw: | +11.3V @ Iq = 360 mA Typ* | +11.3 VDC @ 324 mA | PMI QA2 |

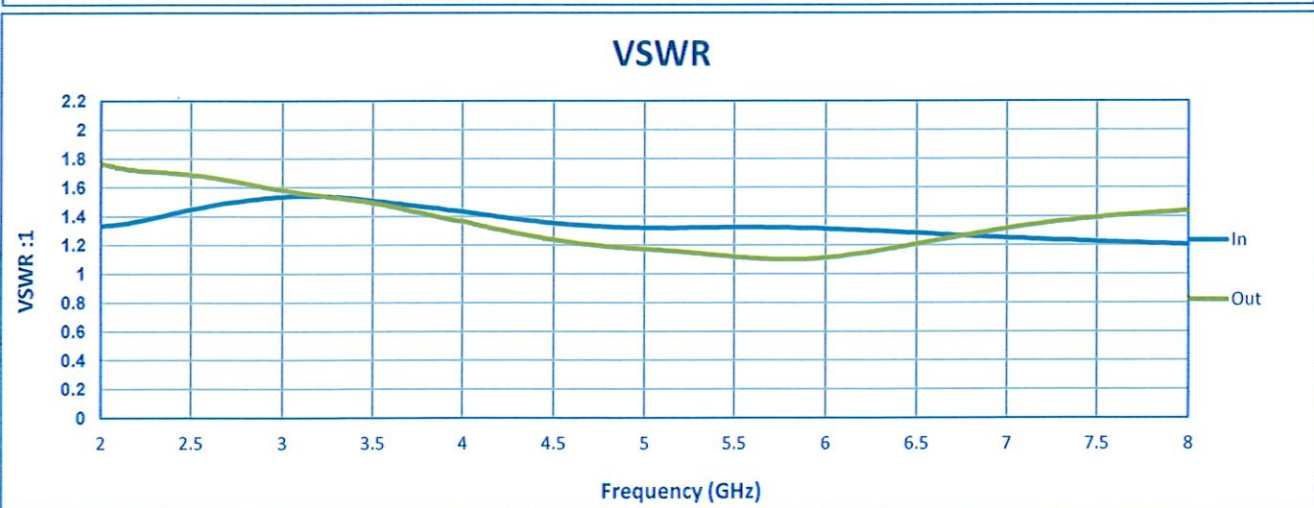
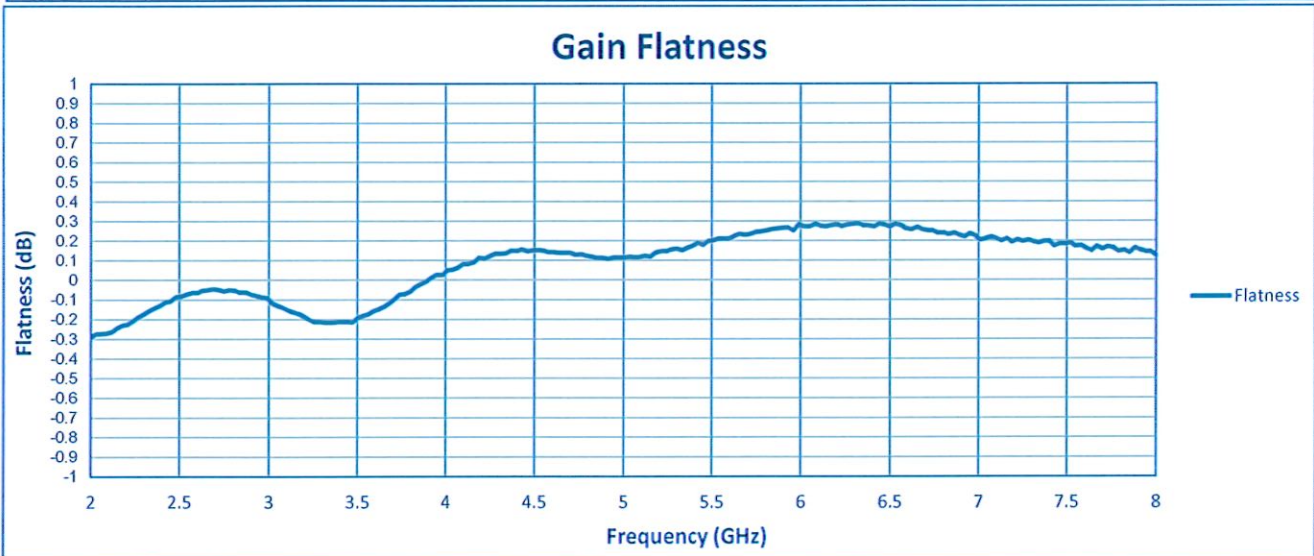
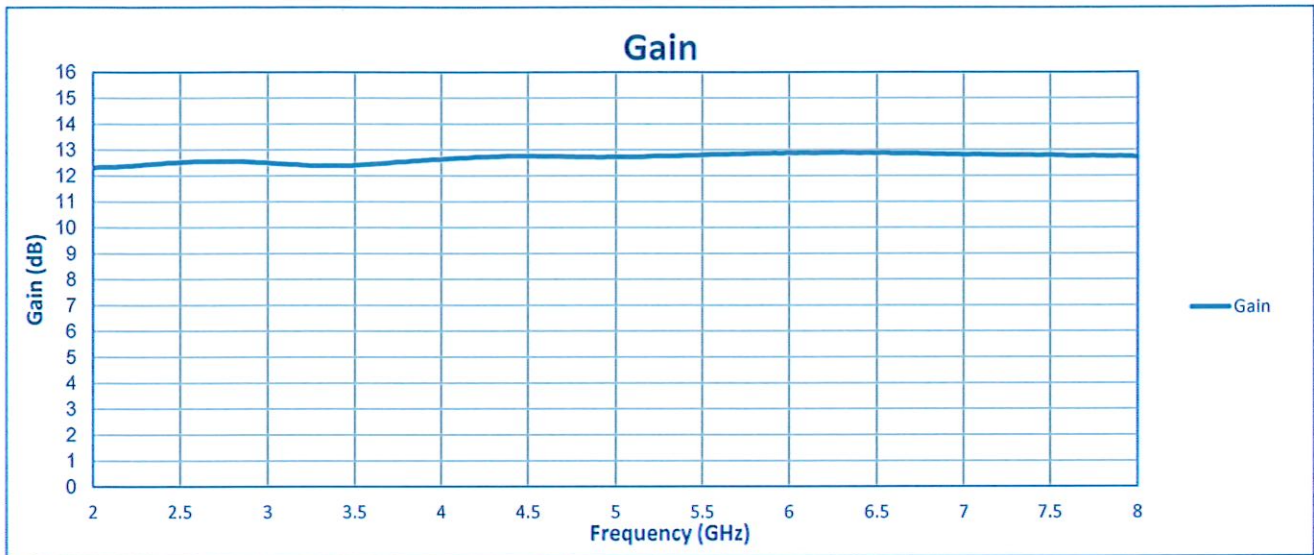
*No Internal Voltage Regulation or Reverse Protection

QA/QC Approval: 

PMI
QA2

Date: 11/6/2023

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