

# SUMMARY TEST ON PA-2G18G-43-5-40-SFF-2

Customer: \_\_\_\_\_  
SO No: \_\_\_\_\_  
Model No: PA-2G18G-43-5-40-SFF-2  
Serial No: PL50189/2446

Tested By: A. Mousavi  
Temperature: +25° C  
Date: 11/15/2024  
Drawing No: 27646360 REV: A1

| TEST.<br>ITEM NO | PARAMETERS              | SPECIFIED VALUE                       | Test Results                                  | QA<br>QC   |
|------------------|-------------------------|---------------------------------------|-----------------------------------------------|------------|
|                  |                         |                                       | +25°C                                         |            |
| 1                | Frequency Range:        | 2.0 - 18.0 GHz                        | 2.0 - 18.0 GHz                                | PMI<br>QA4 |
| 2                | Gain:                   | 43 dB Typ.<br>39 dB Min.              | 42.8 dB<br>See Graph                          |            |
| 3                | VSWR:<br>(Input/Output) | 2.0:1 Input Max.<br>2.4:1 Output Max. | 1.9:1 In<br>2.27:1 Out<br>See Graph           |            |
| 4                | Noise Figure:           | 5.0 dB Max                            | 4.96 dB<br>See Graph                          |            |
| 5                | PSAT:                   | 40 dBm (10W) Typ.<br>36 dBm Min       | 41.42 dBm Max.<br>38.63 dBm Min.<br>See Graph |            |
| 6                | Input Power:            | 20 dBm Max.                           | Pass<br>See Typical<br>Characteristics        |            |
| 7                | DC Supply:              | +22 VDC                               | +22 VDC<br>& 3,100 mA                         |            |
| 8                | Control (Enable)        | "1" = +3V ON<br>"0" = 0 V OFF         | Pass                                          | PMI<br>QA4 |

## Typical Current

Quiescent current and maximum current

-40°C

|                     |          |
|---------------------|----------|
| -30 dBm Input Power | 1,860 mA |
| +20 dBm Input Power | 2,550 mA |

+25°C

|                     |          |
|---------------------|----------|
| -30 dBm Input Power | 2,150 mA |
| +20 dBm Input Power | 3,200 mA |

+85°C

|                     |          |
|---------------------|----------|
| -30 dBm Input Power | 2,400 mA |
| +20 dBm Input Power | 3,300 mA |

QA/QC Approval:

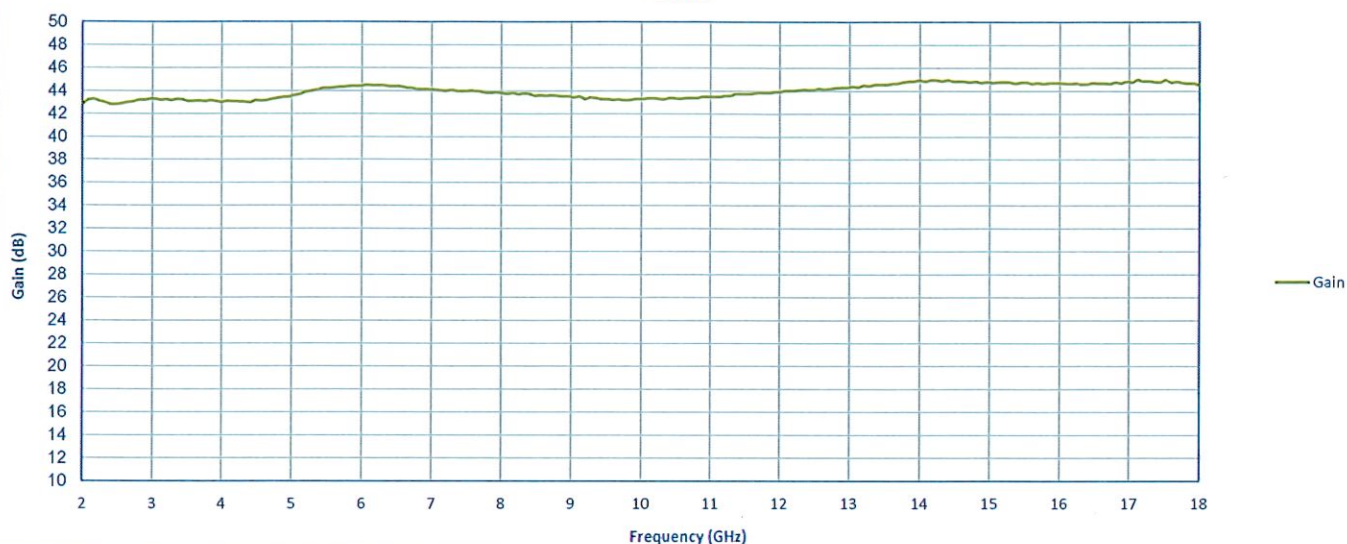
*Cameron Kelly*

Date:

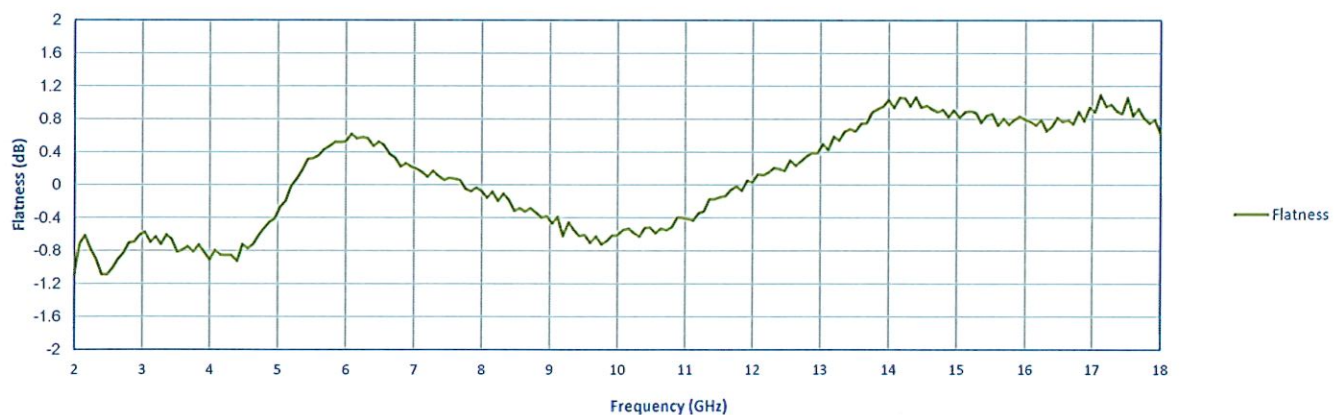
12/4/24

# SUMMARY TEST ON PA-2G18G-43-5-40-SFF-2

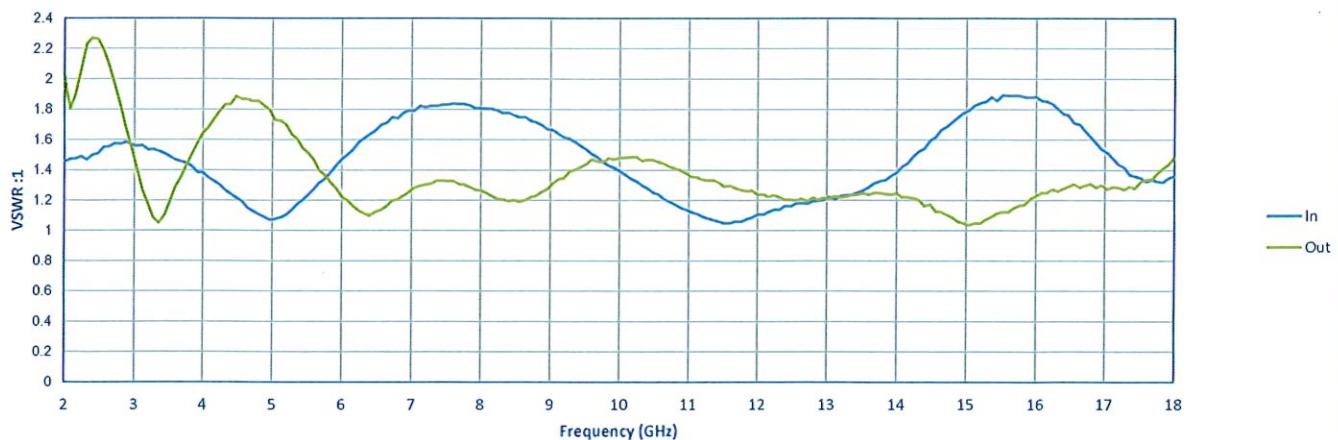
**Gain**



**Gain Flatness**



**VSWR**



# SUMMARY TEST ON PA-2G18G-43-5-40-SFF-2

