



# SUMMARY TEST DATA ON PTB-50-1G40G-12-292FF-DC12-220VAC

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: PTB-50-1G40G-12-292FF-DC12-220VAC  
 Serial No: PL33770/2135

Tested By: H. Gonzales  
 Temperature: 25 Degrees C  
 Date: 9/1/2021  
 Drawing No: 27640665      REV: A1

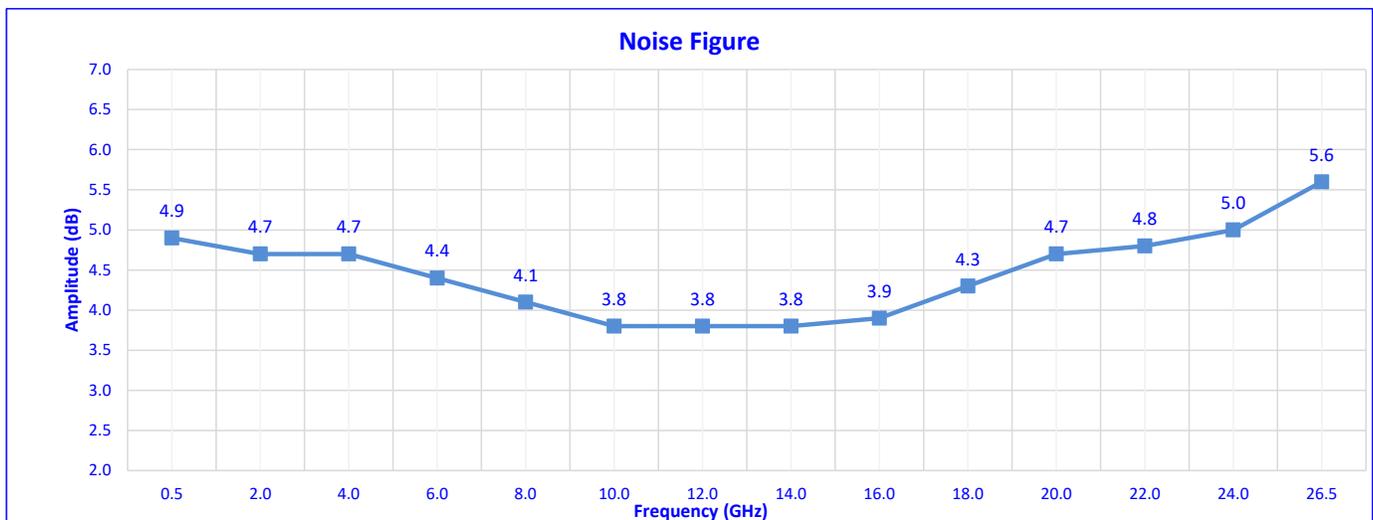
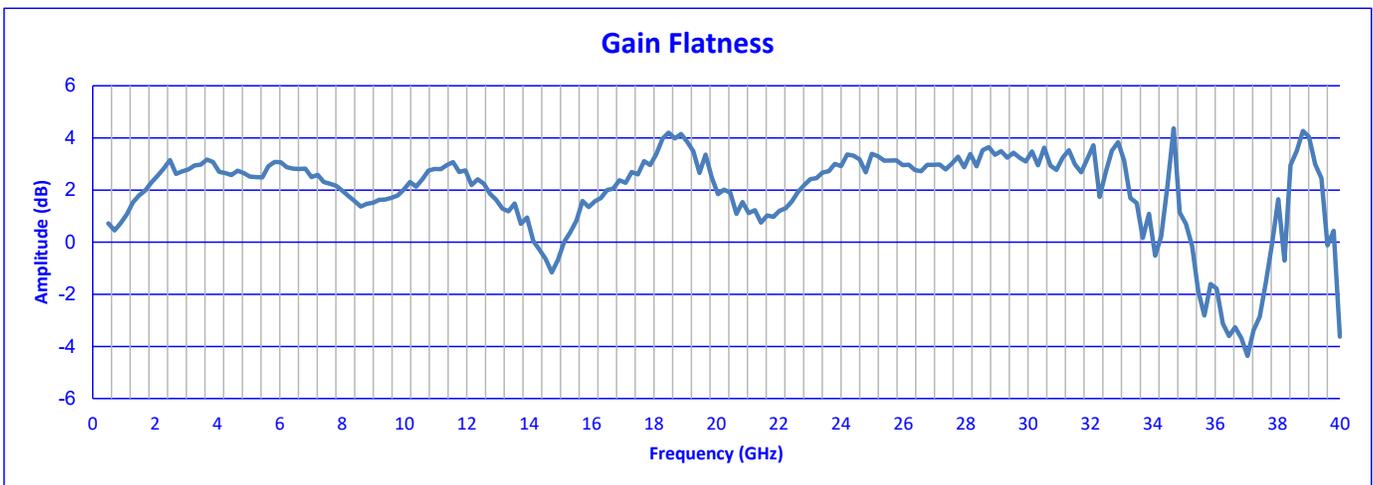
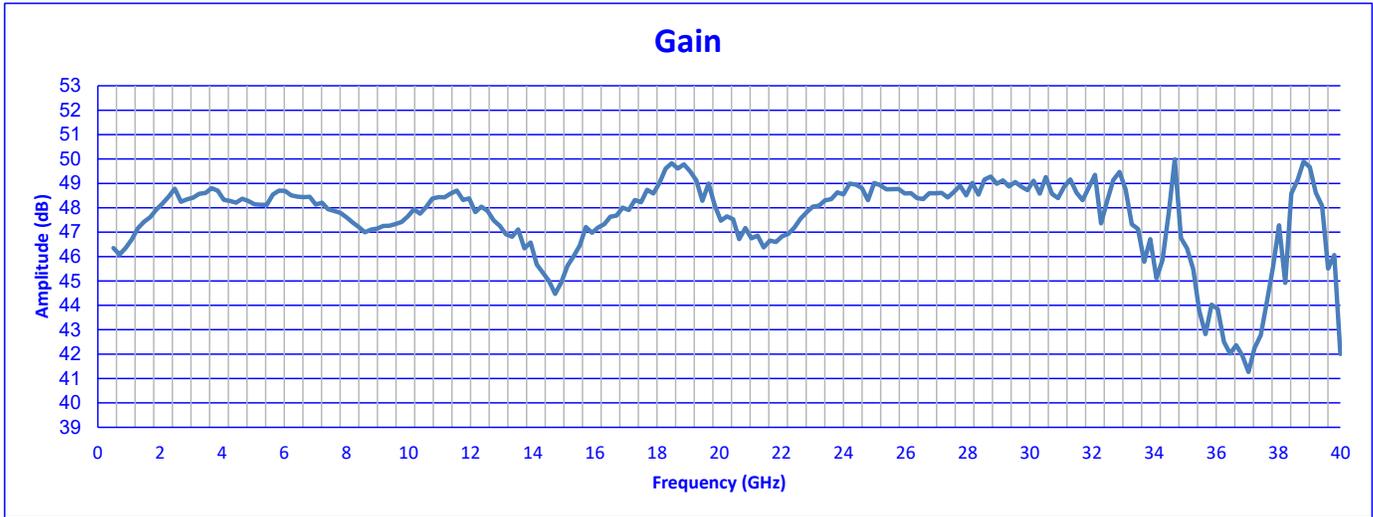
| TEST. ITEM NO | PARAMETERS                    | SPECIFIED VALUE                                     | Test Results                               | QA QC |
|---------------|-------------------------------|---|--|-------|
| 1             | Frequency Range:              | 1.0 To 40 GHz                                       | 500 MHz - 40 GHz                           |       |
| 2             | Gain:                         | 50 dB Typ.  | +41.3 dB Min.<br>+50 dB Max.<br>(See Plot) |       |
| 3             | Gain Flatness:                | ±2.5 dB Typ.  | ±4.36 dB<br>(See Plot)                     |       |
| 4             | *Noise Figure:                | 5.0 dB Typ.   | 5.6 dB<br>(See Plot)                       |       |
| 5             | Pout @ 1 dB Compression:      | +22 dBm Typ. (1-18 GHz)<br>+18 dBm Typ. (18-40 GHz) | 21.3dBm @ 1-18GHz<br>18.3dBm @ 18-40GHz    |       |
| 6             | VSWR:<br>(Input/Output)       | 2.5:1 Typ.  | 1.9:1 In<br>1.9:1 Out<br>(See Plot)        |       |
| 7             | Maximum RF Input:             | +15 dBm CW Max.                                     | +15 dBm CW<br>Pass                         |       |
| 8             | AC Voltage Supply:            | 220 - 230VAC  | 220 - 230VAC                               |       |
| 9             | DC Voltage Supply (External): | +12 VDC   | +12VDC @ 597mA                             |       |

\*Up to 26.5 GHz



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