



**SUMMARY TEST DATA
ON
GMTA-1002**

PL31741/2111

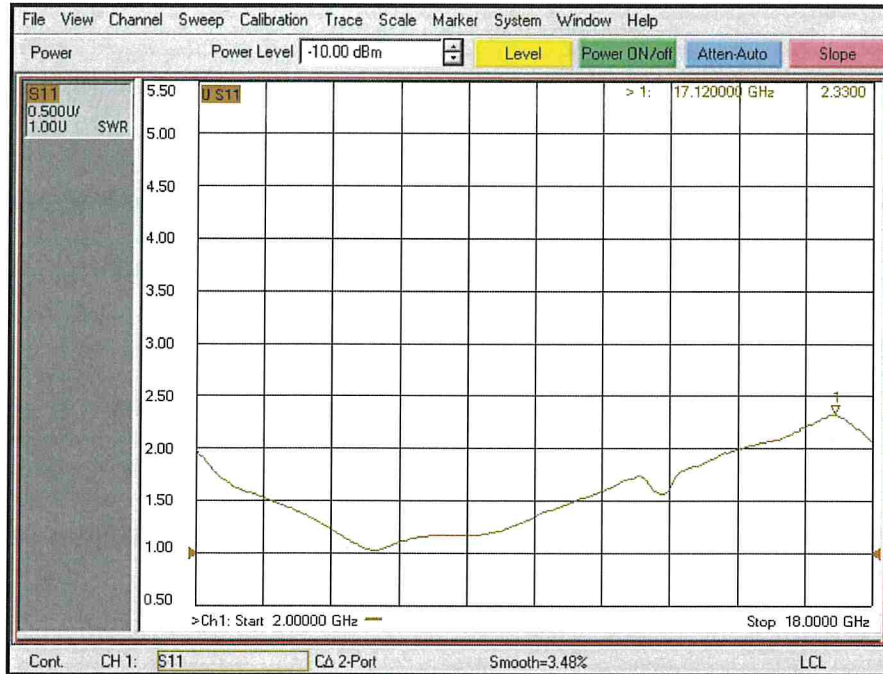
| | |
|--------------------------------|--|
| Customer: _____ | Tested By: <u>J Boze</u> |
| SO No: _____ | Temperature: <u>+25°C</u> |
| Model No: <u>GMTA-1002</u> | Date: <u>03/17/2021</u> |
| Serial No: <u>PL31741/2111</u> | Drawing No: <u>27619821</u> Rev: <u>A4</u> |

| TEST. ITEM NO | PARAMETERS | SPECIFIED VALUE | TEST RESULTS | QA QC | |
|---------------|------------------------------|--|------------------------------------|--------------------|--------------------|
| 1 | Frequency Range: | 2 GHz to 18 GHz | 2 GHz to 18 GHz See Plot | PMI QA3 | |
| 2 | Input Operating Range: | -18 to -23 dBm (2-18 GHz) | -18 to -23 dBm | | |
| 3 | Input VSWR: | 2.5 : 1 @ Pin = -10 dBm | 2.33:1 See Plot | | |
| 4 | Threshold Level: | Pin = -18 to -23 dBm @ 25°C | Max.= -20.7 dBm Min.= -21.4 dBm | | |
| 5 | Threshold Setting Stability: | ±3.0 dB Max (Over Temp and Frequency) | ± 0.78 dB | | |
| 6 | Maximum Input Power: | +10 dBm (Without Damage) | Pass | | |
| 7 | Detected Output: | TLL High (1) – On TLL Low (0) – Off | Pass | | |
| 8 | Response Time: | 100µs Max | Pass | | |
| 9 | DC Supply: | +12VDC @ 50mA | +12VDC @ 40mA | | PMI QA3 |



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THRESHOLD SETTING STABILITY
± 3 dB max OVER FREQUENCY @ TEMPERATURE

| FREQ. | 2 GHz | 4 GHz | 6 GHz | 8 GHz | 10 GHz | 12 GHz | 14 GHz | 16 GHz | 18 GHz |
|---------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| Pin @ -20 ° C | -21.4 | -22.1 | -21.6 | -20.9 | -21.2 | -21.4 | -21.3 | -20.8 | -21.2 |
| Pin @ 25 ° C | -21.3 | -22.0 | -21.4 | -20.8 | -20.9 | -21.1 | -21.0 | -20.7 | -20.8 |
| Pin @ 85 ° C | -21.2 | -21.9 | -21.4 | -20.8 | -21.0 | -20.8 | -20.9 | -20.6 | -20.7 |

QA/QC Approval:

Arthur Zimmerman

Date:

3-22-2021

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