



**SUMMARY TEST DATA
ON
GMTA-1002**

| | |
|--------------------------------|--|
| Customer: _____ | Tested By: <u>JERRY WADE</u> |
| SO No: _____ | Temperature: <u>+25°C</u> |
| Model No: <u>GMTA-1002</u> | Date: <u>11/15/18</u> |
| Serial No: <u>PL23894/1846</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 | PMI QA 1 |
| 2 | Input Operating Range: | -18 to -23 dBm (2-18 GHz) | Pass | |
| 3 | Input VSWR: | 2.5 : 1 @ Pin = -10 dBm | 2.14:1 See Plot | |
| 4 | Threshold Level: | Pin = -18 to -23 dBm @ 25°C | Max.= -19.9dBm Min.= -21.2dBm | |
| 5 | Threshold Setting Stability: | ±3.0 dB Max (Over Temp and Frequency) | ±0.85dB | |
| 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 @ 36mA | |

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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 @ 25 ° C | -20.3 | -20.8 | -20.6 | -20.1 | -20.1 | -20.5 | -20.5 | -20.5 | -21.2 |
| Pin @ -20 ° C | -20.5 | -21.0 | -20.8 | -20.2 | -20.3 | -20.6 | -20.7 | -20.5 | -21.6 |
| Pin @ 85 ° C | -20.3 | -20.7 | -20.5 | -20.1 | -20.0 | -20.2 | -20.2 | -20.6 | -21.1 |

QA/QC Approval: _____

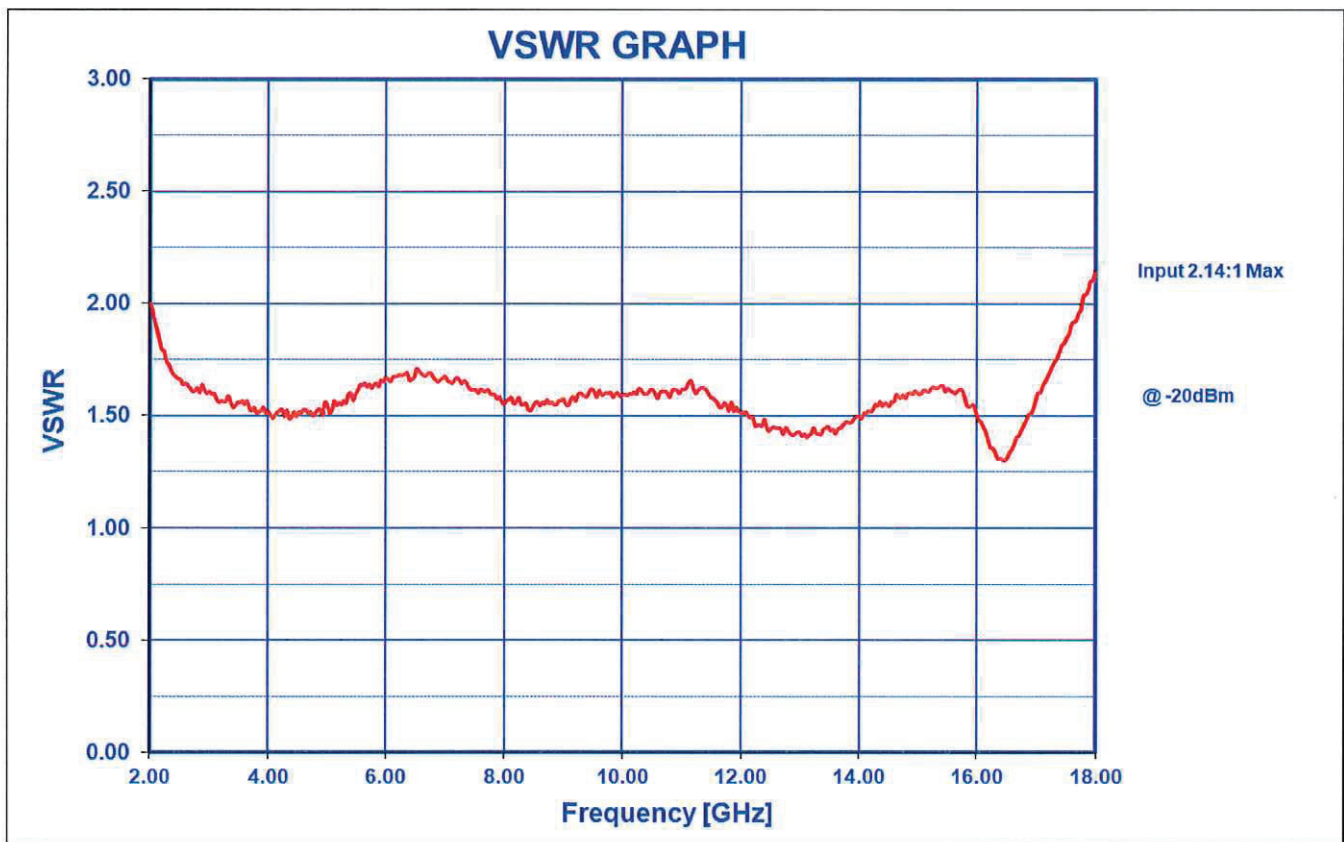
PMI
QA 1

Date: _____

11/20/18



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