

MODEL NO.: GMTA-1003

FREQUENCY: 8 – 18 GHz

SERIAL NO.: PL29305/2025

| PARAMETER | SPECIFICATION | MEASUREMENT |
|--------------------------------------|---------------------------|------------------------------|
| THRESHOLD LEVEL | Pin = -42 dBm @ 25 ° C | -39.9 dBm Average |
| RESPONSE TIME @ TTL "1" / TTL "0" | 100 μs max | 11us |
| INPUT VSWR | 2.5: 1 @ Pin = -10 dBm | 1.80:1 See Attached Plots |
| DC POWER SUPPLY NO RF SIGNAL | +12V @ 200 mA | 60mA |

THRESHOLD SETTING STABILITY
± 3 dB max OVER FREQUENCY @ TEMPERATURE

| FREQ. | 8 GHz | 10 GHz | 12 GHz | 14 GHz | 16 GHz | 18 GHz |
|-----------------|-------|--------|--------|--------|--------|--------|
| Pin @ 25 ° C | -40.7 | -41.3 | -39.4 | -39.5 | -39.8 | -38.6 |
| Pin @ 0 ° C | -40.9 | -41.7 | -39.7 | -40.0 | -40.1 | -39.0 |
| Pin @ 85 ° C | -40.1 | -40.9 | -38.7 | -39.0 | -39.4 | -38.1 |

TESTED BY: Simon K.

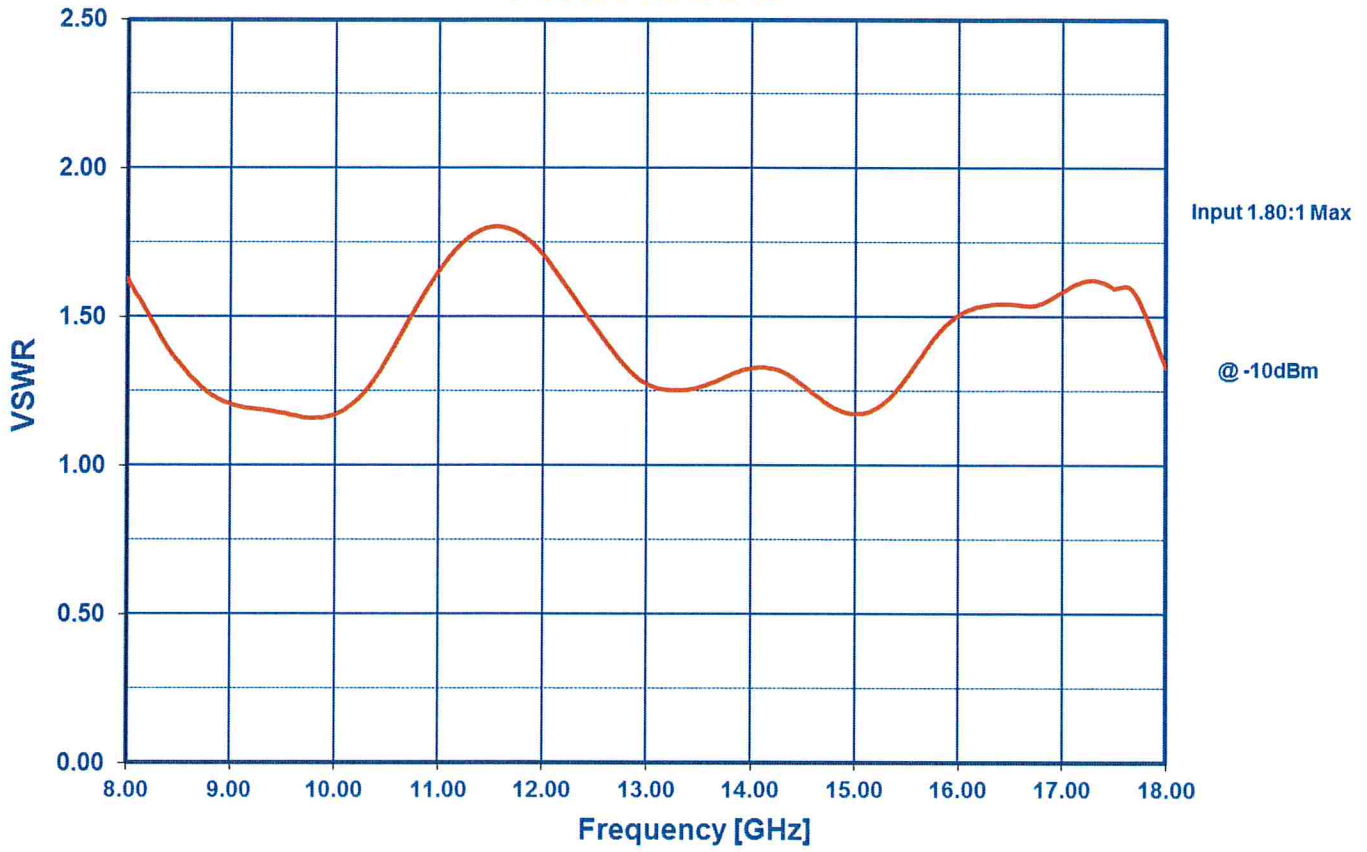
DATE: 06/15/2020

QA BY: Arthur Zimmerman

DATE: 6/15/2020

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|---|------------------|---------------------------|------------------------------|--------------------|
|  | SIZE A | CAGE CODE 71A34 | DWG. NO. ETD000030 | REVISION A1 |
| | SCALE | | | SHEET 2 OF 2 |

VSWR GRAPH



SIZE
A

CAGE CODE
71A34

DWG. NO.
ETD000030

REVISION A1

SCALE

SHEET 3 OF 2