



SUMMARY TEST DATA ON DTA-13G14G-40-8-CD-1-20DBM

Customer: _____
 Job No: _____
 Model No: DTA-13G14G-40-8-CD-1-20DBM
 Serial No: PL32819/2126

Tested By: K. Wagaman
 Date: Wednesday, June 30, 2021
 Temperature: +25° C
 Drawing No: 27636480 Rev: A1

| Test Item No. | Parameters | Specified Value | Test Results | QA QC |
|---------------|---|----------------------------------|--|------------|
| 1 | Frequency Range: | 13 GHz – 14 GHz | 13 GHz – 14 GHz | PMI QA2 |
| 2 | Insertion Loss: | 5.0 dB Max. | 2.8 dB See Plot | |
| 3 | VSWR: | 2.0:1 Max. | 1.5:1 See Plot | |
| 4 | Step Size: | 0.25 dB (LSB) | 0.25 dB | |
| 5 | Adjustment Step Size Accuracy: | ± 0.125 dB | ± 0.102 dB | |
| 6 | Phase Variation Vs Attenuation Step Size: | 1.5° / dB Typ. 2.0° / dB Max. | 0.9° / dB | |
| 7 | Input 0.1 dB Compression Point: | +20 dBm Min. | > +20 dBm | |
| 8 | Monotonicity: | Guaranteed | Pass | |
| 9 | Switching Speed: | 1.0 µs Max. On 0.5 µs Max Off | < 0.5 µs On < 0.4 µs Off See Typical Characteristics | |
| 10 | DC Power Supply: | +12 V @ 150 mA Max. | 149 mA | |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 0.25 | 0.24 | 0.01 | 0.00 |
| 0.50 | 0.48 | 0.02 | 0.00 |
| 1.00 | 0.96 | 0.04 | 0.01 |
| 2.00 | 1.96 | 0.04 | 0.01 |
| 4.00 | 3.96 | 0.04 | 0.03 |
| 8.00 | 7.99 | 0.01 | 0.06 |
| 16.00 | 16.15 | -0.15 | 0.11 |
| 32.00 | 32.67 | -0.67 | 0.15 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 5.00 | 4.83 | 0.17 | 0.04 |
| 10.00 | 10.02 | -0.02 | 0.08 |
| 15.00 | 15.08 | -0.08 | 0.11 |
| 20.00 | 20.27 | -0.27 | 0.13 |
| 25.00 | 25.40 | -0.40 | 0.14 |
| 30.00 | 30.59 | -0.59 | 0.14 |
| 35.00 | 35.71 | -0.71 | 0.14 |
| 40.00 | 40.97 | -0.97 | 0.14 |

QA/QC Approval: PMI QA2

Date: 6/30/21



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