

# SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-1

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: 13380  
 Part No: \_\_\_\_\_

Tested By: K. Mansfield  
 Date: 11/23/2021  
 Drawing No: 27617783 Rev: A1

| TEST. ITEM NO | PARAMETERS                              | SPECIFIED VALUE  | TEST RESULTS                            | QA QC       |             |
|---------------|---|------------------|---|-------------|-------------|
| 1             | Frequency Range:                        | 0.5 GHz – 18 GHz | 0.5 GHz – 18 GHz                        | PMI<br>QA 2 |             |
| 2             | Insertion Loss:                         | 4.8 dB Max.      | 3.7 dB<br>See Plot                      |             |             |
| 3             | VSWR:                                   | 2.0:1 Max.       | 1.83:1<br>See Plot                      |             |             |
| 4             | Flatness to 20 dB:                      | ± 1.0 dB Typ.    | 0.5 dB<br>See Plot                      |             |             |
| 6             | Flatness to 40 dB:                      | ± 1.25 dB Typ.   | 1.12 dB<br>See Plot                     |             |             |
| 7             | Flatness to 60 dB:                      | ± 3.0 dB Typ.    | 1.49 dB<br>See Plot                     |             |             |
| 8             | Accuracy of Attenuation<br>0 to 20 dB:  | ± 1.0 dB Typ.    | 0.29 dB<br>See Plot                     |             |             |
| 9             | Accuracy of Attenuation<br>20 to 40 dB: | ± 1.5 dB Typ.    | 0.67 dB<br>See Plot                     |             |             |
| 10            | Accuracy of Attenuation<br>40 to 60 dB: | ± 2.0 dB Typ.    | 1.14 dB<br>See Plot                     |             |             |
| 11            | Switching Speed:                        | 1.0 us Max.      | < 1.0 us<br>See Typical Characteristics |             |             |
| 12            | DC Supply:                              | +15VDC @ 155 mA  | 110 mA                                  |             | PMI<br>QA 2 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB                    | dB          | dB                      | ±dB         |
| 0.0625                | 0.07        | 0.00                    | 0.01        |
| 0.125                 | 0.12        | 0.00                    | 0.01        |
| 0.25                  | 0.25        | 0.00                    | 0.02        |
| 0.50                  | 0.50        | 0.00                    | 0.03        |
| 1.00                  | 1.01        | -0.01                   | 0.07        |
| 2.00                  | 2.01        | -0.01                   | 0.13        |
| 4.00                  | 4.02        | -0.02                   | 0.23        |
| 8.00                  | 8.02        | -0.02                   | 0.29        |
| 16.00                 | 16.13       | -0.67                   | 0.37        |
| 32.00                 | 32.67       | -0.67                   | 1.12        |
| 62.00                 | 62.91       | -0.91                   | 1.88        |
| 63.94                 | 65.08       | -1.14                   | 2.67        |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB                    | dB          | dB                      | ±dB         |
| 5.00                  | 5.01        | -0.01                   | 0.25        |
| 10.00                 | 10.05       | -0.05                   | 0.29        |
| 15.00                 | 15.06       | -0.06                   | 0.35        |
| 20.00                 | 20.29       | -0.29                   | 0.50        |
| 25.00                 | 25.41       | -0.41                   | 0.59        |
| 30.00                 | 30.64       | -0.64                   | 0.98        |
| 35.00                 | 35.66       | -0.66                   | 1.03        |
| 40.00                 | 40.58       | -0.58                   | 0.91        |
| 45.00                 | 45.63       | -0.63                   | 1.09        |
| 50.00                 | 50.64       | -0.64                   | 1.26        |
| 55.00                 | 55.79       | -0.79                   | 1.23        |
| 60.00                 | 61.14       | -1.14                   | 1.49        |

QA/QC Approval: \_\_\_\_\_

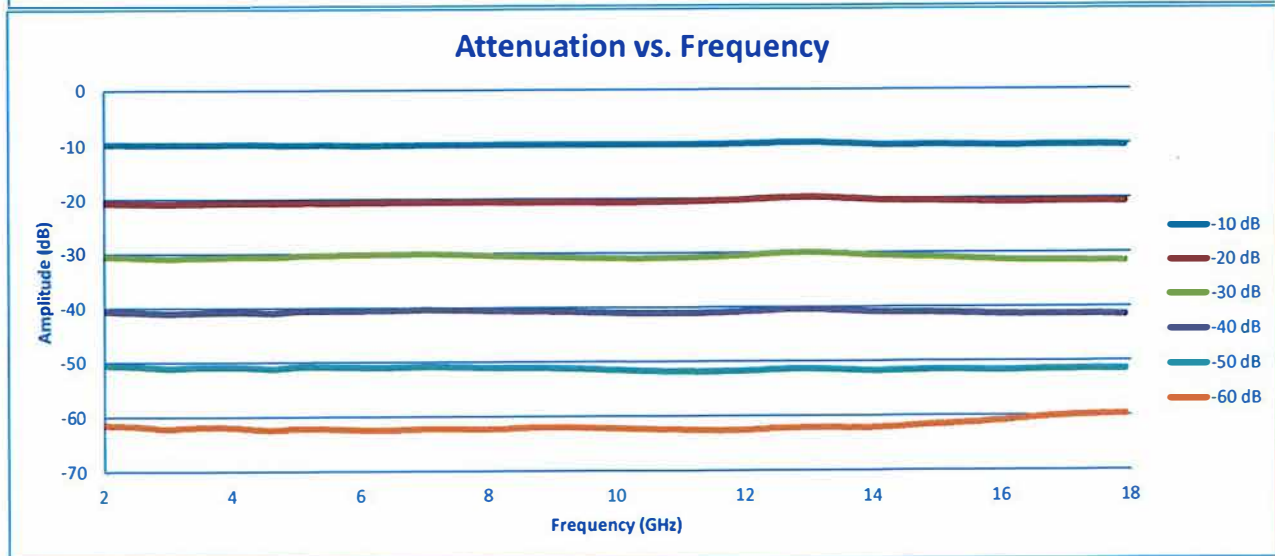
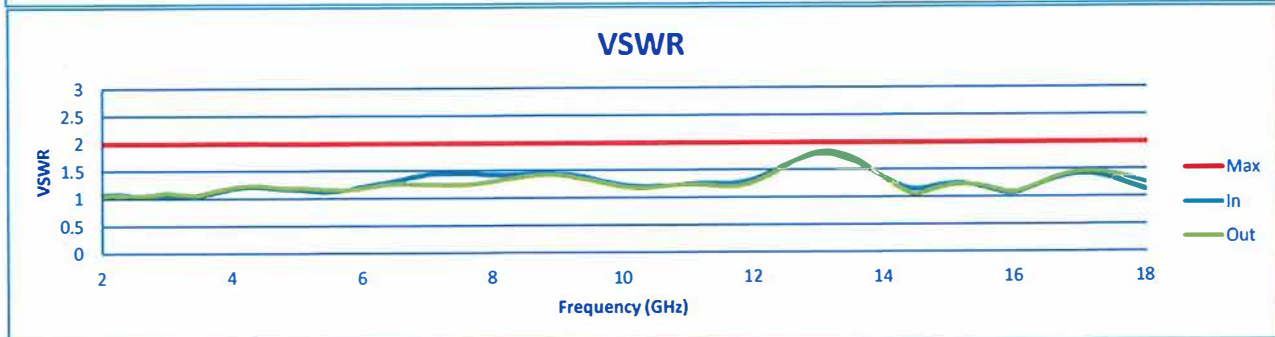
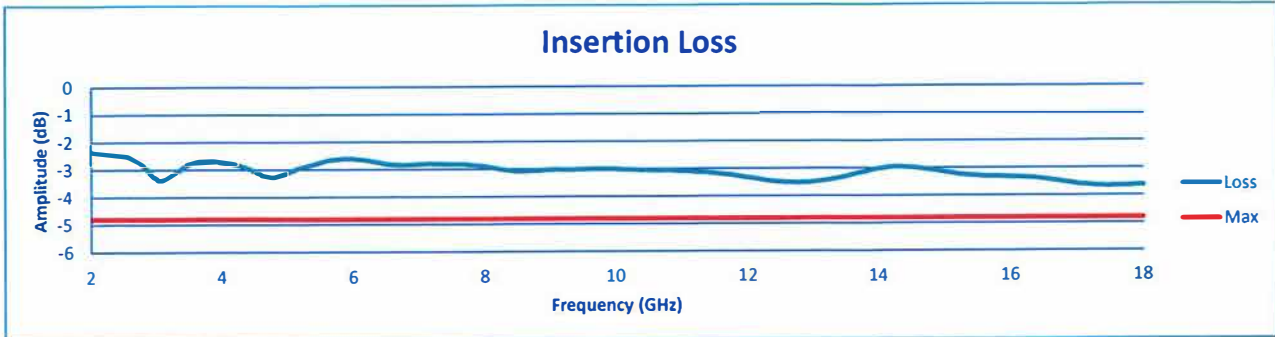


PMI  
QA 2

Date: 11/24/2021

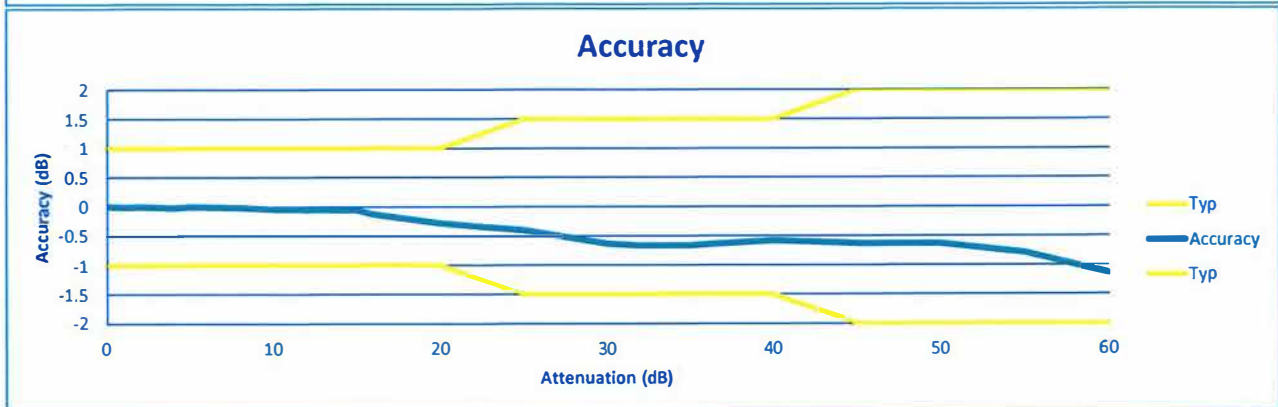
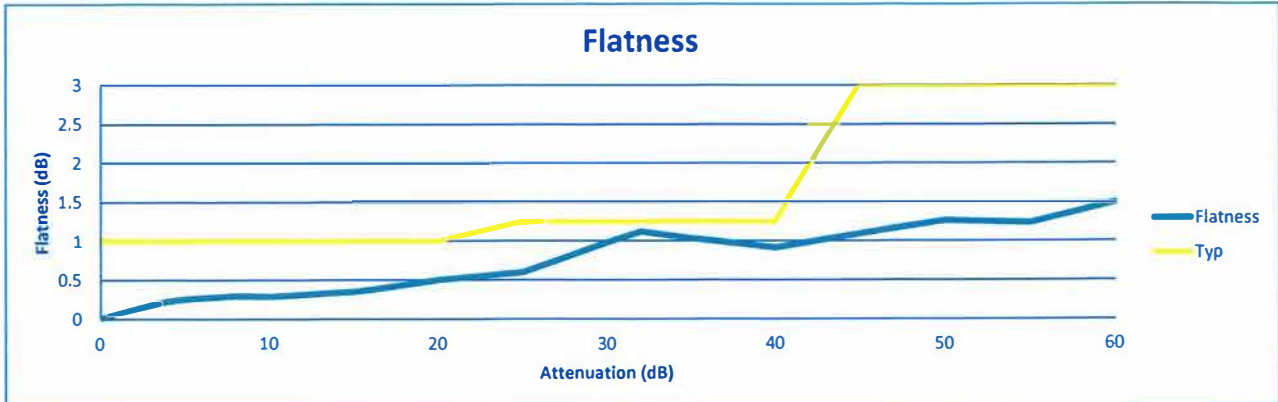
# SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-1

13380



7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
Email: sales@pmi-rf.com

# SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-1



7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
Email: sales@pmi-rf.com