



**SUMMARY TEST DATA
ON
PS-500M2G-10B-SFF-MIL-SM**

Customer: _____
 Job No: _____
 Model No: PS-500M2G-10B-SFF-MIL-SM
 Serial No: PL41289/2326

Tested By: K. Mansfield
 Date: Friday, June 30, 2023
 Temp: +25°C
 Drawing No: 27645660 Rev: A1

Data Taken at -10 dBm Input Power

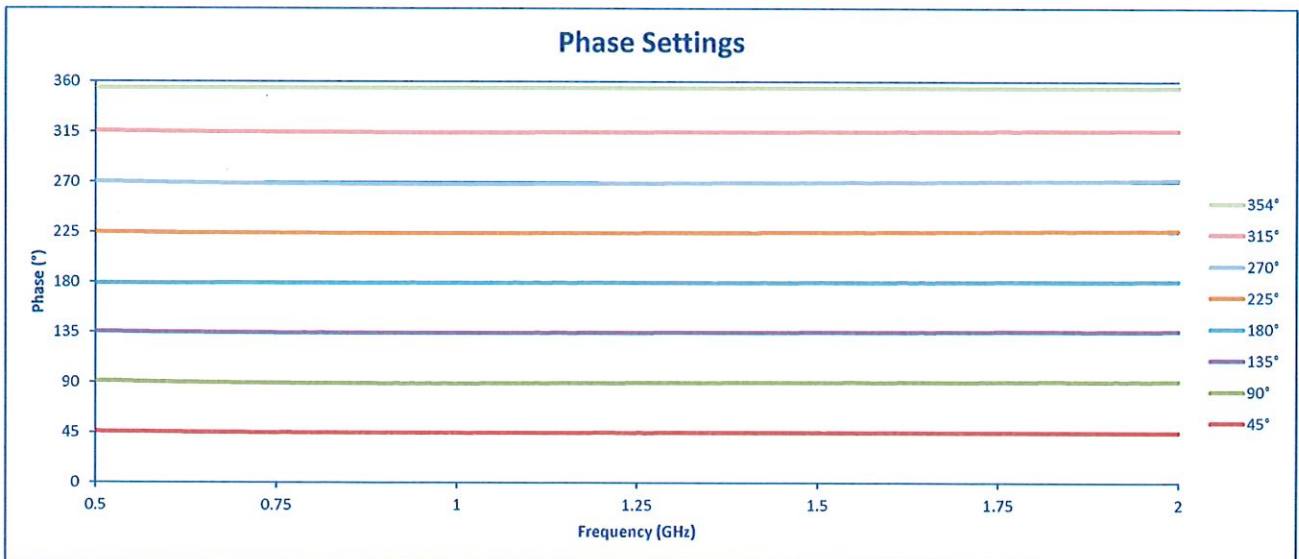
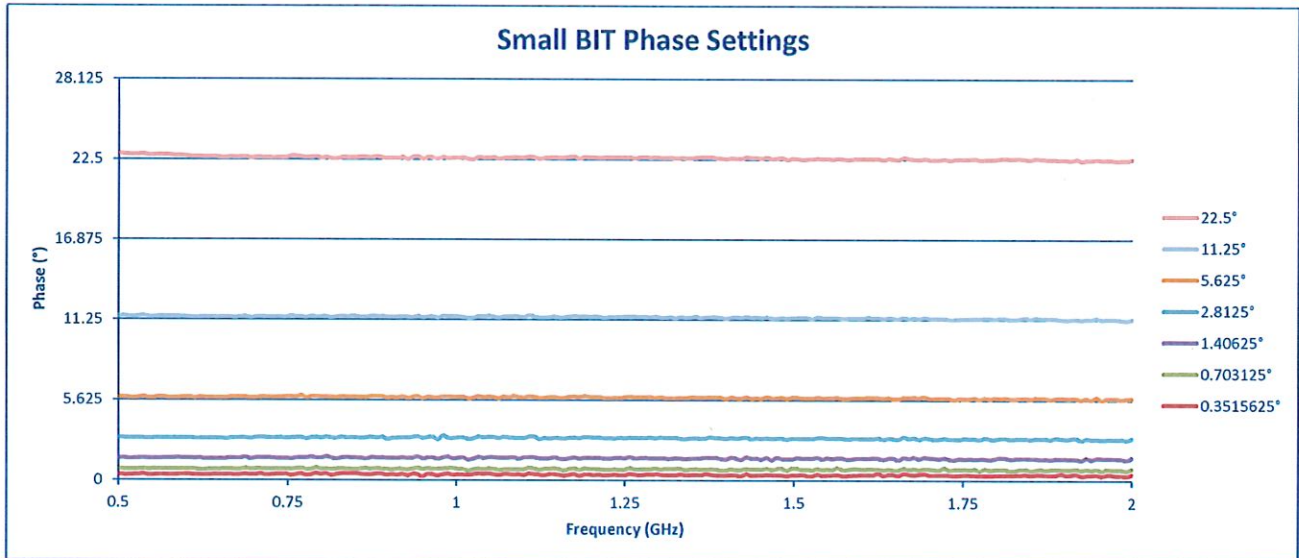
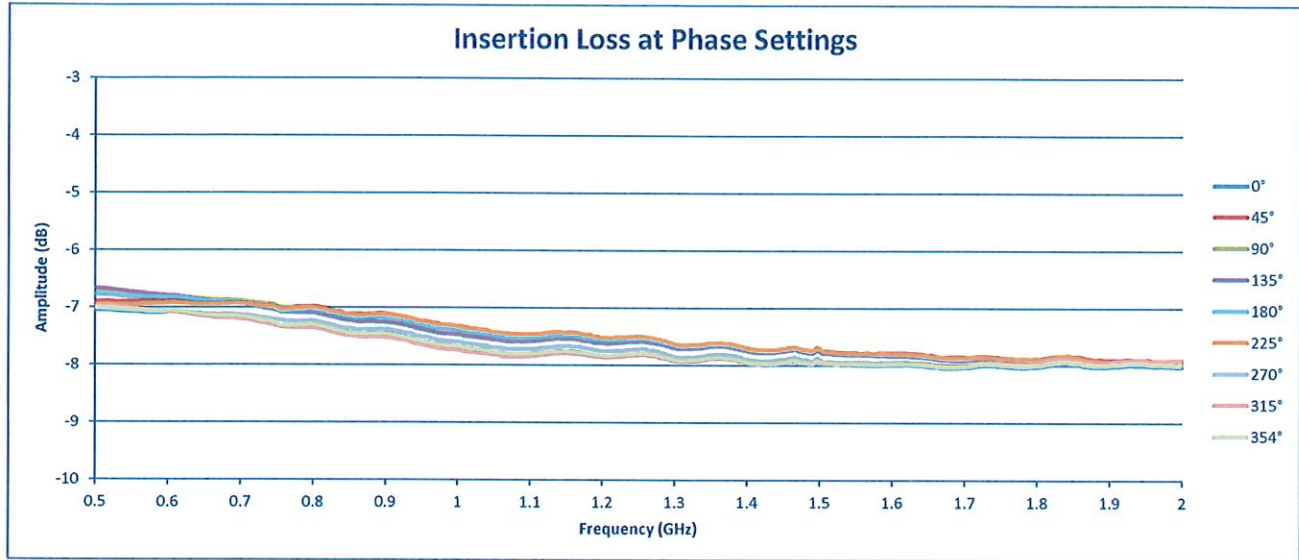
| Test Item No. | Parameters | Specified Value | Measured Value | QA QC |
|---------------|--------------------|---|---------------------------------|------------|
| 1 | Frequency Range: | 0.5 to 2 GHz | 0.5 to 2 GHz | PMI QA2 |
| 2 | Control: | 10 BIT TTL | Pass | |
| 3 | Insertion Loss: | 13 dB Max. | 8 dB See Plot | |
| 4 | Phase Shift: | 360° Typ. | 360° | |
| 5 | Amplitude Error: | ±1.0 dB Max. | ±0.04 dB See Plot | |
| 6 | Phase Shift Error: | ±5° Max. | +0° -0.2° See Plot | |
| 7 | Switching Speed: | 500 ns Max. | See Typical Characteristics | |
| 8 | Spurious: | -60 dBc Max. | See Typical Characteristics | |
| 9 | Power Supply: | +15 V @ 250 mA Typ. -15 V @ 20 mA Typ. | +15 V @ 173 mA -15 V @ 31 mA | |

| Programed Phase Shift | Phase Shift | Accuracy | Flatness |
|-----------------------|-------------|----------|----------|
| DEG | DEG | DEG | ±DEG |
| 0.3515625 | 0.38 | -0.03 | 0.12 |
| 0.703125 | 0.79 | -0.08 | 0.12 |
| 1.40625 | 1.55 | -0.15 | 0.12 |
| 2.8125 | 2.99 | -0.18 | 0.15 |
| 5.625 | 5.79 | -0.17 | 0.14 |
| 11.25 | 11.40 | -0.15 | 0.18 |
| 22.50 | 22.66 | -0.16 | 0.26 |
| 45.00 | 45.06 | -0.06 | 0.64 |
| 90.00 | 90.12 | -0.12 | 1.19 |
| 180.00 | 180.17 | -0.17 | 0.92 |

| Programed Phase Shift | Phase Shift | Accuracy | Flatness |
|-----------------------|-------------|----------|----------|
| DEG | DEG | DEG | ±DEG |
| 33.75 | 33.83 | -0.08 | 0.40 |
| 67.50 | 67.56 | -0.06 | 1.05 |
| 101.25 | 101.39 | -0.14 | 1.13 |
| 135.00 | 135.14 | -0.14 | 0.86 |
| 168.75 | 168.90 | -0.15 | 0.82 |
| 202.50 | 202.64 | -0.14 | 1.01 |
| 236.25 | 236.29 | -0.04 | 1.61 |
| 270.00 | 270.05 | -0.05 | 1.90 |
| 303.75 | 303.79 | -0.04 | 1.26 |
| 337.50 | 337.52 | -0.02 | 0.40 |

QA/QC Approval: PMI QA2

Date: 6/30/2023



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