



SUMMARY TEST DATA ON PS-30M2G-8B-SFF

Customer: _____
 Job No: _____
 Model No: PS-30M2G-8B-SFF
 Serial No: PL43027/2348

Tested By: E. Kretz
 Date: Thursday, November 30, 2023
 Temp: +25°C
 Drawing No: 27644980 Rev: B1

Data Taken at -10 dBm Input Power

| Test Item No. | Parameters | Specified Value | Measured Value | QA QC | |
|---------------|--------------------|---------------------------------|---------------------------------|------------|------------|
| 1 | Frequency Range: | 0.03 to 2.0 GHz | 0.03 to 2.0 GHz | PMI QA2 | |
| 2 | Control: | 8 BIT TTL | Pass | | |
| 3 | Insertion Loss: | 14 dB Max. | 10.16 dB See Plot | | |
| 4 | VSWR: | 2.0:1 MAX | 1.89:1 | | |
| 5 | Phase Shift: | 360° Typ. | 359.9° | | |
| 6 | Amplitude Error: | ±1.5 dB MAX. | ±0.07 dB See Plot | | |
| 7 | Phase Shift Error: | ±10° Typ. | +0.95° 0.01° See Plot | | |
| 8 | Switching Speed: | 500 ns Max. | See Typical Characteristics | | |
| 9 | Power Supply: | +15 V @ 275 mA -15 V @ 75 mA | +15 V @ 188 mA -15 V @ 31 mA | | PMI QA2 |

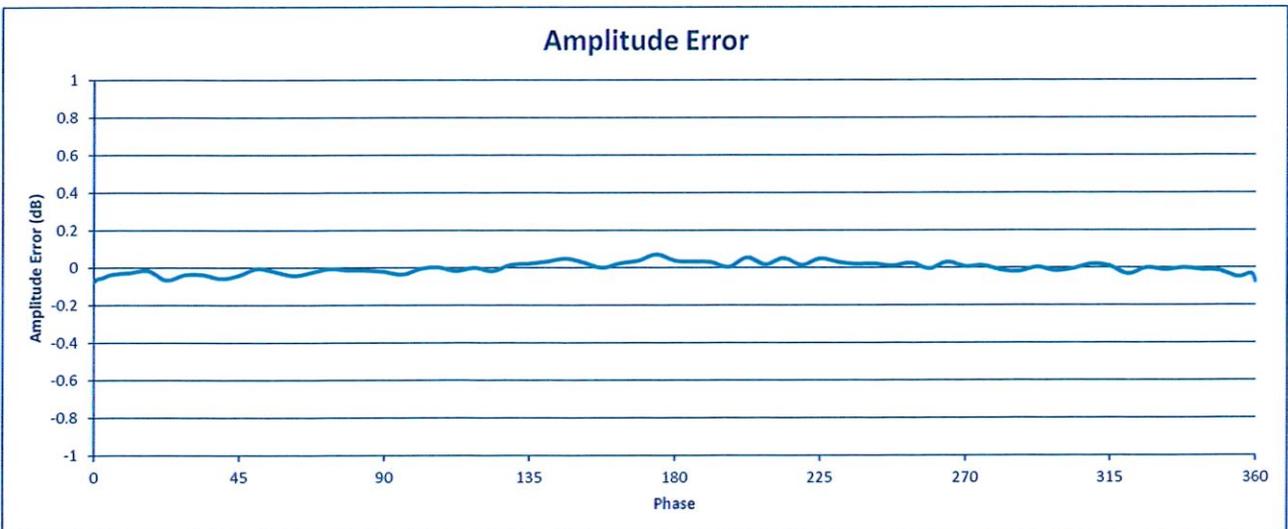
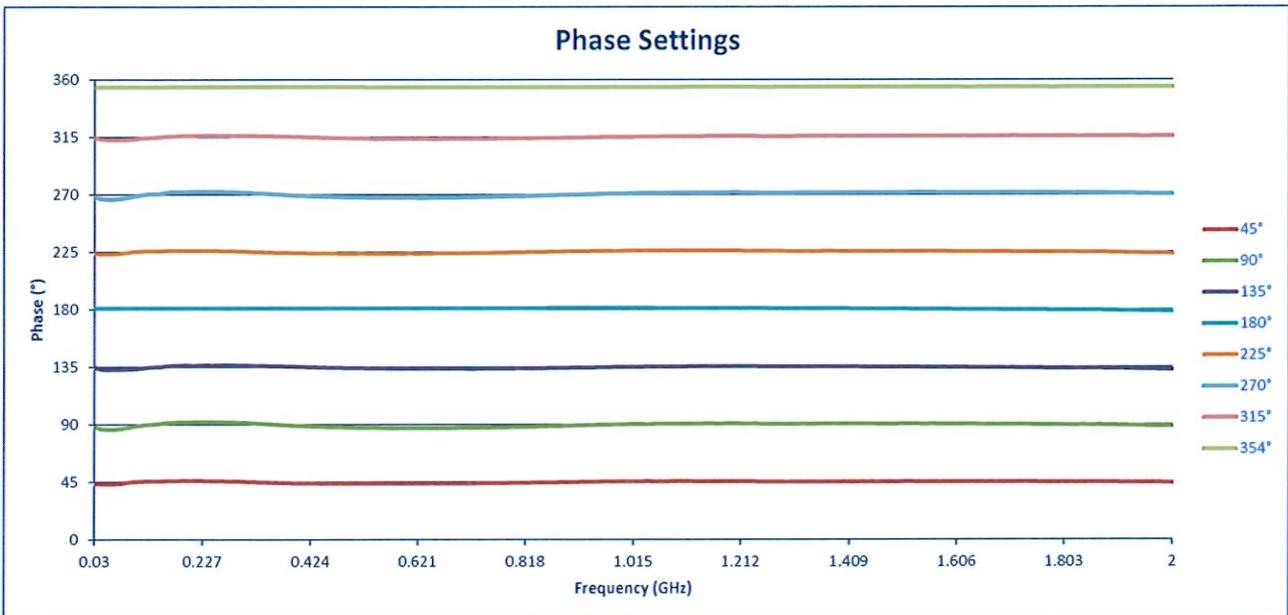
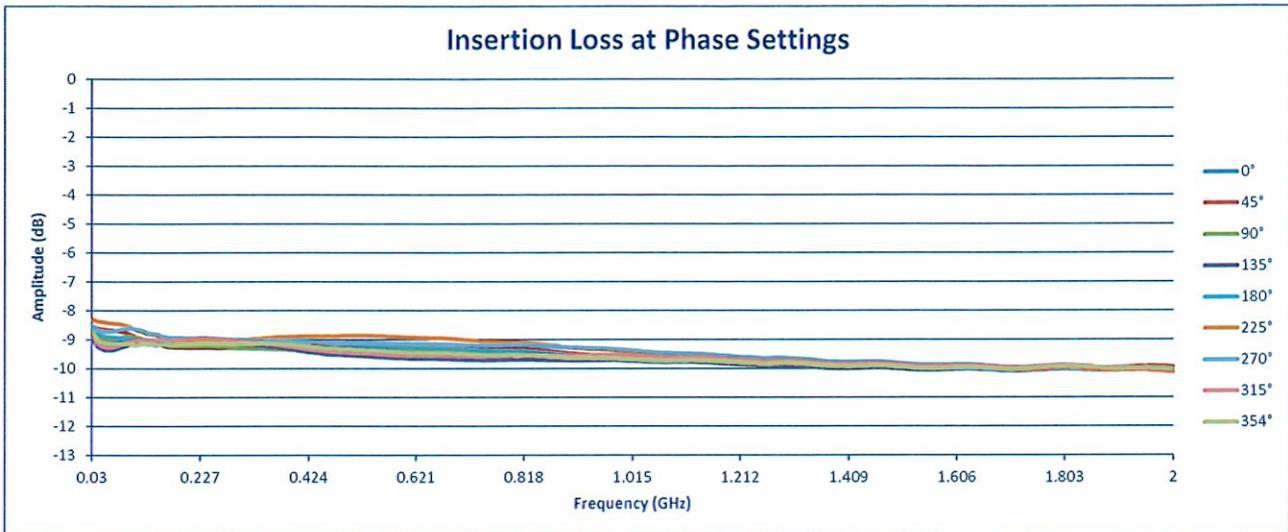
| Programed Phase Shift | Phase Shift | Accuracy | Flatness |
|-----------------------|-------------|----------|----------|
| DEG | DEG | DEG | ±DEG |
| 1.40625 | 1.36 | 0.05 | 0.05 |
| 2.8125 | 2.76 | 0.05 | 0.09 |
| 5.625 | 5.57 | 0.06 | 0.15 |
| 11.25 | 11.23 | 0.02 | 0.27 |
| 22.5 | 22.46 | 0.04 | 0.50 |
| 45 | 44.61 | 0.39 | 1.37 |
| 90 | 89.06 | 0.94 | 3.05 |
| 180 | 179.88 | 0.12 | 1.33 |
| 358.59375 | 358.42 | 0.17 | 0.06 |

| Programed Phase Shift | Phase Shift | Accuracy | Flatness |
|-----------------------|-------------|----------|----------|
| DEG | DEG | DEG | ±DEG |
| 33.75 | 33.53 | 0.22 | 0.80 |
| 67.5 | 66.78 | 0.72 | 2.44 |
| 101.25 | 100.36 | 0.89 | 3.03 |
| 135 | 134.69 | 0.31 | 1.78 |
| 168.75 | 168.55 | 0.20 | 1.40 |
| 202.5 | 202.45 | 0.05 | 1.31 |
| 236.25 | 235.99 | 0.26 | 1.94 |
| 270 | 269.40 | 0.60 | 3.00 |
| 303.75 | 303.28 | 0.47 | 2.27 |
| 337.5 | 337.18 | 0.32 | 0.70 |

QA/QC Approval:

PMI
QA2

Date: 11/30/2023



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