

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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: PS-500M2G-10B-SFF-MIL-SM  
 Serial No: PL41290/2326

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.	359.9°		
5	Amplitude Error:	±1.0 dB Max.	±0.06 dB See Plot		
6	Phase Shift Error:	±5° Max.	+0.2° -0.3° 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 @ 176 mA -15 V @ 31 mA		PMI QA2

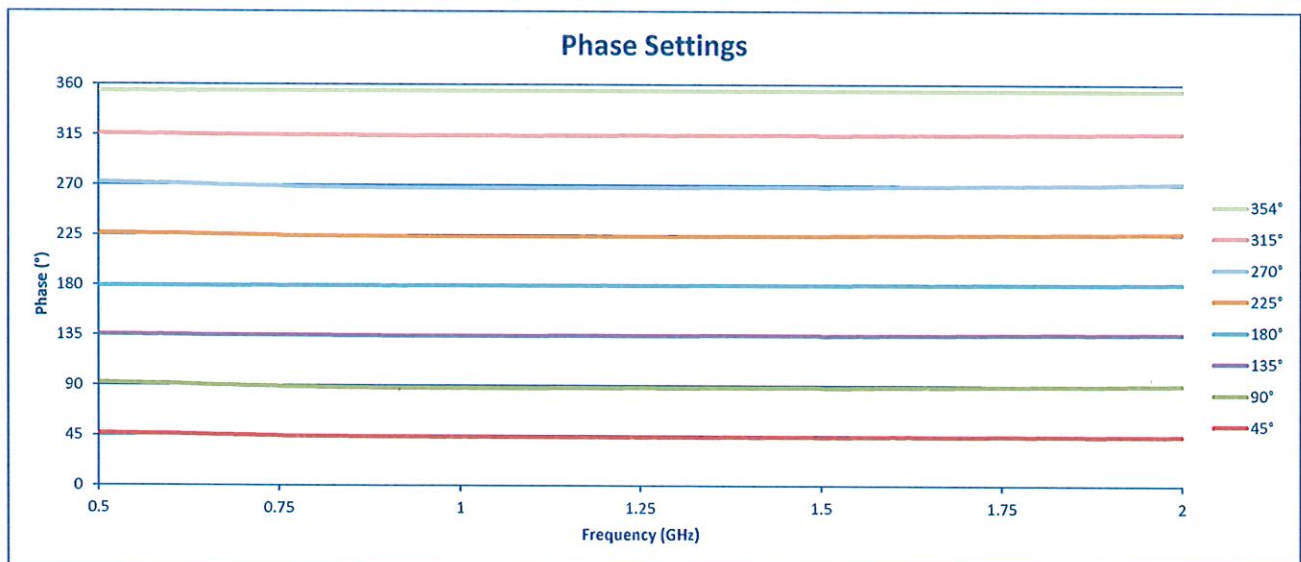
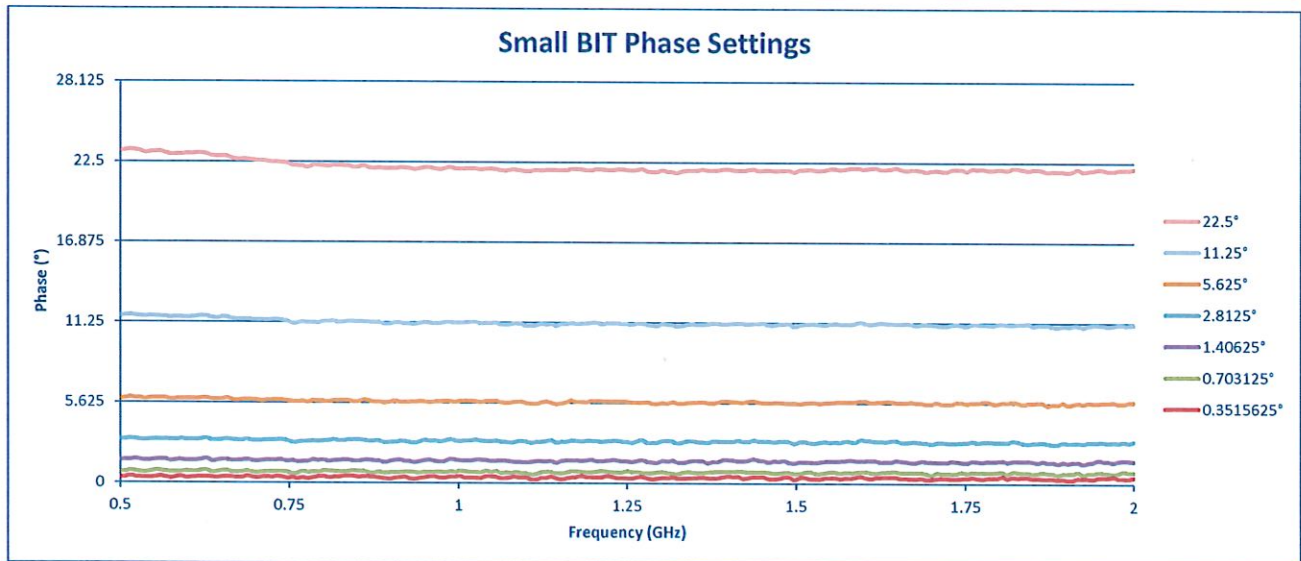
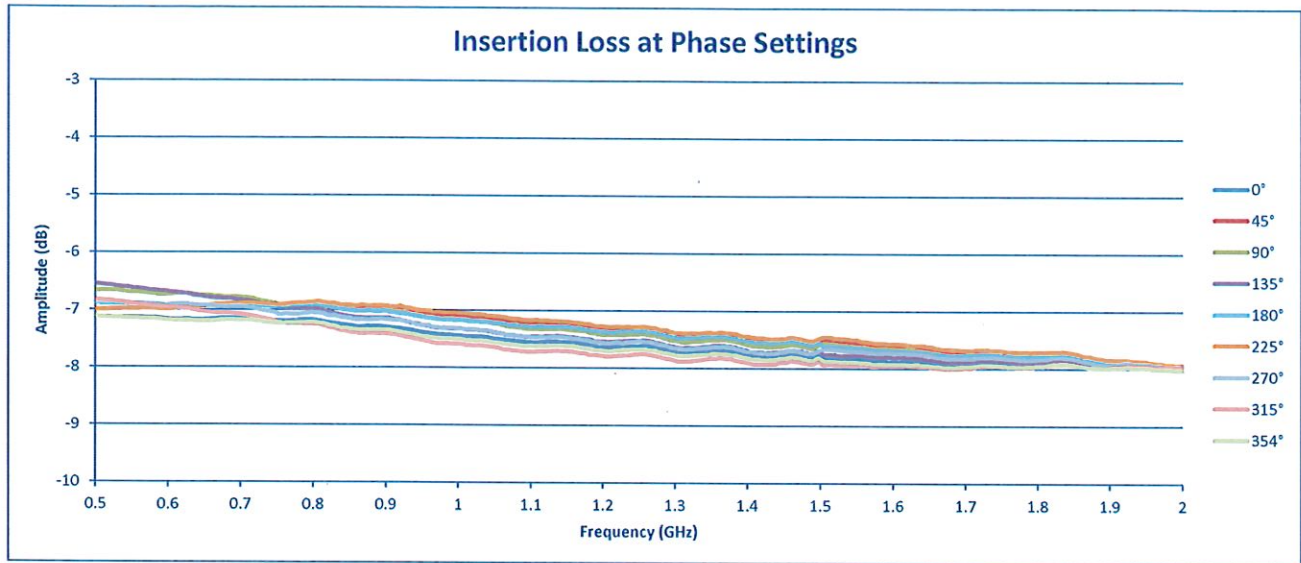
Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.3515625	0.39	-0.03	0.14
0.703125	0.76	-0.06	0.15
1.40625	1.58	-0.17	0.15
2.8125	2.95	-0.14	0.17
5.625	5.74	-0.12	0.25
11.25	11.38	-0.13	0.39
22.50	22.57	-0.07	0.79
45.00	44.96	0.04	1.61
90.00	89.89	0.11	2.46
180.00	180.28	-0.28	0.93

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.77	-0.02	1.17
67.50	67.36	0.14	2.33
101.25	101.20	0.05	2.19
135.00	135.26	-0.26	0.93
168.75	169.07	-0.32	0.99
202.50	202.64	-0.14	1.07
236.25	236.15	0.10	2.01
270.00	269.82	0.18	2.54
303.75	303.64	0.11	1.46
337.50	337.50	0.00	0.47

QA/QC Approval:

PMI  
QA2

Date: 6/30/2023



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