



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: PS-500M2G-10B-SFF-MIL-SM  
 Serial No: PL41288/2326

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.	7.9 dB See Plot	
4	Phase Shift:	360° Typ.	360°	
5	Amplitude Error:	±1.0 dB Max.	±0.14 dB See Plot	
6	Phase Shift Error:	±5° Max.	+0.7° -0.5° 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 @ 177 mA -15 V @ 35 mA	

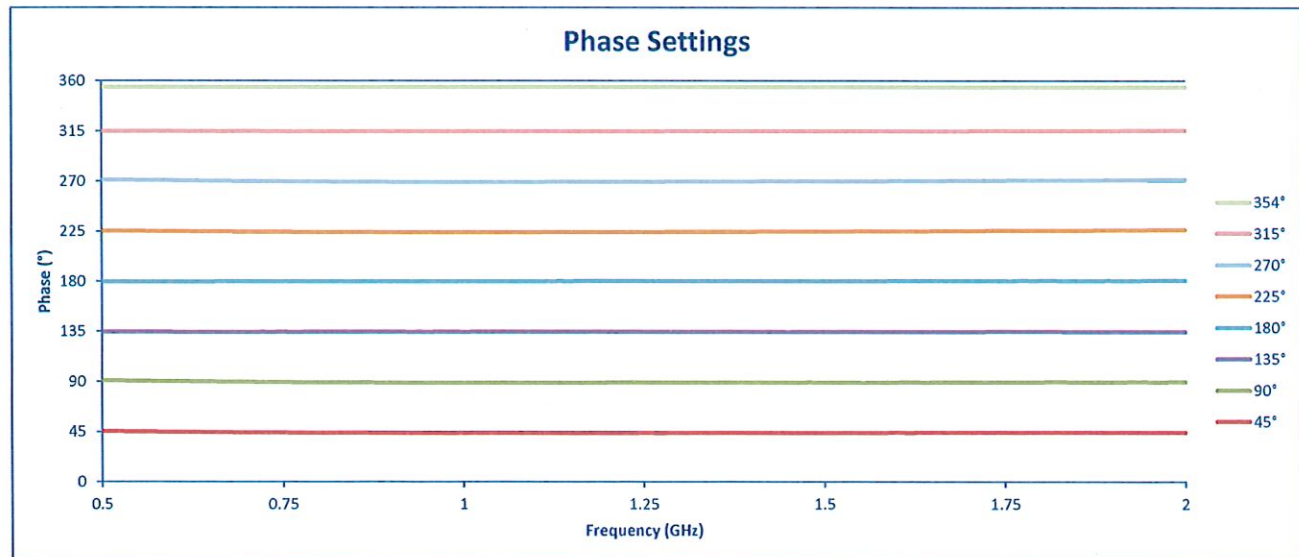
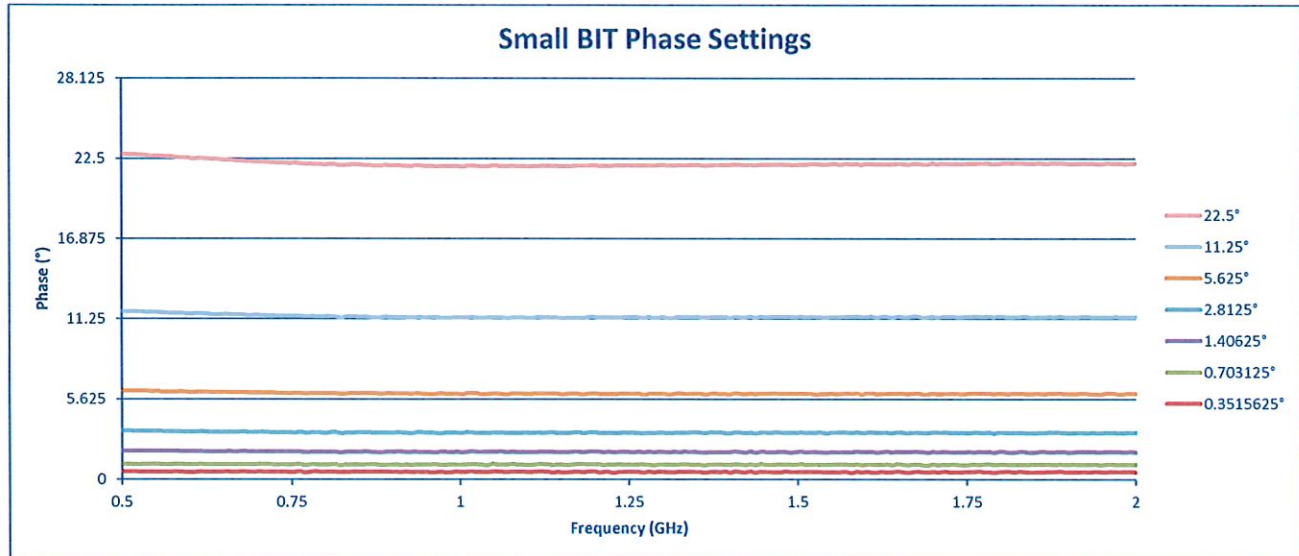
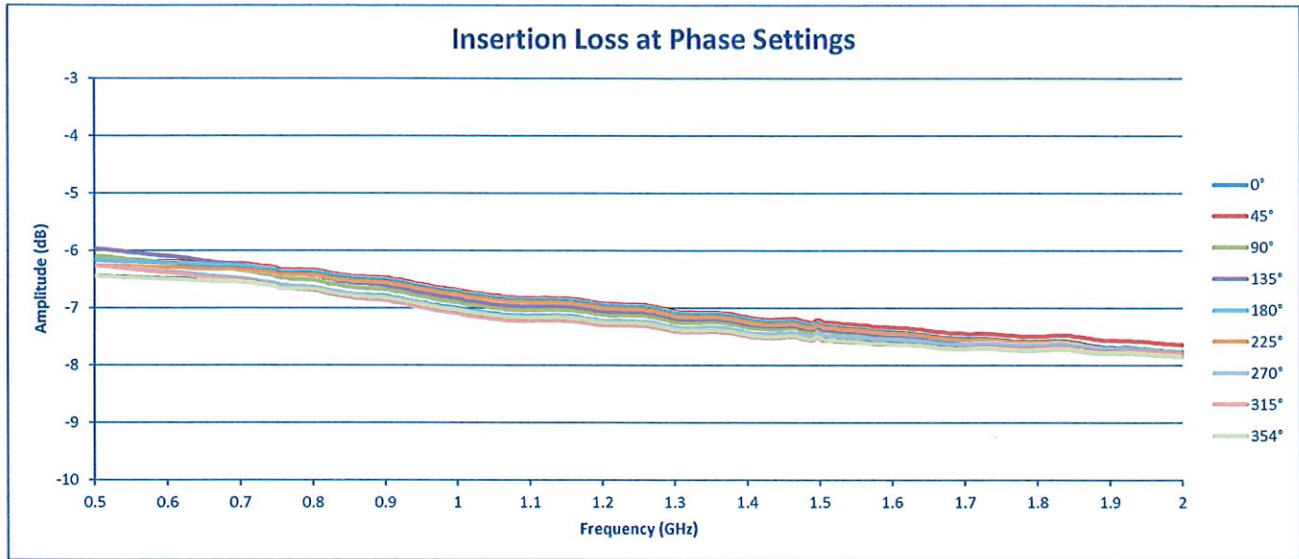
Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.3515625	0.52	-0.16	0.06
0.703125	1.04	-0.34	0.07
1.40625	1.94	-0.53	0.07
2.8125	3.33	-0.52	0.10
5.625	6.08	-0.45	0.14
11.25	11.54	-0.29	0.24
22.50	22.37	0.13	0.46
45.00	44.28	0.72	0.88
90.00	89.88	0.12	1.07
180.00	180.36	-0.36	0.55

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.21	0.54	0.67
67.50	67.01	0.49	1.17
101.25	101.13	0.12	0.88
135.00	134.59	0.41	0.22
168.75	168.95	-0.20	0.57
202.50	202.68	-0.18	0.76
236.25	236.39	-0.14	1.34
270.00	270.43	-0.43	1.20
303.75	303.63	0.12	0.64
337.50	337.39	0.11	0.29

QA/QC Approval: [Signature] [Signature]

PMI  
QA2

Date: 6/30/2023



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