



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

Customer: _____
 Job No: _____
 Model No: PS-500M2G-10B-SFF-MIL-SM
 Serial No: PL41156/2326

Tested By: K. Mansfield
 Date: Tuesday, June 27, 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.	8.1 dB See Plot	
4	Phase Shift:	360° Typ.	360°	
5	Amplitude Error:	±1.0 dB Max.	±0.09 dB See Plot	
6	Phase Shift Error:	±5° Max.	+0.3° -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 @ 180 mA -15 V @ 32 mA	

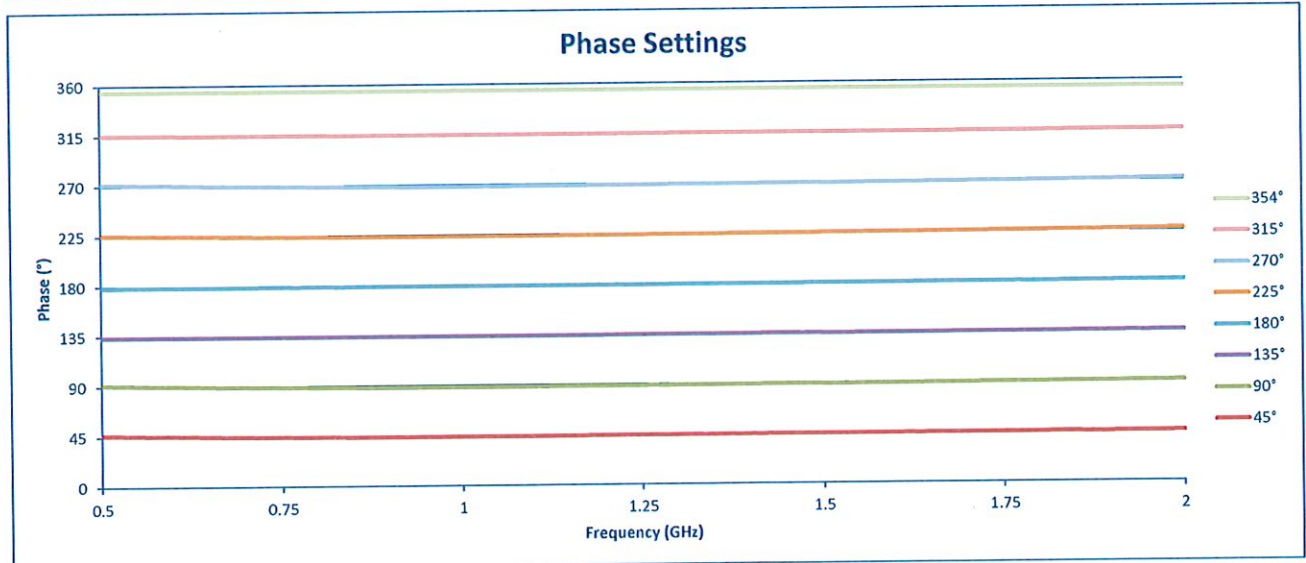
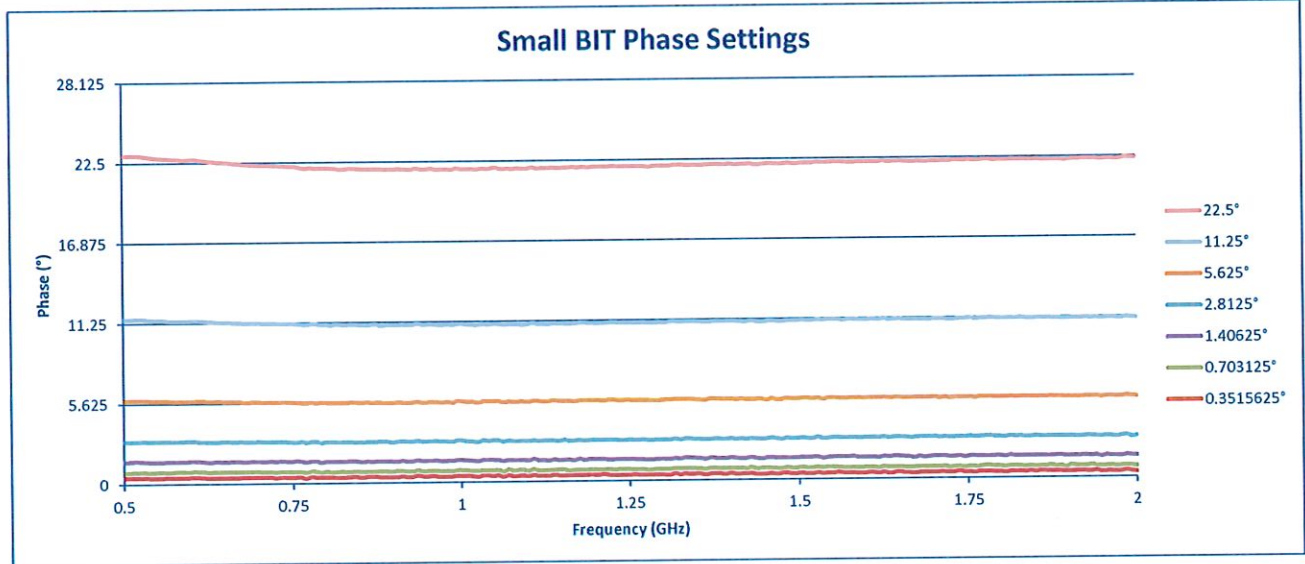
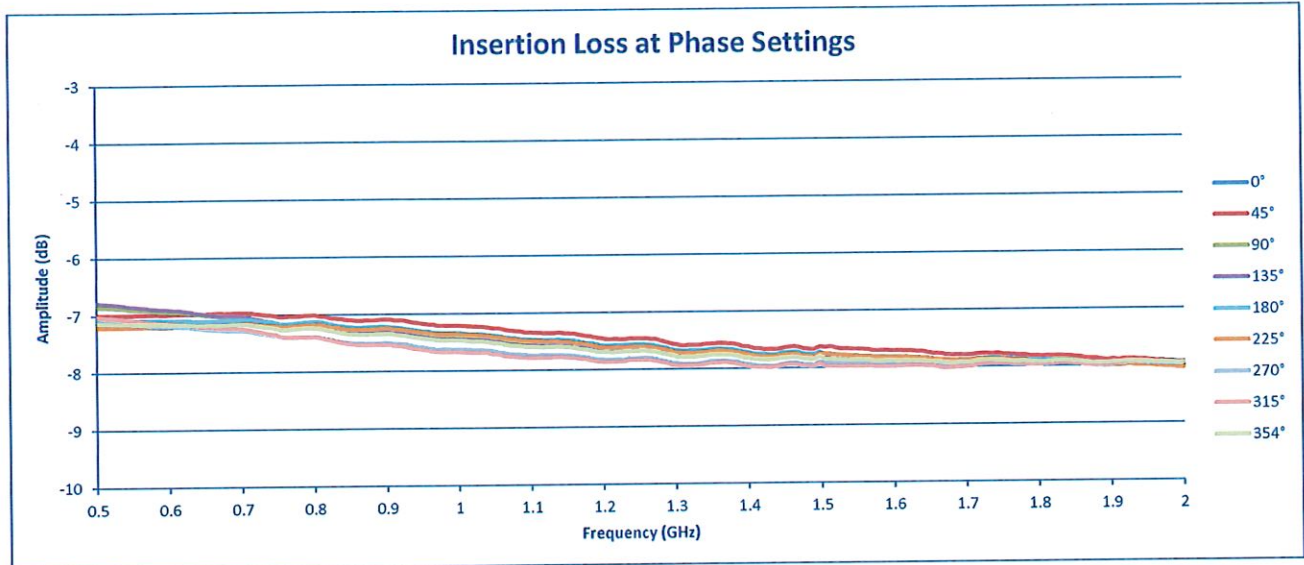
Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.3515625	0.41	-0.06	0.08
0.703125	0.81	-0.11	0.08
1.40625	1.52	-0.12	0.08
2.8125	2.90	-0.09	0.10
5.625	5.71	-0.08	0.16
11.25	11.27	-0.02	0.28
22.50	22.46	0.04	0.56
45.00	44.82	0.18	1.19
90.00	89.67	0.33	1.49
180.00	179.77	0.23	1.04

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.64	0.11	0.88
67.50	67.23	0.27	1.61
101.25	100.95	0.30	1.23
135.00	134.73	0.27	0.84
168.75	168.49	0.26	1.10
202.50	202.46	0.04	1.24
236.25	236.33	-0.08	1.83
270.00	270.11	-0.11	1.69
303.75	303.97	-0.22	0.91
337.50	337.64	-0.14	0.31

QA/QC Approval:

PMI
QA2

Date: 6/30/2023



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