



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

Customer: _____
 Job No: _____
 Model No: PS-500M2G-10B-SFF-MIL-SM
 Serial No: PL41273/2326

Tested By: K. Mansfield
 Date: Wednesday, June 28, 2023
 Temp: +25°C
 Drawing No: 27645660 Rev: A1

Data Taken at -10 dBm Input Power

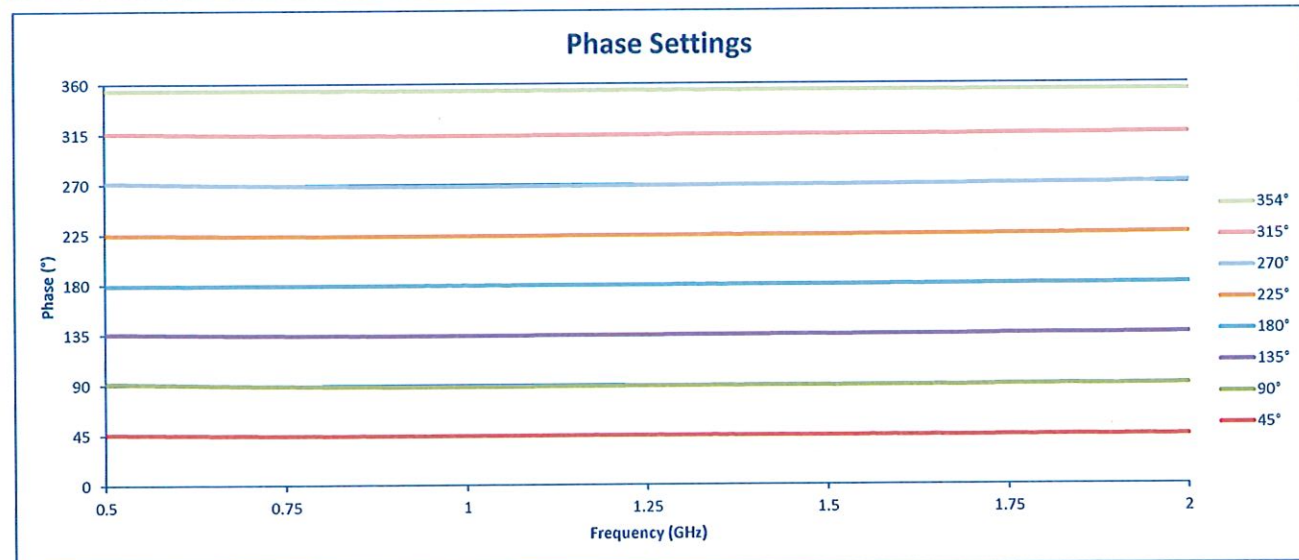
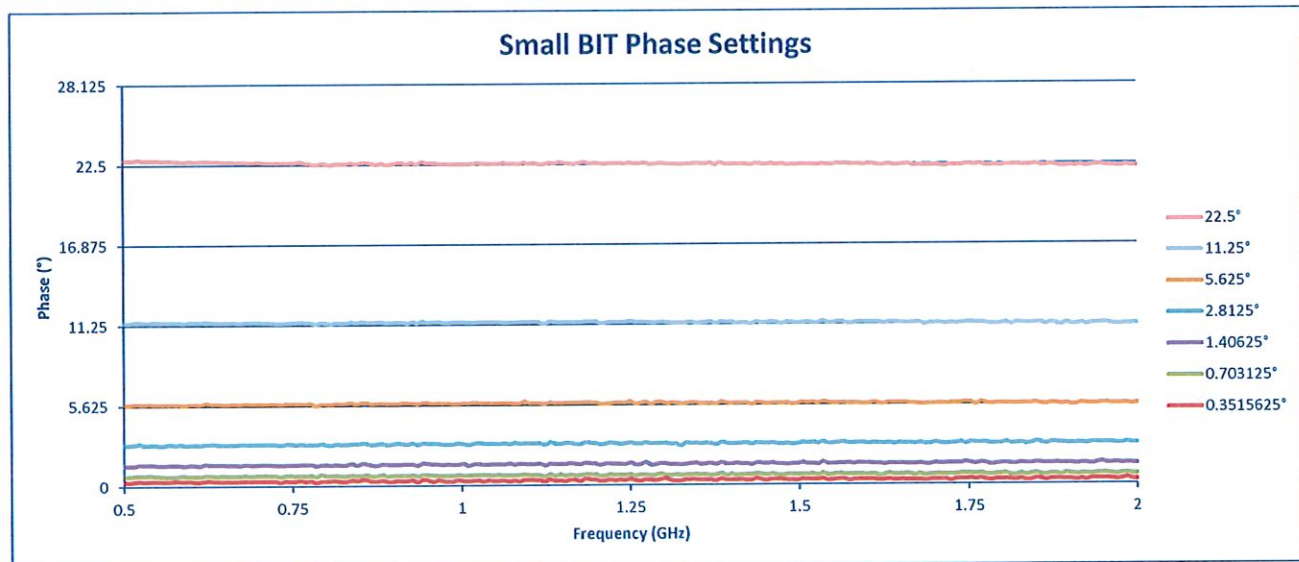
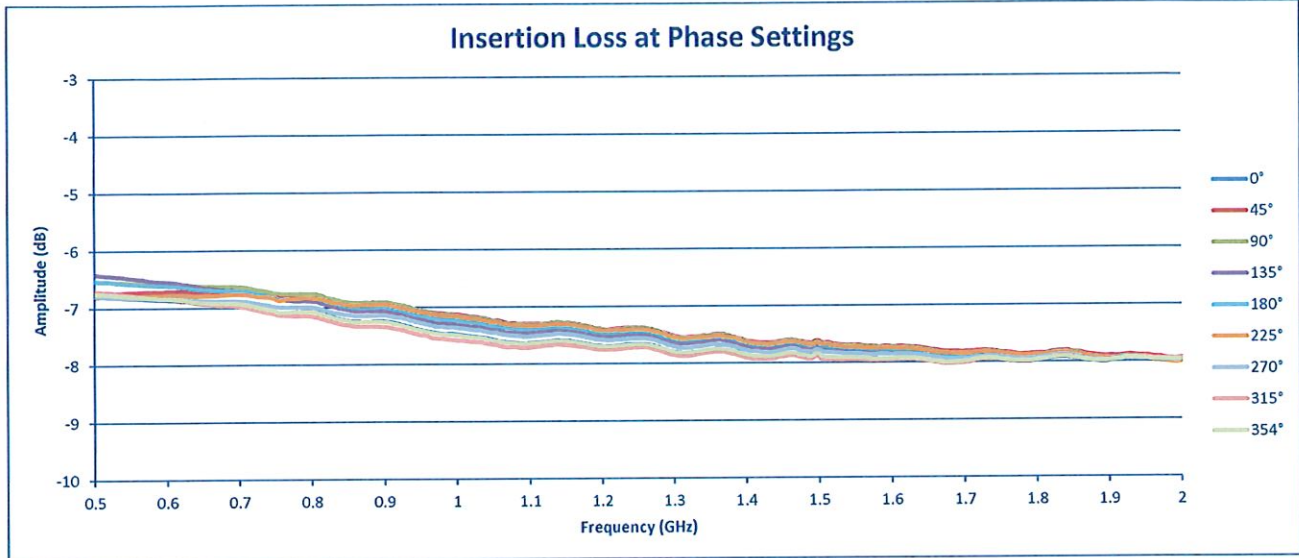
Test Item No.	Parameters	Specified Value	Measured Value	QA QC
1	Frequency Range:	0.5 to 2 GHz	0.5 to 2 GHz	PMI QA2
2	Control:	10 BIT TTL	Pass	
3	Insertion Loss:	13 dB Max.	8 dB See Plot	
4	Phase Shift:	360° Typ.	360°	
5	Amplitude Error:	±1.0 dB Max.	±0.04 dB See Plot	
6	Phase Shift Error:	±5° Max.	+0.1° -0.1° 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 @ 32 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
0.3515625	0.36	-0.01	0.10
0.703125	0.72	-0.02	0.09
1.40625	1.49	-0.09	0.11
2.8125	2.89	-0.08	0.13
5.625	5.73	-0.11	0.15
11.25	11.34	-0.09	0.19
22.50	22.60	-0.10	0.31
45.00	44.97	0.03	0.73
90.00	89.94	0.06	1.69
180.00	179.93	0.07	0.90

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	33.78	-0.03	0.50
67.50	67.44	0.06	1.37
101.25	101.19	0.06	1.69
135.00	134.97	0.03	1.00
168.75	168.66	0.09	0.85
202.50	202.43	0.07	0.94
236.25	236.18	0.07	1.49
270.00	269.96	0.04	1.89
303.75	303.70	0.05	1.40
337.50	337.41	0.09	0.50

QA/QC Approval: PMI
QA2

Date: 6/30/2023



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