

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

Customer: _____
 Job No: _____
 Model No: PS-30M2G-8B-SFF
 Serial No: PL50718/2450

Tested By: K. Mansfield
 Date: Friday, December 13, 2024
 Temp: +25°C
 Drawing No: 27644980 Rev: B1

Data Taken at -10 dBm Input Power

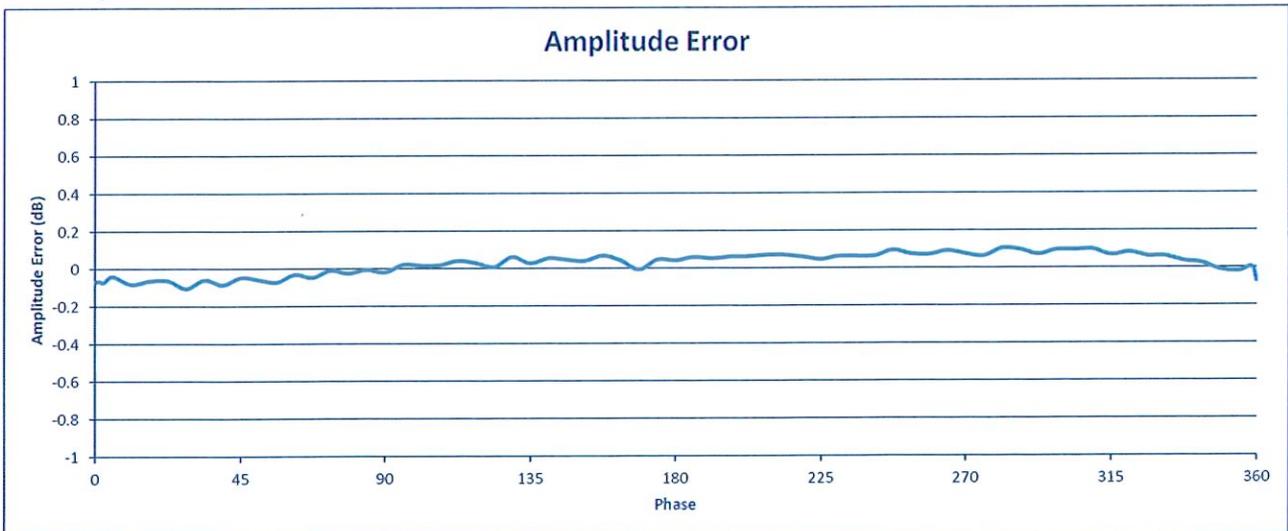
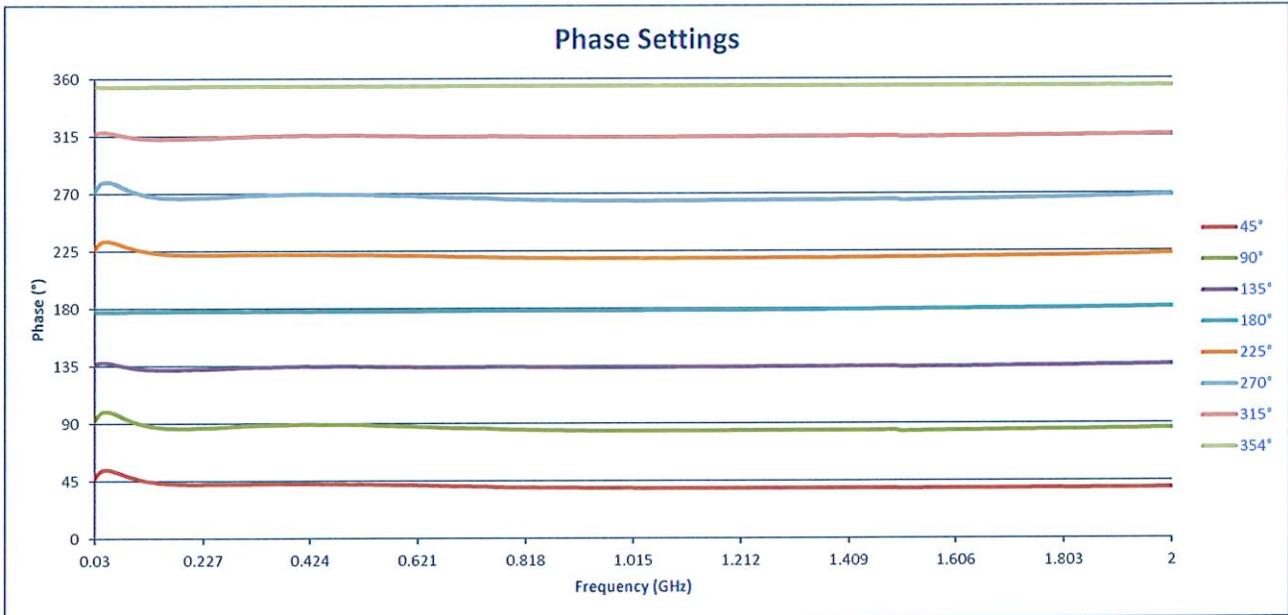
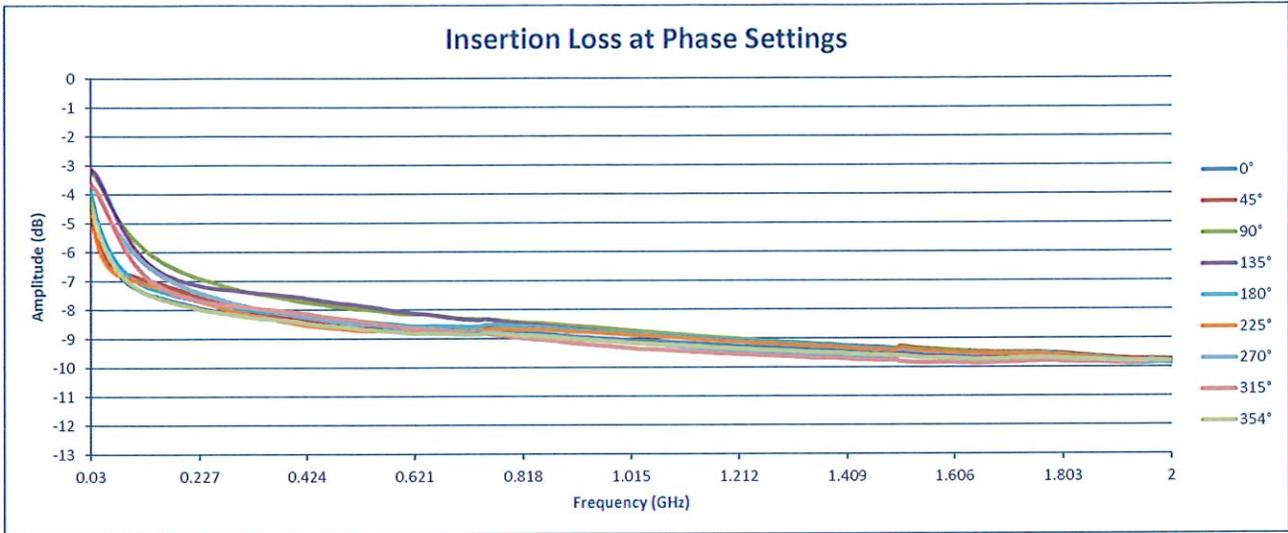
Test Item No.	Parameters	Specified Value	Measured Value	QA QC
1	Frequency Range:	0.03 to 2.0 GHz	0.03 to 2.0 GHz	/ PMI QA4
2	Control:	8 BIT TTL	Pass	
3	Insertion Loss:	13 dB Max.	9.92 dB See Plot	
4	VSWR:	2.0:1 Max.	1.68:1	
5	Phase Shift:	360° Typ.	359.9°	
6	Amplitude Error:	±1.0 dB Typ.	±0.1 dB See Plot	
7	Phase Shift Error:	±10° Typ.	+0.91° -1.97° See Plot	
8	Switching Speed:	500 ns Max.	See Typical Characteristics	
9	Power Supply:	+15 V -15 V	+15 V @ 192 mA -15 V @ 29 mA	

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
1.40625	1.30	0.11	0.21
2.8125	2.71	0.10	0.34
5.625	5.50	0.13	0.65
11.25	11.19	0.06	1.44
22.5	22.76	-0.26	3.38
45	46.38	-1.38	7.62
90	91.52	-1.52	7.94
180	179.20	0.80	1.92
358.59375	358.27	0.32	0.16

Programed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	34.57	-0.82	5.58
67.5	69.35	-1.85	9.47
101.25	102.52	-1.27	6.50
135	134.90	0.10	2.85
168.75	168.00	0.75	2.29
202.5	202.17	0.33	2.65
236.25	237.89	-1.64	8.35
270	271.76	-1.76	7.63
303.75	305.01	-1.26	3.66
337.5	337.16	0.34	1.23

QA/QC Approval: *Cameron Kelley*

Date: 12/20/24



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