

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

Customer: _____
SO: _____
Model No: **PS-500M2G-10B-SFF-MIL-SM**
Serial No: **PL56976/2550**

Tested By: **A. Mousavi**
Date: **12/16/2025**
Temp: **+25°C**
Drawing No: **27645660** Rev: **A2**

Data Taken at -10 dBm Input Power

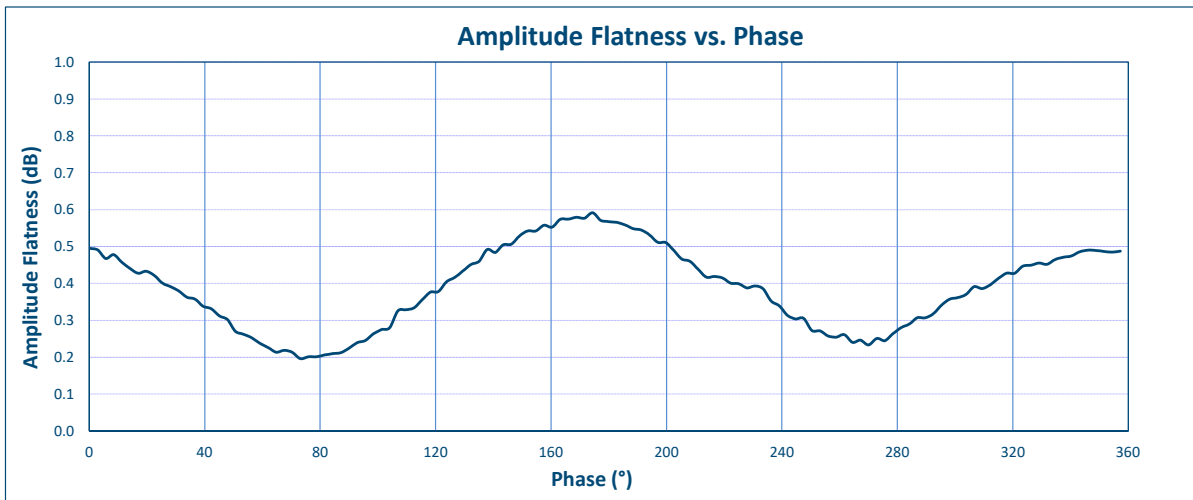
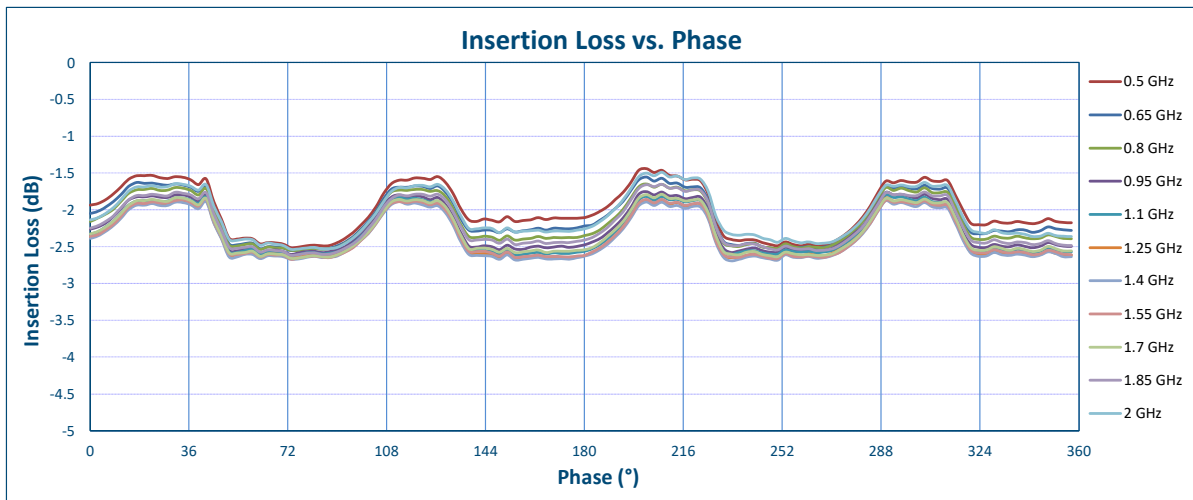
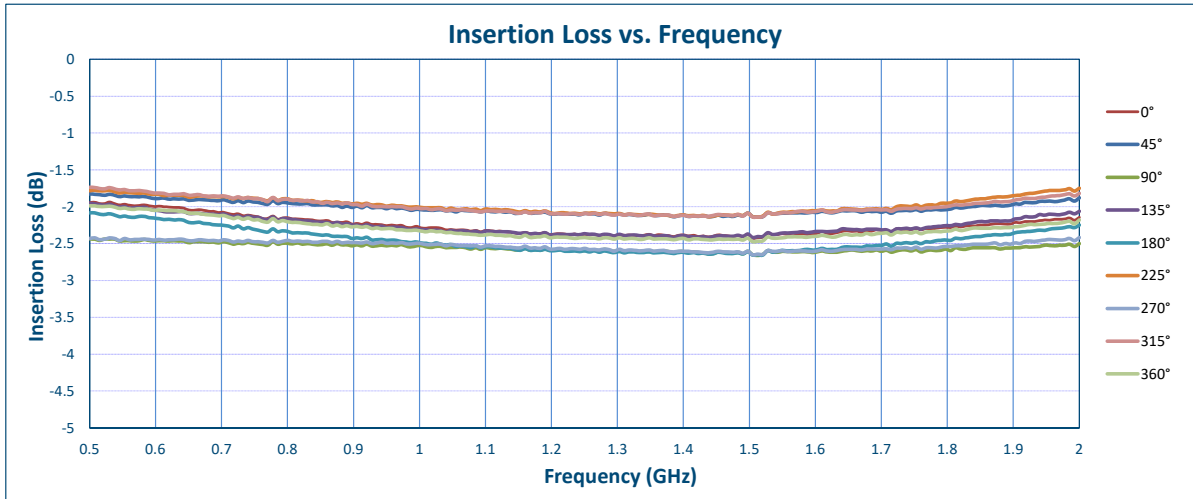
Test Item No.	Parameters	Specified Value	Measured Value	QA QC
1	Frequency Range:	0.5 to 2.0 GHz	0.5 to 2.0 GHz	
2	Control:	10 BIT TTL	10 BIT TTL	
3	Insertion Loss:	13 dB MAX.	2.72 dB See Plot	
4	Phase Shift:	360°	359.67°	
5	Amplitude Error:	±1.0 dB MAX.	±0.53 dB MAX. See Plot	
6	Phase Shift Error:	±5° dB MAX.	±2.08° MAX. See Plot	
7	Switching Speed:	500 ns MAX.	See Typical Characteristics	
8	Spurious:	-60dBc MAX.	See Typical Characteristics	
9	Power Supply:	+15 V @ 250 mA TYP. -15 V @ 20 mA TYP.	+15 V @ 180 mA -15 V @ 20 mA	

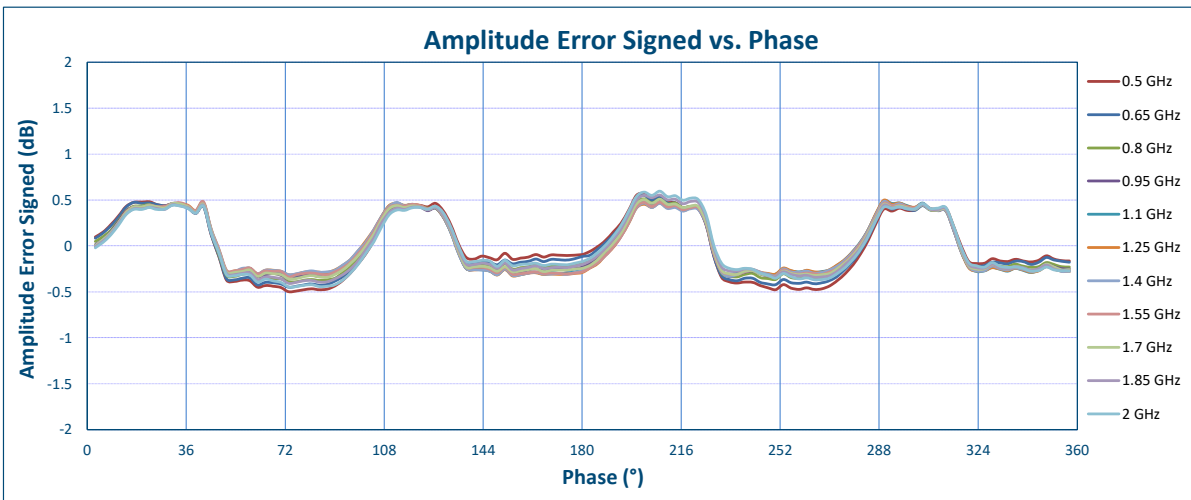
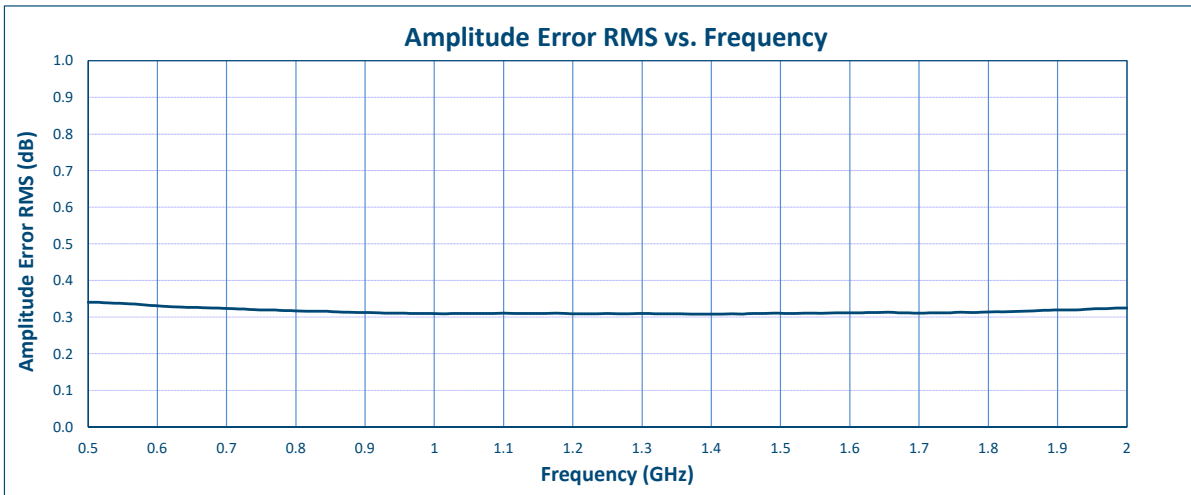
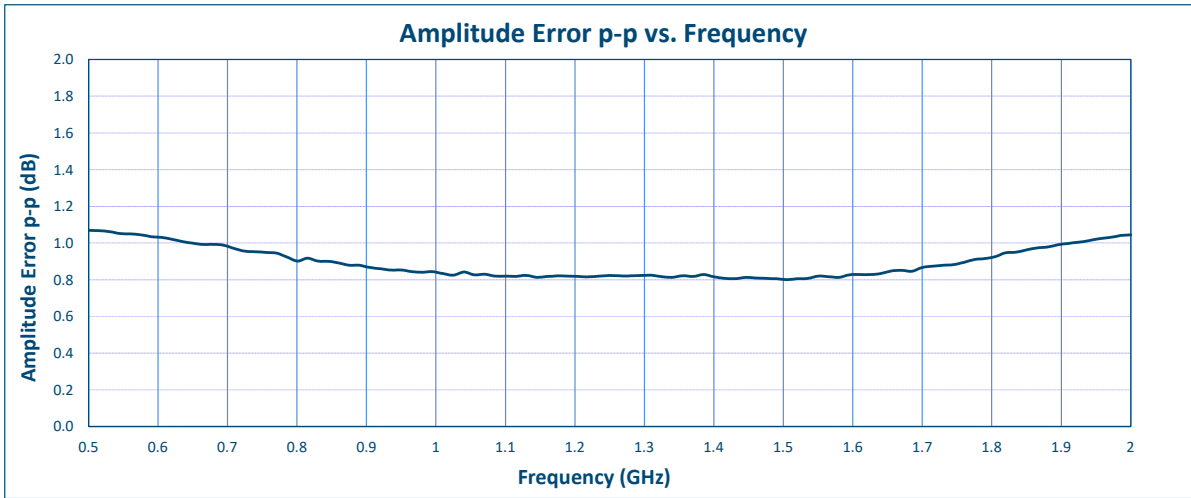
Programed Phase Shift	Average Phase Shift	Average Signed Phase Error	Flatness
DEG	DEG	DEG	DEG
0.35	0.25	0.10	0.04
0.70	0.50	0.20	0.03
1.41	1.14	0.27	0.04
2.81	2.67	0.14	0.07
5.63	5.40	0.23	0.12
11.25	11.12	0.13	0.22
22.50	22.02	0.48	0.36
45.00	44.36	0.64	0.61
90.00	89.38	0.62	0.22
180.00	179.50	0.50	0.44

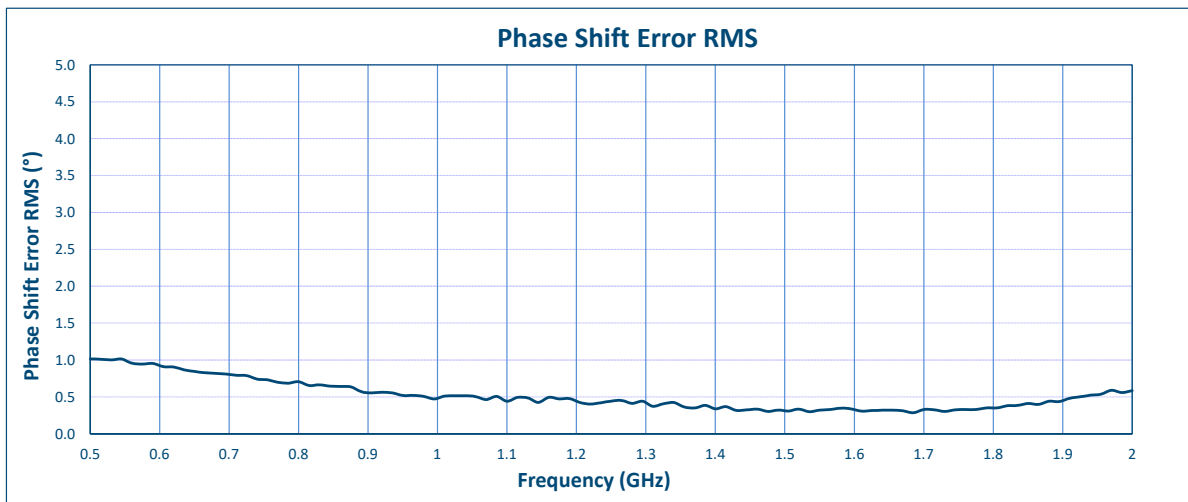
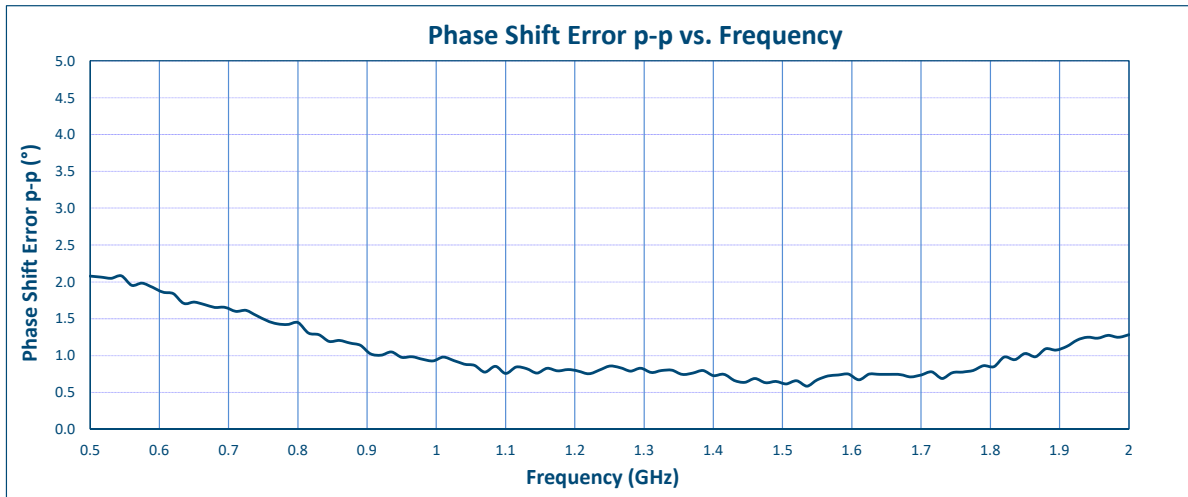
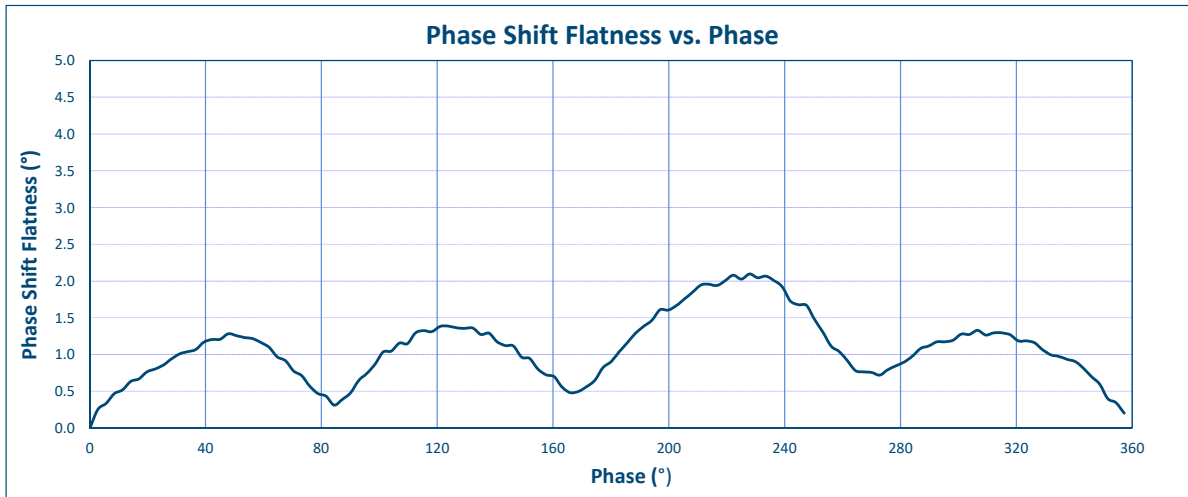
Programed Phase Shift	Average Phase Shift	Average Signed Phase Error	Flatness
DEG	DEG	DEG	DEG
33.75	33.13	0.62	1.04
67.50	66.80	0.70	0.92
101.25	100.92	0.33	1.03
135.00	134.86	0.14	1.27
168.75	168.29	0.46	0.50
202.50	201.89	0.61	1.66
236.25	235.59	0.66	2.01
270.00	269.72	0.28	0.76
303.75	303.92	-0.17	1.27
337.50	337.47	0.03	0.93

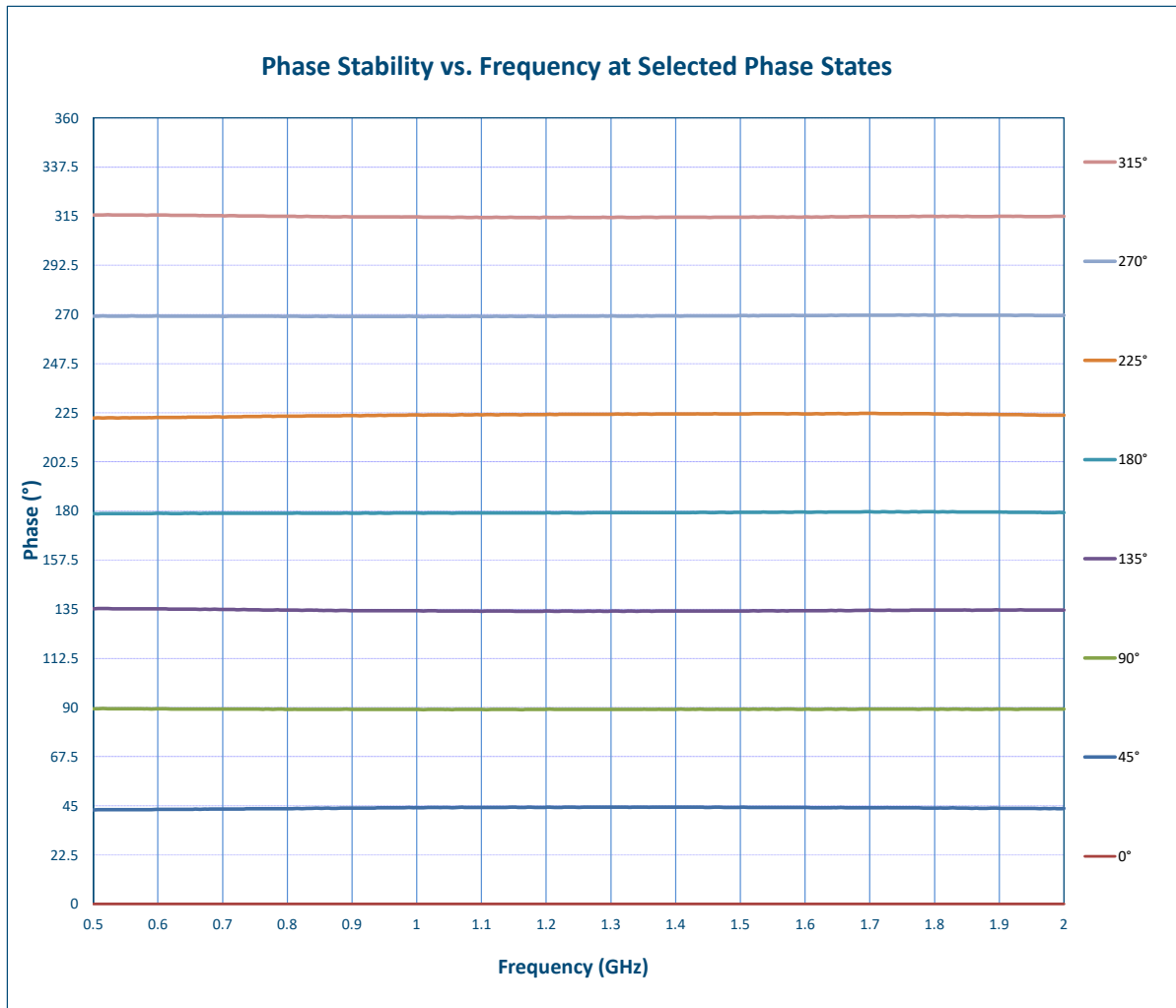
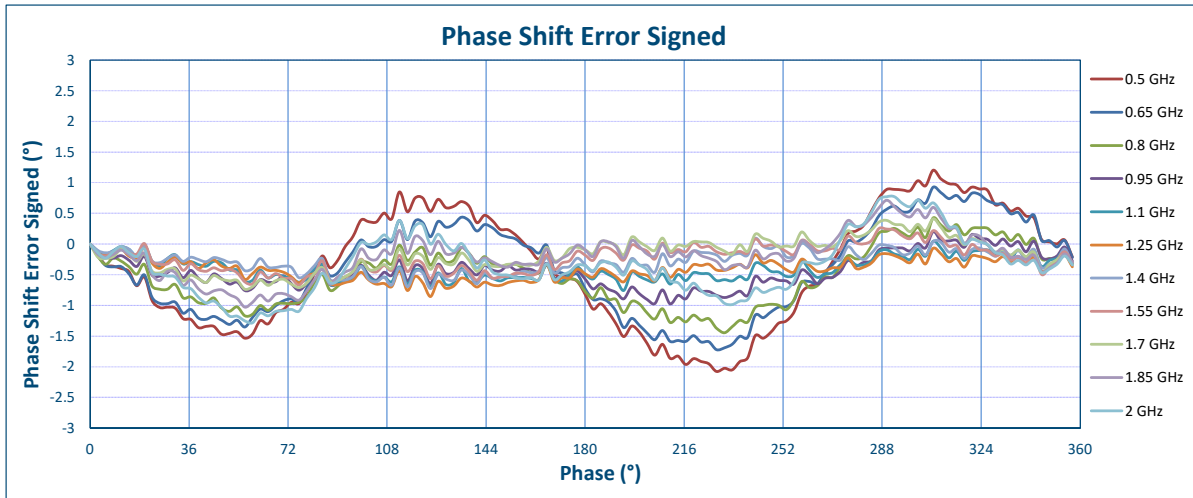
QA/QC Approval: _____

Date: _____

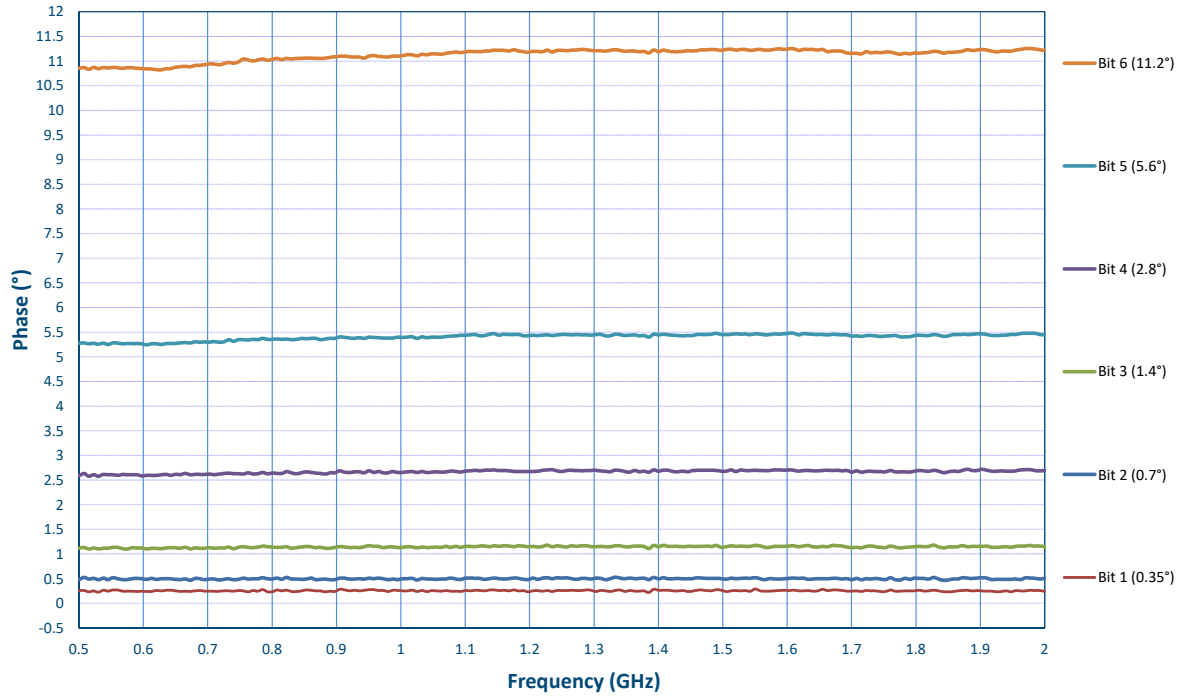








Fine (LSB) Phase Response vs. Frequency



Coarse (MSB) Phase Response vs. Frequency

