



**SUMMARY TEST DATA
ON
PS-85M4G-9B-SFF**

Customer: _____
Job No: _____
Model No: PS-85M4G-9B-SFF
Serial No: PL26448/1936

Tested By: K. Mansfield
Date: Wednesday, September 04, 2019
Temp: 25°C
Drawing No: 27629014 Rev: B1

Data Taken at -10 dBm Input Power

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range	85 MHz TO 4 GHz	85MHz TO 4 GHz	PMI QA 1
2	Insertion Loss	13 dB Maximum	8.1 dB See Plot	
3	VSWR	1.75:1 Typical	1.67 :1 See Plot	
4	Phase Shift	360° Typical	360 °	
5	Amplitude Error	±1.0 dB Typical	±1.45 dB See Plot	
6	Phase Shift Error	±10° Typical	+9.5 ° -12.8 ° See Plot	
7	Switching Speed	500 ns Maximum	<300 ns See Typical Characteristics	
8	Power Supply	+15 V @ 250 mA Typical -15 V @ 20 mA Typical	235 mA 47 mA	PMI QA 1

Programed Phase Shift	Phase Shift	Accuracy of Phase Shift	Flatness
DEG	DEG	DEG	±DEG
0.70	0.60	0.10	0.17
1.41	1.45	-0.04	0.15
2.81	2.90	-0.09	0.28
5.63	5.77	-0.15	0.57
11.25	10.80	0.45	1.09
22.50	21.68	0.82	2.35
45.00	44.21	0.79	5.29
90.00	88.10	1.90	10.69
180.00	180.22	-0.22	5.52
359.30	359.18	0.12	0.29

Programed Phase Shift	Phase Shift	Accuracy of Phase Shift	Flatness
DEG	DEG	DEG	±DEG
33.75	33.09	0.66	3.76
67.50	66.28	1.22	8.44
101.25	99.71	1.54	11.08
135.00	134.22	0.78	7.51
168.75	168.92	-0.17	4.81
202.50	202.79	-0.29	6.44
236.25	236.14	0.11	7.32
270.00	269.95	0.05	6.21
303.75	303.68	0.07	4.46
337.50	337.67	-0.17	1.97

QA/QC Approval: _____

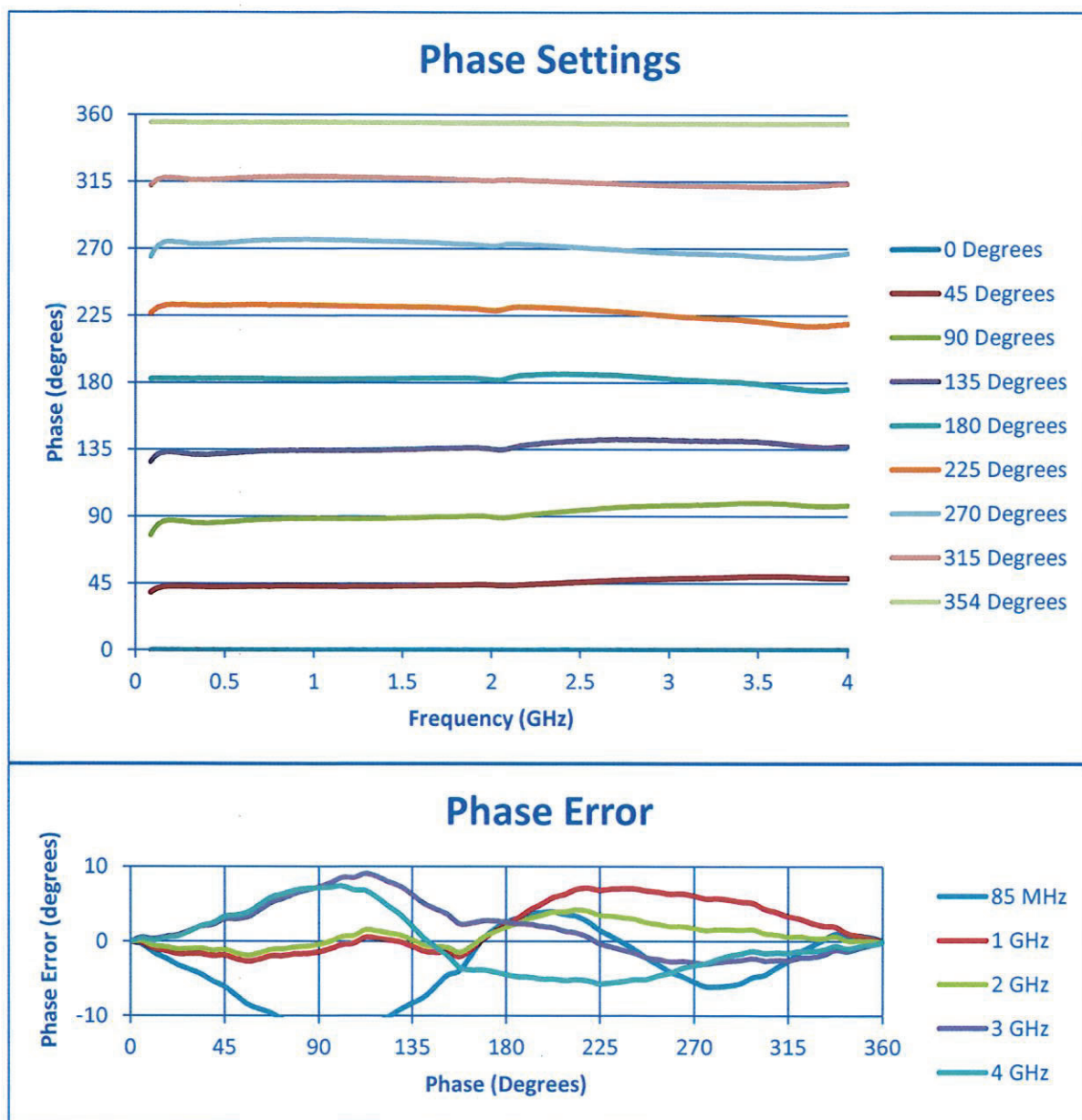
PMI
QA 1

Date: _____

7/5/19

PHASE PLOT ON PS-85M4G-9B-SFF

Serial No: PL26448/1936



INSERTION LOSS PLOT ON PS-85M4G-9B-SFF

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