



TEST DATA ON PSDM-25R5G27G-360

Customer: _____
SO No: _____
Model No: PSDM-25R5G27G-360
Serial No: PL62011/2635

Tested By: D. Hoschar
Date: Thursday, August 20, 2026
Temp: +25°C
Drawing No: 27654620 Rev: A1

Data Taken at 0 dBm Input Power - Unless otherwise specified

Test Item No.	Parameters	Specified Value	Measured Value	QA/QC
1	Frequency Range:	25.5 GHz to 27 GHz	25.5 GHz to 27 GHz	PMI QA6
2	Insertion Loss:	12 dB Max.	9.5 dB See Plot	
3	VSWR:	2.2:1 Max.	2.08:1	
4	Phase Control Range:	360°	364.49°	
5	Phase LSB Step:	1.4°	1.6°	
6	Phase Flatness:	±10° Max.	±5.48° See Plot	
7	DC Supply:	+12V to +15V @ 100 mA Max.	+12 to +15V @ 35 mA	
8	Amplitude Variation VS. Power:	±3 dB Max. (-10 to +5 dBm)	±0.49 dB	
9	Phase Variation VS. Power:	±10° Typ., ±20° Max. (-10 to +5 dBm)	± 13.6°	PMI QA6

* FOR ALL OTHER SPECIFICATIONS SEE TYPICAL CHARACTERISTICS ON THE PMI WEBSITE

Programmed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
1.40625	1.59	-0.18	0.13
2.8125	3.10	-0.29	0.23
5.625	6.10	-0.47	0.43
11.25	12.20	-0.95	0.83
22.50	23.80	-1.30	1.18
45.00	46.15	-1.15	1.03
90.00	91.61	-1.61	2.18
180.00	181.63	-1.63	3.04

Programmed Phase Shift	Phase Shift	Accuracy	Flatness
DEG	DEG	DEG	±DEG
33.75	35.04	-1.29	1.19
67.50	67.64	-0.14	1.00
101.25	102.74	-1.49	2.63
135.00	136.61	-1.61	3.32
168.75	170.31	-1.56	3.14
202.50	204.30	-1.80	2.86
236.25	238.21	-1.96	2.98
270.00	273.37	-3.37	3.93
303.75	308.88	-5.13	5.15
337.50	343.16	-5.66	5.18
358.59	364.49	-5.90	5.480

QA/QC Approval:

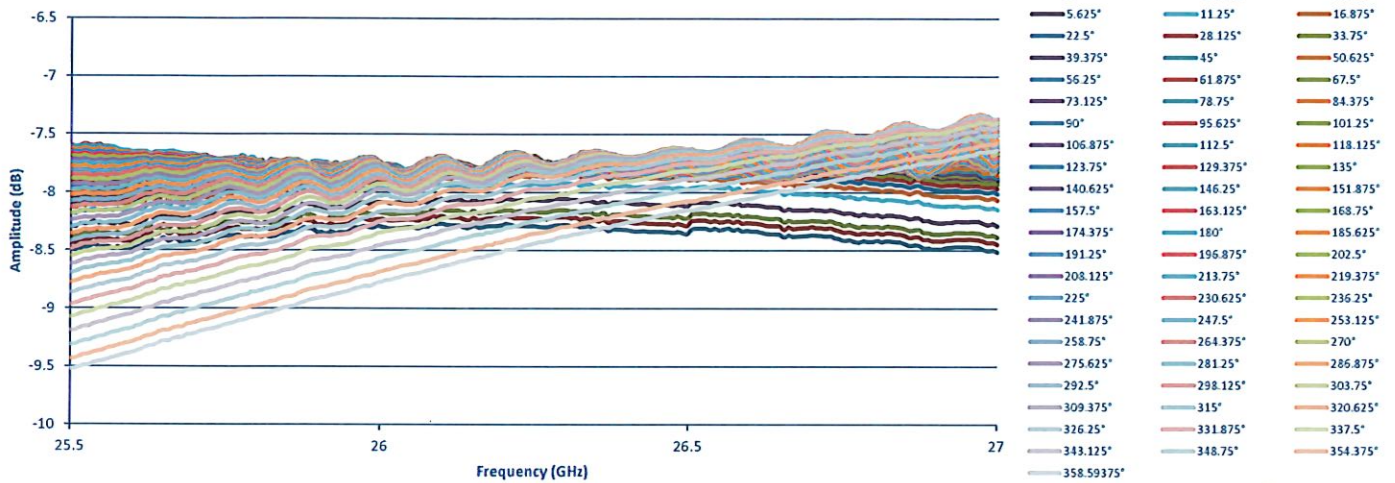
Anthony Karoly

PMI
QA6

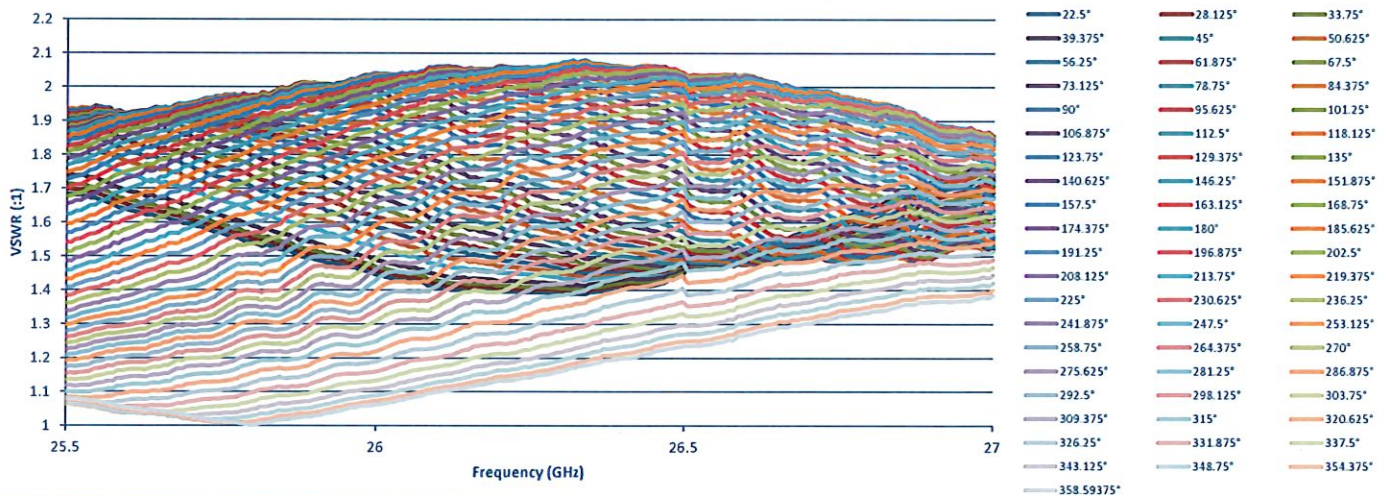
Date:

8/25/26

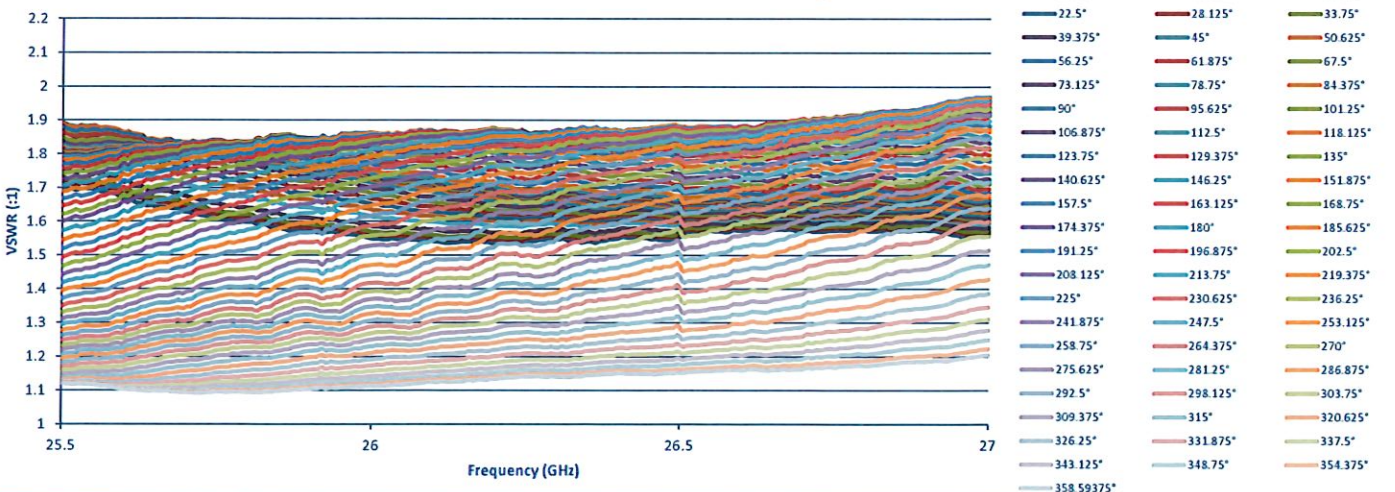
Insertion Loss at Phase Settings



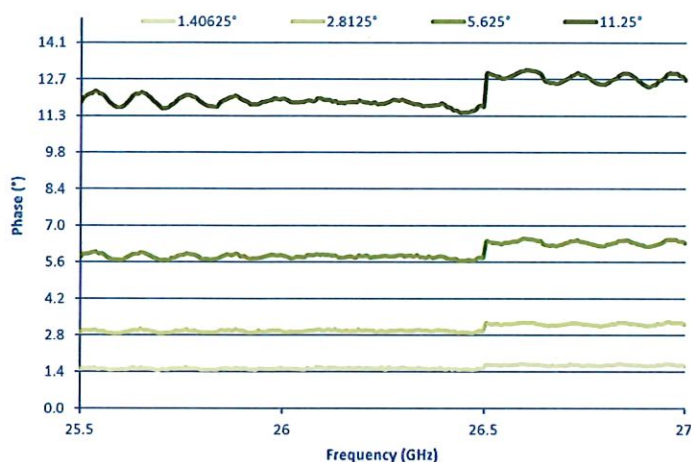
J1 VSWR at Phase Settings



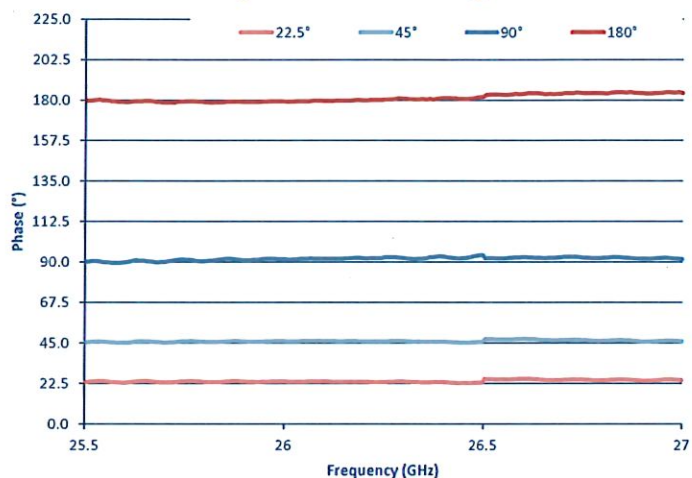
J2 VSWR at Phase Settings



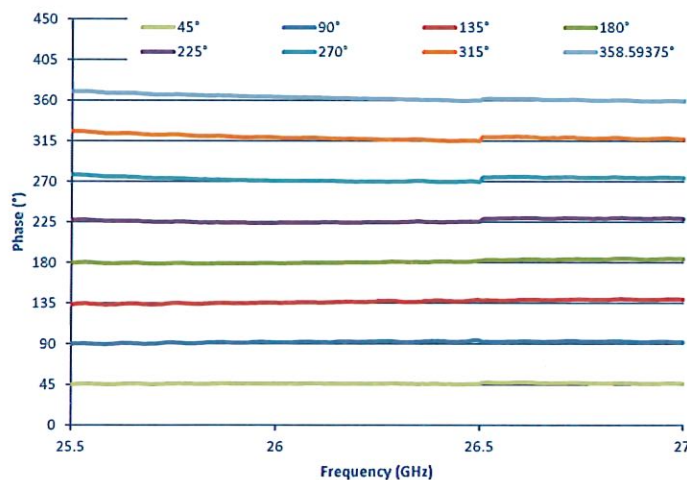
Small BIT Phase Settings



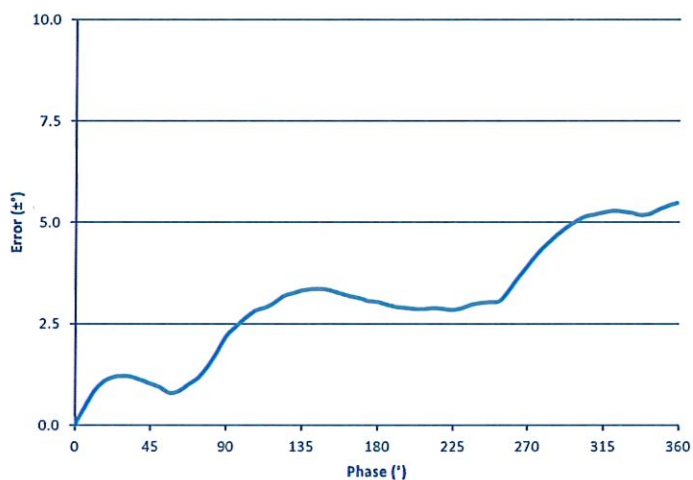
Large BIT Phase Settings



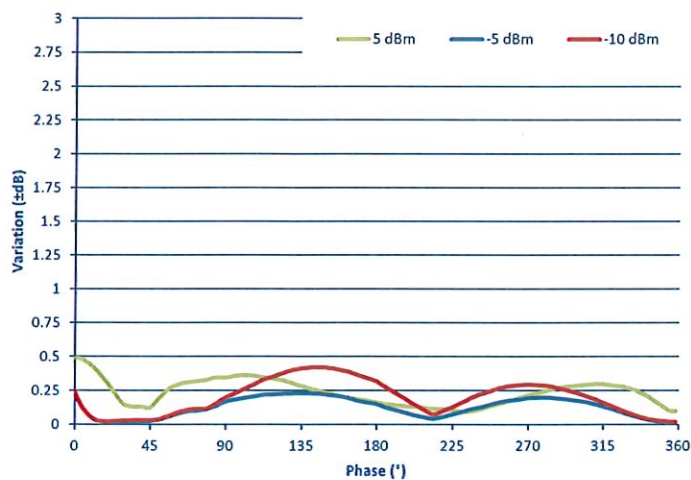
Phase Settings



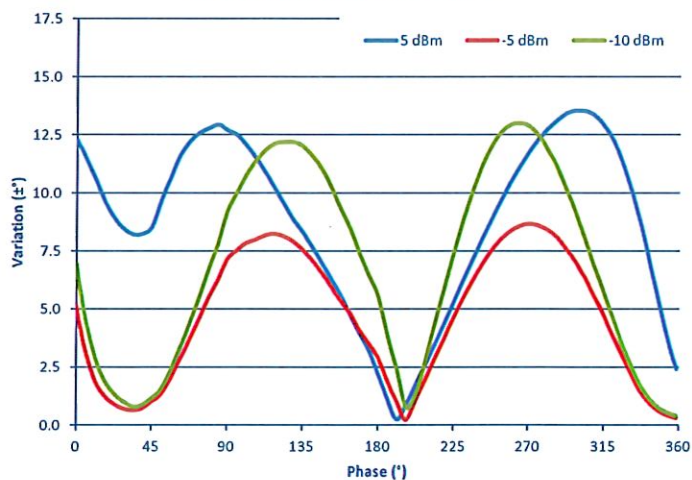
Phase Flatness



Amplitude Variation vs. Power*



Phase Variation vs. Power*



* Referenced to signal at 0 dBm