



**SUMMARY TEST DATA  
ON  
SDLVA-250M6G-CD-1-12V**

Customer: \_\_\_\_\_ Tested By: Anton L.  
SO No: \_\_\_\_\_ Temperature: +25°C  
Model No: SDLVA-250M6G-CD-1-12V Date: 07/31/24  
Serial No: PL47185/2431 Drawing No: 27636101 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	250 MHz to 6 GHZ	250 MHz to 6 GHZ	PMI QA3
2	Pulse Range:	30 ns to CW	30 ns to CW	
3	Input Power:	+17 dBm CW Max.	+17 dBm CW Max.	
4	Flatness:	± 2.0 dB Max.	±1.5 dB	
5	Log Linearity	± 2.5 dB Max.	±1.13 dB (See Plot)	
6	Log Range:	-70 to 0 dBm	-70 to 0 dBm	
7	Log Slope	25mV/dB Typ. (±5%) 50 Ω Load	25.3 mV/dB (See Plot)	
8	VSWR:	2.0:1 Max.	1.77:1 (See Plot)	
9	RF Gain:	55 dB Typ.	59.1 dB	
10	RF Limiting:	>+5 dBm for -45 to 0 dBm Input Power	> +8.72 dBm (See Plot)	
11	Rise Time:	10 ns Max.	7.3 ns	
12	Recovery Time:	60 ns Max.	26.3 ns	
13	TSS:	-73 dBm Typ.	-74.5 dBm (See Plot)	
14	DC Supply:	+12VDC @ 350 mA -12VDC @ 180 mA	270 mA 100 mA	

QA/QC Approval: K. [Signature]

Date: 7-31-24



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**LOG SLOPE / LINEARITY PLOTS**

**Frequency**

<b>0.25 GHz</b>	INTERCEPT (mV)	<b>2139</b>
	SLOPE (mV/dB)	<b>26</b>

<b>3.13 GHz</b>	INTERCEPT (mV)	<b>2107</b>
	SLOPE (mV/dB)	<b>24.5</b>

<b>6 GHz</b>	INTERCEPT (mV)	<b>2134</b>
	SLOPE (mV/dB)	<b>25.5</b>

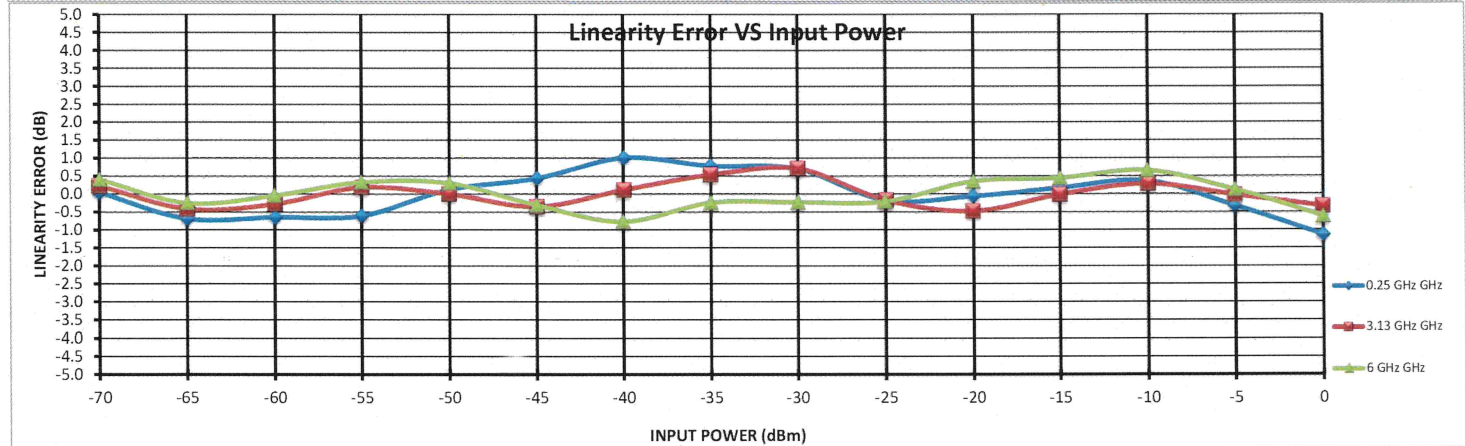
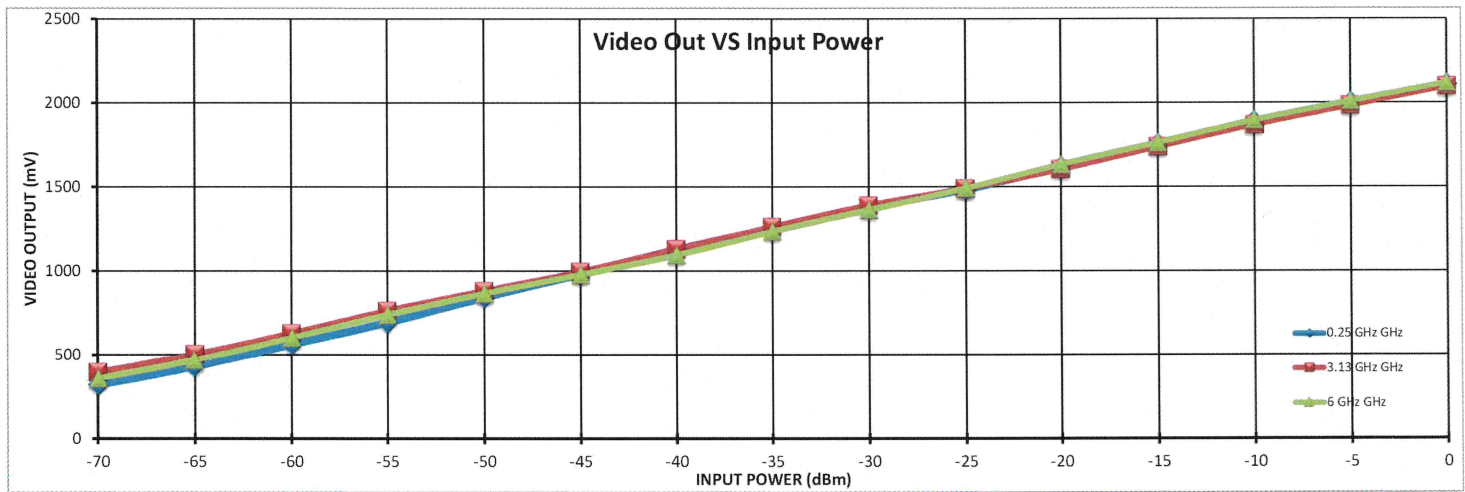
Average Slope : 25.3	
Flatness dB : +/- 1.5	

	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
0.25 GHz	321	432	563	694	843	981	1126	1250	1378	1485	1618	1754	1889	2001	2110
3.13 GHz	1	-18	-17	-16	3	11	26	20	18	-5	-2	4	9	-8	-29
6 GHz	0.04	-0.69	-0.65	-0.61	0.12	0.43	1.01	0.78	0.71	-0.18	-0.06	0.17	0.36	-0.33	-1.13
0.25 GHz	396	503	629	763	881	995	1129	1262	1389	1490	1605	1739	1869	1984	2099
3.13 GHz	5	-10	-7	5	0	-9	3	13	18	-4	-12	0	7	-1	-8
6 GHz	0.22	-0.41	-0.28	0.19	0.00	-0.35	0.11	0.54	0.71	-0.17	-0.48	-0.01	0.29	-0.02	-0.33
0.25 GHz	358	469	602	739	866	978	1094	1235	1363	1491	1633	1763	1896	2010	2119
3.13 GHz	10	-6	-1	8	8	-8	-19	-6	-6	-5	9	11	17	3	-15
6 GHz	0.40	-0.25	-0.04	0.33	0.31	-0.31	-0.76	-0.24	-0.22	-0.21	0.35	0.45	0.66	0.12	-0.60
Average Slope	1.5	1.4	1.3	1.4	0.8	0.3	0.7	0.6	0.5	0.1	0.6	0.5	0.6	0.5	0.4

RF Input Power (dBm)
Measured Value (mV)
Error (mV)
1.13

Measured Value (mV)
Error (mV)
0.71

Measured Value (mV)
Error (mV)
0.76

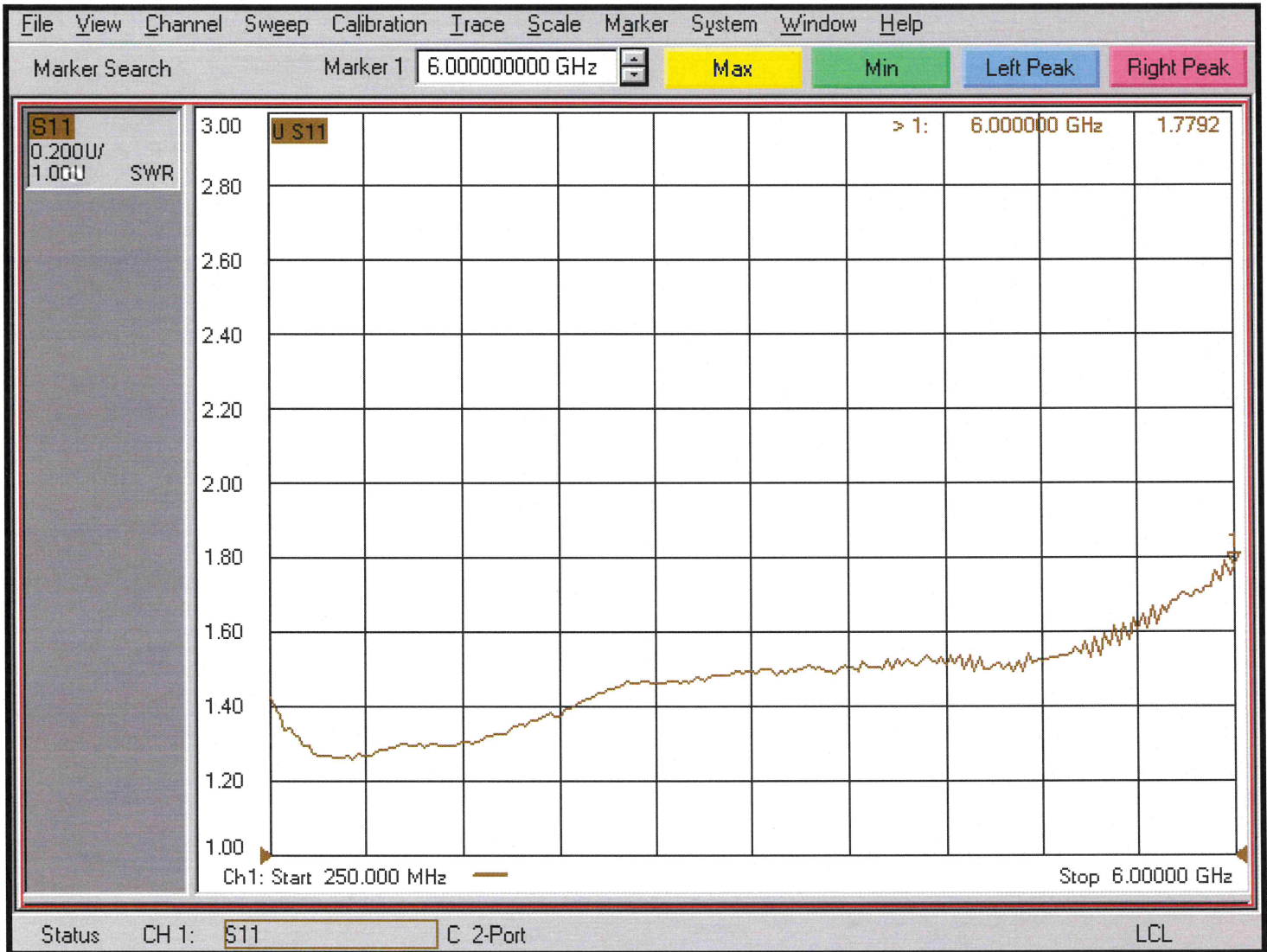


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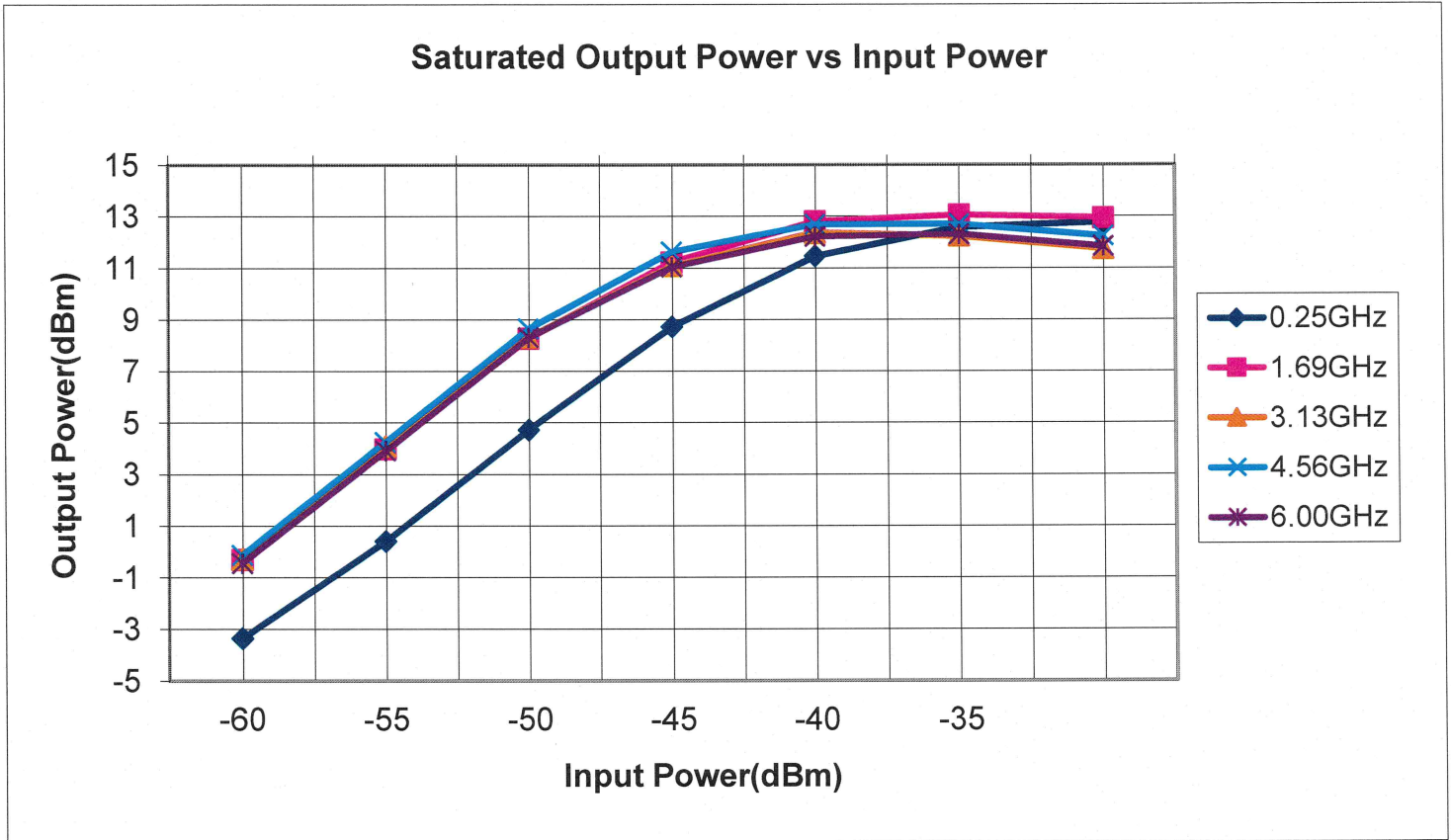
**VSWR PLOT**





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**RF LIMITING PLOT**





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**TSS PLOT**

MSO-X 3054A, MY53400180: Fri Jul 26 11:48:36 2024

