



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

Customer: _____ Tested By: Anton L.
 SO _____ Temperature: +25°C
 Model No: SDLVA-250M6G-CD-1-12V Date: 07/31/24
 Serial No: PL47186/2431 Drawing No: 27636101 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC PMI
1	Frequency Range:	250 MHz to 6 GHZ	250 MHz to 6 GHZ	QA QC 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.	±1.6 dB	
5	Log Linearity	± 2.5 dB Max.	±1.43 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.	1.79:1 (See Plot)	
9	RF Gain:	55 dB Typ.	59.8 dB	
10	RF Limiting:	>+5 dBm for -45 to 0 dBm Input Power	> +9.54 dBm (See Plot)	
11	Rise Time:	10 ns Max.	7.0 ns	
12	Recovery Time:	60 ns Max.	24.3 ns	
13	TSS:	-73 dBm Typ.	-75 dBm (See Plot)	
14	DC Supply:	+12VDC @ 350 mA -12VDC @ 180 mA	270 mA 100 mA	

QA/QC Approval: *K. Luter* Date: 7-31-24



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LOG SLOPE / LINEARITY PLOTS

Frequency

0.25 GHz	INTERCEPT (mV)	2159
	SLOPE (mV/dB)	25.9

3.13 GHz	INTERCEPT (mV)	2123
	SLOPE (mV/dB)	24.4

6 GHz	INTERCEPT (mV)	2149
	SLOPE (mV/dB)	25.4

Average Slope : 25.3
Flatness dB : +/- 1.6

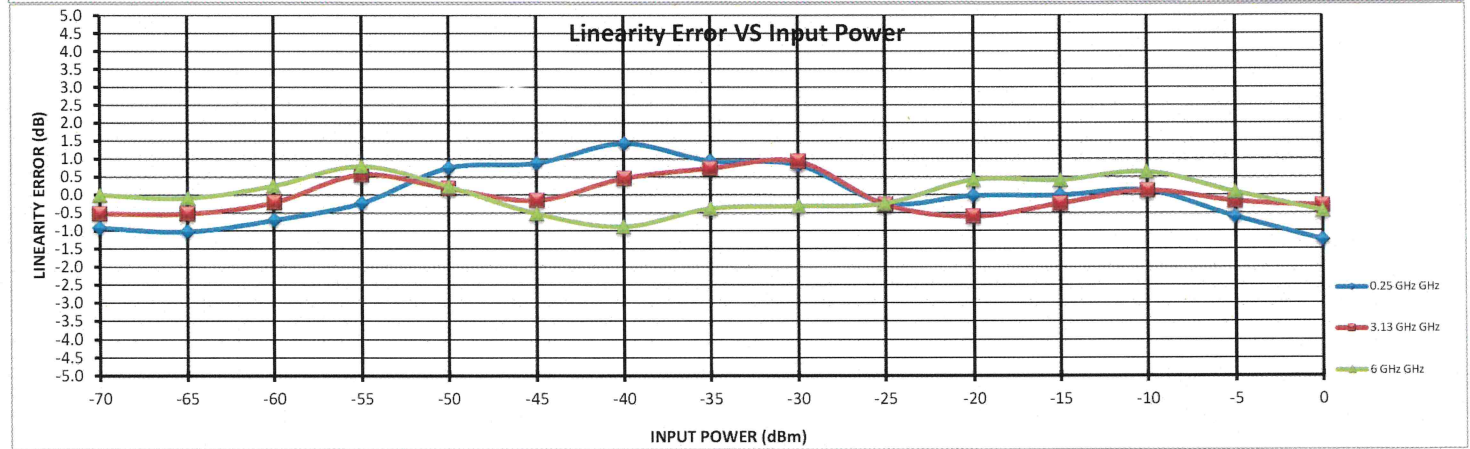
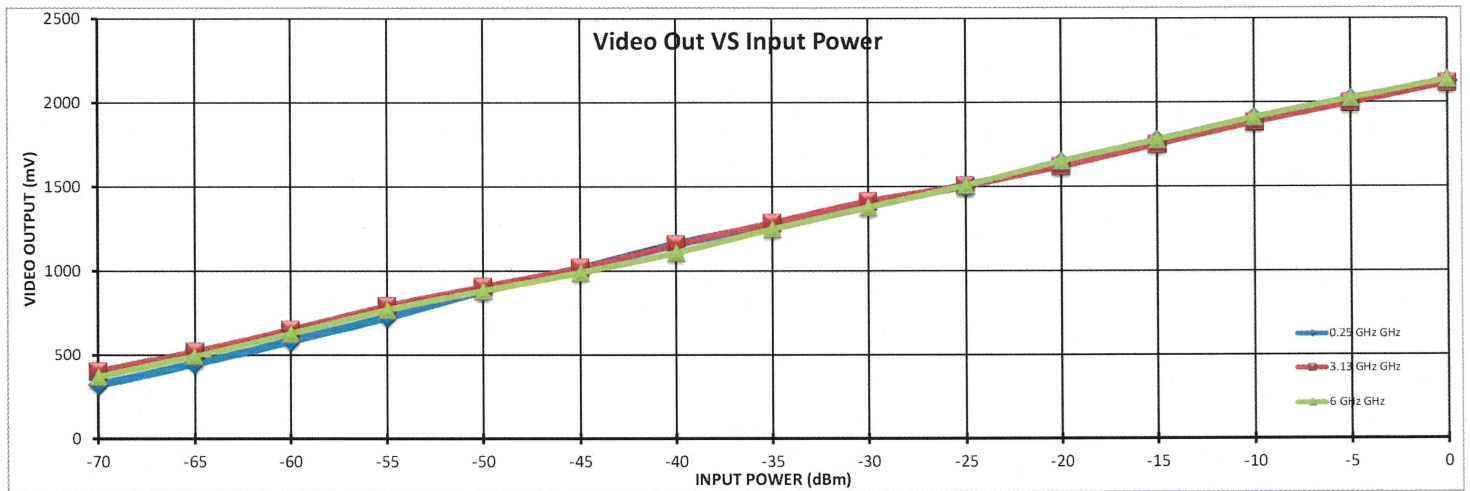
	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
320	447	585	727	882	1015	1159	1276	1403	1505	1640	1770	1903	2014	2127	
-24	-26	-18	-6	20	23	37	24	22	-6	-1	0	3	-16	-32	
-0.92	-1.02	-0.70	-0.22	0.75	0.88	1.43	0.94	0.84	-0.23	-0.02	-0.01	0.12	-0.60	-1.25	
400	522	652	793	906	1020	1157	1286	1413	1506	1620	1751	1882	1997	2116	
-13	-13	-5	14	5	-4	11	18	23	-6	-15	-6	3	-4	-7	
-0.52	-0.53	-0.21	0.56	0.18	-0.15	0.46	0.73	0.93	-0.26	-0.60	-0.24	0.12	-0.17	-0.30	
368	493	629	770	883	991	1109	1249	1378	1507	1651	1778	1911	2024	2138	
0	-2	7	20	6	-13	-22	-10	-8	-6	11	10	16	2	-11	
0.00	-0.09	0.26	0.80	0.24	-0.52	-0.88	-0.38	-0.31	-0.24	0.42	0.41	0.64	0.08	-0.44	
	1.6	1.5	1.4	1.4	0.5	0.6	1	0.8	0.7	0	0.6	0.6	0.6	0.6	0.5

RF Input Power (dBm)

Measured Value (mV)	
Error (mV)	1.43

Measured Value (mV)	
Error (mV)	0.93

Measured Value (mV)	
Error (mV)	0.88

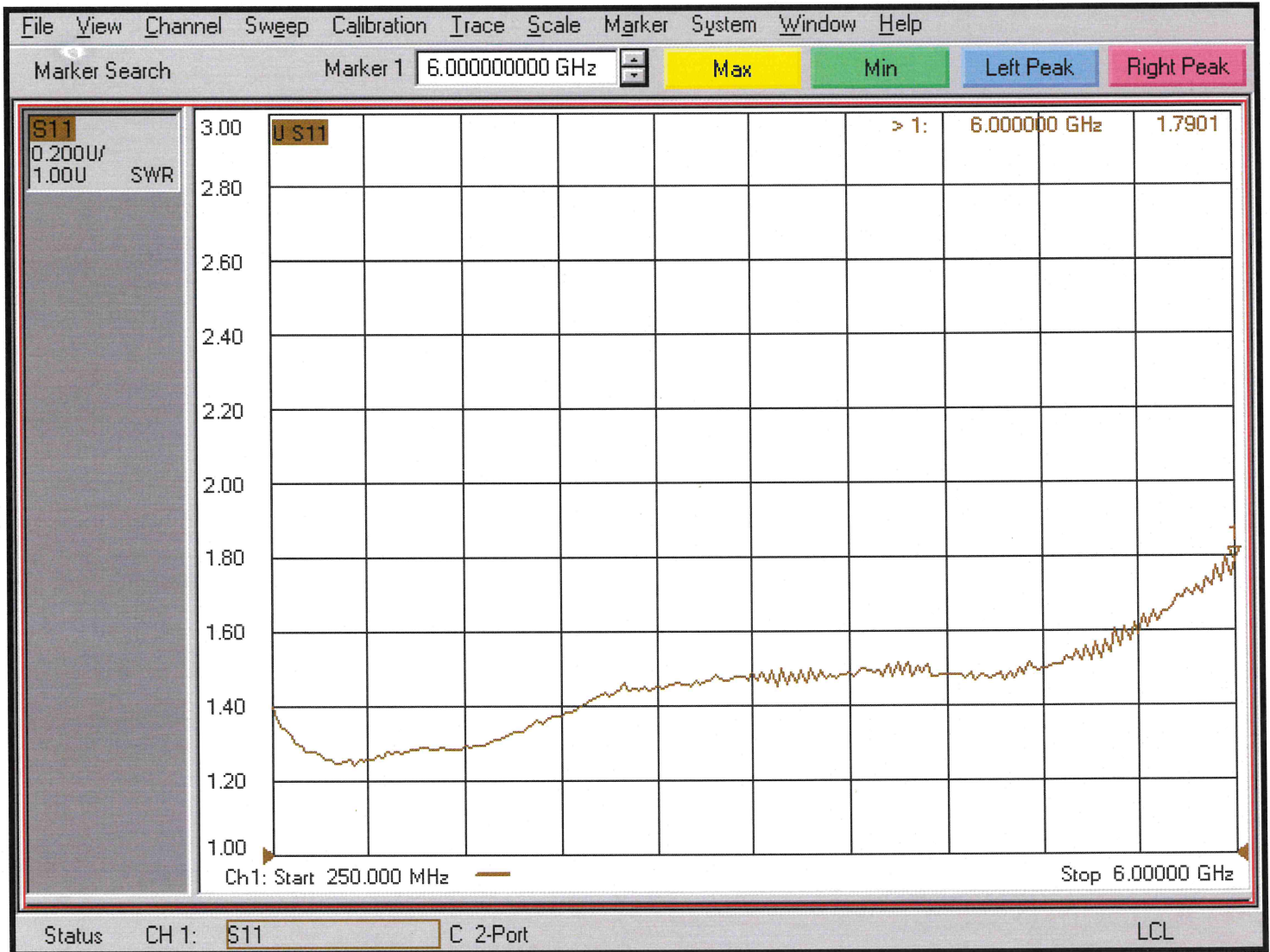


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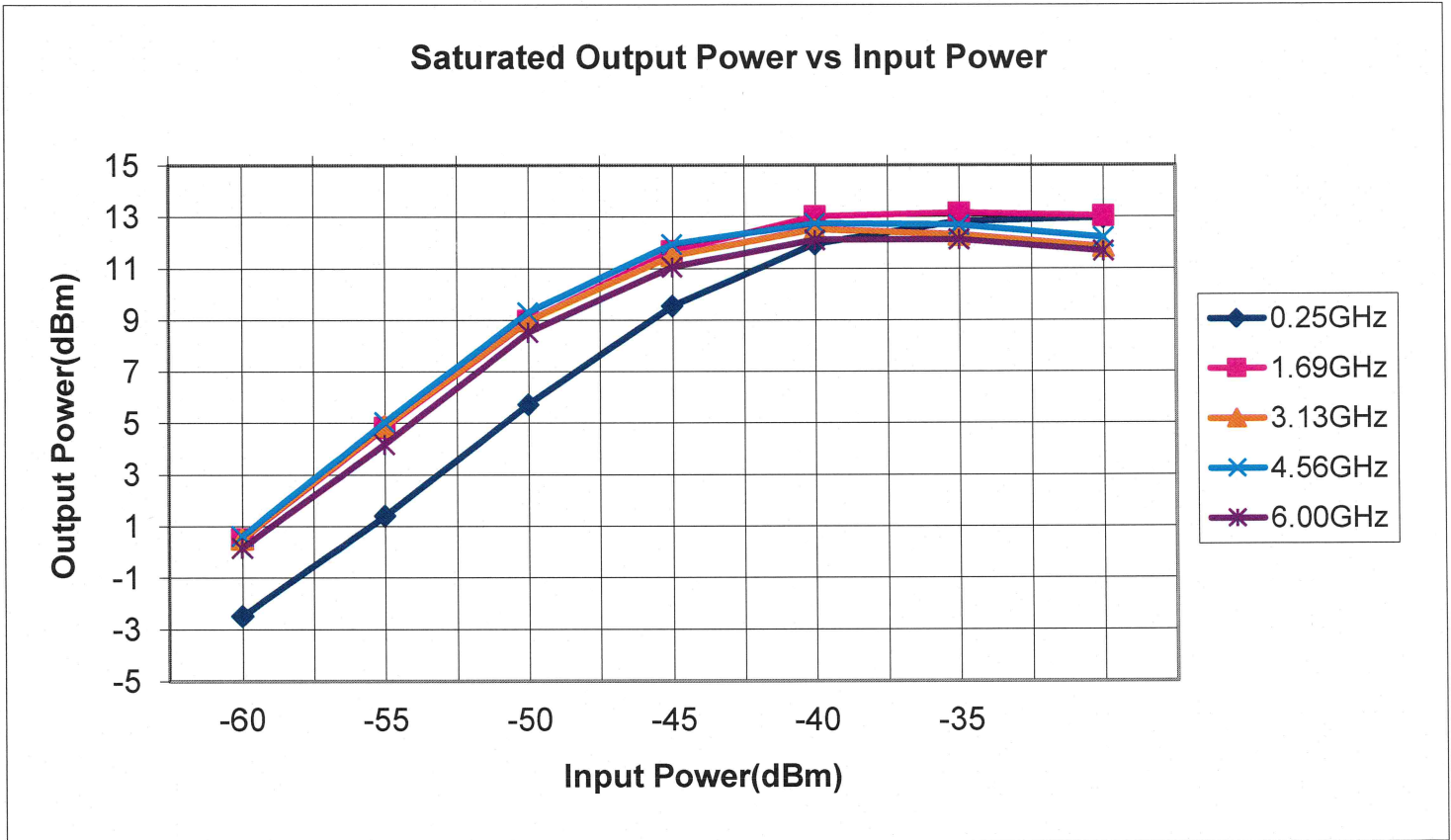
VSWR PLOT





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RF LIMITING PLOT





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TSS PLOT

MSO-X 3054A, MY53400180: Fri Jul 26 11:50:48 2024

