



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

PL44114/2405

Customer: \_\_\_\_\_ Tested By: E.Benson  
SO No: \_\_\_\_\_ Temperature: +25°C  
Model No: SDLVA-250M6G-CD-1 Date: 01/31/2024  
Serial No: PL44114/2405 Drawing No: 27618563 Rev: A5

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	250 MHz to 6 GHZ	250 MHz to 6 GHZ	PMI 013
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.	± 1.4 dB	
5	Log Linearity	± 2.5 dB Max.	± 0.85 dB (See Plot)	
6	Log Range:	-70 to 0 dBm	-70 to 0 dBm	
7	Log Slope	25mV/dB Typ (±5%) 50 Ω Load	26.1 mV/dB (See Plot)	
8	VSWR:	2.0:1 Max.	1.77 :1 (See Plot)	
9	RF Gain:	55 dB Typ.	>55 dB	
10	RF Limiting:	>+5 dBm for -45 to 0 dBm Input Power	PASS	
11	Rise Time:	10 ns Max.	10nS	
12	Recovery Time:	60 ns Max.	26.3nS	
13	TSS:	-73 dBm Typ.	-74.5 dBm	
14	DC Supply:	+15VDC @ 350 mA -15VDC @ 180 mA	+15 VDC @ 273 mA -15 VDC @ 99 mA	

QA/QC Approval: *H. Nutter* Date: 1-31-24



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**LOG SLOPE / LINEARITY PLOTS**

LOG TRANSFER WITH FREQUENCY @ 25 °C  
MODEL: SDLVA-250M6G-CD-1  
TESTED BY: E.Benson  
SERIAL No. : PL44114

Wednesday, January 31, 2024  
11:10 AM



PLANAR MONOLITHICS INDUSTRIES  
4621 Robert J. Mathews Parkway Suite 1  
El Dorado Hills, CA 95762  
Phone 916-542-1401 Fax 301-662-1731  
WEB: WWW.PMI-RF.COM

Frequency

**0.25 GHz** INTERCEPT (mV) **2116**  
SLOPE (mV/dB) **26.1**

	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
289	419	540	667	808	965	1092	1214	1332	1457	1593	1735	1867	1983	2094	
-2	-2	-12	-15	-5	22	19	10	-2	-7	-2	10	11	-3	-22	
-0.08	-0.09	-0.45	-0.58	-0.17	0.85	0.72	0.40	-0.08	-0.28	-0.07	0.38	0.44	-0.11	-0.85	

RF Input Power (dBm)
Measured Value (mV)
Error (mV)
0.85

**3.13 GHz** INTERCEPT (mV) **2080**  
SLOPE (mV/dB) **24.6**

	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
360	479	605	727	829	964	1096	1228	1347	1464	1568	1713	1842	1961	2075	
5	1	4	3	-19	-7	2	11	7	0	-19	3	9	5	-5	
0.21	0.04	0.15	0.10	-0.76	-0.28	0.08	0.44	0.27	0.02	-0.76	0.12	0.36	0.19	-0.18	

RF Input Power (dBm)
Measured Value (mV)
Error (mV)
0.76

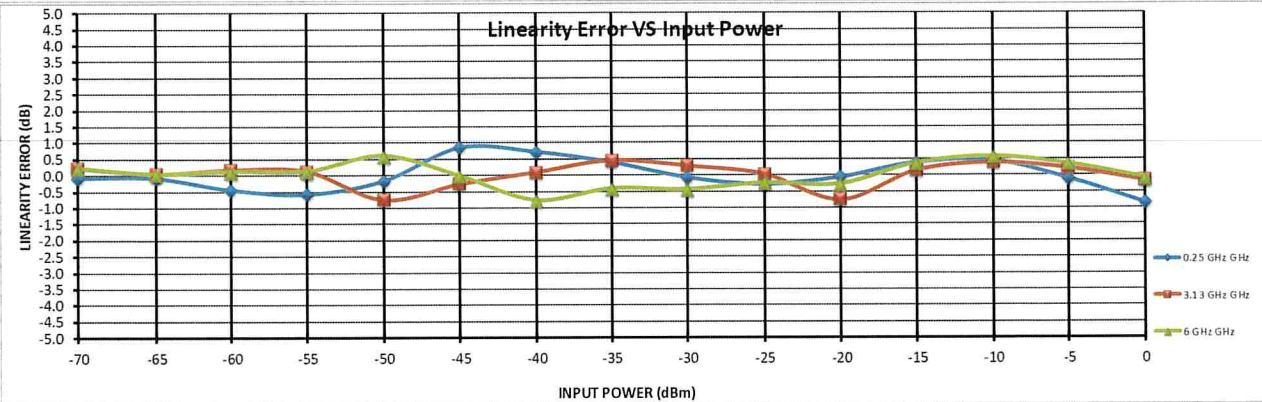
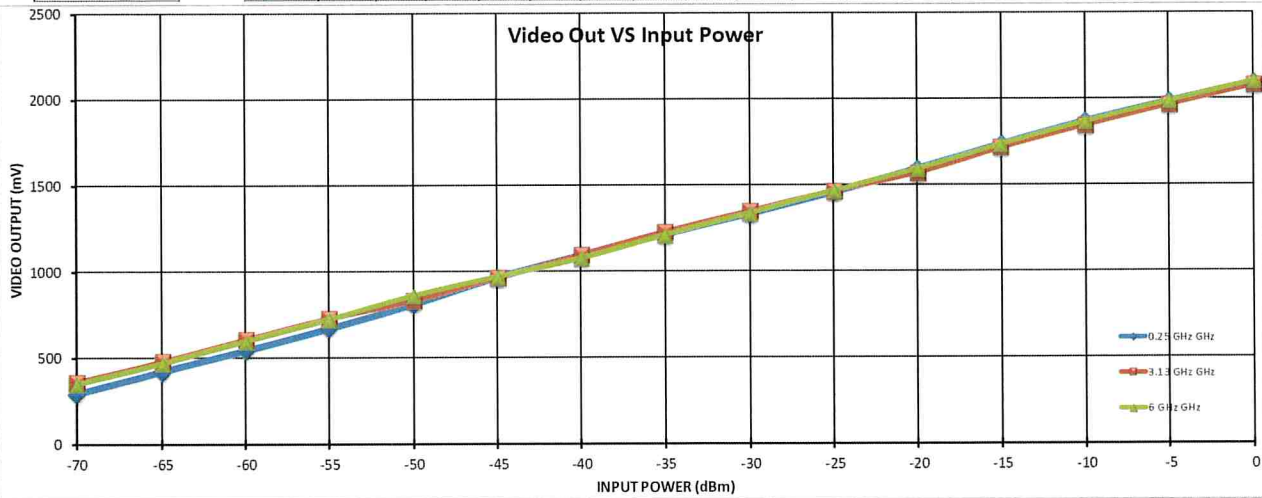
**6 GHz** INTERCEPT (mV) **2102**  
SLOPE (mV/dB) **25.2**

	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
345	466	594	720	858	968	1075	1210	1335	1466	1591	1733	1864	1984	2099	
6	1	3	3	15	-1	-20	-11	-11	-6	-7	9	14	8	-3	
0.22	0.03	0.11	0.12	0.60	-0.03	-0.78	-0.42	-0.45	-0.25	-0.28	0.36	0.56	0.33	-0.10	

RF Input Power (dBm)
Measured Value (mV)
Error (mV)
0.78

Flatness dB

	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
1.4	1.2	1.3	1.2	1	0.1	0.4	0.4	0.3	0.2	0.5	0.4	0.5	0.5	0.5	



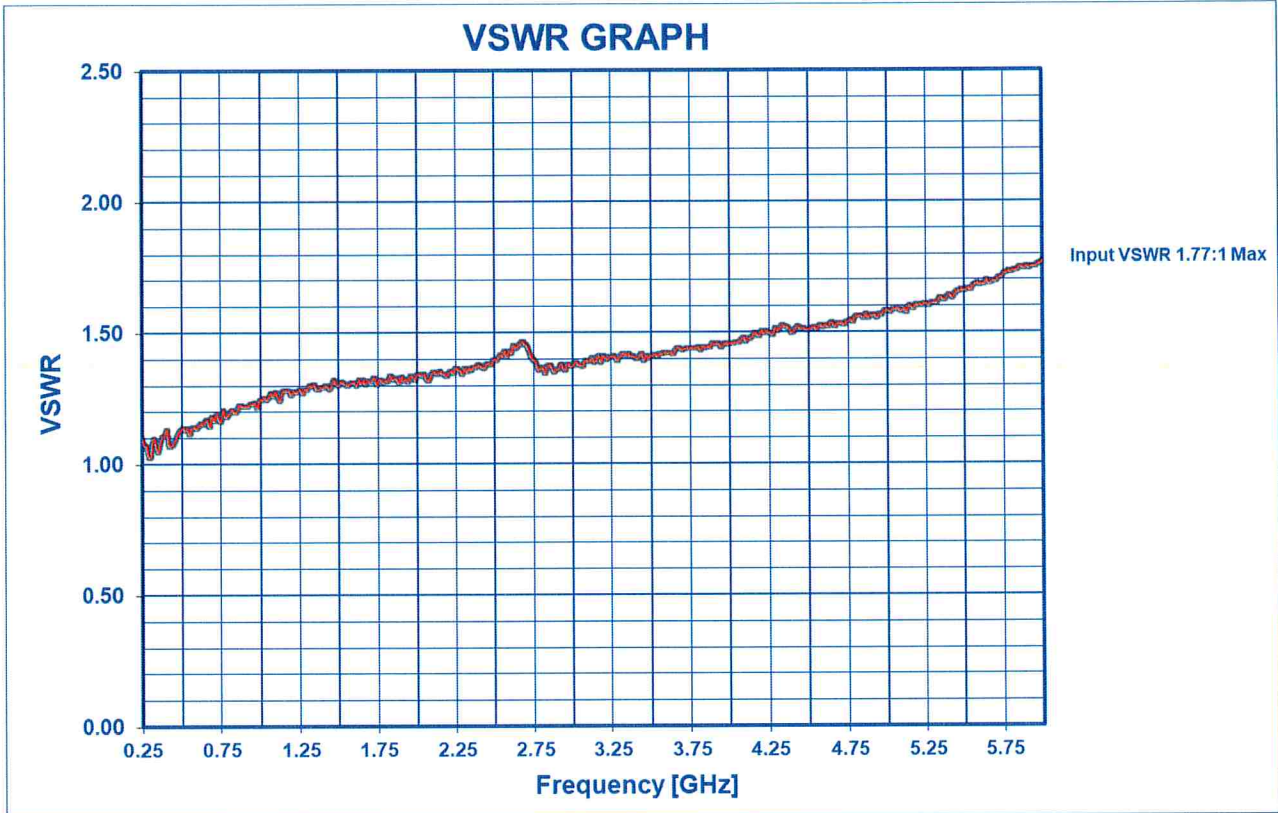
7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
Email: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)



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**VSWR PLOT**



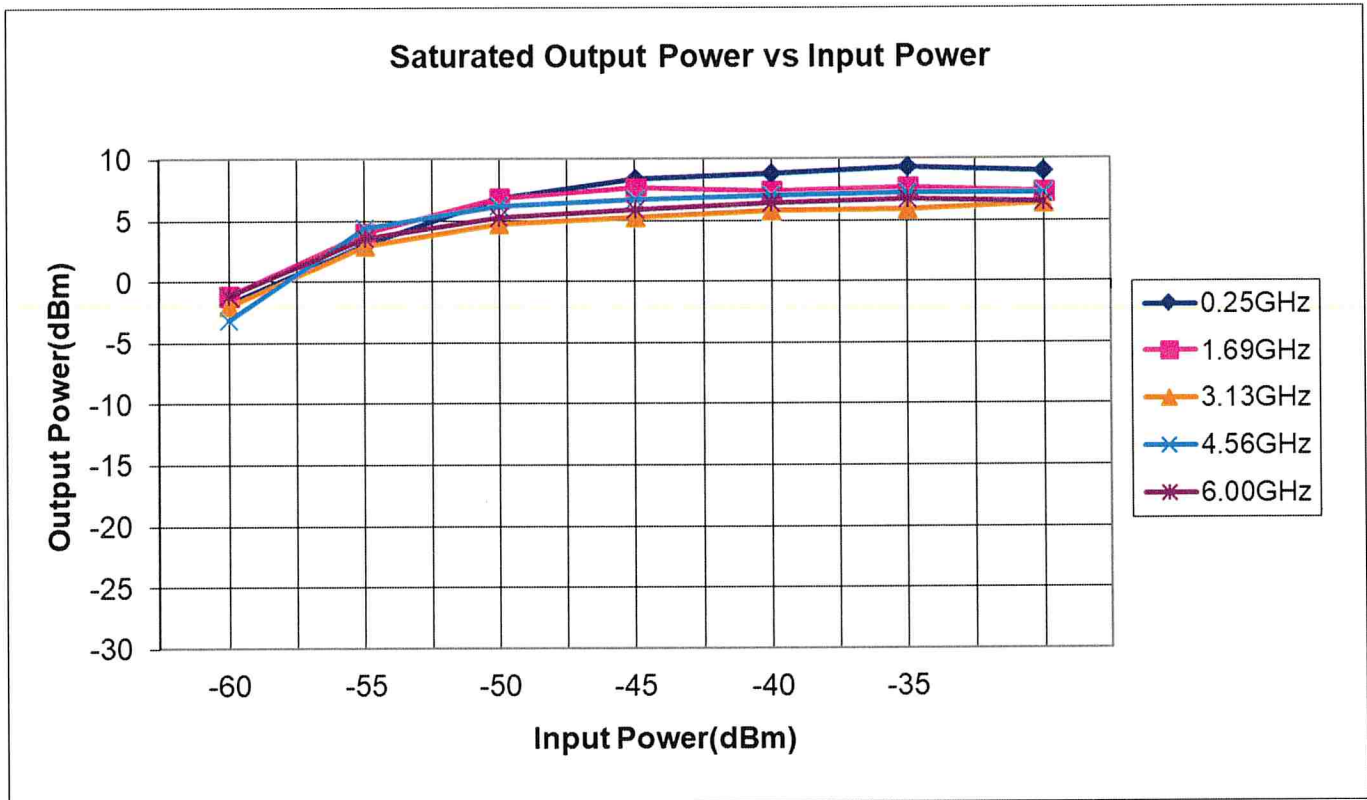




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**RF LIMITING PLOT**



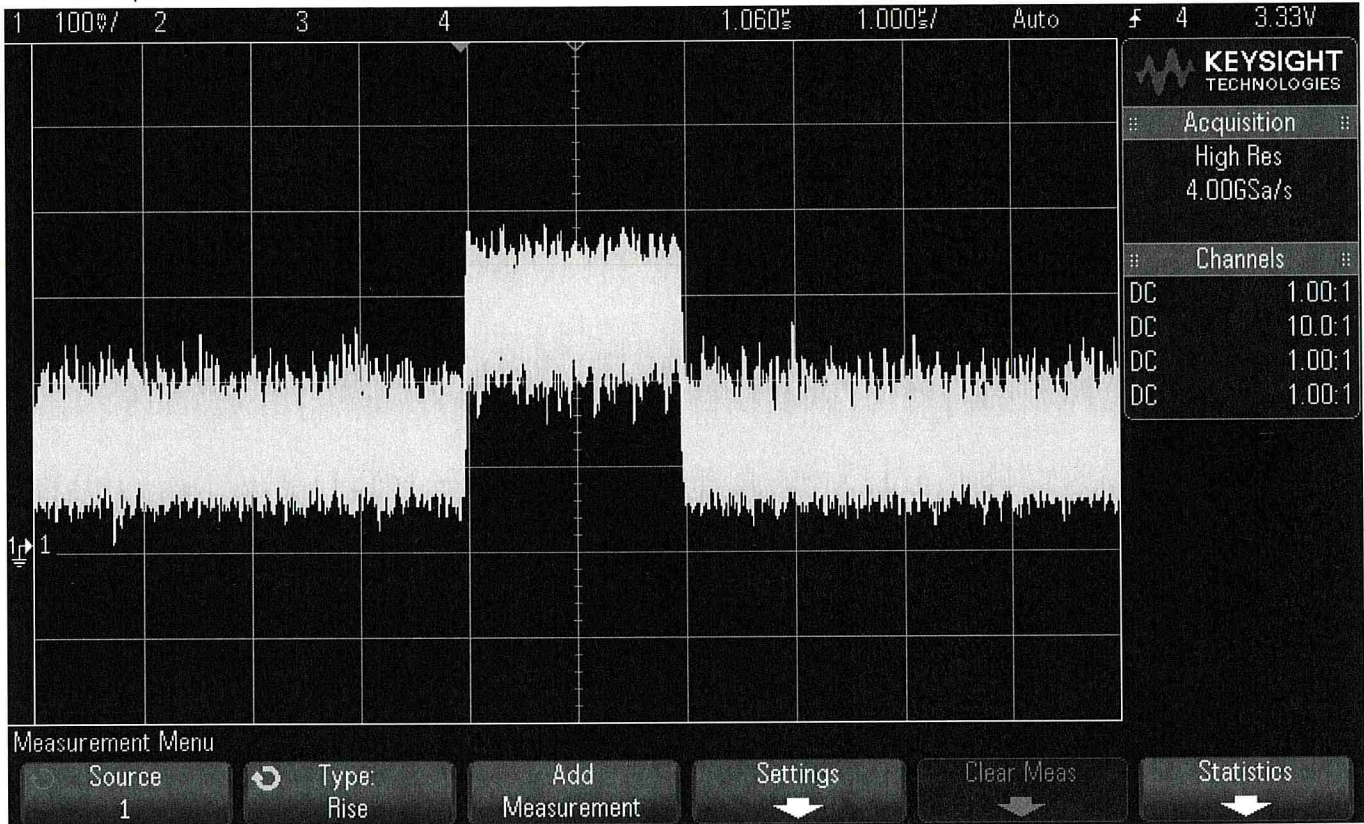


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**TSS PLOT**

MSO-X 3054A, MY53400180: Tue Jan 30 13:52:31 2024



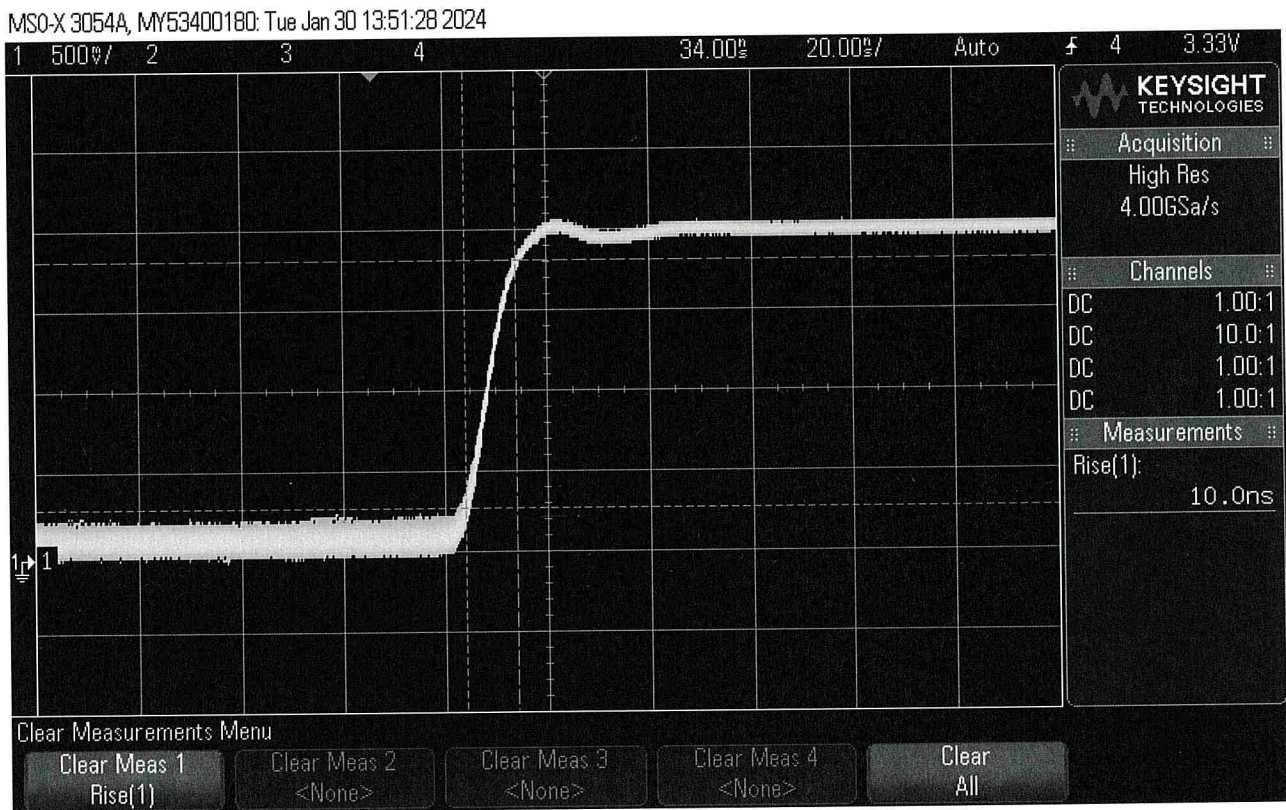
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Email: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)



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**RISE TIME PLOT**







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RECOVERY TIME PLOT

MSO-X 3054A, MY53400180: Tue Jan 30 13:49:03 2024

