



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

**PL31042/2103**

Customer: _____	Tested By: <u>Simon K.</u>
SO No: _____	Temperature: <u>+25°C</u>
Model No: <u>SDLVA-250M6G-CD-1-12V</u>	Date: <u>01/08/20</u>
Serial No: <u>PL31042/2103</u>	Drawing No: <u>27636101</u> Rev: <u>A1</u>

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.	±1.4 dB	
5	Log Linearity	± 2.5 dB Max.	±1.53 dB (See Plot)	
6	Log Range:	-70 to 0 dBm	-70 to 0 dBm	
7	Log Slope	25mV/dB Typ. (±5%) 50 Ω Load	24.3 mV/dB (See Plot)	
8	VSWR:	2.0:1 Max.	1.88 :1 (See Plot)	
9	RF Gain:	55 dB Typ.	56 dB	
10	RF Limiting:	>+5 dBm for -45 to 0 dBm Input Power	12 dBm (See Plot)	
11	Rise Time:	10 ns Max.	4.7 ns	
12	Recovery Time:	60 ns Max.	22 ns	
13	TSS:	-73 dBm Typ.	-74 dBm (See Plot)	
14	DC Supply:	+12VDC @ 350 mA -12VDC @ 180 mA	230 mA 100 mA	PMI QA3

QA/QC Approval: Arthur Zimmerman Date: 2-11-21

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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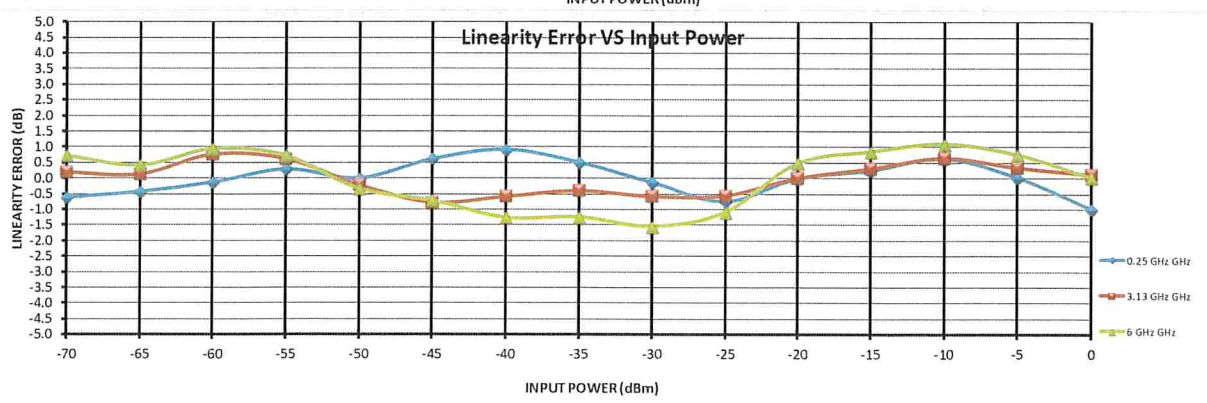
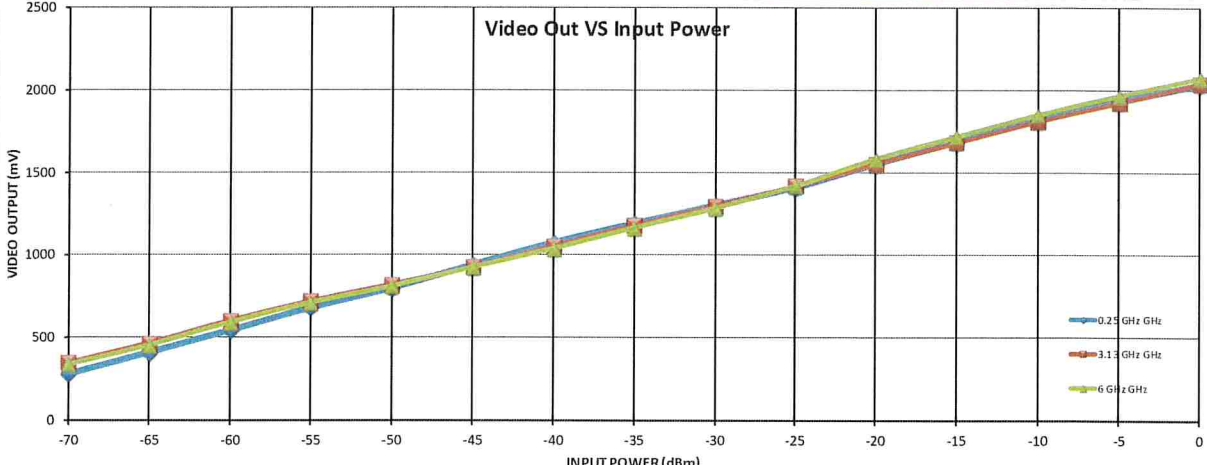
## LOG SLOPE / LINEARITY PLOTS

LOG TRANSFER WITH FREQUENCY @ 25 °C  
MODEL: SDLVA-250M6G-CD-1-12V  
TESTED BY: Simon K.  
SERIAL No.: PL31042



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El Dorado Hills, CA 95762  
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Frequency		-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)	
0.25 GHz	INTERCEPT (mV)	2061																Measured Value (mV) Error (mV) 0.99
	SLOPE (mV/dB)	25.3																
		276	407	541	678	797	939	1073	1189	1299	1410	1555	1688	1824	1935	2036		
3.13 GHz	INTERCEPT (mV)	2041																Measured Value (mV) Error (mV) 0.77
	SLOPE (mV/dB)	24.3																
		345	465	602	720	821	929	1055	1181	1298	1420	1555	1684	1814	1928	2044		
6 GHz	INTERCEPT (mV)	2074																Measured Value (mV) Error (mV) 1.53
	SLOPE (mV/dB)	25.1																
		334	452	591	711	810	926	1038	1164	1282	1419	1584	1719	1851	1968	2075		
Flatness dB		1.4	1.2	1.3	0.9	0.5	0.3	0.7	0.5	0.3	0.2	0.6	0.7	0.8	0.8	0.8		

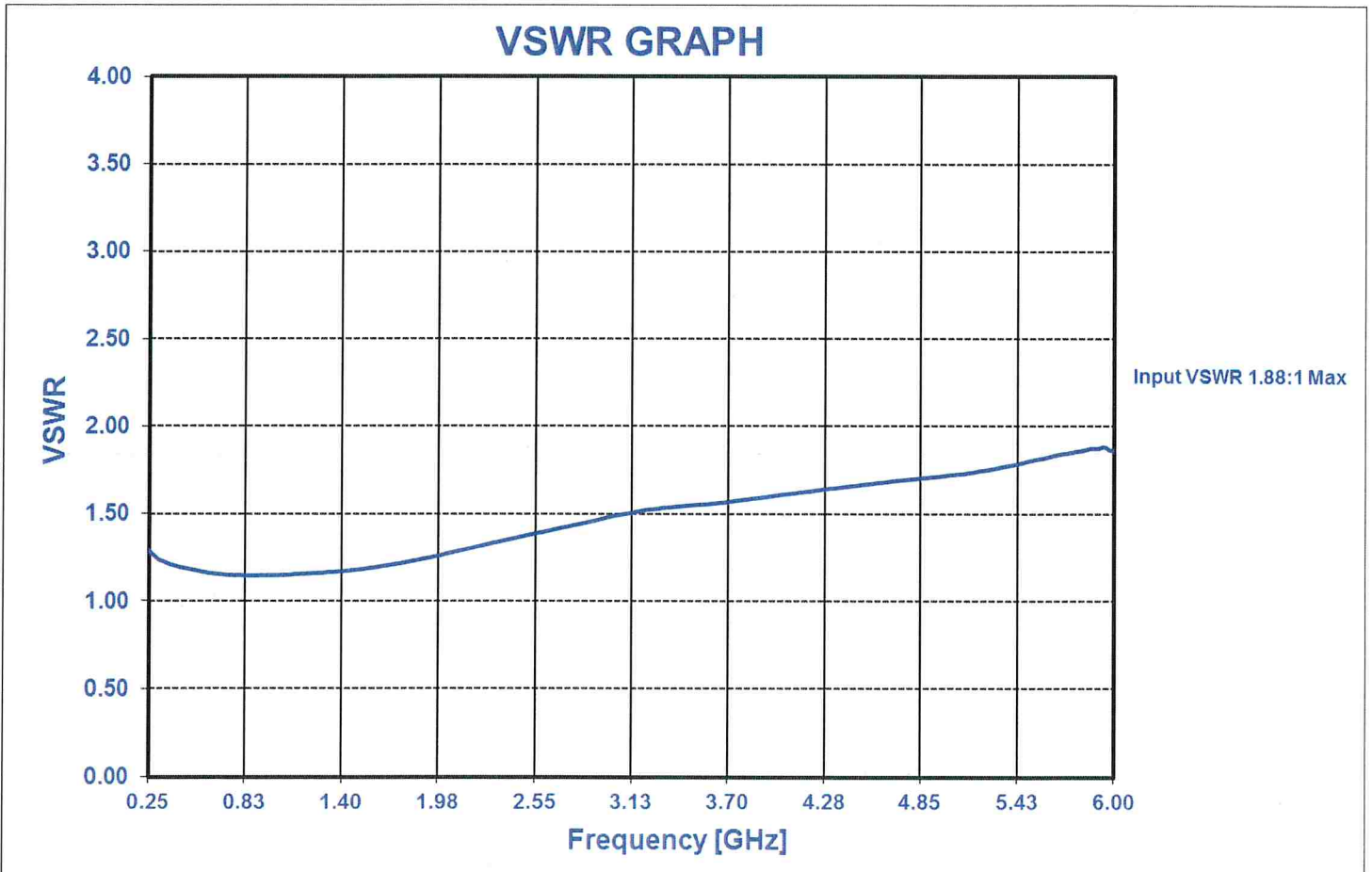




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VSWR PLOT



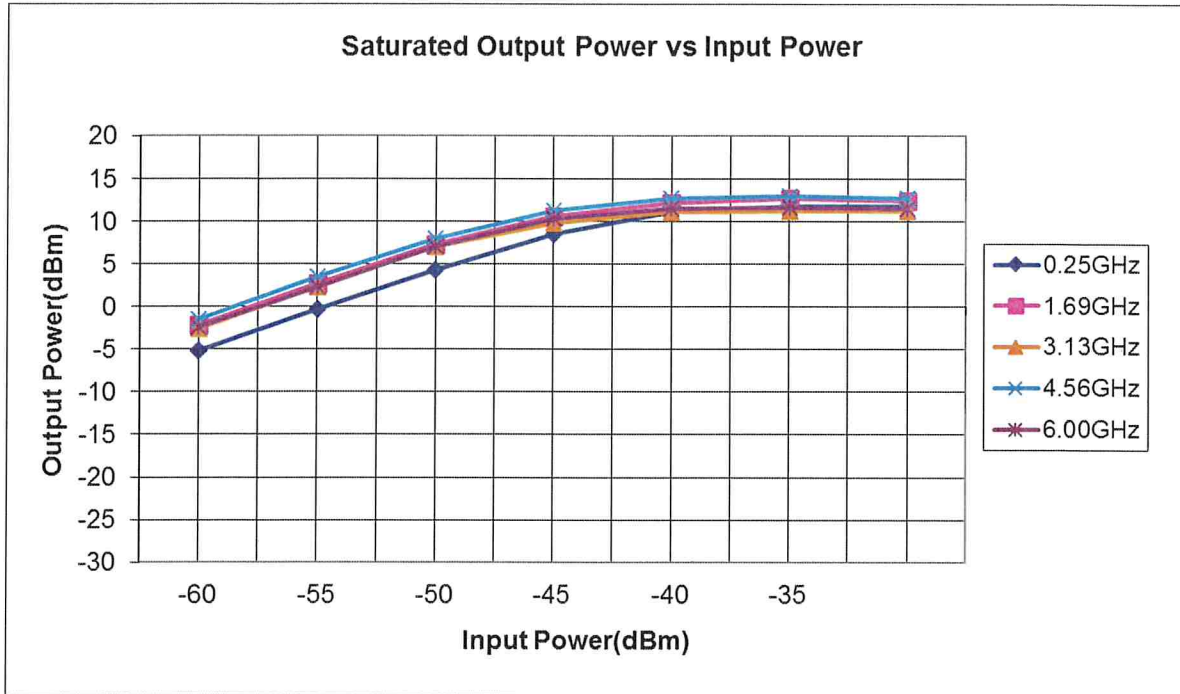




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RF LIMITING PLOT



TSS PLOT

