

## SUMMARY TEST DATA ON SDLVA-1G20G-55-12-SFF

CUSTOMER: \_\_\_\_\_  
SO: \_\_\_\_\_  
MODEL NO: SDLVA-1G20G-55-12-SFF  
SERIAL NO: PL53539/2526

TESTED BY: Jeremy Walker  
TEMPERATURE: +25°C (Unless Otherwise Specified)  
DATE: 6/24/2025  
DRAWING NO: 27637600 REV: A1

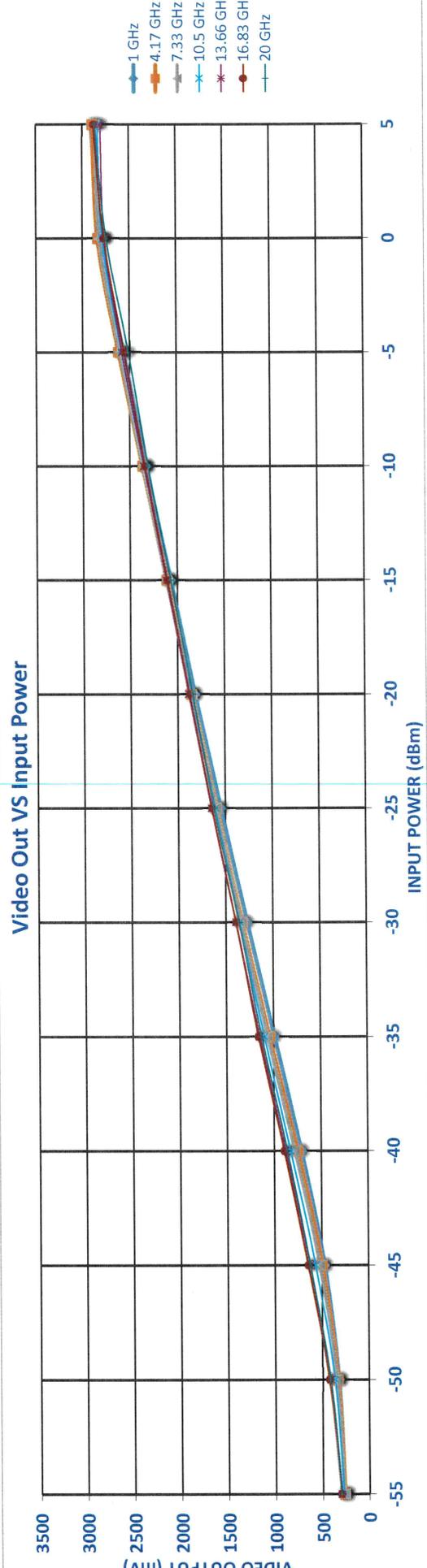
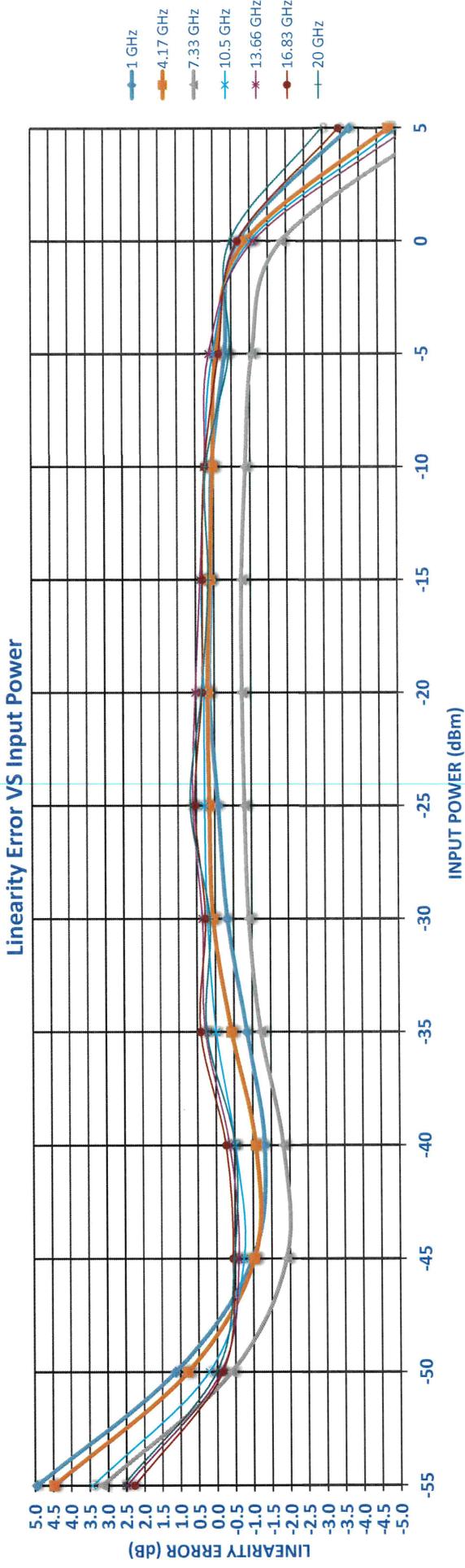
TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency Range	1 GHz – 20 GHz	1 GHz – 20 GHz	Pass
2	Frequency Flatness	±2.0 dB Typ	± 1.80 dB See Plot	Pass
3	Log Linearity	±1.5 dB Typ (-50 to 0dBm)	± 1.90 dB See Plot	Pass
4	Log Linearity Over Temp	±2.0 dB Typ (-50 to 0dBm) (@ -55°C to +85°C)	By Design	Pass
5	Logging Range	-55 to +5 dBm	PASS	Pass
6	Video Load	50 OHMS	50 OHMS	Pass
7	Input VSWR	2.8:1 Typ	4.476:1	Pass
8	Log Video Output Voltage	0.1 V to 2.5V Typ	See Plot	Pass
9	Log Video Output Slope	50 mV / dB Typ	49.45 mV/dB	Pass
10	Log Video Output Rise Time	5 ns Typ (Pin = -20 dBm @ 10% to 90%)	8 nS	Pass
11	Log Video Output Fall Time	20 ns Typ (Pin = -20 dBm @ 90% to 10%)	13.3 nS	Pass
12	Log Video Recovery Time	28 ns Typ (Pin = -50 dBm to 0 dBm)	-25.4 nS	Pass
13	Log Video Propagation Delay	15 ns Typ	By Design	Pass
14	TSS	-58dBm Typ	-57.7 dBm	Pass
15	Power Supply	+8V to +15V @ 130mA Typ	120mA	Pass

QA/QC Approval:  PMI QAS

Date: 6-25-25



LOG TRANSFER WITH FREQUENCY  
 MODEL: SDLVA-1G20G-55-12-SFF  
 SERIAL NO: PL53539  
 Test Temp: +25C

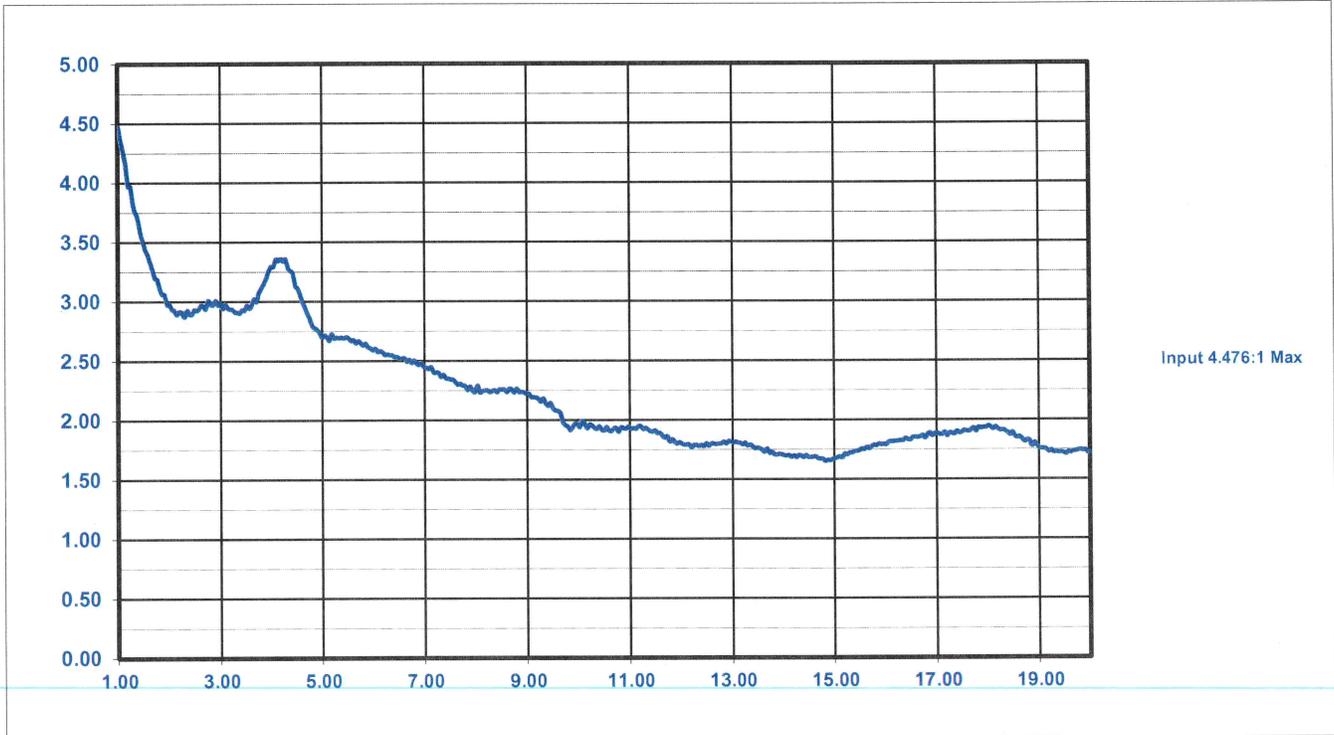




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Serial Number: PL53539

Temperature: +25C





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Rise Time = 8 ns





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Fall Time = 13.3 ns

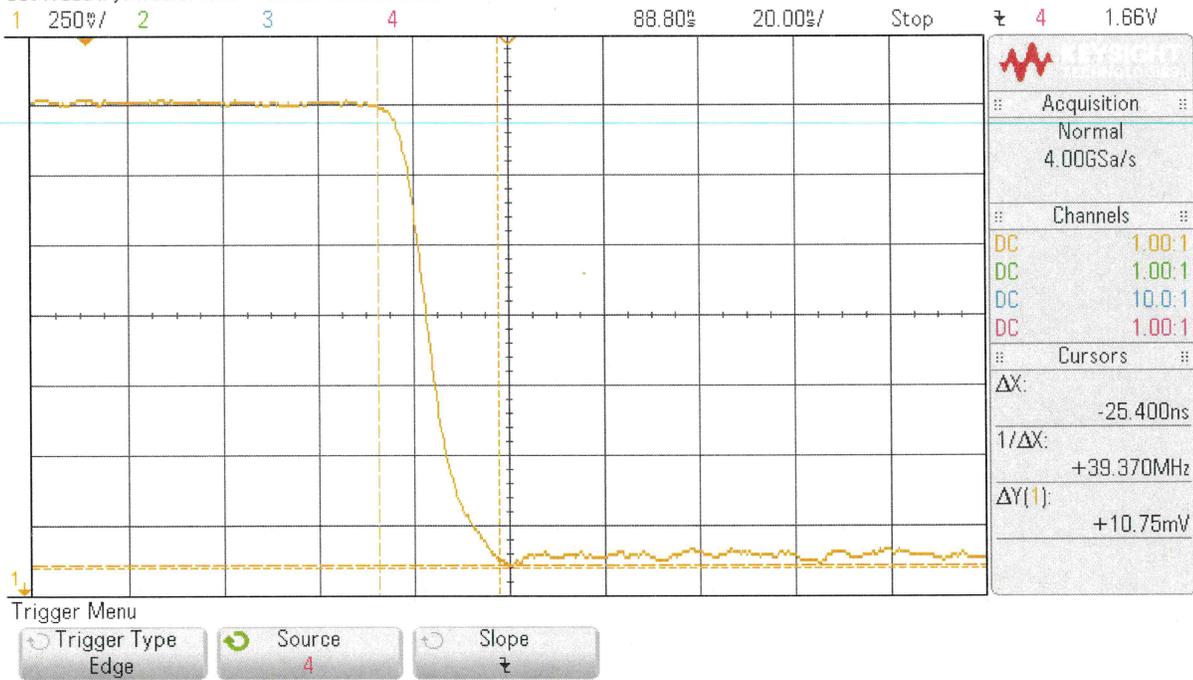




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Recovery Time = -25.4 ns

DSO-X 3034A, MY52394003, Fri Jun 20 10:03:34 2025





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TSS = -57.7 dBm

