

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

CUSTOMER: \_\_\_\_\_  
SO: \_\_\_\_\_  
MODEL NO: SDLVA-1G20G-55-12-SFF  
SERIAL NO: PL53503/2526

TESTED BY: Jeremy Walker  
TEMPERATURE: +25°C (Unless Otherwise Specified)  
DATE: 6/26/2025  
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	± 2.60 dB See Plot	Pass
3	Log Linearity	±1.5 dB Typ (-50 to 0dBm)	± 2.06 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	4.773:1	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	25.67 mV/dB	Pass
10	Log Video Output Rise Time	5 ns Typ (Pin = -20 dBm @ 10% to 90%)	7.8 nS	Pass
11	Log Video Output Fall Time	20 ns Typ (Pin = -20 dBm @ 90% to 10%)	14.3 nS	Pass
12	Log Video Recovery Time	28 ns Typ (Pin = -50 dBm to 0 dBm)	24.4 nS	Pass
13	Log Video Propagation Delay	15 ns Typ	By Design	Pass
14	TSS	-58dBm Typ	-57.6 dBm	Pass
15	Power Supply	+8V to +15V @ 130mA Typ	119mA	Pass

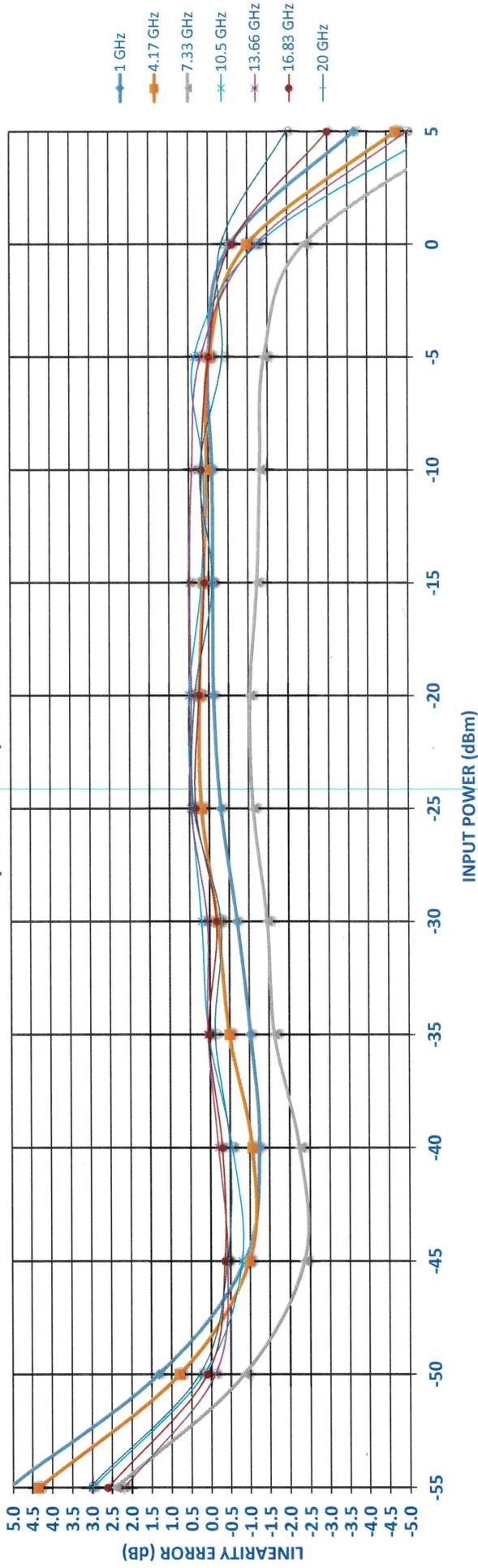
QA/QC Approval:  K. Manning

Date: 6-30-25

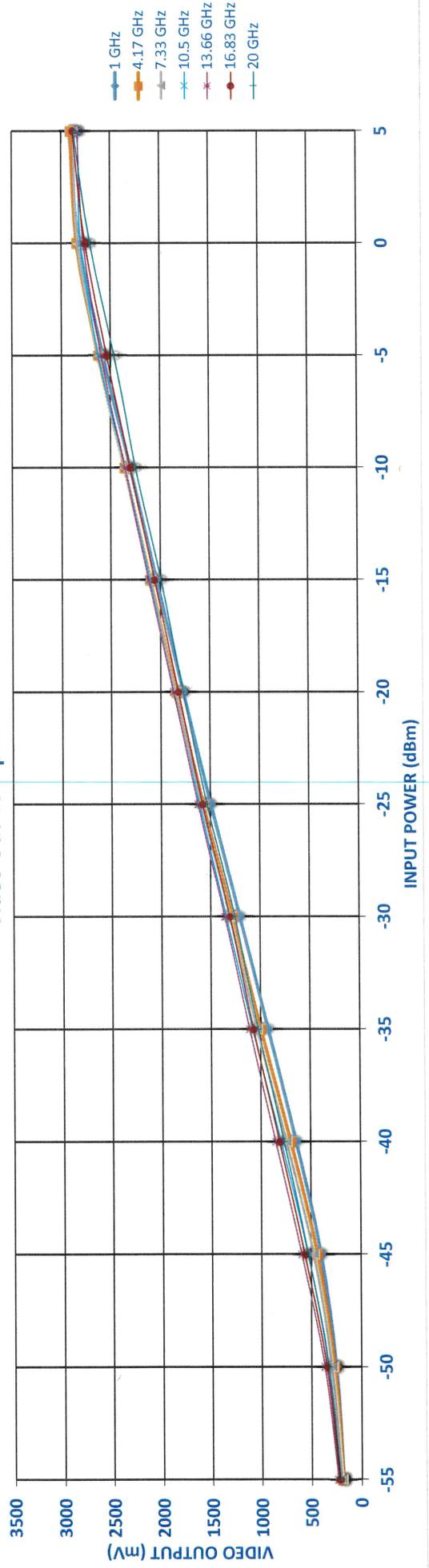


LOG TRANSFER WITH FREQUENCY  
 MODEL: SDLVA-1G20G-55-12-SFF  
 SERIAL NO: PL53503  
 Test Temp: +25C

Linearity Error VS Input Power



Video Out VS Input Power

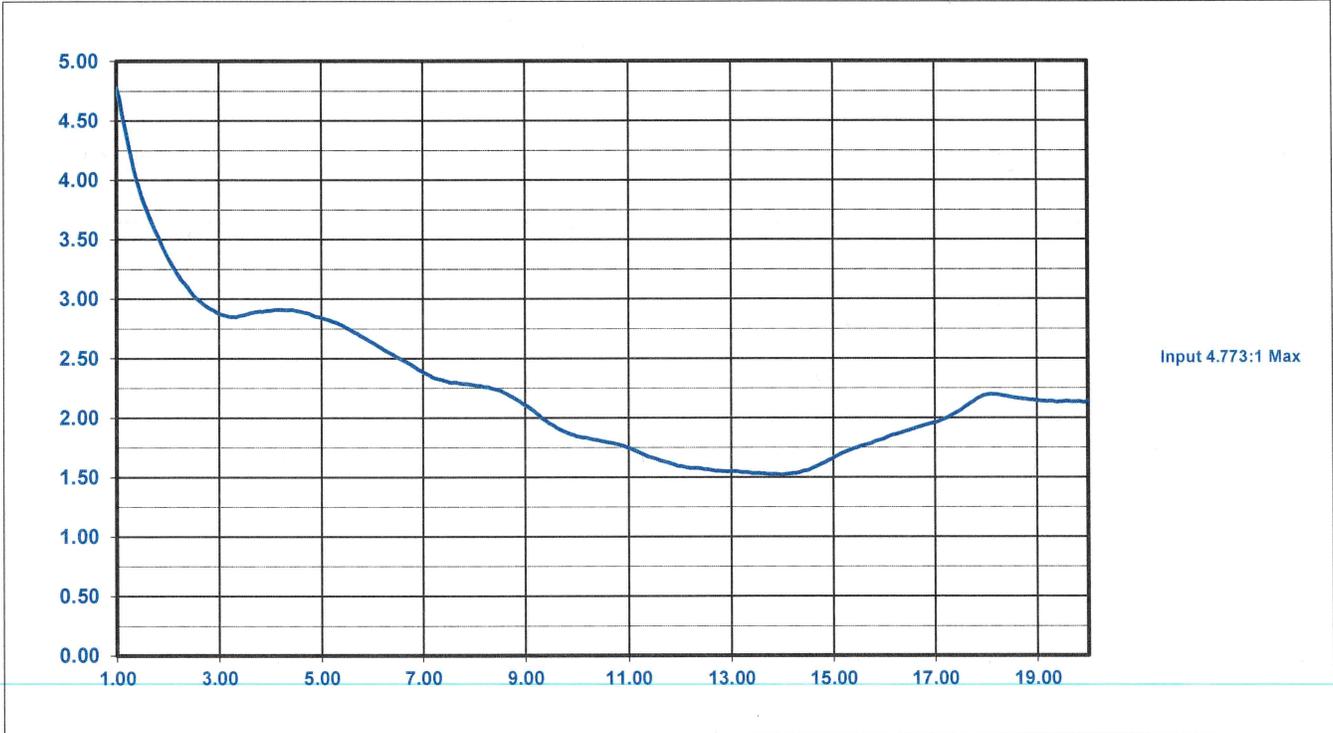




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Model Number: SDLVA-1G20G-55-12-SFF  
Serial Number: PL53503

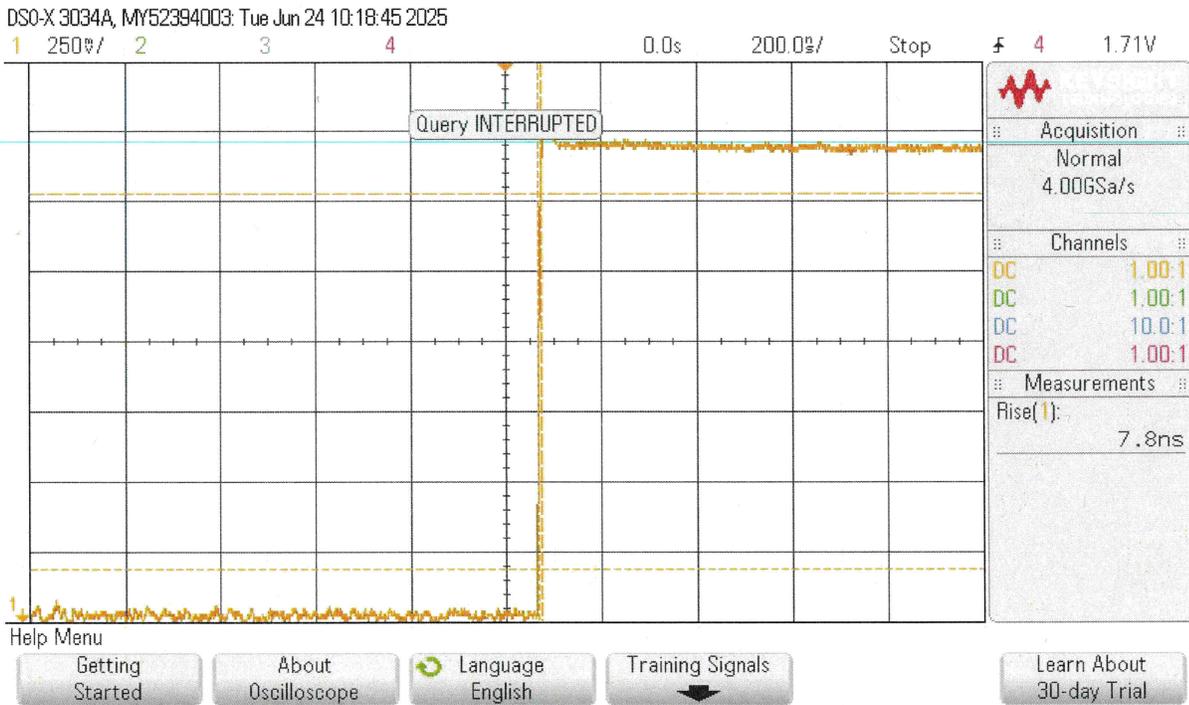
Temperature: +25C





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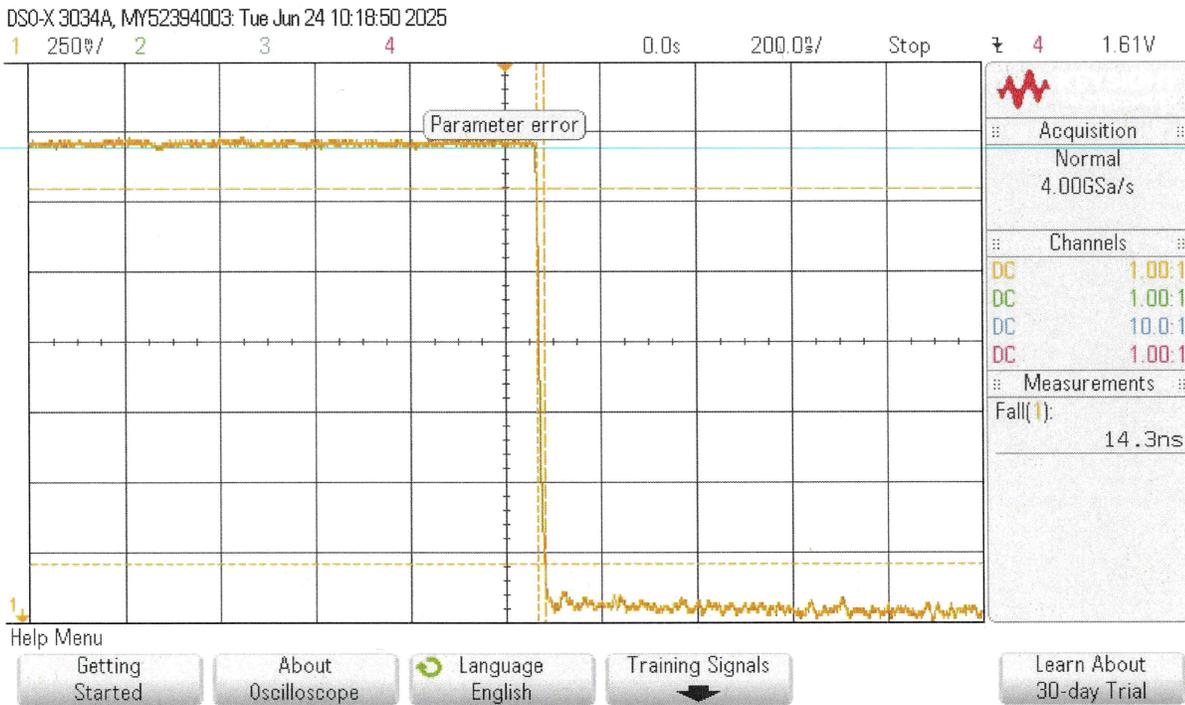
Rise Time = 7.8 ns





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Fall Time = 14.3 ns





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Recovery Time = 24.4 ns

DSO-X 3034A, MY52394003: Tue Jun 24 10:19:25 2025

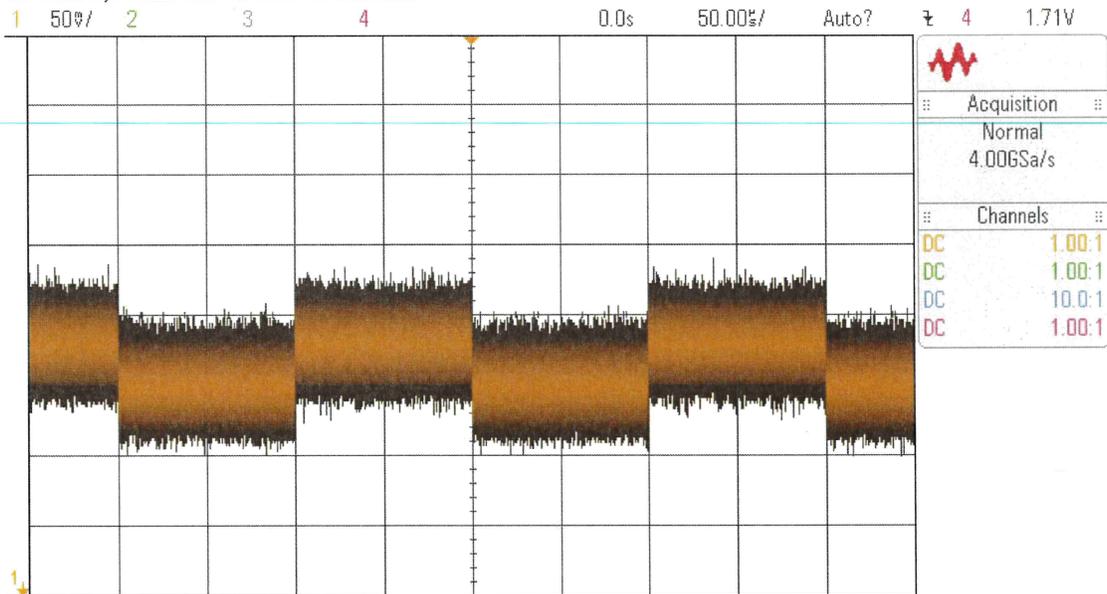




**SUMMARY TEST DATA  
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TSS = -57.6 dBm

DSO-X 3034A, MY52394003: Tue Jun 24 10:19:02 2025



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