

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

CUSTOMER: _____

TESTED BY: Joshua Monley

SO: _____

TEMPERATURE: +25°C (Unless Otherwise Specified)

MODEL NO: SDLVA-1G20G-55-12-SFF

DATE: 6/12/2025

SERIAL NO: PL53237/2525

DRAWING NO: 27637600

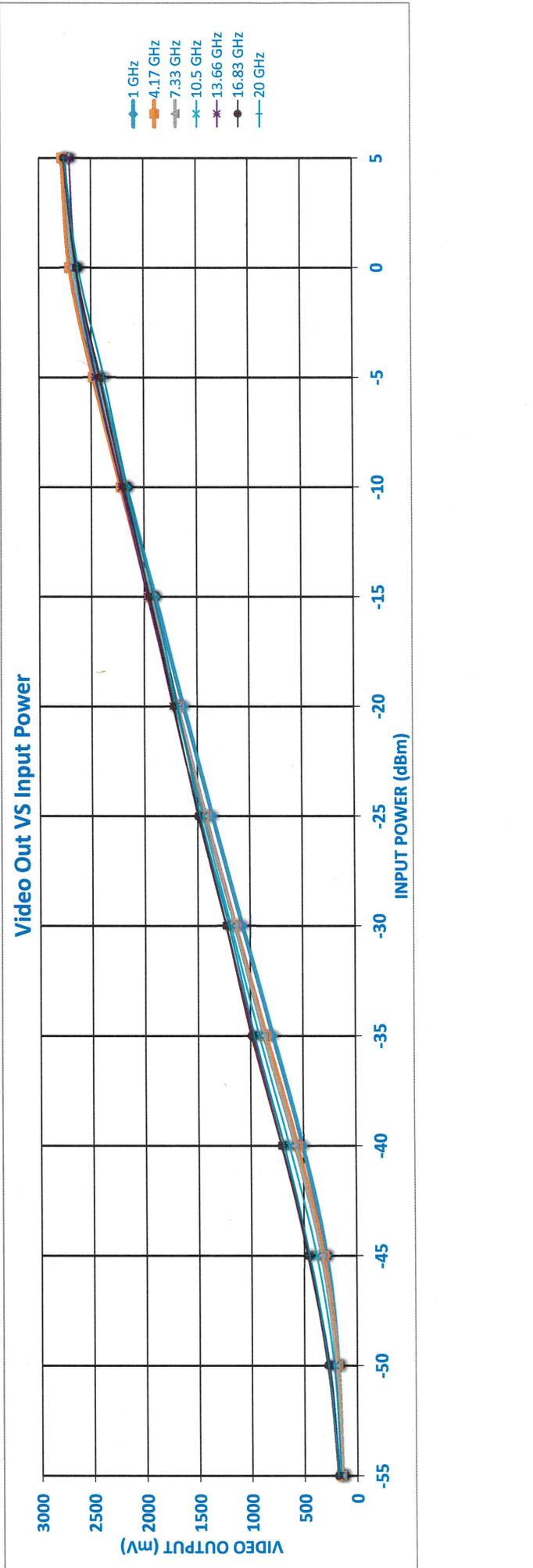
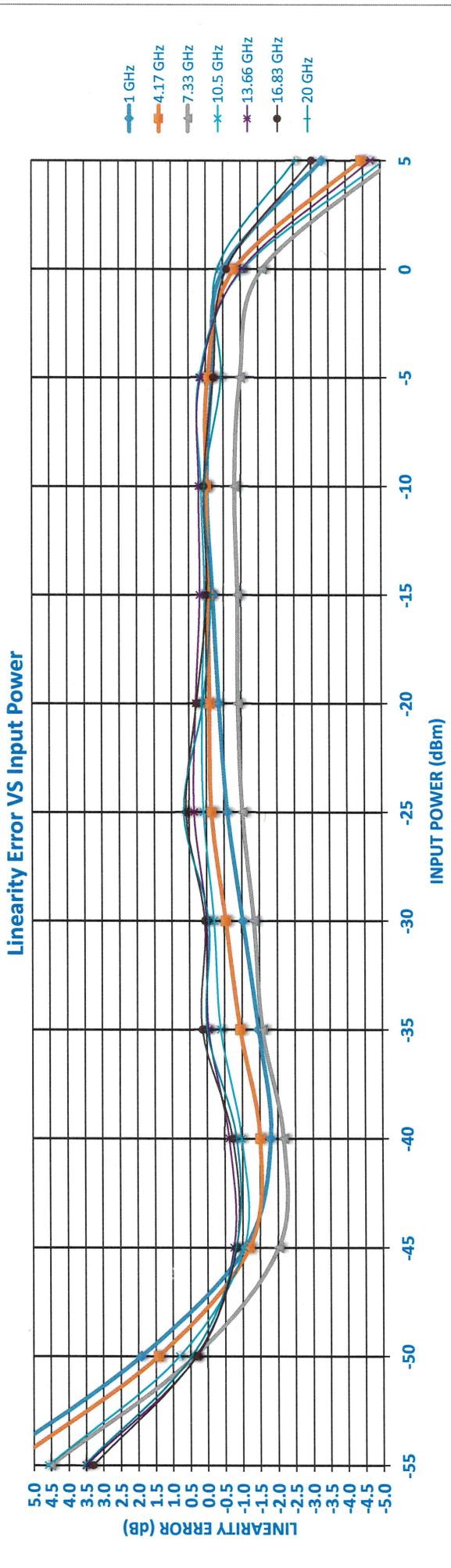
REV: A1

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	± 2.00 dB See Plot	Pass
3	Log Linearity	±1.5 dB Typ (-50 to 0dBm)	± 2.17 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	4.44:1	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	50.32 mV/dB	Pass
10	Log Video Output Rise Time	5 ns Typ (Pin = -20 dBm @ 10% to 90%)	6.6 nS	Pass
11	Log Video Output Fall Time	20 ns Typ (Pin = -20 dBm @ 90% to 10%)	21.8 nS	Pass
12	Log Video Recovery Time	28 ns Typ (Pin = -50 dBm to 0 dBm)	33.6 nS	Pass
13	Log Video Propagation Delay	15 ns Typ	By Design	Pass
14	TSS	-58dBm Typ	-54.4 dBm	Pass
15	Power Supply	+8V to +15V @ 130mA Typ	110mA	Pass

QA/QC Approval:  **PMI QAS**

Date: 6-17-25

LOG TRANSFER WITH FREQUENCY
 MODEL: SDLVA-1G20G-55-12-SFF
 SERIAL NO: PL53237
 Test Temp: +25C

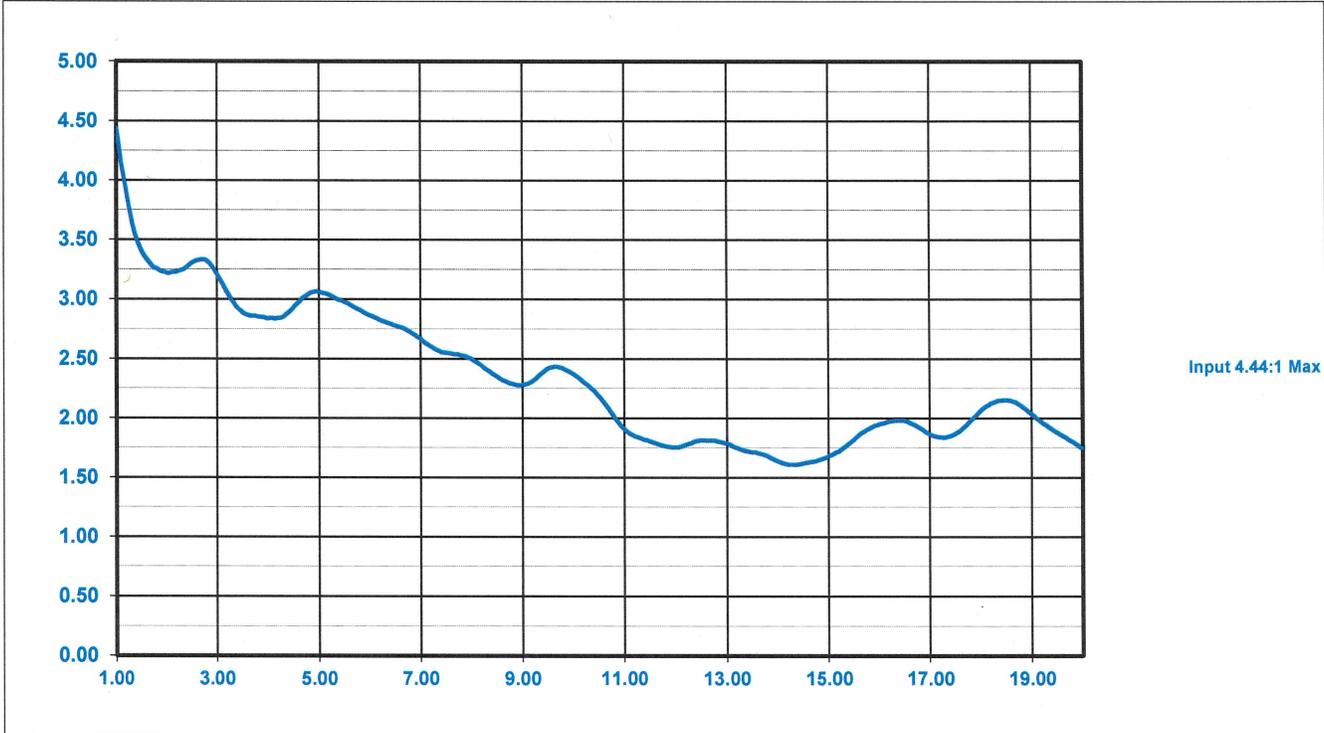




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Model Number: SDLVA-1G20G-55-12-SFF
Serial Number: PL53237

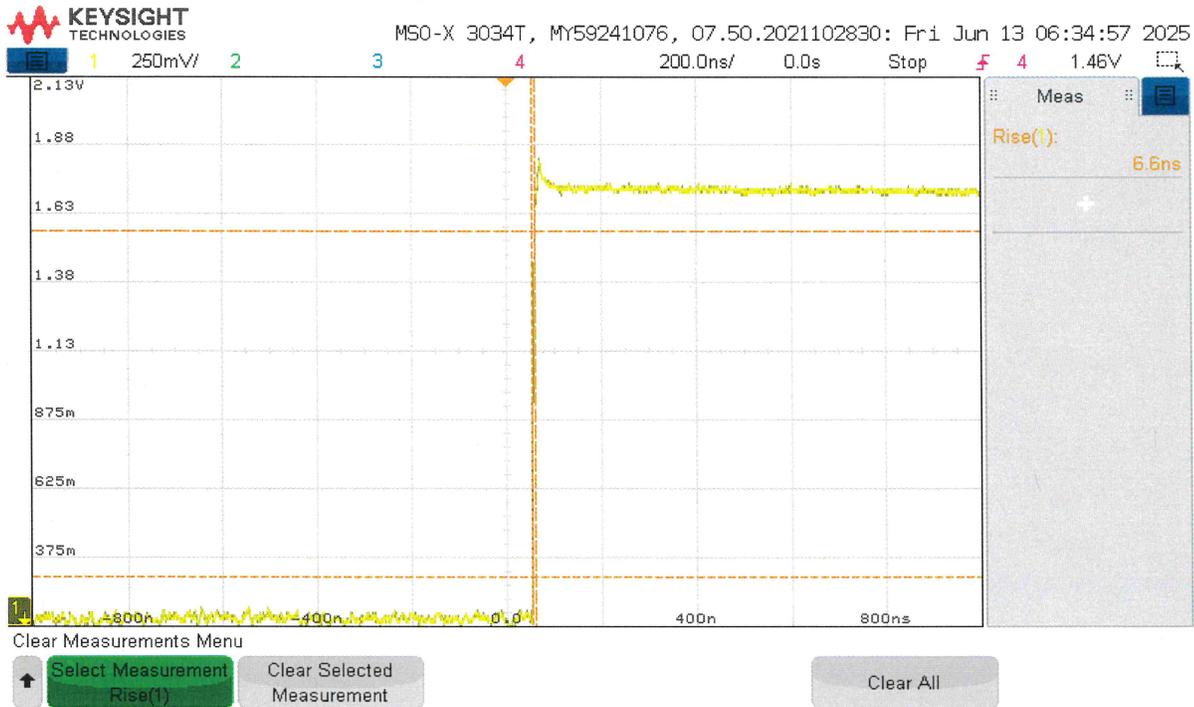
Temperature: +25C





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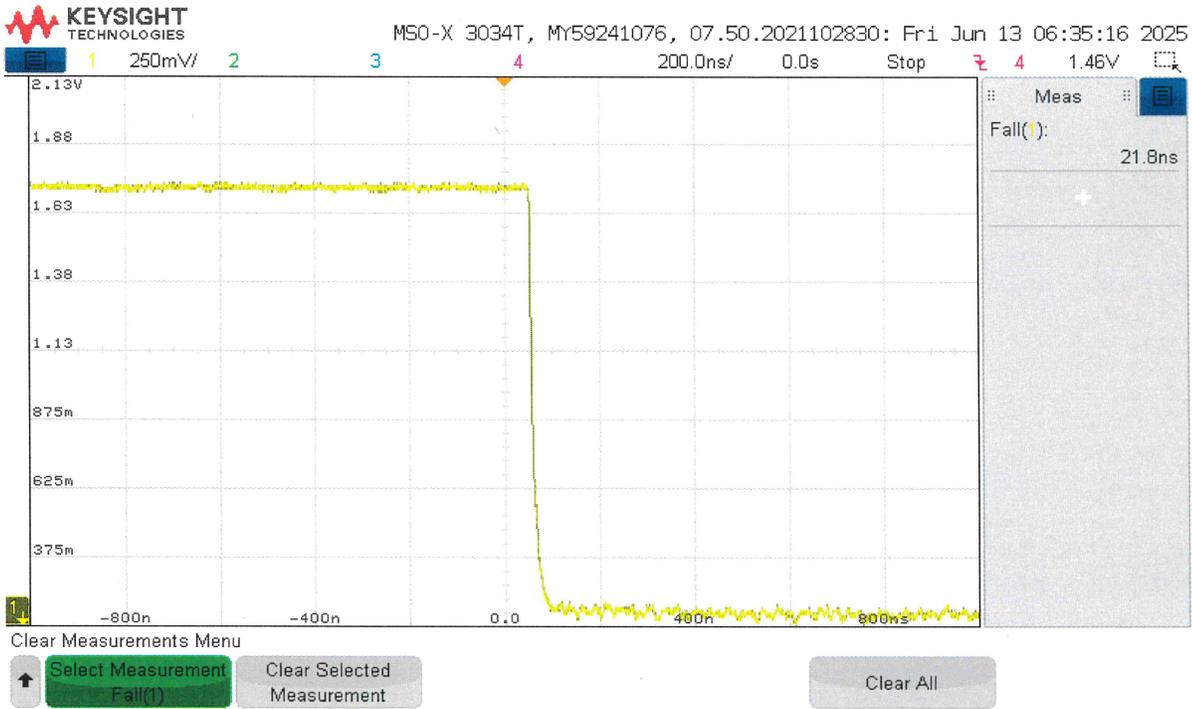
Rise Time = 6.6 ns





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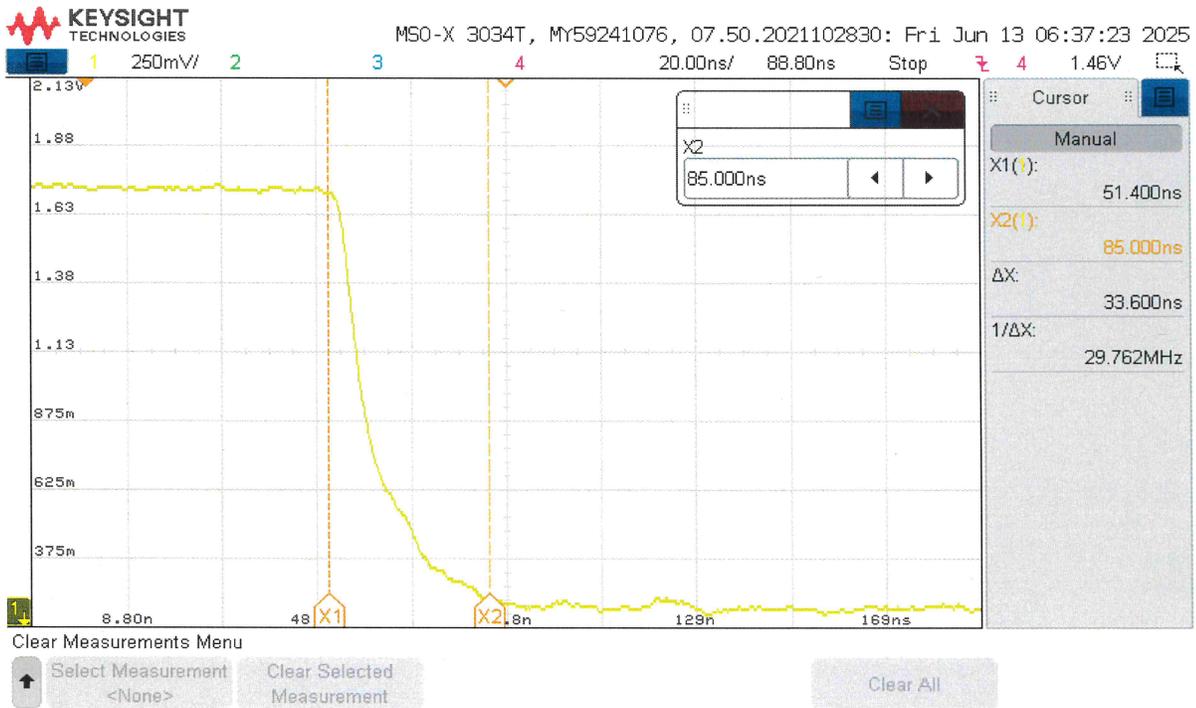
Fall Time = 21.8 ns





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Recovery Time = 33.6 ns





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TSS = -54.4 dBm

