

## SUMMARY TEST DATA ON SDLVA-0120-70-CONDOR


CUSTOMER: \_\_\_\_\_  
SO: \_\_\_\_\_  
MODEL NO: SDLVA-0120-70-CONDOR  
SERIAL NO: PL55142/2544

TESTED BY: JW  
TEMPERATURE: +25°C  
DATE: 10/24/2025  
DRAWING NO: 2768414      REV: A1

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency Range	750 MHz TO 1250 MHz	750 MHz TO 1250 MHz	
2	Dynamic Range	70 dBm MINIMUM, 75 dBm TYPICAL	70 dBm	
3	Log Linearity	±2.5 dB MAXIMUM @ 1 GHz	-0.58 dB	
4	Minimum Logging Range	-60 dBm MINIMUM, -65 dBm TYPICAL	-65 dBm	
5	Maximum Logging Range	+5 dBm MINIMUM +8 dBm TYPICAL	+5 dBm	
6	VSWR	1.8:1 MAX (INPUT) 2.5:1 MAX (OUTPUT)	1.13:1 1.59:1	
7	Tagential Sensitivity	-65 dBm MINIMUM, -70 dBm TYPICAL	-72 dBm	
8	Limited IF Output	-6 dBm NOMINAL, ±2.5 dB MAXIMUM	-7.05 dBm	
9	Maximum RF Input Power:	+10 dBm	+10 dBm	
10	Output Coupling	DC	Pass	
11	Maximum Output Voltage	2.7 VOLTS	Pass	
12	Rise Time	25 ns MAXIMUM	12.6 ns	
13	Fall Time	30 ns MAXIMUM	14.8 ns	
14	Settling Time	40 ns MAXIMUM	35 ns	
15	DC Offest	0.1 V NOMINAL (ADJUSTABLE)	0.106 V	
16	Slope	25 mV/dB NOMINAL ±5 mV/dB	25.2mV/dB	
17	Log Slope Variation with Frequency	±0.5 mV/dB TYPICAL (OVER 80 MHz RF BANDWIDTH)	±0.34mV/dB	
18	Log Slope Variation with Temperature	±1 mV/dB TYPICAL	±1 mV/dB TYPICAL	
19	Propagation Delay	7 ns TYPICAL, 10 ns MAXIMUM	7 ns	

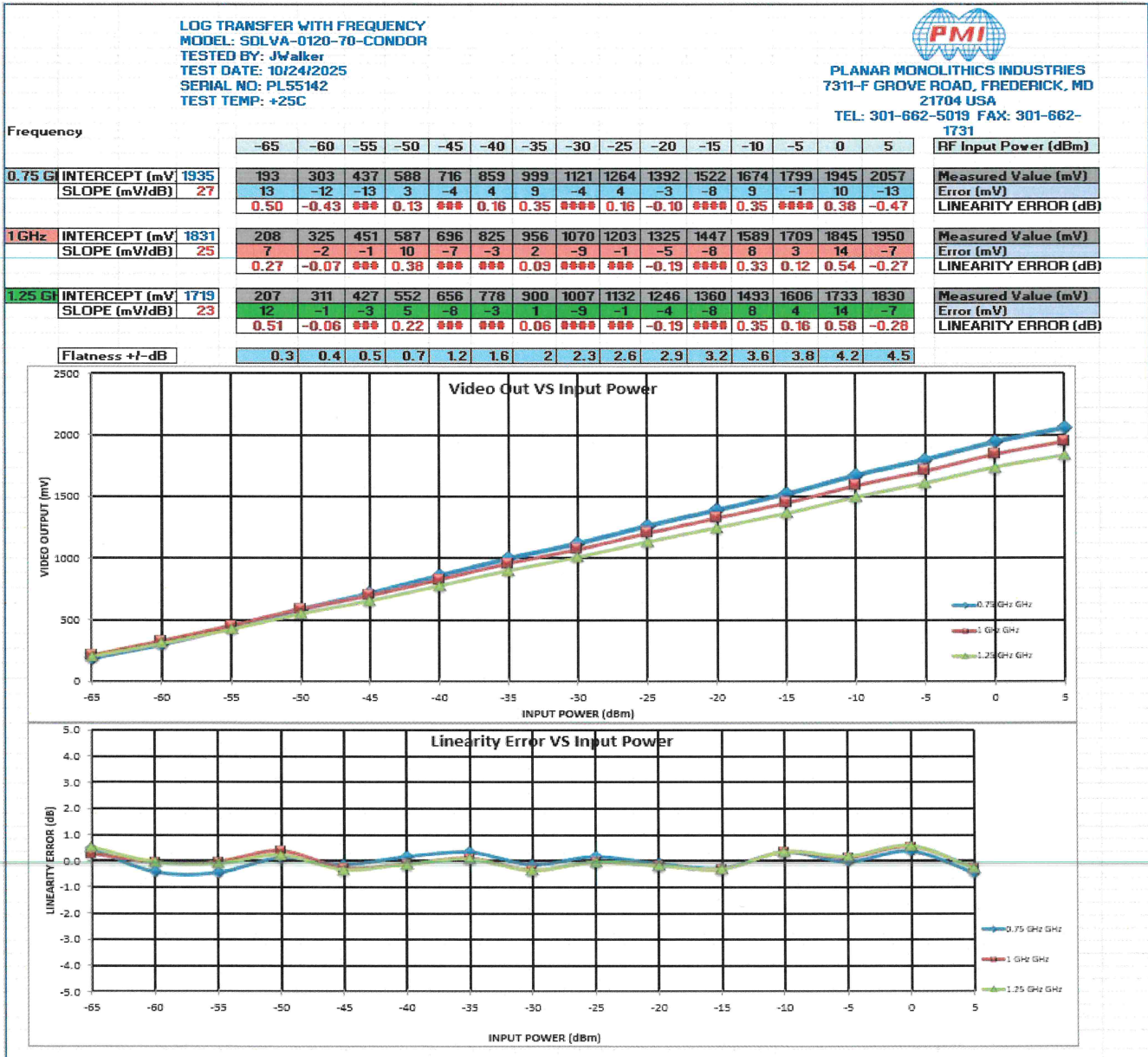
7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 FAX: (301)662-1731

Email: sales@quanticpmi.com

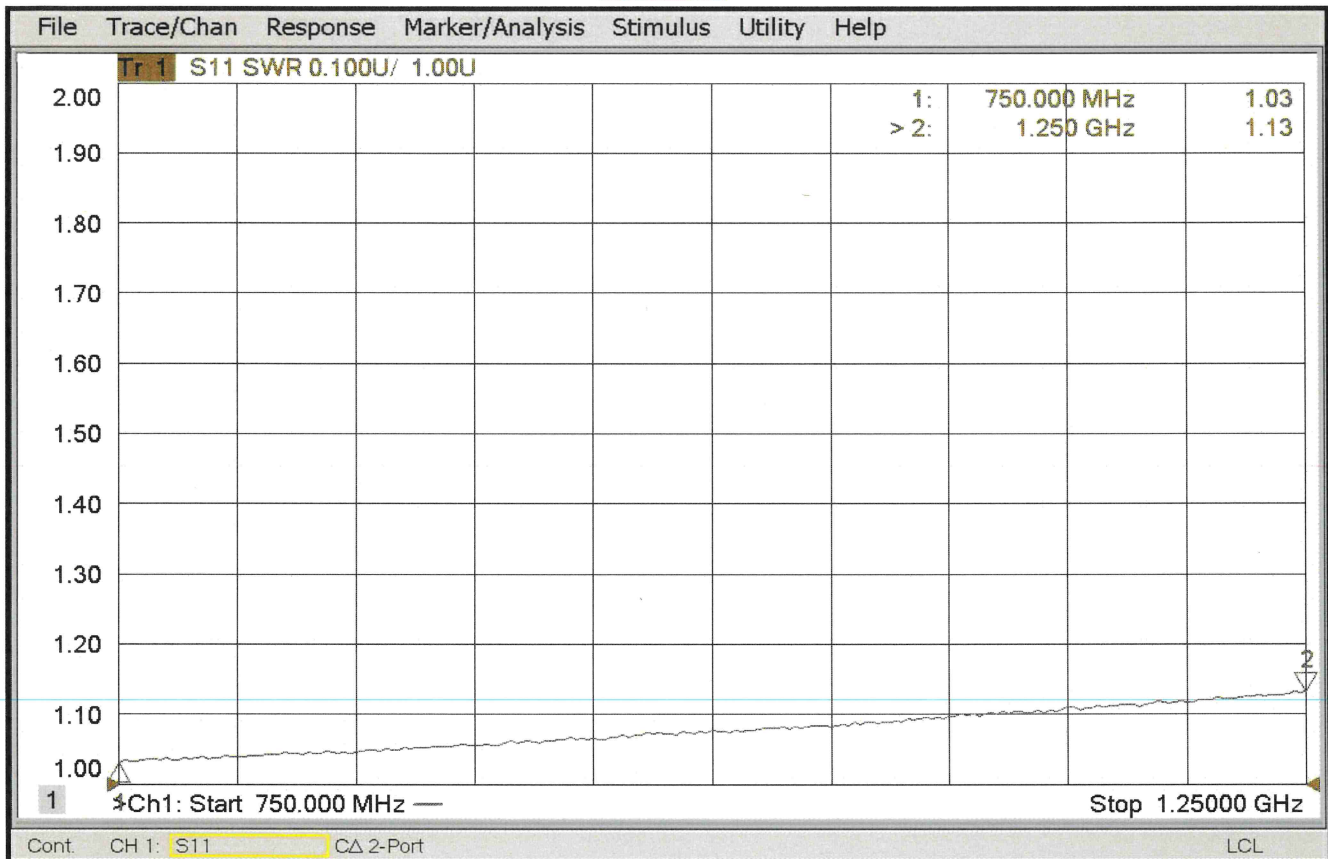
20	Video Load	100 Ω ± 10%	Pass	
21	DC Power Supply	+10V TO +16.5V @ 200mA MAX* -10V TO -16.5V @ 200mA MAX	+73.5mA -147.8mA	/

QA/QC Approval: *J. Klamm*

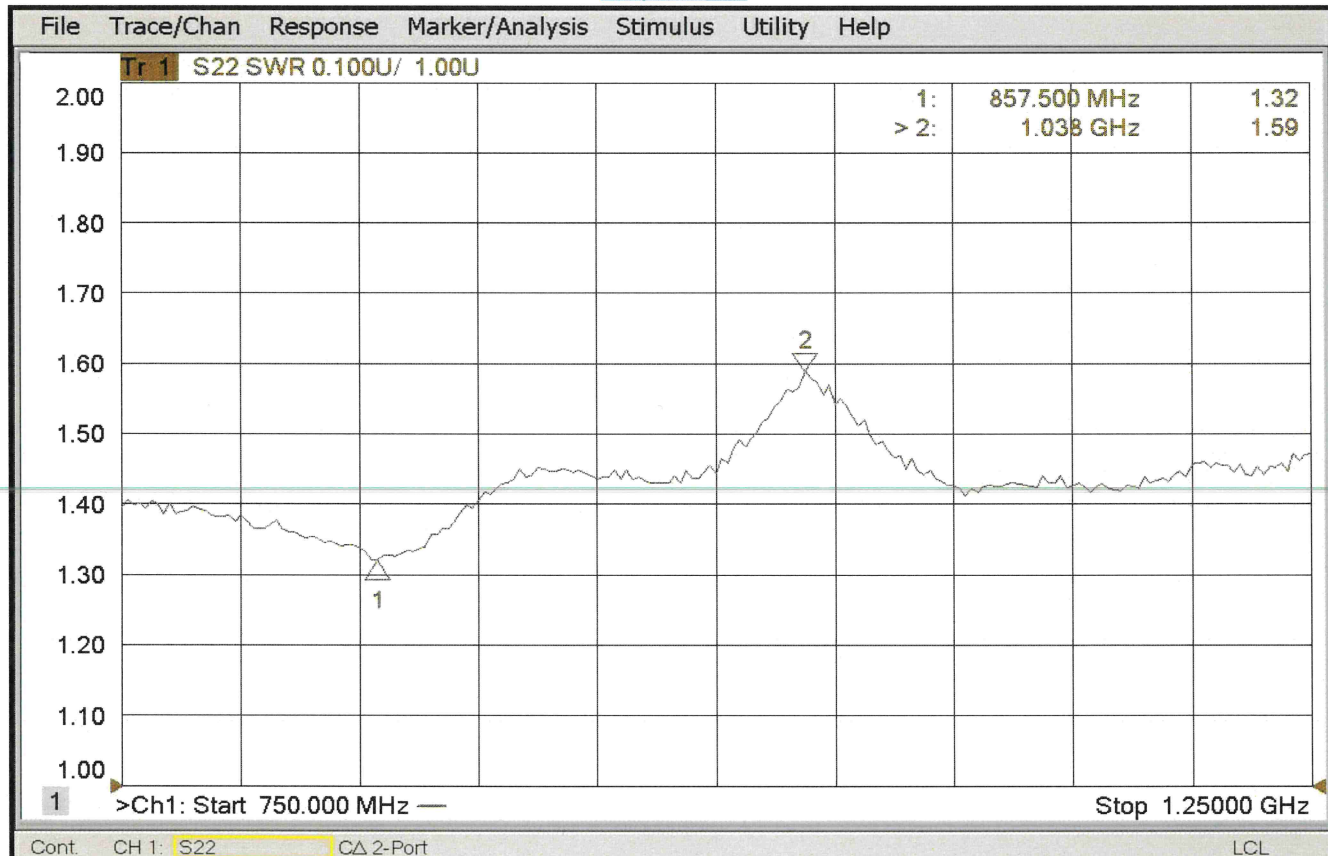
Date: 10.27.25

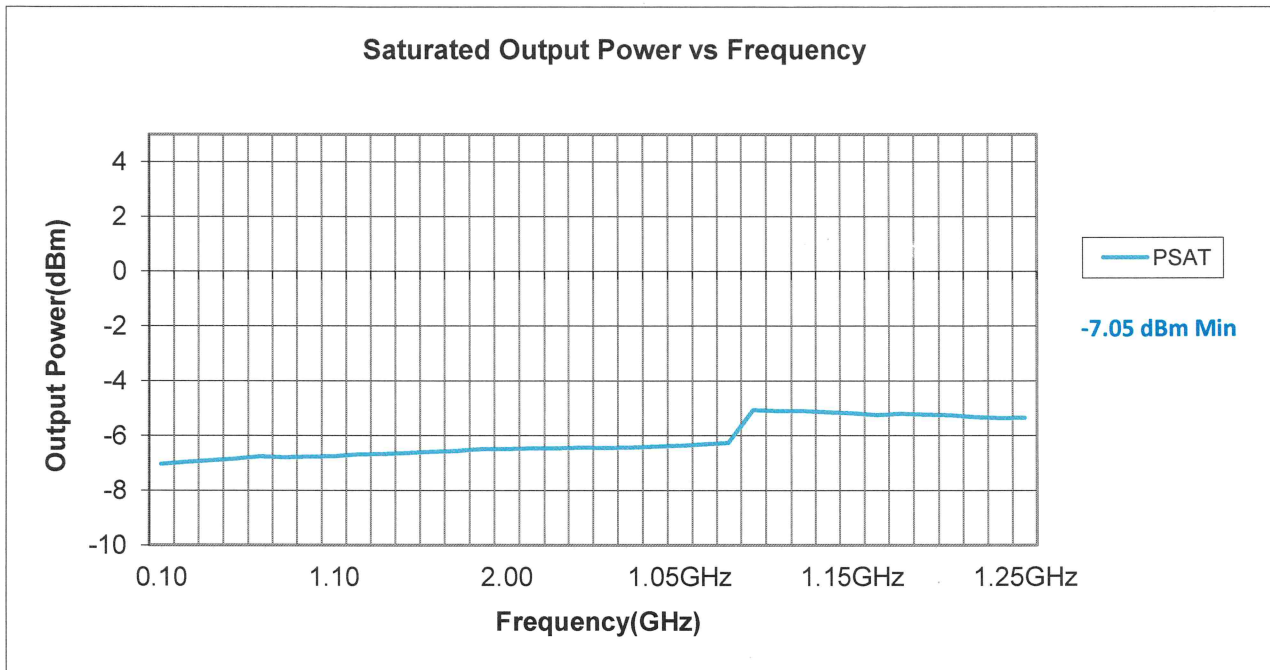


Input VSWR



Output VSWR



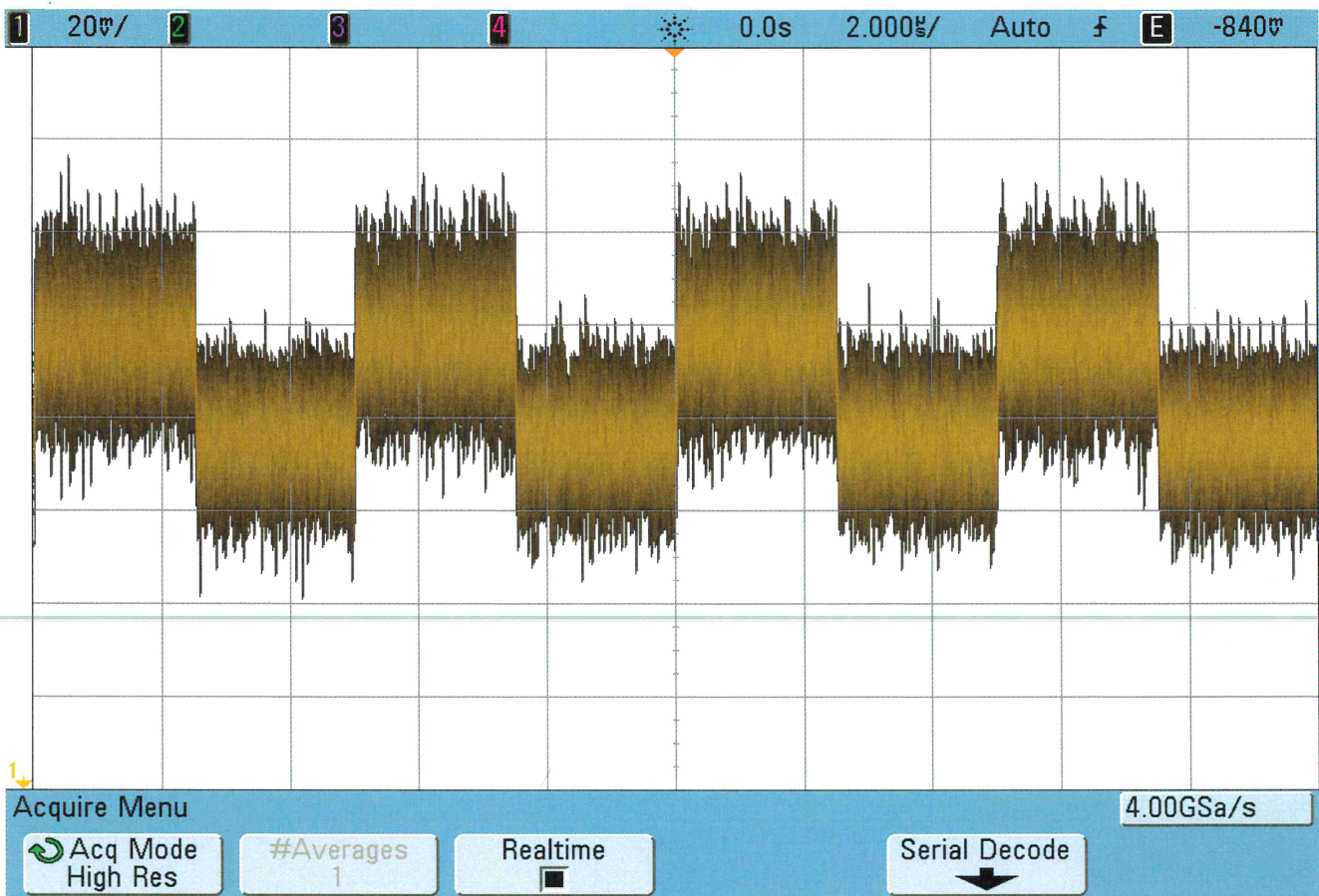


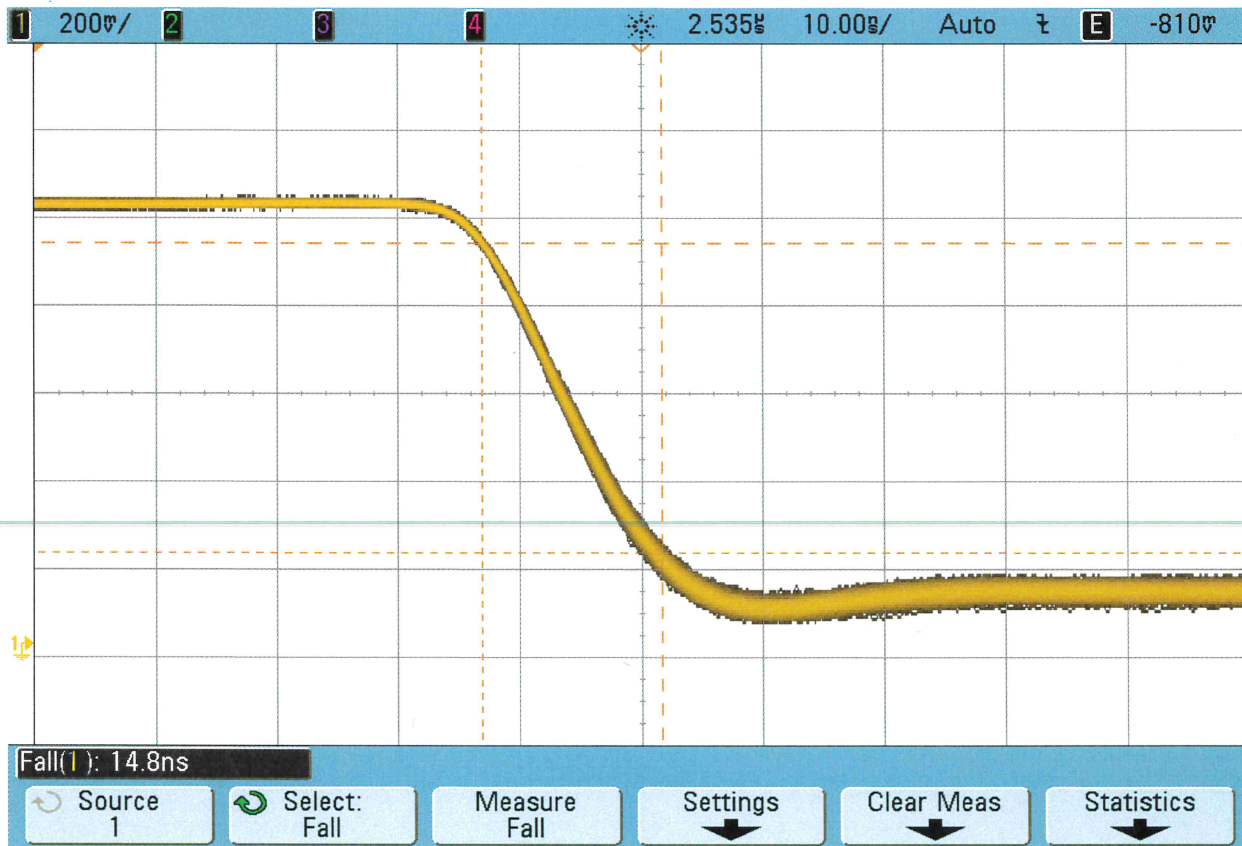
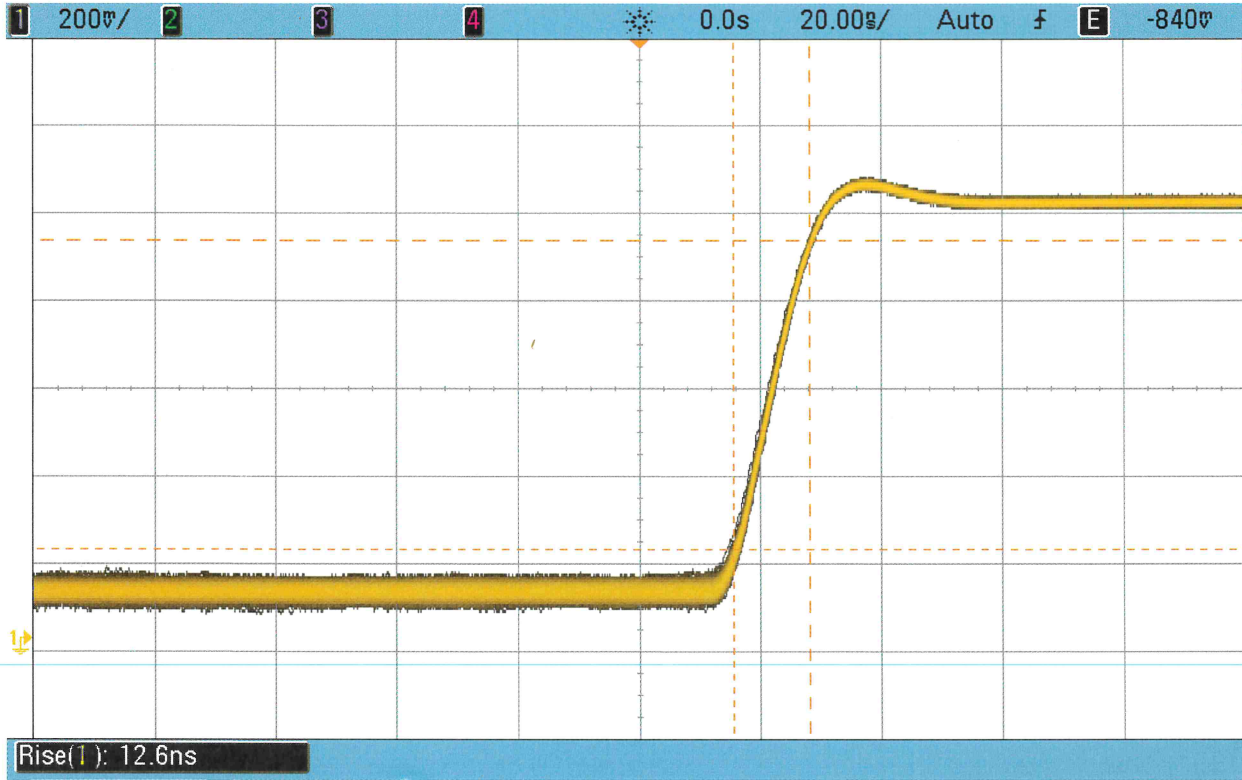
TSS -72dBm



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WED OCT 22 16:08:24 2025





Settling Time



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FRI OCT 24 15:27:04 2025

