



**SUMMARY TEST DATA
ON
SDLVA-100M4G-CD-2**

PL54229/2535

Customer: _____ Tested By: Daniel Weinrob
 SO No: _____ Temperature: +25° C
 Model No: SDLVA-100M4G-CD-2 Date: 08/29/2025
 Serial No: PL54229/2535 Drawing No: 27619921 Rev: A1

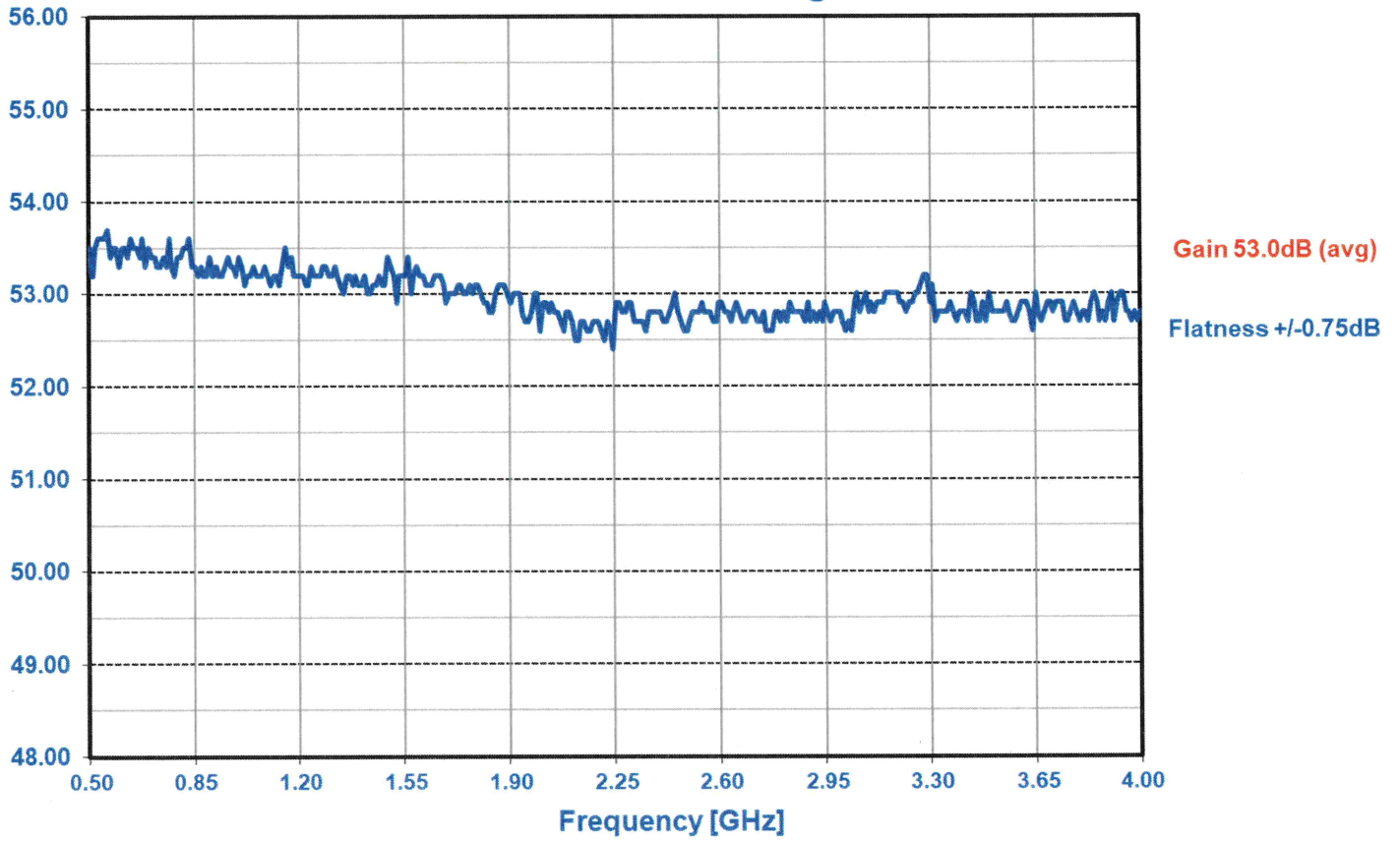
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	100 MHz to 4 GHz	100 MHz to 4 GHz See Plot	PMI QA3
2	RF Gain (Small Signal):	55dB Typ (J1 to J2)@-50dBm	53.0 dB	
3	Video Flatness Over Frequency:	± 50mV Max @-45dBm	±47.5mV	
4	TSS:	-73dBm Typ, -71dBm Max	-73.0dBm	
5	VSWR:	2.0:1 (J1 VSWR)	1.90:1 (Input)	
6	PSAT:	+13dBm Typ (J2)	14.66 dB	
7	Power Input:	+17dBm CW Max (J1)	Pass	
8	Log Slope:	25mV/dB Typ(J3) (50Ω Load)	24.7 mV/dB See Plot	
9	Log Range:	-70 to 0 dBm	-70 to 0dBm	
10	Log Linearity:	±2.5dB (J3)	±2.23dB See Plot	
11	DC Offset:	50 ± 50mV(J3)	Pass	
12	Pulse Range:	100ns to CW	Pass	
13	Rise Time:	30ns (Max)	15.4 ns	
14	Recovery Time:	200ns (Max)	<500ns	
15	Harmonics	15dBc Min -70 to 0dBm	<15dBc	
16	DC Supply:	+15VDC @ 350 mA -15VDC @ 180 mA	+15VDC @ 263 mA -15VDC @ 93 mA	

QA/QC Approval: K. Klumpp

Date: 9-29-25

RF Gain

PL54229 Small Signal Gain



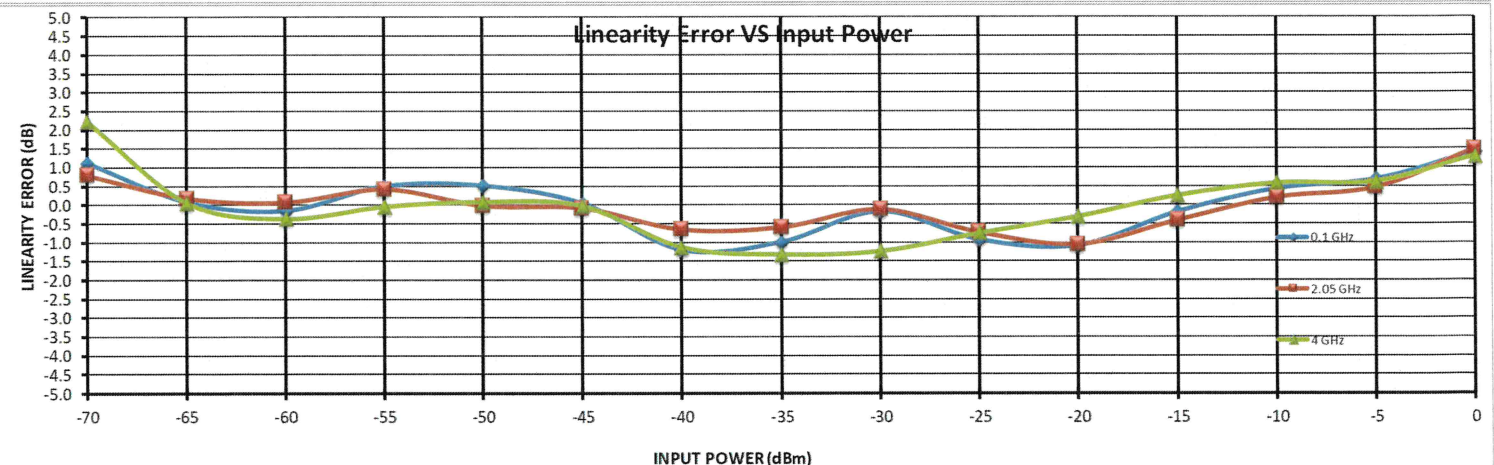
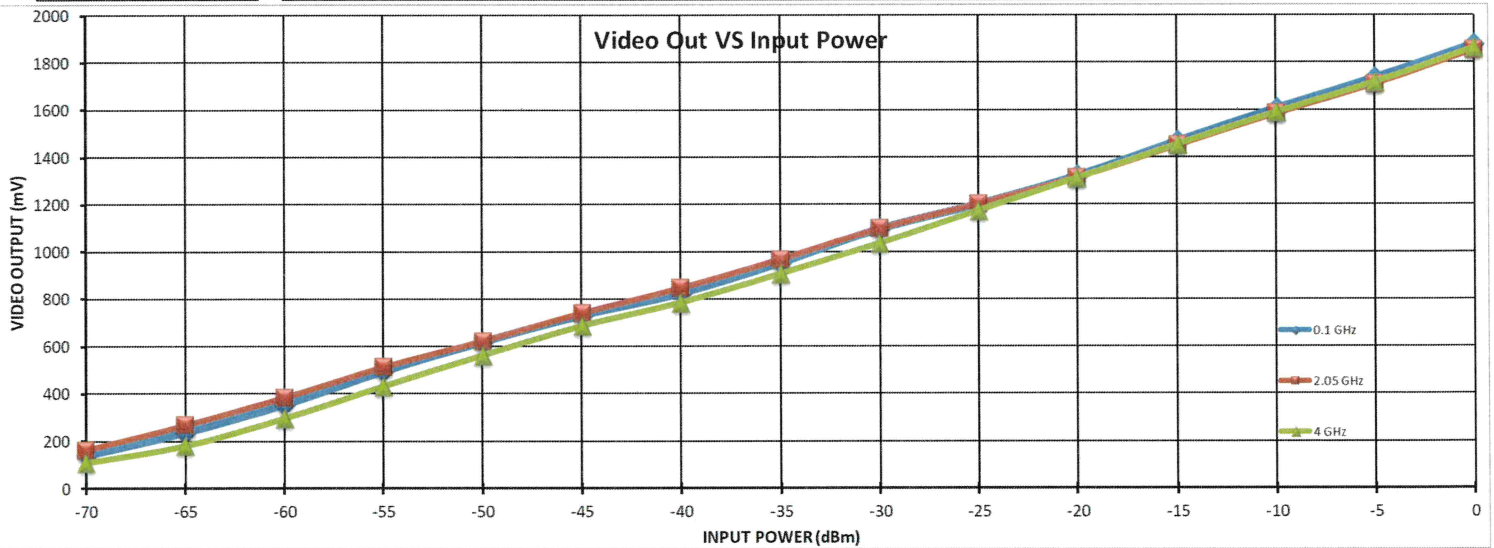
Video Flatness and Logging Linearity

MODEL: SDLVA-100M4G-CD-2
 SERIAL NO: PL54229
 DATE: 8/24/25
 TESTED BY: Justen Gayduchik
 Test Temp: +25°C



PLANAR MONOLITHICS INDUSTRIES
 4621 Robert J. Mathews Parkway Suite 1
 El Dorado Hills, CA 95762
 Phone 916-542-1401 Fax 301-662-1731
 WEB: WWW.PMI-RF.COM

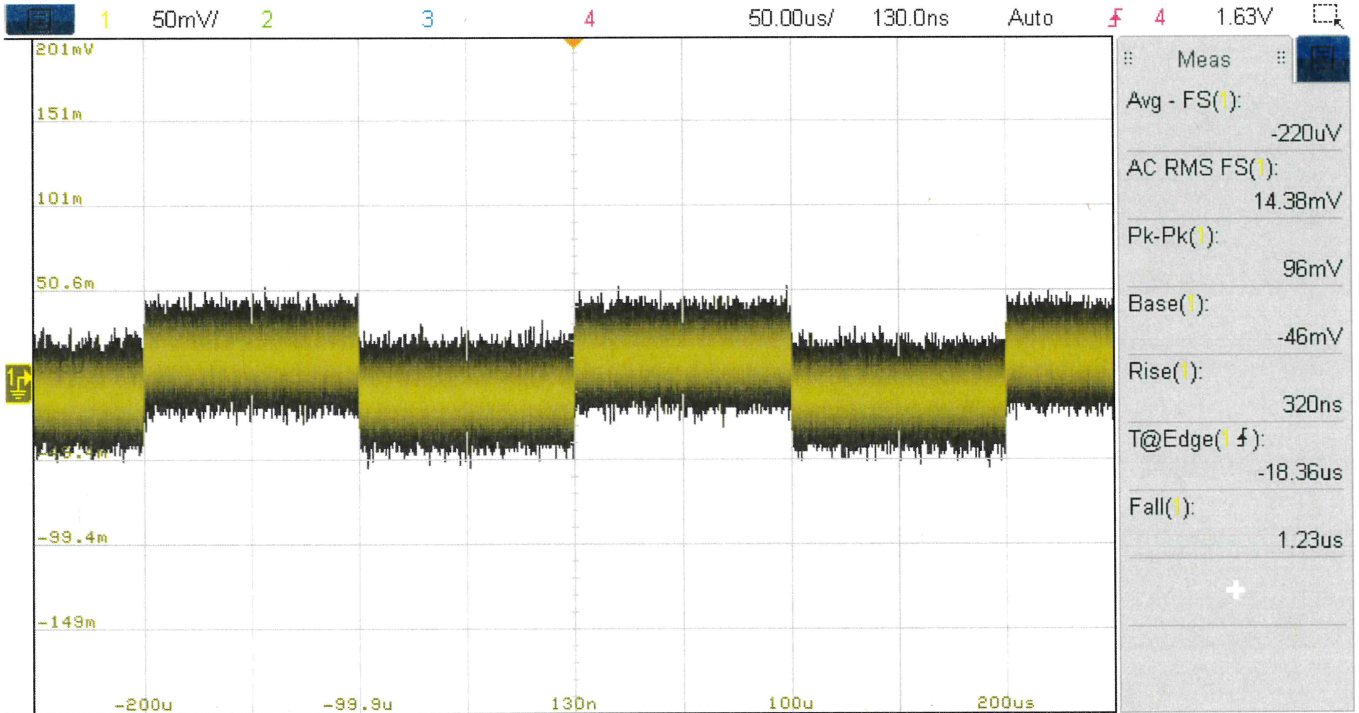
Frequency		-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
0.1 GHz	INTERCEPT (mV)	1843															Measured Value (mV)
	SLOPE (mV/dB)	24.8															Error (mV)
		138	236	354	494	618	730	823	952	1096	1201	1321	1467	1606	1736	1878	1.41
2.05 GHz	INTERCEPT (mV)	1818															Measured Value (mV)
	SLOPE (mV/dB)	23.9															Error (mV)
		163	268	385	513	622	740	846	967	1098	1203	1315	1450	1584	1710	1854	1.49
4 GHz	INTERCEPT (mV)	1827															Measured Value (mV)
	SLOPE (mV/dB)	25.4															Error (mV)
		108	180	296	431	561	685	784	906	1035	1174	1312	1453	1588	1716	1860	2.23
Avg. Slope: 24.7 mV/dB Flatness dB: ±1.9 dB		1.1	1.8	1.9	1.7	1.3	1.1	1.3	1.3	1.3	0.6	0.2	0.4	0.5	0.5	0.5	



TSS -73.0dBm



MSO-X 3034T, MY59241076, 07.50.2021102830: wed Aug 20 14:21:58 2025

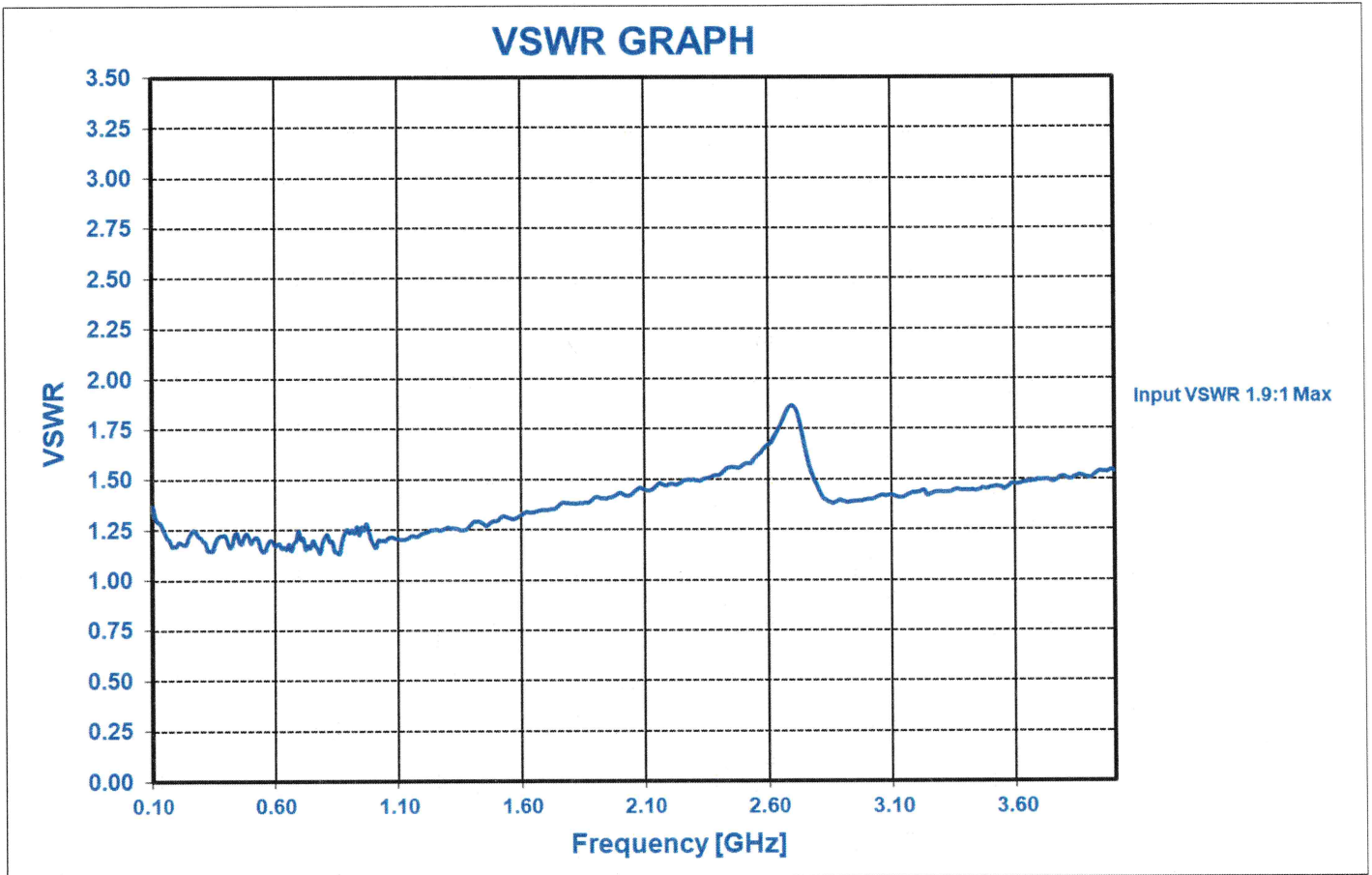


Cursors Menu

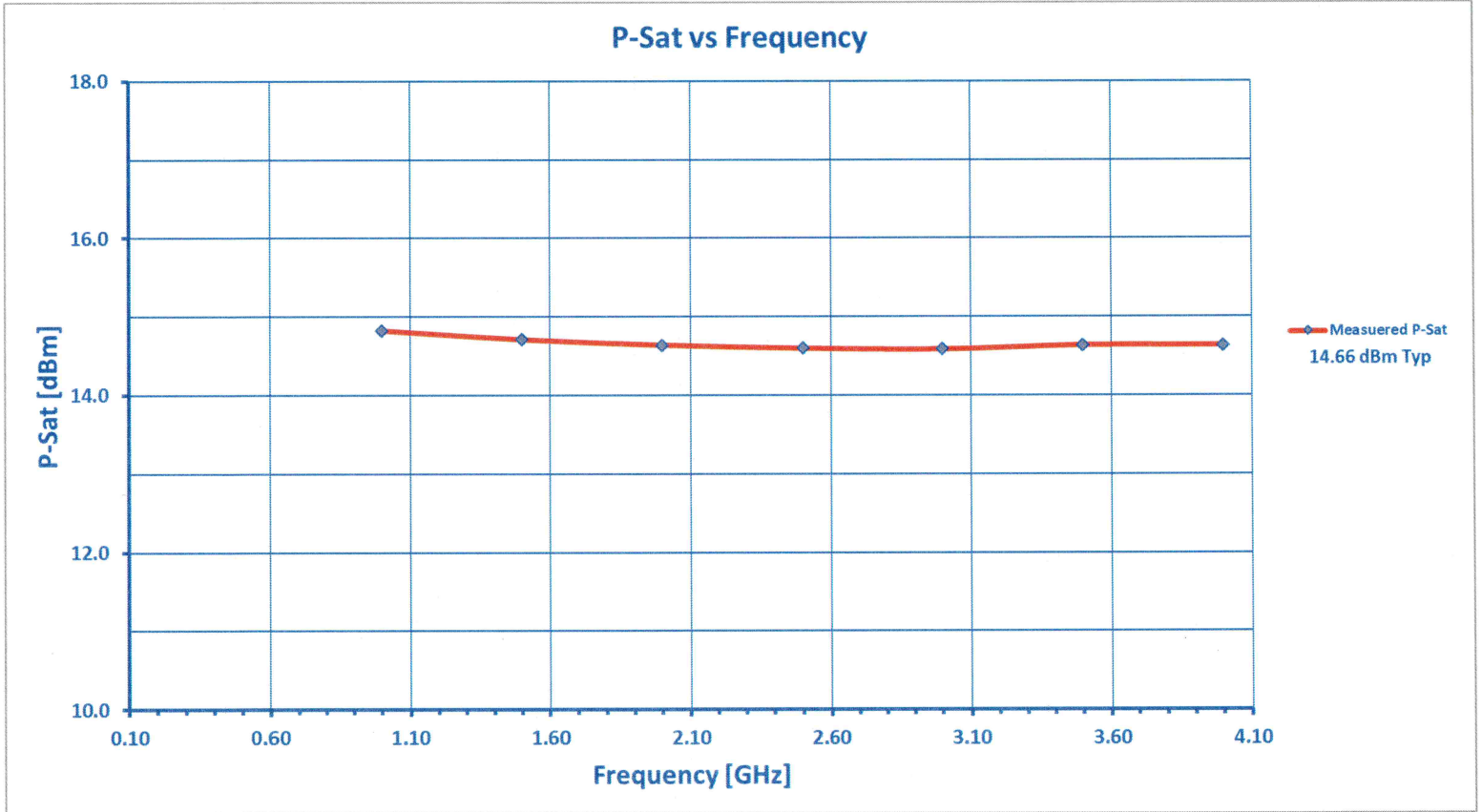
↑ Mode Off

To turn on cursors, press the [Cursors] key on the front panel.

VSWR 1.90:1



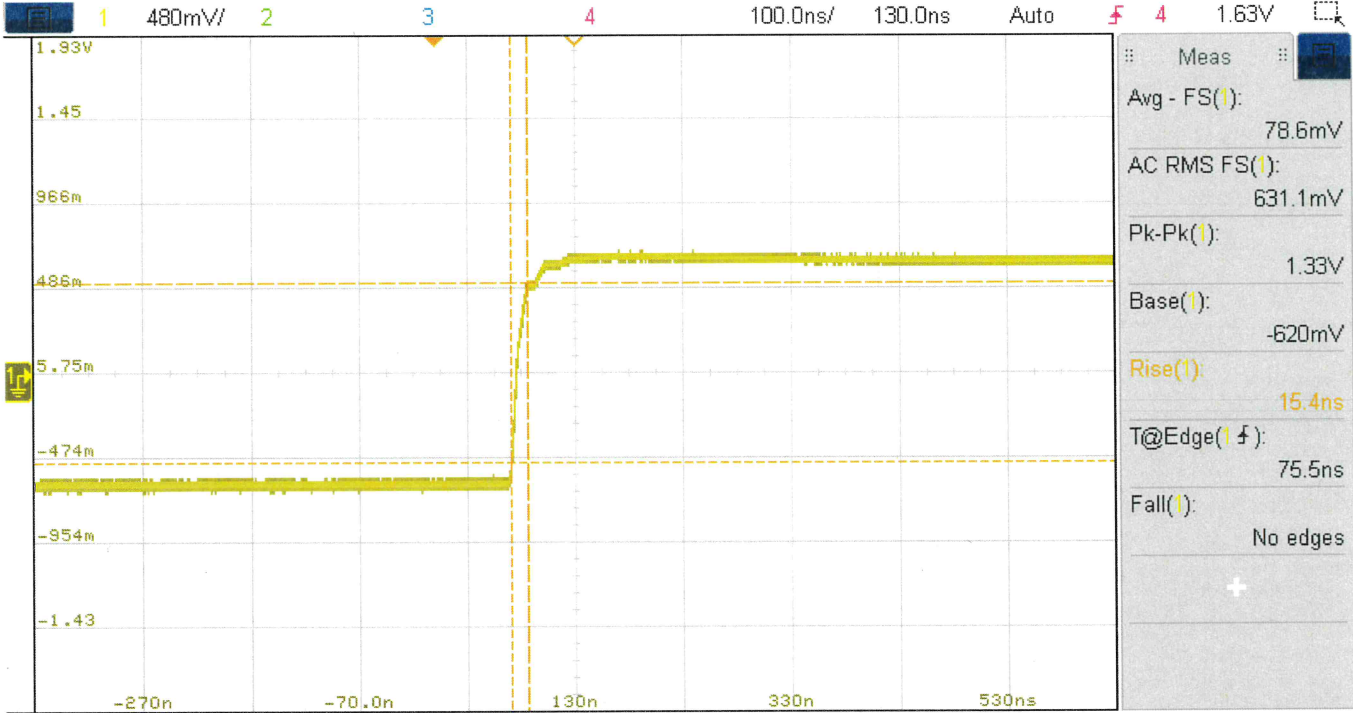
P-Sat



Rise Time



MSO-X 3034T, MY59241076, 07.50.2021102830: wed Aug 20 14:20:27 2025



Measurement Menu

↑ Add Meas Edit Meas Clear Meas Statistics Thresholds Meas Window Auto Select

Recovery Time <500ns

