



**Summary Data
For
ERDLVA-2G8G-65-70MV-2**

Customer: _____ Tested By: Dan Almond
 SO No: _____ Temperature: +25°C ,+85C,-10C
 Model No: ERDLVA-2G8G-65-70MV-2 Date 11/14/2025
 Serial No: PL56114/2545 Drawing No: 27650080 Rev: A1

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	2 to 8 GHz	2 to 8 GHz	
2	Input VSWR:	2.3:1 Max	1.30:1	
3	Input Power Max:	(1) 1 W CW (2) 100 W Peak @ PW = 1 us & Duty Cycle = 1%	Pass	
4	Switch Isolation:	60 dB Min (All Ports)	>60dB	
5	Switching Speed:	100 ns Max	<100ns	

7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
 Email: sales@quanticpmi.com

**Summary Data
For
ERDLVA-2G8G-65-70MV-2**

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
6	TSS:	-71 dBm	-73 dBm	
7	Dynamic Range:	-65 to 0 dBm	-65 to 0 dBm	
8	Log Slope:	70 mV/dB ±3 mV/dB	69.79/70.11mV/dB	
9	Log Linearity:	±1.0 dB Max	+50/-38dB	
10	Log Accuracy @ 25°C:	±1.25 dB Max	1.14/-1.14dB	
11	Absolute Log Accuracy:	±2.0 dB Max	1.41/-1.37dB	
12	DC Offset:	±70 mV	42mV	
13	Rise Time:	28 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	26.0ns @ 0dbm-See Plots	
14	Fall Time:	300 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	165.0ns @ 0dbm-See Plots	
15	Settling Time:	50 ns Max (From 10% to within 70 mV of final value @ -40 & -10 dBm)	<60ns See Plots	
16	Recovery Time:	1 us Max (From 90% to within ±1.5 dB of baseline)	< 700ns	
17	Video Frequency Flatness:	±1.25 dB Max @ 25°C	±1.00 dB Max @ 25°C	
18	Pulse Width Process Range:	100 ns to 100 us	100 ns to 100 us	
19	Video Output Load Impedance:	95 ±1 Ω	95 Ω	

7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-2G8G-65-70MV-2

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
20	Video Output @ -65 dBm:	330 ± 88 mV Over Frequency	341/260mV	PM QA
21	Video Output Drive Capability:	Driving 100 ft RG180 into 95 Ω Load	Pass	
22	Pulse Density Capability:	10% Duty @ 100 ns PW 70% Duty @ 100 us PW	Pass	
23	Noise Level:	20 mV RMS Max	14.29mV	
24	Pulse Droop @ -65 dBm:	70 mV Max for PW 100 us	< 70mV	
25	Propagation Delay:	50 ns Max (50% RF to 10% Video)	< 50ns	
26	CW Immune Power:	TSS to -40 dBm	TSS to -40 dBm	
27	Baseline Shift:	200 mV Max @ -40 dBm CW	< 200mV	
28	Pulse Amplitude Loss with Pulse @ -30 dBm:	CW @ -50 dBm = No Loss CW @ -40 dBm = 2 dB Max	Pass	
29	CW Immue Time @ CW = -40 dBm	4 ms Max	2.4 ms	
30	CW Recovery Time @ CW = -40 dBm	120 us Max	< 100us	
31	DC Power:	+15V (±5%) @ 500 mA Max -15V (±5%) @ 200 mA Max	500 mA 140 mA	
32	Ripple DC to 10 MHz	100 mV Max	< 100mV	

QA/QC Approval: K. Klamm Date: 10.31.25

7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 11-12-25
 SERIAL NO: PL56114-RF

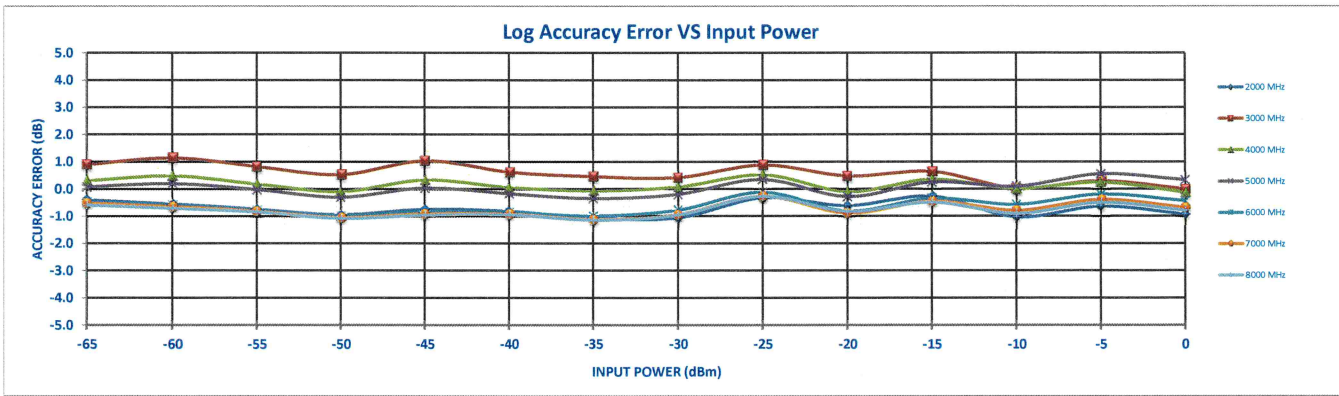
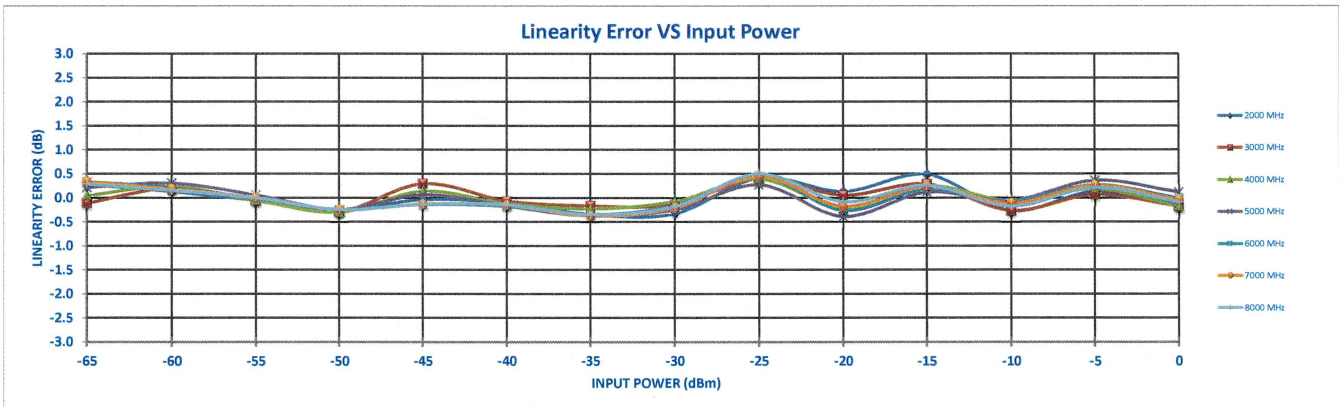
Test Temp: +25C



PLANAR MONOLITHICS INDUSTRIES
 4921 Robert J. Mathews Parkway STE 1
 TEL: 916-542-1401 FAX: 301-662-1731
 EMAIL: SALES@PMI-RF.COM
 ISO 9001:2000 CERTIFIED

DC Offset= 0.042

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
2000 MHz	INTERCEPT (mV)	4760.8	257	595	930	1264	1627	1970	2301	2650	3050	3378	3751	4046	4422	4750	Measured Value (mV)
	SLOPE (mV/dB)	69.58	19	9	-4	-18	-3	-7	-24	-23	29	9	34	-19	9	-11	Error (mV)
			0.27	0.13	-0.05	-0.25	-0.04	-0.11	-0.35	-0.34	0.41	0.13	0.49	-0.27	0.13	-0.16	LINEARITY ERROR (dB)
			-0.40	-0.55	-0.74	-0.95	-0.74	-0.82	-1.07	-1.06	-0.32	-0.62	-0.27	-1.03	-0.64	-0.93	ACCURACY ERROR (dB)
3000 MHz	INTERCEPT (mV)	4826.4	347	713	1039	1367	1751	2070	2407	2753	3134	3454	3814	4120	4487	4814	Measured Value (mV)
	SLOPE (mV/dB)	68.79	-8	14	-4	-20	20	-5	-12	-10	27	3	19	-18	5	-12	Error (mV)
			-0.12	0.20	-0.06	-0.29	0.29	-0.07	-0.17	-0.14	0.40	0.05	0.28	-0.27	0.07	-0.18	LINEARITY ERROR (dB)
			0.89	1.14	0.82	0.53	1.04	0.61	0.45	0.41	0.88	0.47	0.64	0.03	0.30	-0.01	ACCURACY ERROR (dB)
4000 MHz	INTERCEPT (mV)	4818.6	306	667	994	1324	1702	2031	2371	2729	3109	3414	3794	4119	4484	4806	Measured Value (mV)
	SLOPE (mV/dB)	69.47	3	17	-4	-21	10	-9	-16	-5	27	-15	17	-5	13	-13	Error (mV)
			0.05	0.24	-0.05	-0.30	0.14	-0.12	-0.23	-0.08	0.39	-0.22	0.25	-0.07	0.18	-0.18	LINEARITY ERROR (dB)
			0.30	0.48	0.17	-0.09	0.33	0.05	-0.07	0.07	0.52	-0.10	0.35	0.02	0.25	-0.13	ACCURACY ERROR (dB)
5000 MHz	INTERCEPT (mV)	4830	290	647	980	1309	1681	2015	2351	2710	3097	3401	3787	4125	4505	4838	Measured Value (mV)
	SLOPE (mV/dB)	70.07	15	21	4	-17	4	-12	-26	-18	19	-27	8	-4	25	8	Error (mV)
			0.21	0.31	0.06	-0.25	0.06	-0.17	-0.38	-0.25	0.27	-0.39	0.12	-0.06	0.36	0.11	LINEARITY ERROR (dB)
			0.07	0.19	-0.03	-0.31	0.03	-0.18	-0.35	-0.20	0.35	-0.29	0.25	0.10	0.55	0.33	ACCURACY ERROR (dB)
6000 MHz	INTERCEPT (mV)	4784.8	251	593	928	1262	1620	1968	2306	2670	3064	3364	3746	4078	4453	4784	Measured Value (mV)
	SLOPE (mV/dB)	70.11	23	15	-1	-17	-10	-12	-25	-11	32	-19	13	-6	19	-1	Error (mV)
			0.33	0.21	-0.01	-0.25	-0.14	-0.18	-0.36	-0.16	0.46	-0.27	0.18	-0.08	0.27	-0.01	LINEARITY ERROR (dB)
			-0.49	-0.58	-0.77	-0.98	-0.84	-0.85	-1.00	-0.78	-0.12	-0.82	-0.34	-0.57	-0.19	-0.44	ACCURACY ERROR (dB)
7000 MHz	INTERCEPT (mV)	4770.3	249	588	925	1257	1615	1963	2297	2658	3054	3359	3738	4063	4439	4767	Measured Value (mV)
	SLOPE (mV/dB)	69.92	23	13	0	-17	-9	-11	-26	-15	32	-13	16	-8	18	-3	Error (mV)
			0.33	0.18	0.00	-0.25	-0.13	-0.15	-0.37	-0.21	0.45	-0.19	0.24	-0.12	0.26	-0.05	LINEARITY ERROR (dB)
			-0.52	-0.65	-0.82	-1.05	-0.92	-0.92	-1.13	-0.95	-0.27	-0.89	-0.45	-0.79	-0.39	-0.69	ACCURACY ERROR (dB)
8000 MHz	INTERCEPT (mV)	4766.4	244	584	923	1255	1612	1961	2296	2657	3054	3363	3736	4055	4432	4760	Measured Value (mV)
	SLOPE (mV/dB)	69.88	20	11	0	-17	-10	-10	-24	-13	35	-6	18	-13	15	-6	Error (mV)
			0.29	0.15	0.00	-0.25	-0.14	-0.14	-0.35	-0.18	0.50	-0.08	0.26	-0.18	0.22	-0.09	LINEARITY ERROR (dB)
			-0.59	-0.71	-0.85	-1.08	-0.96	-0.95	-1.14	-0.96	-0.27	-0.83	-0.48	-0.90	-0.49	-0.79	ACCURACY ERROR (dB)
Flatness		+/- dB	0.74	0.93	0.83	0.80	1.00	0.78	0.80	0.74	0.60	0.68	0.56	0.57	0.60	0.63	
-65dBm mV-Out			347	Max		244	Min										



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 11-12-25
 SERIAL NO: PL56114-RF

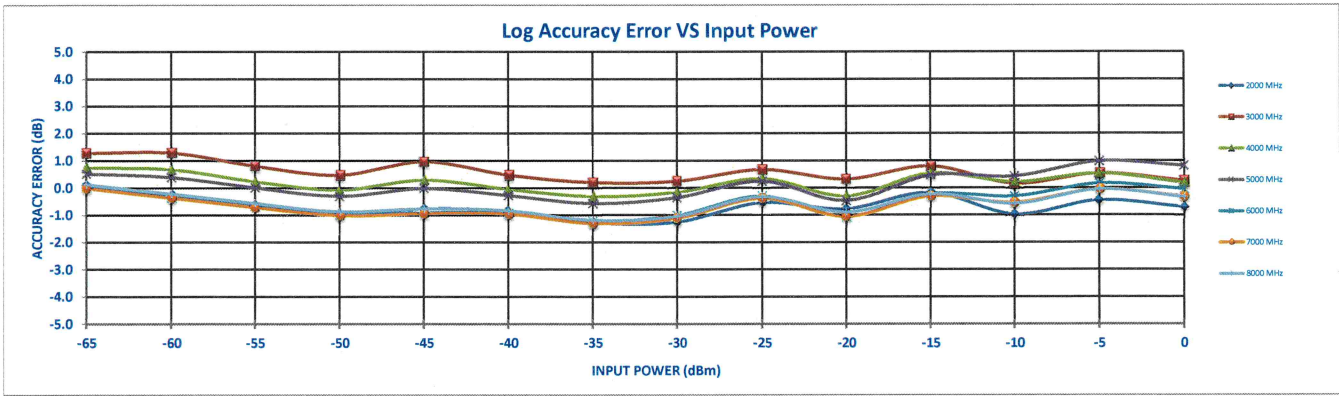
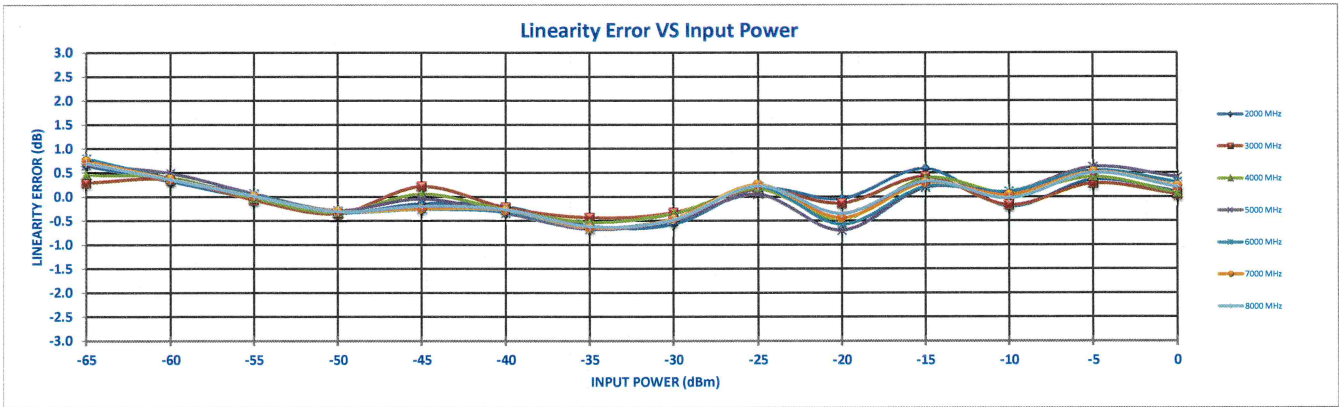
Test Temp: -10C



PLANAR MONOLITHICS INDUSTRIES
 4921 Robert J. Mathews Parkway STE 1
 TEL: 916-542-1401 FAX: 301-662-1731
 EMAIL: SALES@PMI-RF.COM
 ISO 9001:2000 CERTIFIED

DC Offset= 0.050

Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
2000 MHz	INTERCEPT (mV)	4758.8														Measured Value (mV)
	SLOPE (mV/dB)	69.89														Error (mV)
		261	588	912	1241	1604	1949	2270	2622	3023	3358	3751	4046	4434	4766	LINEARITY ERROR (dB)
		45	22	-3	-23	-10	-14	-43	-40	11	-3	40	-14	25	7	ACCURACY ERROR (dB)
		0.64	0.32	-0.04	-0.34	-0.14	-0.21	-0.61	-0.58	0.16	-0.04	0.58	-0.20	0.35	0.10	
		0.10	-0.24	-0.63	-0.94	-0.77	-0.85	-1.28	-1.26	-0.55	-0.78	-0.18	-0.97	-0.45	-0.72	
3000 MHz	INTERCEPT (mV)	4830.5														Measured Value (mV)
	SLOPE (mV/dB)	69.34														Error (mV)
		343	695	1012	1339	1725	2041	2373	2727	3108	3434	3819	4125	4503	4834	LINEARITY ERROR (dB)
		20	25	-5	-25	15	-16	-31	-23	11	-10	29	-12	19	3	ACCURACY ERROR (dB)
		0.28	0.36	-0.07	-0.35	0.21	-0.23	-0.44	-0.34	0.16	-0.14	0.41	-0.18	0.28	0.05	
		1.27	1.28	0.80	0.46	0.96	0.46	0.19	0.23	0.66	0.31	0.79	0.15	0.54	0.25	
4000 MHz	INTERCEPT (mV)	4824														Measured Value (mV)
	SLOPE (mV/dB)	70.00														Error (mV)
		306	652	972	1301	1678	2005	2337	2699	3085	3391	3801	4129	4503	4829	LINEARITY ERROR (dB)
		32	25	-2	-23	4	-19	-37	-25	11	-33	27	5	29	5	ACCURACY ERROR (dB)
		0.45	0.40	-0.03	-0.33	0.05	-0.27	-0.53	-0.36	0.16	-0.47	0.38	0.07	0.41	0.07	
		0.74	0.67	0.23	-0.08	0.29	-0.05	-0.32	-0.16	0.33	-0.31	0.54	0.21	0.54	0.18	
5000 MHz	INTERCEPT (mV)	4844.3														Measured Value (mV)
	SLOPE (mV/dB)	70.78														Error (mV)
		290	632	956	1285	1656	1989	2319	2685	3078	3379	3796	4144	4534	4873	LINEARITY ERROR (dB)
		46	34	4	-20	-3	-24	-48	-36	3	-50	13	8	44	29	ACCURACY ERROR (dB)
		0.65	0.49	0.06	-0.29	-0.05	-0.34	-0.68	-0.51	0.04	-0.70	0.19	0.11	0.62	0.41	
		0.51	0.39	0.00	-0.31	-0.03	-0.28	-0.58	-0.36	0.23	-0.48	0.46	0.42	0.98	0.81	
6000 MHz	INTERCEPT (mV)	4791.8														Measured Value (mV)
	SLOPE (mV/dB)	70.66														Error (mV)
		255	579	908	1237	1594	1943	2273	2639	3040	3338	3747	4093	4477	4813	LINEARITY ERROR (dB)
		56	27	2	-22	-18	-23	-46	-33	15	-41	15	8	39	21	ACCURACY ERROR (dB)
		0.79	0.38	0.03	-0.31	-0.26	-0.32	-0.65	-0.47	0.21	-0.58	0.21	0.11	0.55	0.30	
		0.01	-0.37	-0.68	-0.99	-0.91	-0.94	-1.23	-1.02	-0.31	-1.06	-0.23	-0.30	0.17	-0.05	
7000 MHz	INTERCEPT (mV)	4777.9														Measured Value (mV)
	SLOPE (mV/dB)	70.43														Error (mV)
		252	578	905	1235	1591	1941	2267	2632	3034	3338	3742	4076	4462	4793	LINEARITY ERROR (dB)
		52	26	1	-22	-18	-20	-46	-33	17	-31	21	2	36	15	ACCURACY ERROR (dB)
		0.74	0.37	0.01	-0.31	-0.25	-0.28	-0.65	-0.47	0.24	-0.45	0.29	0.03	0.51	0.21	
		-0.03	-0.38	-0.72	-1.02	-0.95	-0.96	-1.32	-1.12	-0.39	-1.06	-0.30	-0.55	-0.05	-0.33	
8000 MHz	INTERCEPT (mV)	4778.3														Measured Value (mV)
	SLOPE (mV/dB)	70.23														Error (mV)
		262	589	916	1245	1604	1950	2276	2637	3038	3349	3747	4074	4462	4792	LINEARITY ERROR (dB)
		49	25	0	-22	-14	-19	-44	-34	15	-25	22	-2	35	14	ACCURACY ERROR (dB)
		0.69	0.35	0.01	-0.31	-0.20	-0.27	-0.63	-0.49	0.22	-0.35	0.32	-0.03	0.50	0.19	
		0.11	-0.23	-0.57	-0.88	-0.77	-0.84	-1.19	-1.05	-0.34	-0.90	-0.23	-0.57	-0.05	-0.35	
Flatness	+/- dB	0.65	0.83	0.76	0.74	0.95	0.71	0.76	0.75	0.61	0.68	0.55	0.70	0.71	0.76	
-65dBm mV-Out	343 Max	252 Min														



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 11-12-25
 SERIAL NO: PL56114-RF

Test Temp: +85C



PLANAR MONOLITHICS INDUSTRIES
 4921 Robert J. Mathews Parkway STE 1
 TEL: 916-542-1401 FAX: 301-662-1731
 EMAIL: SALES@PMI-RF.COM
 ISO 9001:2000 CERTIFIED

DC Offset= 0.055

Frequency

2000 MHz	INTERCEPT (mV)	4837.4
	SLOPE (mV/dB)	69.95

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
257	626	993	1329	1701	2058	2396	2743	3141	3466	3811	4115	4472	4790	
-34	-15	3	-11	11	18	7	4	52	28	23	-23	-16	-47	
-0.48	-0.21	0.04	-0.16	0.16	0.26	0.10	0.06	0.75	0.39	0.33	-0.33	-0.22	-0.68	
-1.19	-0.90	-0.64	-0.82	-0.49	-0.37	-0.53	-0.56	0.15	-0.19	-0.25	-0.89	-0.77	-1.21	

RF Input Power (dBm)

Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

3000 MHz	INTERCEPT (mV)	4890.8
	SLOPE (mV/dB)	68.74

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
355	765	1112	1441	1834	2163	2502	2843	3224	3539	3867	4181	4529	4841	
-68	-2	2	-13	36	22	17	14	52	23	7	-22	-18	-50	
-0.99	-0.02	0.02	-0.19	0.53	0.32	0.25	0.21	0.75	0.33	0.11	-0.33	-0.26	-0.72	
0.22	1.09	1.07	0.78	1.41	1.13	0.99	0.88	1.34	0.85	0.56	0.06	0.04	-0.48	

Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

4000 MHz	INTERCEPT (mV)	4871.7
	SLOPE (mV/dB)	69.54

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
300	693	1050	1381	1764	2109	2452	2805	3188	3491	3837	4161	4512	4821	
-52	-6	3	-14	22	19	14	19	55	10	8	-15	-12	-51	
-0.74	-0.09	0.04	-0.20	0.31	0.27	0.20	0.28	0.79	0.14	0.12	-0.22	-0.17	-0.73	
-0.57	0.06	0.18	-0.08	0.41	0.36	0.27	0.33	0.82	0.17	0.13	-0.23	-0.20	-0.77	

Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

5000 MHz	INTERCEPT (mV)	4882
	SLOPE (mV/dB)	69.89

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
291	689	1046	1376	1757	2100	2443	2801	3183	3488	3834	4169	4526	4846	
-48	0	8	-12	20	14	7	16	48	4	0	-14	-7	-36	
-0.69	0.00	0.11	-0.17	0.29	0.19	0.10	0.22	0.69	0.05	0.00	-0.20	-0.09	-0.52	
-0.70	0.00	0.12	-0.15	0.31	0.23	0.14	0.28	0.75	0.12	0.08	-0.12	0.00	-0.41	

Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

6000 MHz	INTERCEPT (mV)	4843.2
	SLOPE (mV/dB)	70.18

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
249	616	988	1325	1691	2052	2395	2758	3150	3450	3799	4120	4480	4802	
-33	-17	4	-9	6	16	8	20	61	10	8	-21	-12	-41	
-0.47	-0.24	0.06	-0.13	0.08	0.23	0.11	0.29	0.87	0.15	0.12	-0.31	-0.18	-0.59	
-1.30	-1.04	-0.71	-0.88	-0.64	-0.46	-0.54	-0.34	0.28	-0.42	-0.42	-0.82	-0.66	-1.04	

Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

7000 MHz	INTERCEPT (mV)	4833
	SLOPE (mV/dB)	69.97

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
250	617	989	1327	1692	2049	2391	2752	3143	3450	3794	4112	4469	4789	
-35	-18	5	-7	8	15	7	18	59	16	11	-21	-14	-44	
-0.50	-0.25	0.06	-0.10	0.11	0.21	0.10	0.26	0.85	0.24	0.15	-0.30	-0.20	-0.63	
-1.29	-1.03	-0.70	-0.85	-0.62	-0.50	-0.60	-0.43	0.18	-0.42	-0.49	-0.93	-0.82	-1.23	

Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

8000 MHz	INTERCEPT (mV)	4822.5
	SLOPE (mV/dB)	70.10

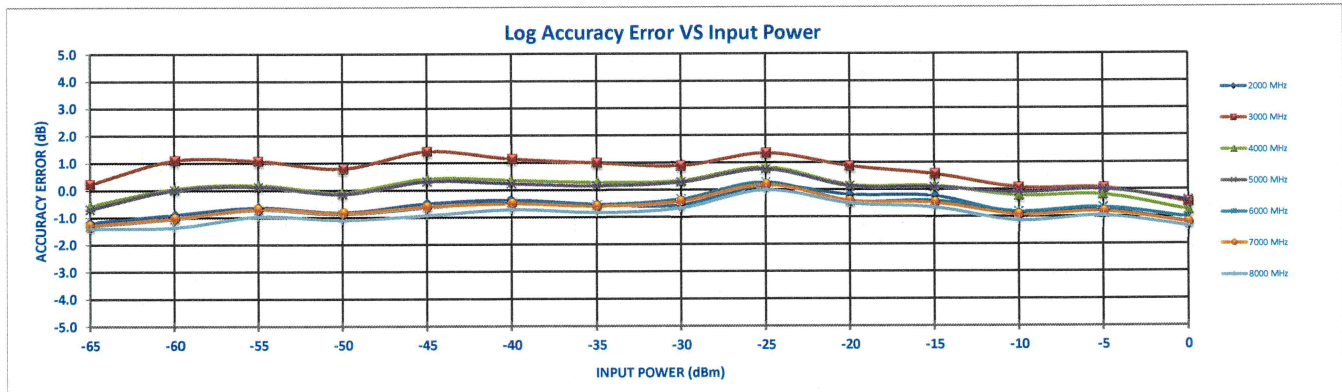
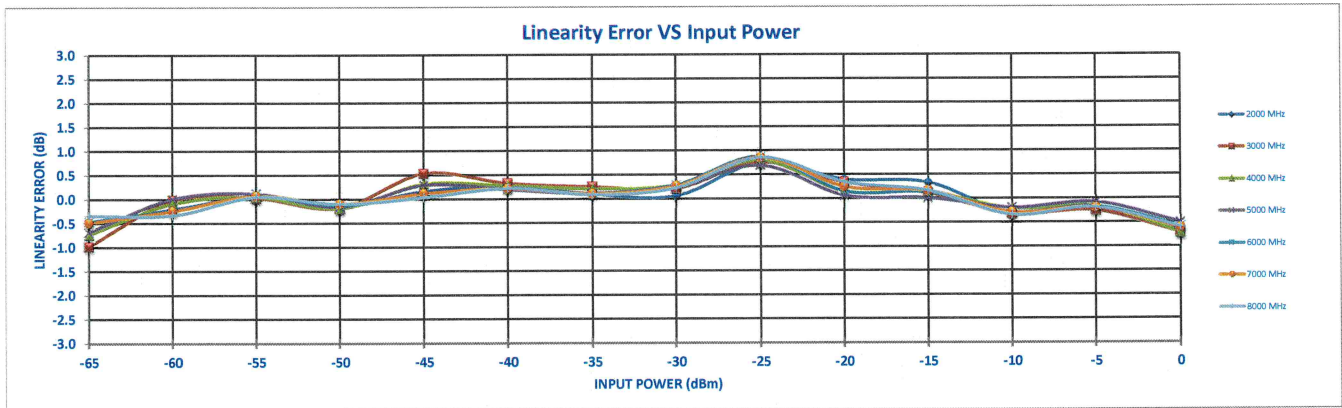
	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
242	593	970	1310	1670	2034	2375	2735	3130	3444	3782	4097	4458	4780	
-24	-24	3	-8	2	15	6	15	60	23	11	-25	-14	-42	
-0.34	-0.34	0.04	-0.11	0.03	0.22	0.09	0.22	0.86	0.34	0.16	-0.35	-0.20	-0.61	
-1.40	-1.37	-0.97	-1.10	-0.94	-0.72	-0.83	-0.67	-0.01	-0.51	-0.66	-1.15	-0.97	-1.36	

Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

Flatness	+/- dB
----------	--------

0.81	1.23	1.02	0.94	1.18	0.92	0.91	0.77	0.67	0.68	0.61	0.60	0.51	0.47
------	------	------	------	------	------	------	------	------	------	------	------	------	------

-65dBm mV-Out	355	Max
	242	Min



LOG TRANSFER WITH FREQUENCY
 MODEL: ERLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 11-12-25
 SERIAL NO: PL56114-Bit

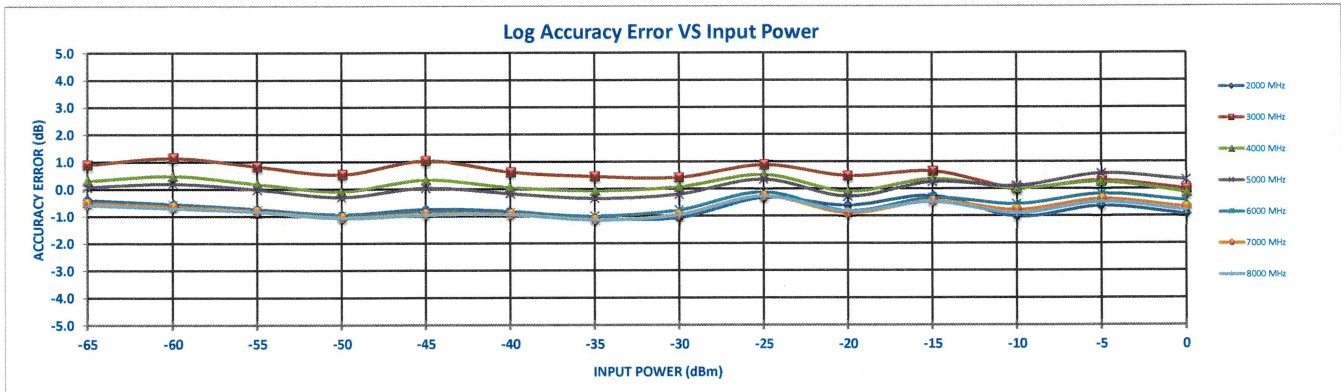
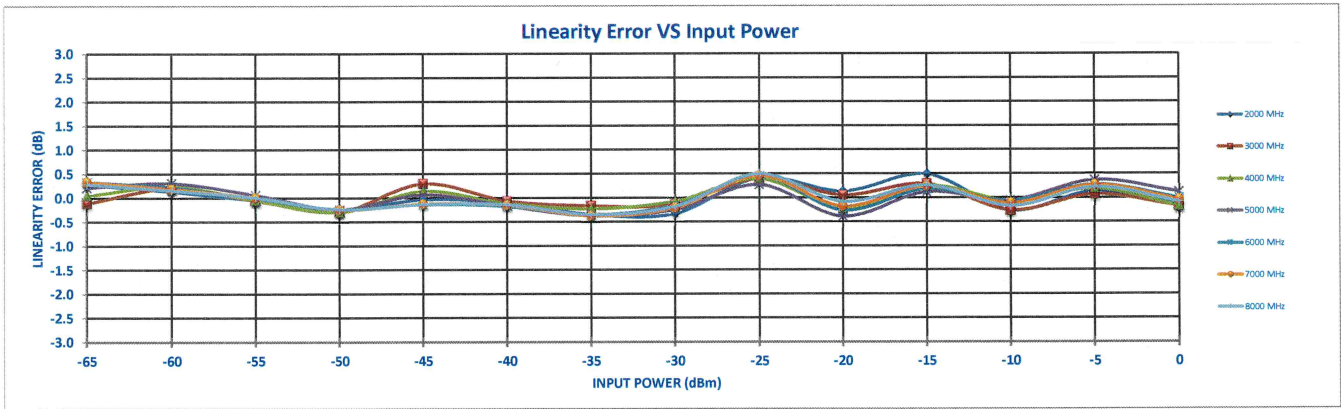
Test Temp: +25C



PLANAR MONOLITHICS INDUSTRIES
 4921 Robert J. Mathews Parkway STE 1
 TEL: 916-542-1401 FAX: 301-662-1731
 EMAIL: SALES@PMI-RF.COM
 ISO 9001:2000 CERTIFIED

DC Offset= 0.042

Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
2000 MHz	INTERCEPT (mV)	4760.8														Measured Value (mV)
	SLOPE (mV/dB)	69.58														Error (mV)
		257	595	930	1264	1627	1970	2301	2650	3050	3378	3751	4046	4422	4750	LINEARITY ERROR (dB)
		19	9	-4	-18	-3	-7	-24	-23	29	9	34	-19	9	-11	ACCURACY ERROR (dB)
		0.27	0.13	-0.05	-0.25	-0.04	-0.11	-0.35	-0.34	0.41	0.13	0.49	-0.27	0.13	-0.16	
		-0.40	-0.55	-0.74	-0.95	-0.74	-0.82	-1.07	-1.06	-0.32	-0.62	-0.27	-1.03	-0.64	-0.93	
3000 MHz	INTERCEPT (mV)	4826.4														Measured Value (mV)
	SLOPE (mV/dB)	68.79														Error (mV)
		347	713	1039	1367	1751	2070	2407	2753	3134	3454	3814	4120	4487	4814	LINEARITY ERROR (dB)
		-8	14	-4	-20	20	-5	-12	-10	27	3	19	-18	5	-12	ACCURACY ERROR (dB)
		-0.12	0.20	-0.06	-0.29	0.29	-0.07	-0.17	-0.14	0.40	0.05	0.28	-0.27	0.07	-0.18	
		0.89	1.14	0.82	0.53	1.04	0.61	0.45	0.41	0.88	0.47	0.64	0.03	0.30	-0.01	
4000 MHz	INTERCEPT (mV)	4818.6														Measured Value (mV)
	SLOPE (mV/dB)	69.47														Error (mV)
		306	667	994	1324	1702	2031	2371	2729	3109	3414	3794	4119	4484	4806	LINEARITY ERROR (dB)
		3	17	-4	-21	10	-9	-16	-5	27	-15	17	-5	13	-13	ACCURACY ERROR (dB)
		0.05	0.24	-0.05	-0.30	0.14	-0.12	-0.23	-0.08	0.39	-0.22	0.25	-0.07	0.18	-0.18	
		0.30	0.48	0.17	-0.09	0.33	0.05	-0.07	0.07	0.52	-0.10	0.35	0.02	0.25	-0.13	
5000 MHz	INTERCEPT (mV)	4830														Measured Value (mV)
	SLOPE (mV/dB)	70.07														Error (mV)
		290	647	980	1309	1681	2015	2351	2710	3097	3401	3787	4125	4505	4838	LINEARITY ERROR (dB)
		15	21	4	-17	4	-12	-26	-18	19	-27	8	-4	25	8	ACCURACY ERROR (dB)
		0.21	0.31	0.06	-0.25	0.06	-0.17	-0.38	-0.25	0.27	-0.39	0.12	-0.06	0.36	0.11	
		0.07	0.19	-0.03	-0.31	0.03	-0.18	-0.35	-0.20	0.35	-0.29	0.25	0.10	0.55	0.33	
6000 MHz	INTERCEPT (mV)	4784.8														Measured Value (mV)
	SLOPE (mV/dB)	70.11														Error (mV)
		251	593	928	1262	1620	1968	2306	2670	3064	3364	3746	4078	4453	4784	LINEARITY ERROR (dB)
		23	15	-1	-17	-10	-12	-25	-11	32	-19	13	-6	19	-1	ACCURACY ERROR (dB)
		0.33	0.21	-0.01	-0.25	-0.14	-0.18	-0.36	-0.16	0.46	-0.27	0.18	-0.08	0.27	-0.01	
		-0.49	-0.58	-0.77	-0.98	-0.84	-0.85	-1.00	-0.78	-0.12	-0.82	-0.34	-0.57	-0.19	-0.44	
7000 MHz	INTERCEPT (mV)	4770.3														Measured Value (mV)
	SLOPE (mV/dB)	69.92														Error (mV)
		249	588	925	1257	1615	1963	2297	2658	3054	3359	3738	4063	4439	4767	LINEARITY ERROR (dB)
		23	13	0	-17	-9	-11	-26	-15	32	-13	16	-8	18	-3	ACCURACY ERROR (dB)
		0.33	0.18	0.00	-0.25	-0.13	-0.15	-0.37	-0.21	0.45	-0.19	0.24	-0.12	0.26	-0.05	
		-0.52	-0.65	-0.82	-1.05	-0.92	-0.92	-1.13	-0.95	-0.27	-0.89	-0.45	-0.79	-0.39	-0.69	
8000 MHz	INTERCEPT (mV)	4766.4														Measured Value (mV)
	SLOPE (mV/dB)	69.88														Error (mV)
		244	584	923	1255	1612	1961	2296	2657	3054	3363	3736	4055	4432	4760	LINEARITY ERROR (dB)
		20	11	0	-17	-10	-10	-24	-13	35	-6	18	-13	15	-6	ACCURACY ERROR (dB)
		0.29	0.15	0.00	-0.25	-0.14	-0.14	-0.35	-0.18	0.50	-0.08	0.26	-0.18	0.22	-0.09	
		-0.59	-0.71	-0.85	-1.08	-0.96	-0.95	-1.14	-0.96	-0.27	-0.83	-0.48	-0.90	-0.49	-0.79	
Flatness	+/- dB	0.74	0.93	0.83	0.80	1.00	0.78	0.80	0.74	0.60	0.68	0.56	0.57	0.60	0.63	
-65dBm mV-Out		347	Max	244	Min											



PL 56114
Rise settle @ 0dbm

DSO-X 3024A, MY54490369, Wed Nov 12 13:04:17 2025

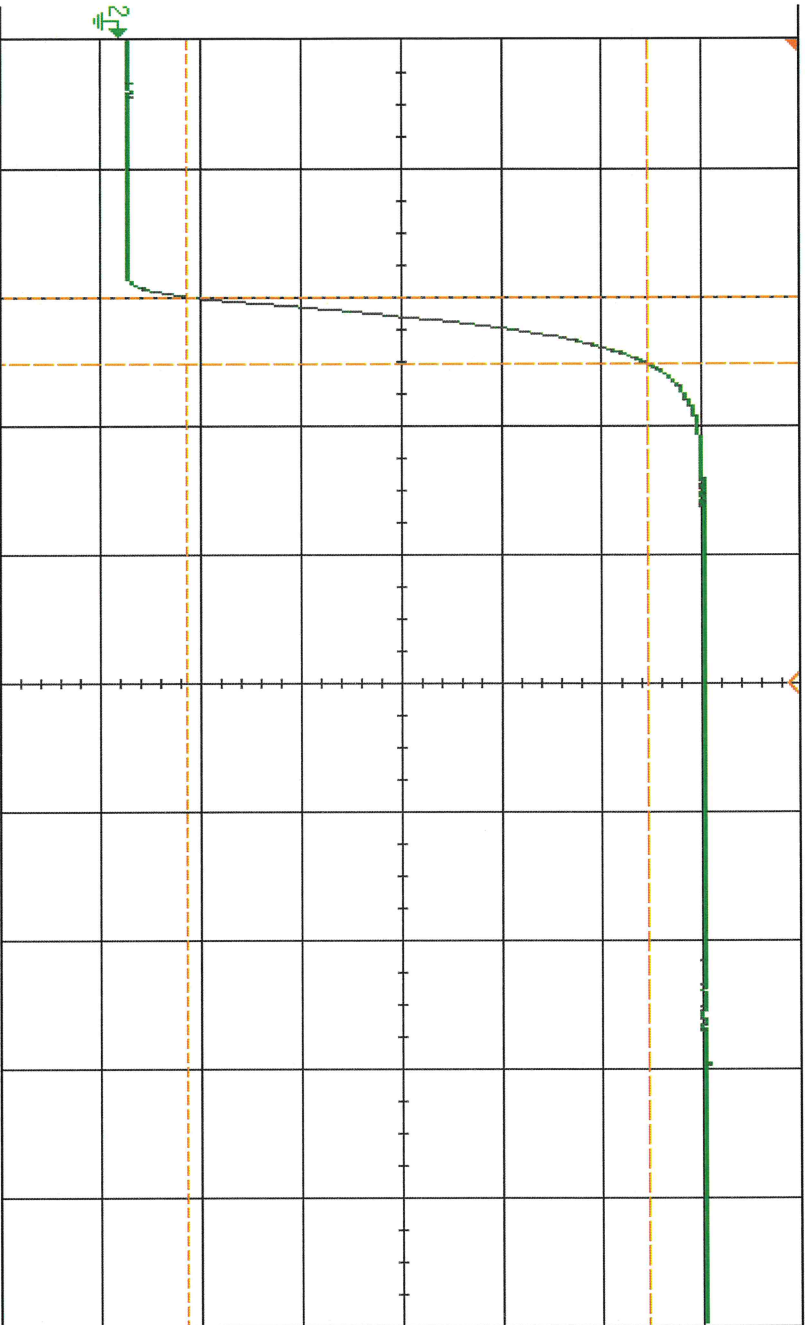
1 2 800V/ 3 4

9.000ms

50.00%/

Auto

F E 3.17V



Measurement Menu

Source 2

Type: Rise

Add Measurement

Settings

Clear Meas

Statistics

KEYSIGHT
TECHNOLOGIES

Acquisition
Averaging: 16
4.00GSa/s

Channels

DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1

Measurements

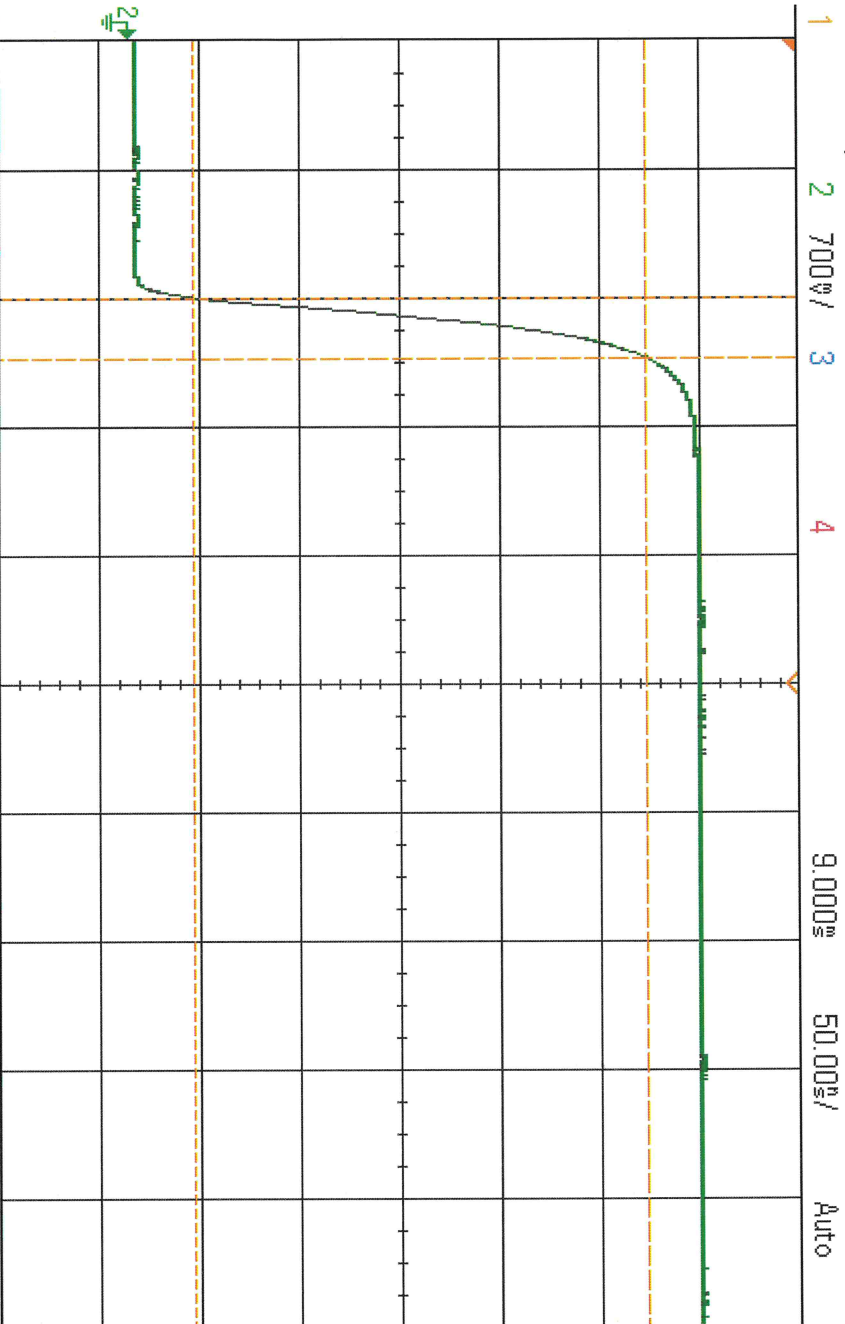
AC RMS - FS(2): 1.8556V

Fall(2): No edges

Rise(2): 26.0ns

PL 56114
 Rise settle @ -15 dbm

DSO-X 3024A, IM54490369, Wed Nov 12 13:05:43 2025



9.000ns 50.00mV Auto 5 E 3.17V

KEYSIGHT TECHNOLOGIES	
Acquisition	4.00GSa/s
Averaging	16
Channels	DC 1.00:1
	DC 1.00:1
	DC 1.00:1
	DC 1.00:1
Measurements	
AC RMS - FS(2)	1.5901V
Fall(2)	No edges
Rise(2)	23.3ns

Measurement Menu

Source 2

Type: Rise

Add Measurement

Settings

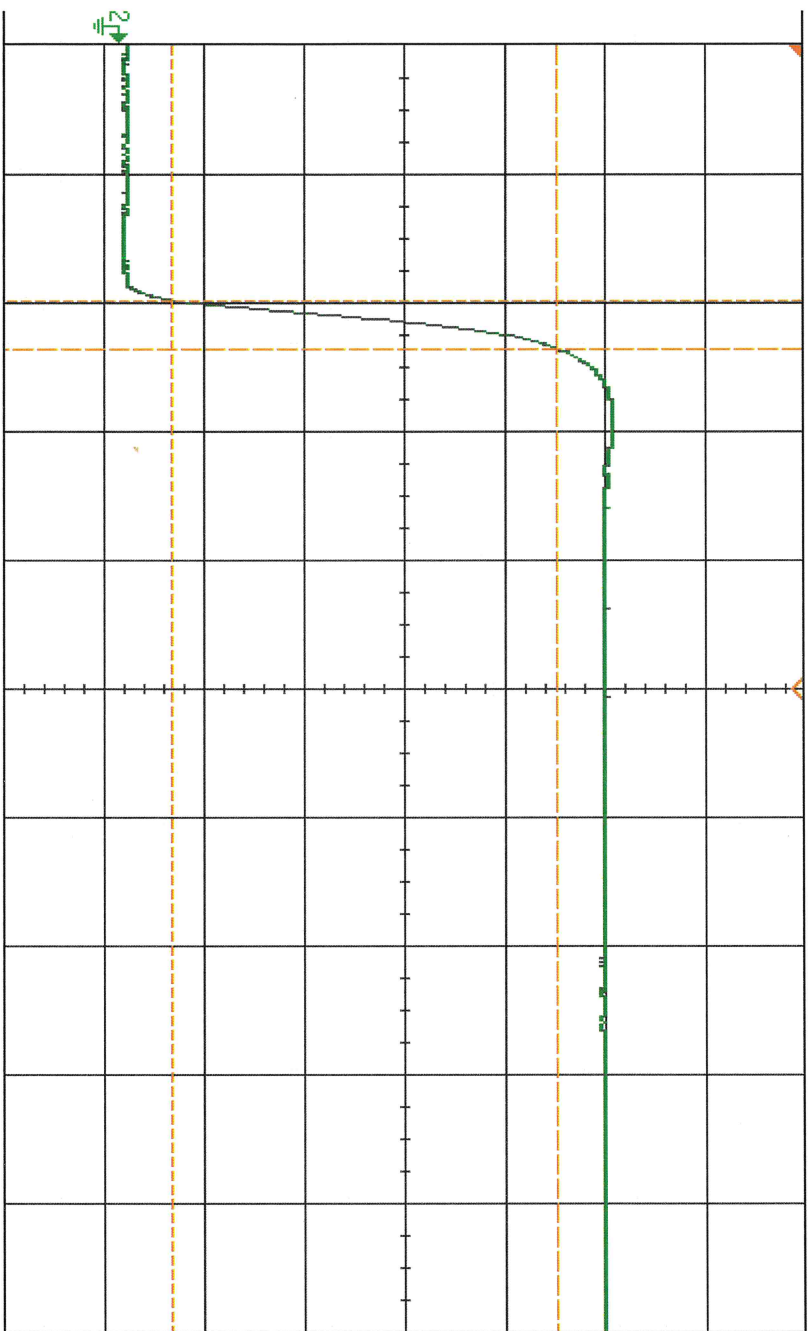
Clear Meas

Statistics

PL56114
 Rise settle @ -40dbm

DSO-X 3024A, MW54490369, Wed Nov 12 13:06:51 2025

1 2 400V/ 3 4 9.000ms 50.00V/ Auto F E 3.17V



Measurement Menu

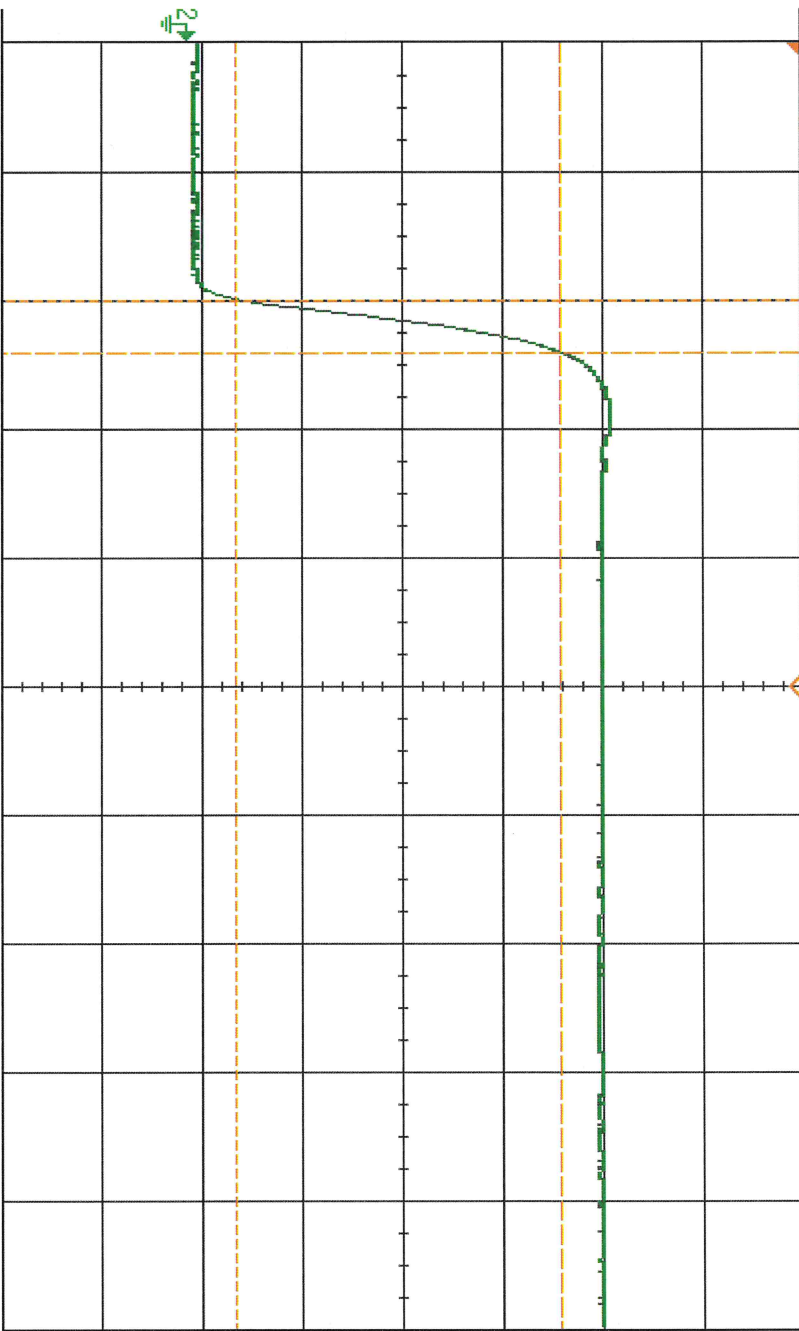
- Source
2
- Type:
Rise
- Add
Measurement
- Settings
- Clear Meas
- Statistics

KEYSIGHT TECHNOLOGIES	
Acquisition	1B
Averaging	16
4.00GSa/s	
Channels	1: 1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1
Measurements	
AC RMS - FS(2):	770.05mV
Fall(2):	No edges
Rise(2):	18.5ns

PL 56114
 Rise settle @ -50dbm

DSO-X 3024A, MW54490369: Wed Nov 12 13:07:22 2025

1 2 300% / 3 4 9.000ns 50.00% / Auto f E 3.17V



Measurement Menu

- Source 2
- Type: Rise
- Add Measurement
- Settings
- Clear Meas
- Statistics

KEYSIGHT TECHNOLOGIES

Acquisition ::
 Averaging: 1B
 4.00GSa/s

Channels ::

DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1

Measurements ::

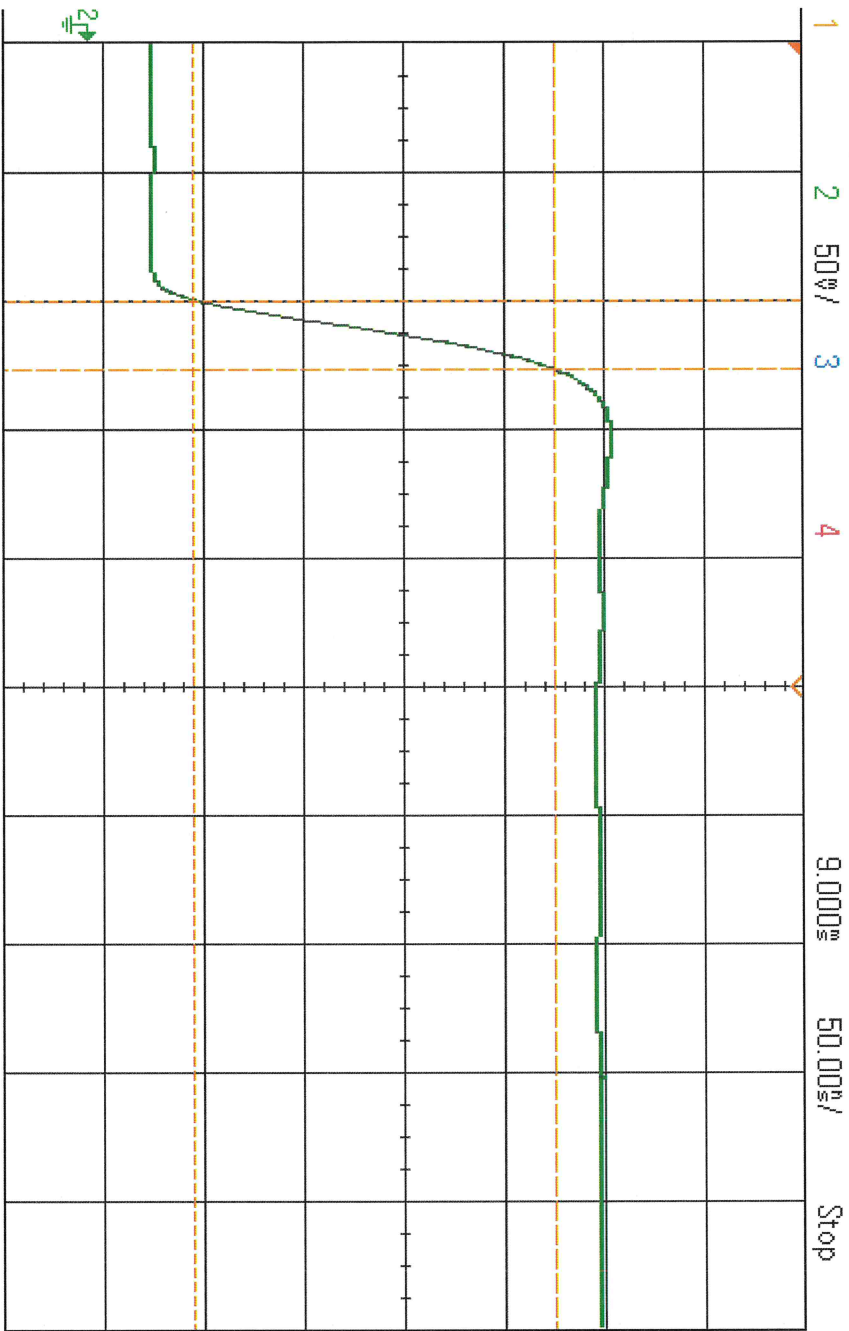
AC RMS - FS(2): 490.37mV

Fall(2): No edges

Rise(2): 20.5ns

PL56114
 Rise settle @ -65dbm

DSO-X 3024A, MW54490369: Wed Nov 12 13:08:27 2025



9.000ns 50.00mV Stop 3.17V

KEYSIGHT
 TECHNOLOGIES

Acquisition
 Averaging: 128
 4.006Sa/s

Channels
 DC 1.00:1
 DC 1.00:1
 DC 1.00:1
 DC 1.00:1

Measurements
 AC RMS - FS(2):
 90.964mV
 Fall(2):
 No edges
 Rise(2):
 26.8ns

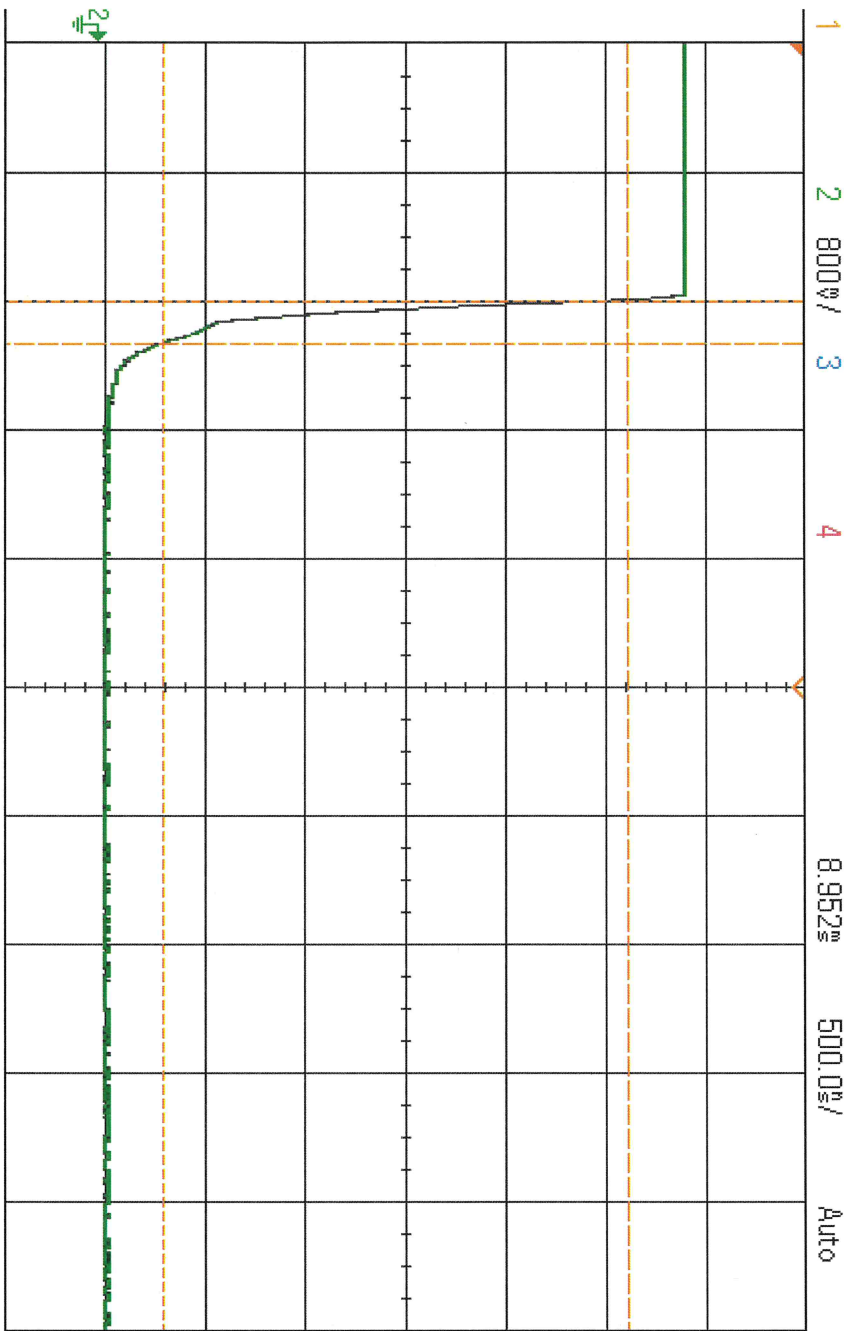
Acquire Menu
 Acq Mode
 Averaging

Avgs
 128

Segmented

PL56114
 Recovery Fall @ 0dbm

DSO-X 3024A, MW54490369, Wed Nov 12 13:12:59 2025



8.952mV 500.0mV/ Auto 5 E 3.17V

KEYSIGHT TECHNOLOGIES

Acquisition ::
 Averaging: 16
 4,000Sa/s

Channels ::

DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1

Measurements ::

Rise(2): No edges

AC RMS - FS(2): 1.8573V

Fall(2): 165.0ns

- Measurement Menu
- Source 2
 - Type: Fall
 - Add Measurement
 - Settings
 - Clear Meas
 - Statistics

PL56114
 Recovery Fall @ -20dBm

DSO-X 3024A, MY54490369, Wed Nov 12 13:13:44 2025

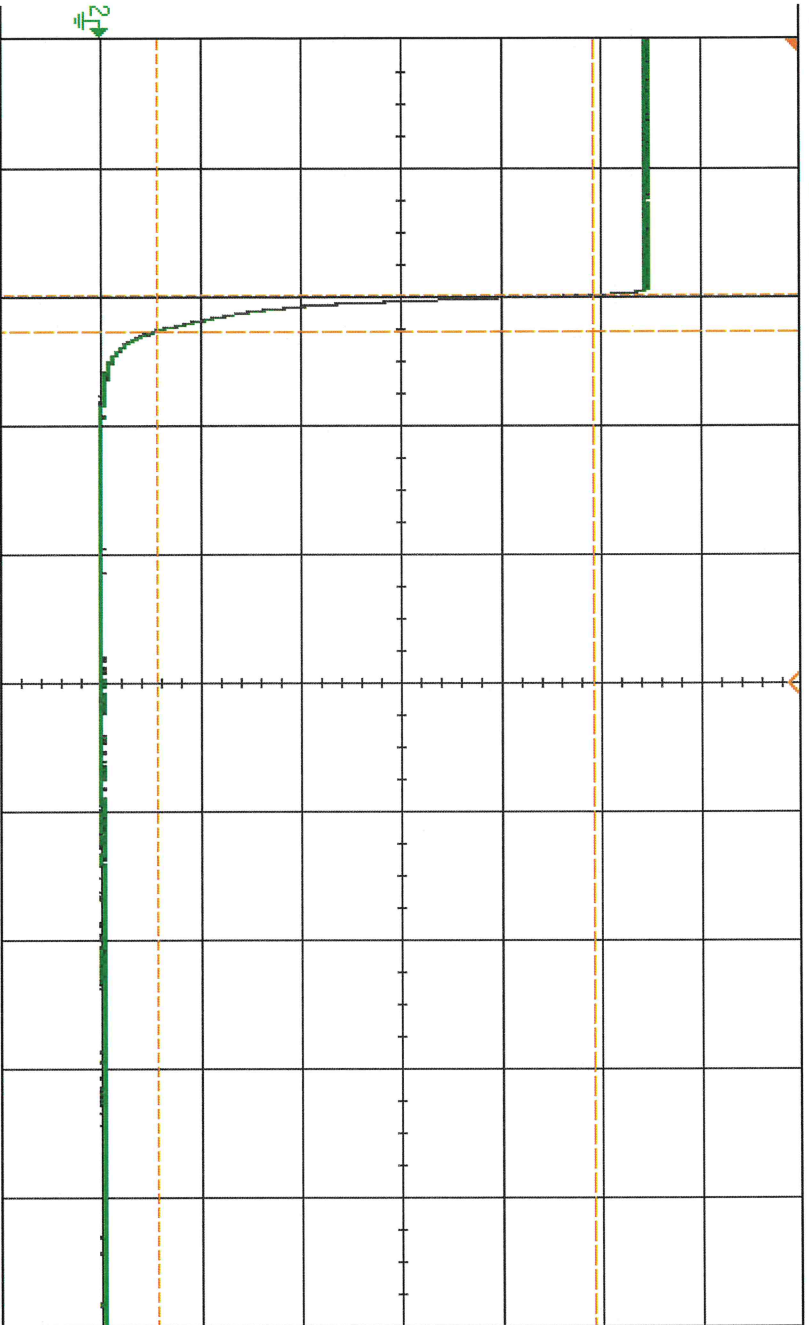
1 2 3 4

8.952 μ s

500.0 μ s/div

Auto

F E 3.17V



Measurement Menu

Source 2

Type: Fall

Add Measurement

Settings

Clear Meas

Statistics

KEYSIGHT
 TECHNOLOGIES

Acquisition
 Averaging: 16
 4.00GSa/s

Channels

DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1

Measurements

Rise(2): No edges

AC RMS - FS(2): 1.3092V

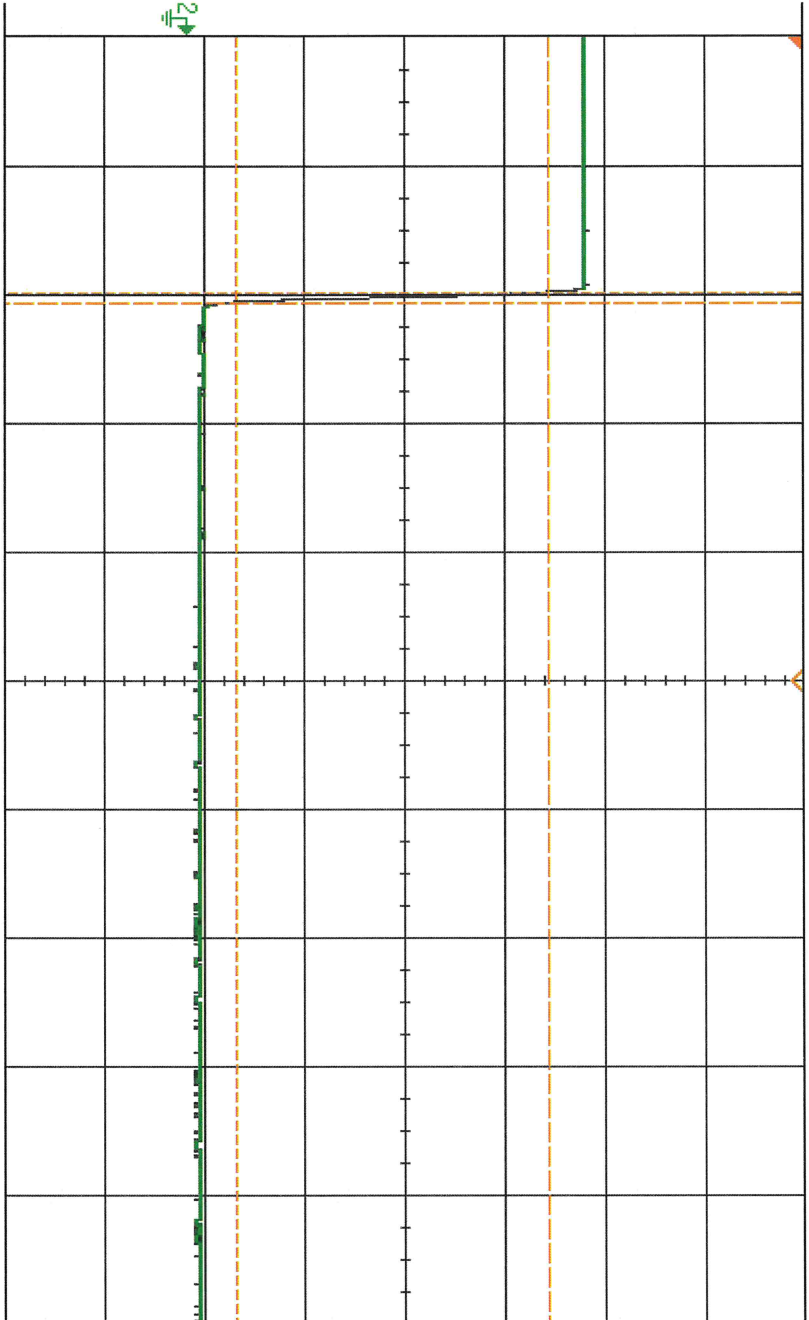
Fall(2): 139.4ns

PL56114
Recovery Fall @ -50dbm

DSO-X 3024A, MY54490369, Wed Nov 12 13:14:19 2025

1 2 300V/ 3 4

8.952ms 500.0ns/ Auto F E 3.17V



Measurement Menu

Source 2

Type: Fall

Add Measurement

Settings

Clear Meas

Statistics

KEYSIGHT
TECHNOLOGIES

Acquisition
Averaging: 16
4.00GSa/s

Channels	
DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1

Measurements

Rise(2): No edges

AC RMS - FS(2): 464.37mV

Fall(2): 38.4ns

PL56114
TSS -23 dBm

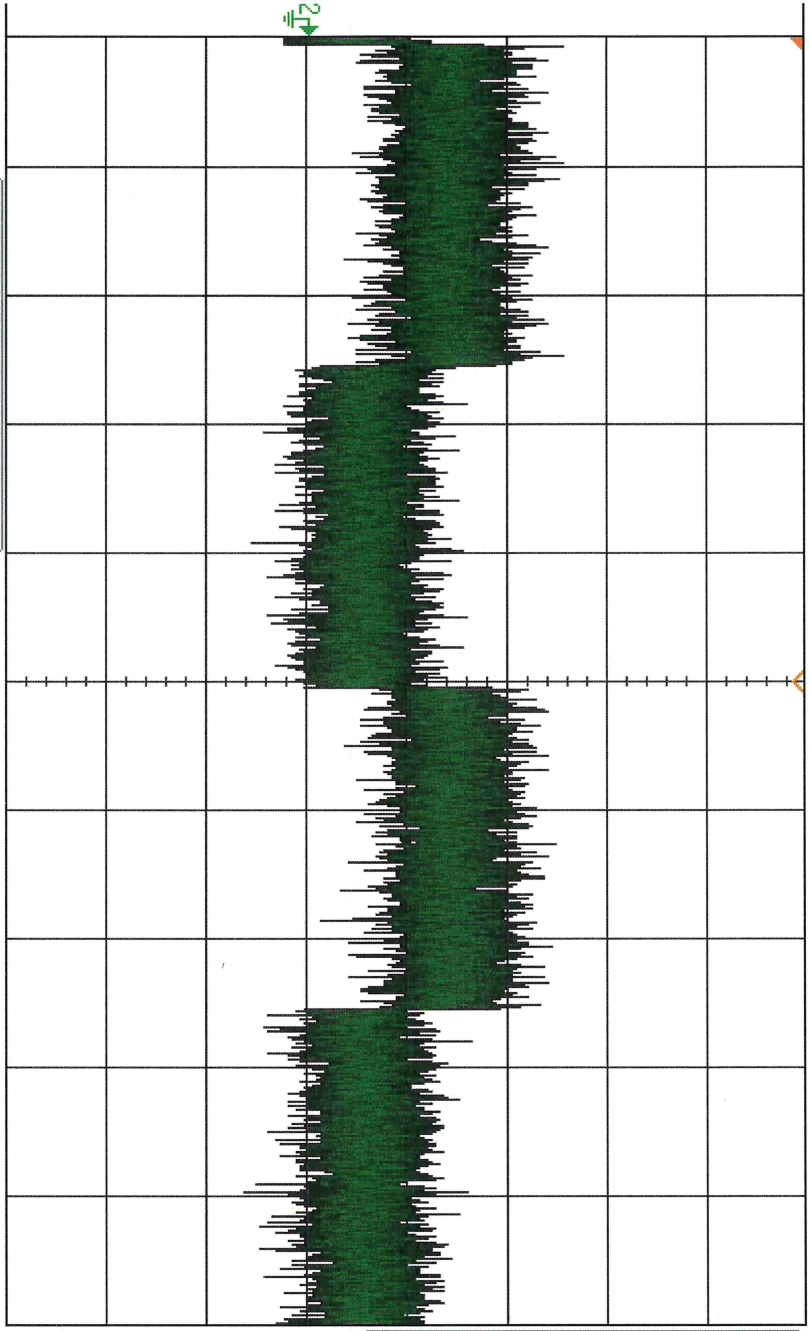
DSO-X 3024A, MW54490389: Tue Nov 11 18:25:57 2025

1 2 3 4

8.999ms 20.00ns/

Auto

F E 3.17V



KEYSIGHT
TECHNOLOGIES

Acquisition
Normal
4.00GSa/s

Channels	
DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1

Save to file = pl56112_tss_73

Save

Recall

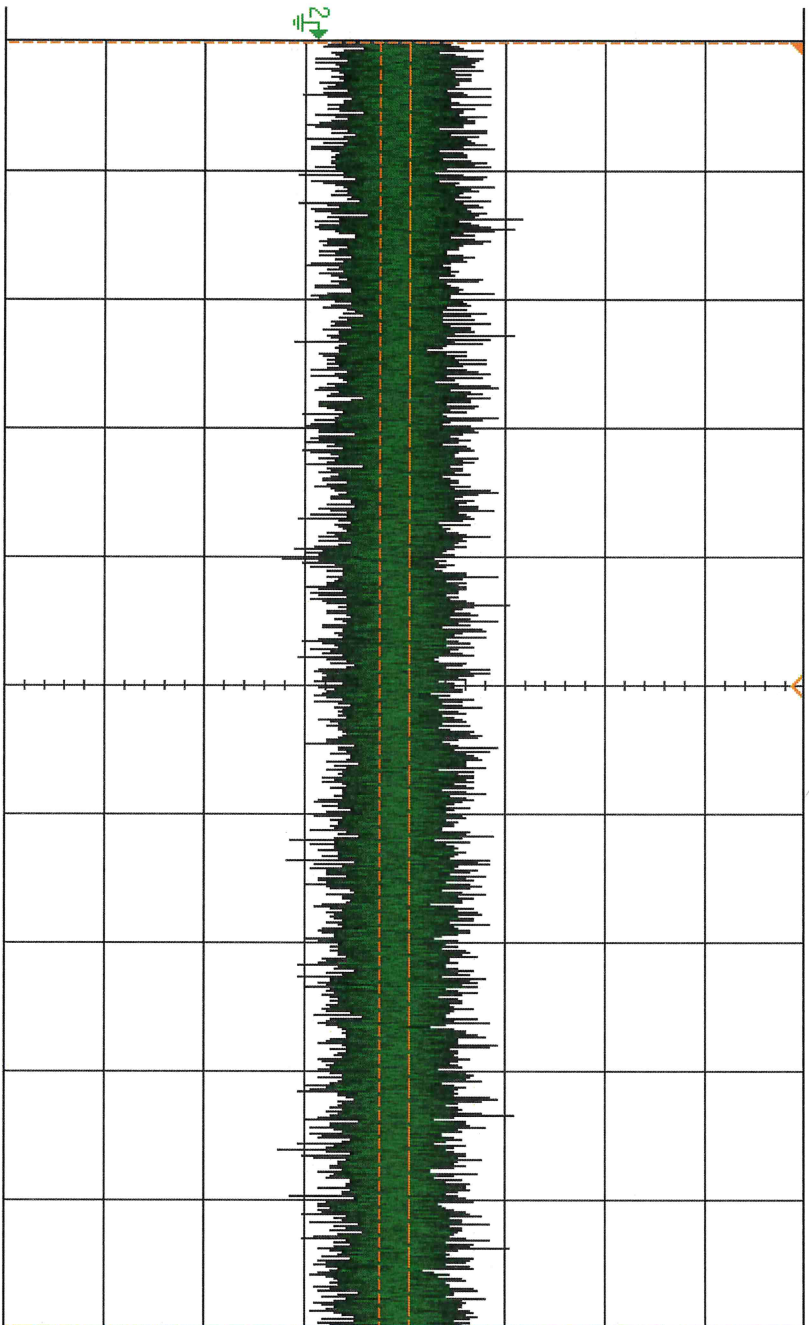
Default/Erase

Press to Save

PL56114
RMS noise

DSO-X 3024A, MY54490369, Wed Nov 12 13:11:20 2025

1 2 50W/ 3 4 9.000m 20.00e/ Auto F E 3.17V



Channels	DC	1.00:1
DC	DC	1.00:1
DC	DC	1.00:1
DC	DC	1.00:1
Measurements	Fall(2):	59ns
	Rise(2):	42ns
	AC RMS - FS(2):	14.29mV

Measurement Menu

Source 2

Type: AC RMS - FS

Add Measurement

Settings

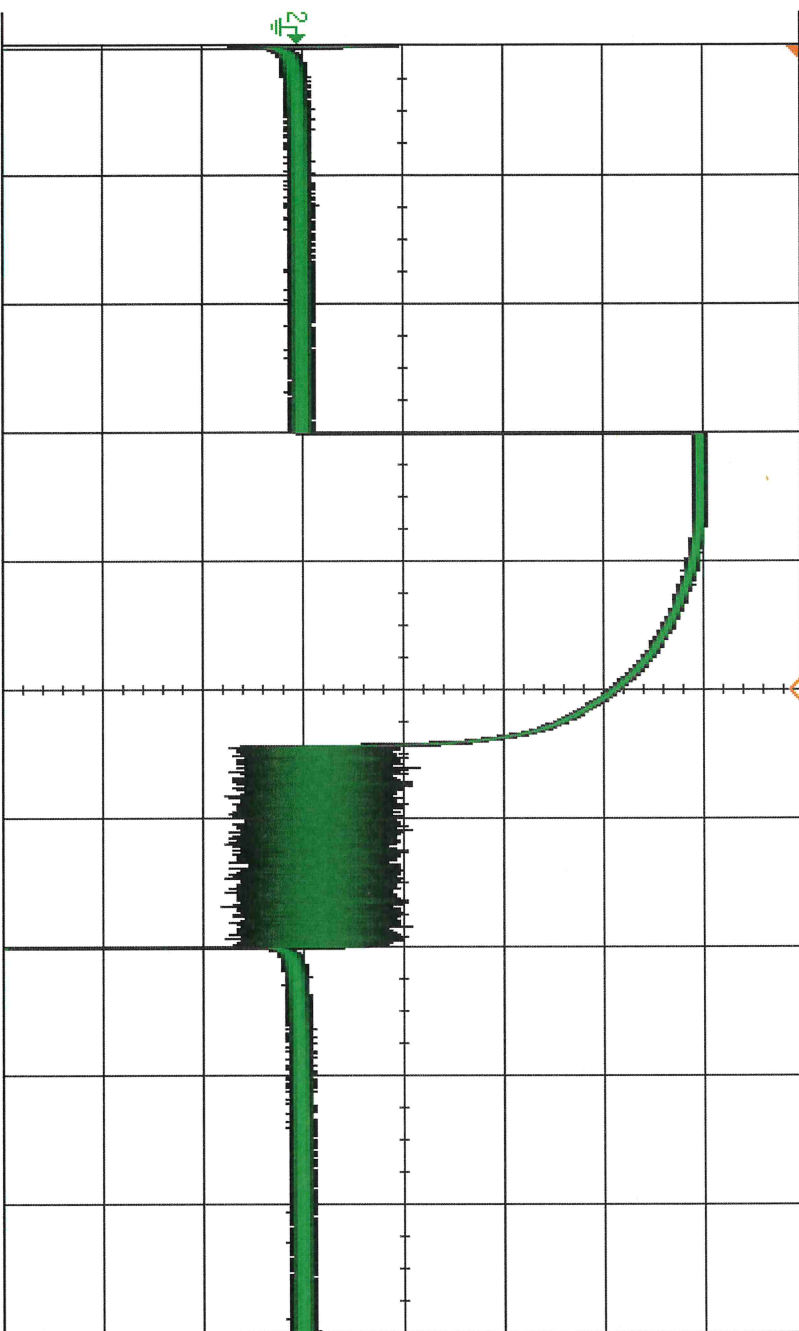
Clear Meas

Statistics

PL56114
CW Immune @ -46dbm

DSO-X 3024A, MY54490369, Wed Nov 12 13:15:59 2025

1 2 500V/ 3 4 8.980 μ s 1.000 μ s/ Auto F E 3.17V



KEYSIGHT TECHNOLOGIES	
Acquisition	Normal
Channels	200MSa/s
DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1

Acquire Menu
Acq Mode Normal

Avgs 16

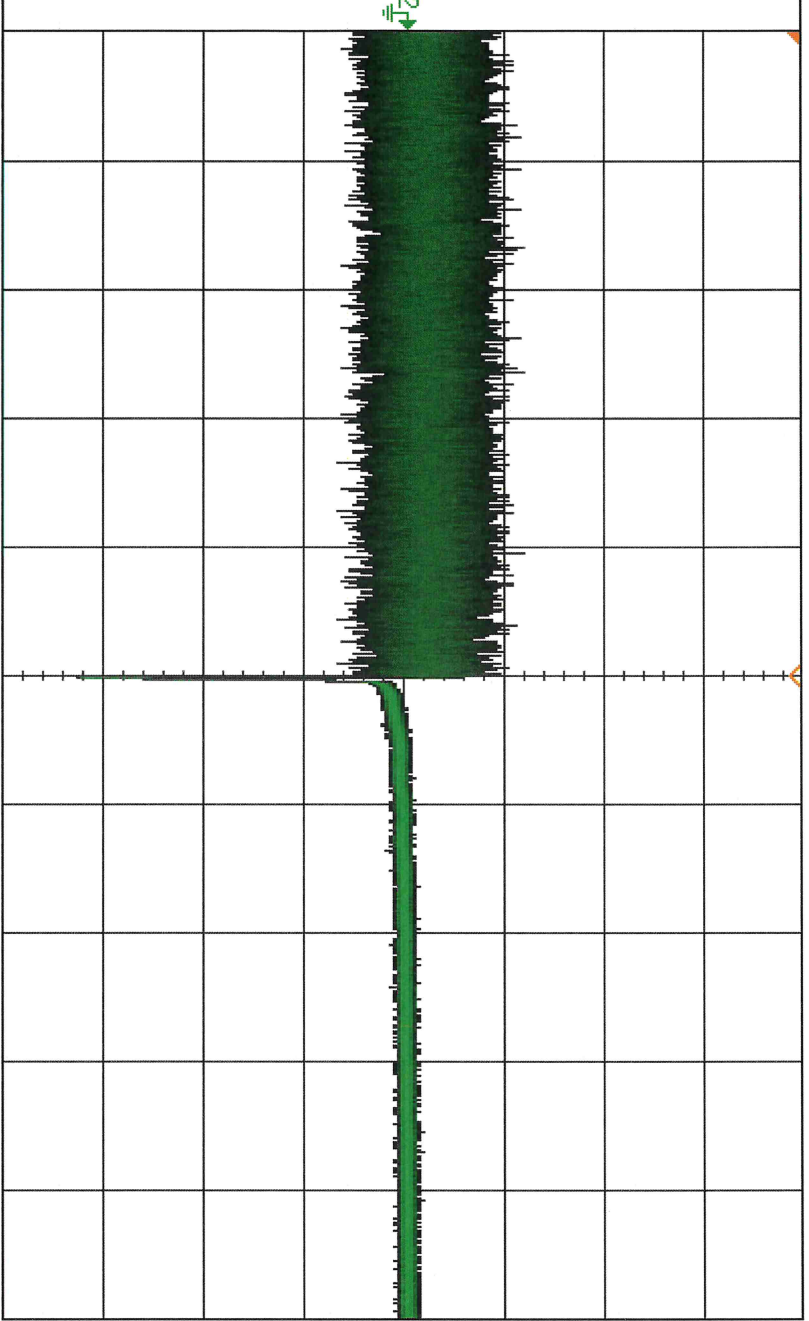
Segmented

PL56114
CW Recovery

DSO-X-3024A, MW54490369: Wed Nov 12 13:16:55 2025

1 2 500% / 3 4

11.00ms 100.0ns / Auto f E 3.17V



Save to file = pl56114_cw_recovery

Save

Recall

Default/Erase

KEYSIGHT TECHNOLOGIES	
Acquisition	Normal
	2.00GSa/s
Channels	
DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1

Press to Save