

**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: PL56121/2545 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	PMI QAG
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

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For
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TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
6	TSS:	-71 dBm	-73 dBm	PMI QA3
7	Dynamic Range:	-65 to 0 dBm	-65 to 0 dBm	
8	Log Slope:	70 mV/dB ±3 mV/dB	69.70/71.03mV/dB	
9	Log Linearity:	±1.0 dB Max	+46/-33dB	
10	Log Accuracy @ 25°C:	±1.25 dB Max	1.13/-1.10dB	
11	Absolute Log Accuracy:	±2.0 dB Max	1.13/-1.29dB	
12	DC Offset:	±70 mV	37mV	
13	Rise Time:	28 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	27.8ns @ 0dbm-See Plots	
14	Fall Time:	300 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	91.3ns @ 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	±1.01 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	

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TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
20	Video Output @ -65 dBm:	330 ± 88 mV Over Frequency	350/249mV	PM QC
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	8.06mV	
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	2.2 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

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LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 11-12-25
 SERIAL NO: PL56121-RF

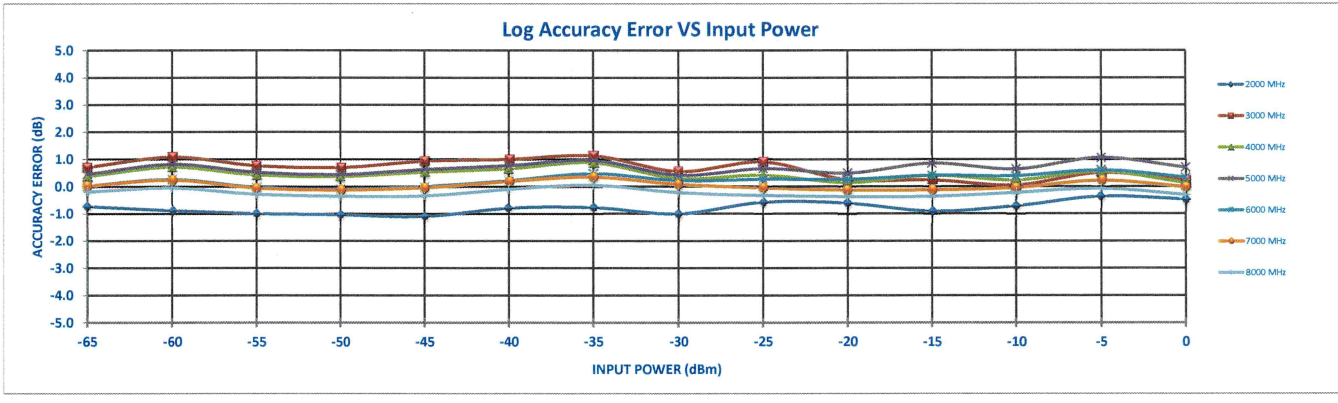
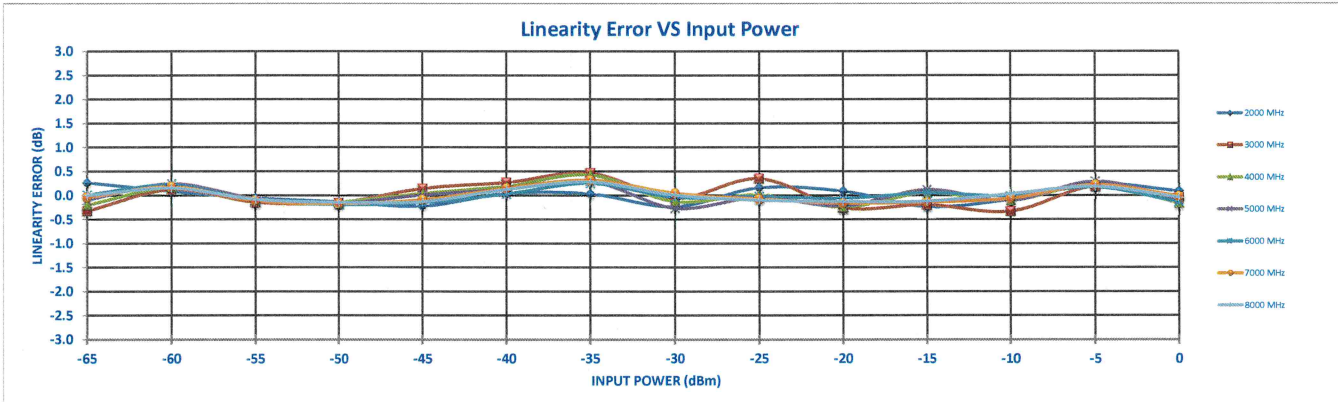
Test Temp: +25C



PLANAR MONOLITHICS INDUSTRIES
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 ISO 9001:2000 CERTIFIED

DC Offset= 0.037

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
2000 MHz	INTERCEPT (mV)	4845															Measured Value (mV)
	SLOPE (mV/dB)	71.00	249	591	936	1286	1634	2008	2362	2698	3081	3431	3763	4129	4507	4851	Error (mV)
			19	6	-4	-9	-16	3	2	-17	11	6	-17	-6	17	6	LINEARITY ERROR (dB)
			0.27	0.08	-0.06	-0.13	-0.23	0.04	0.03	-0.24	0.15	0.08	-0.24	-0.08	0.24	0.08	ACCURACY ERROR (dB)
			-0.74	-0.89	-1.00	-1.03	-1.10	-0.79	-0.77	-1.01	-0.58	-0.61	-0.91	-0.72	-0.36	-0.48	
3000 MHz	INTERCEPT (mV)	4903.3															Measured Value (mV)
	SLOPE (mV/dB)	69.70	350	730	1060	1408	1777	2134	2496	2808	3185	3491	3844	4183	4568	4900	Error (mV)
			-23	9	-10	-10	10	19	32	-4	24	-18	-14	-23	13	-3	LINEARITY ERROR (dB)
			-0.33	0.12	-0.14	-0.15	0.14	0.27	0.46	-0.06	0.35	-0.26	-0.20	-0.33	0.19	-0.05	ACCURACY ERROR (dB)
			0.69	1.08	0.76	0.70	0.93	0.99	1.13	0.55	0.90	0.24	0.24	0.05	0.51	0.22	
4000 MHz	INTERCEPT (mV)	4905.9															Measured Value (mV)
	SLOPE (mV/dB)	70.22	327	704	1036	1385	1749	2110	2478	2790	3151	3484	3856	4196	4571	4894	Error (mV)
			-14	11	-8	-10	3	13	30	-9	1	-17	3	-8	16	-12	LINEARITY ERROR (dB)
			-0.21	0.16	-0.11	-0.14	0.04	0.19	0.43	-0.13	0.01	-0.25	0.05	-0.11	0.23	-0.17	ACCURACY ERROR (dB)
			0.37	0.71	0.42	0.37	0.53	0.65	0.87	0.30	0.42	0.14	0.41	0.23	0.55	0.13	
5000 MHz	INTERCEPT (mV)	4940.4															Measured Value (mV)
	SLOPE (mV/dB)	70.78	333	711	1043	1390	1756	2118	2484	2798	3168	3509	3887	4225	4607	4934	Error (mV)
			-7	17	-5	-12	0	9	21	-19	-3	-16	8	-8	20	-6	LINEARITY ERROR (dB)
			-0.10	0.24	-0.07	-0.16	0.01	0.12	0.29	-0.27	-0.04	-0.22	0.12	-0.11	0.29	-0.09	ACCURACY ERROR (dB)
			0.45	0.81	0.52	0.44	0.63	0.77	0.96	0.41	0.66	0.49	0.85	0.65	1.06	0.70	
6000 MHz	INTERCEPT (mV)	4918.1															Measured Value (mV)
	SLOPE (mV/dB)	71.03	302	672	1004	1353	1711	2079	2450	2784	3141	3493	3856	4207	4575	4908	Error (mV)
			1	16	-8	-14	-11	2	18	-3	-1	-4	3	-1	12	-10	LINEARITY ERROR (dB)
			0.01	0.22	-0.11	-0.19	-0.15	0.03	0.25	-0.05	-0.02	-0.06	0.05	-0.01	0.17	-0.14	ACCURACY ERROR (dB)
			0.01	0.26	-0.03	-0.08	-0.01	0.21	0.47	0.21	0.27	0.27	0.41	0.39	0.61	0.33	
7000 MHz	INTERCEPT (mV)	4884.9															Measured Value (mV)
	SLOPE (mV/dB)	70.46	302	670	1002	1350	1708	2077	2441	2774	3118	3464	3818	4176	4548	4883	Error (mV)
			-3	12	-8	-12	-6	10	22	3	-5	-12	-10	-4	15	-2	LINEARITY ERROR (dB)
			-0.05	0.18	-0.11	-0.17	-0.09	0.15	0.31	0.04	-0.08	-0.17	-0.14	-0.06	0.22	-0.03	ACCURACY ERROR (dB)
			0.01	0.23	-0.06	-0.12	-0.05	0.19	0.35	0.07	-0.05	-0.15	-0.13	-0.05	0.23	-0.02	
8000 MHz	INTERCEPT (mV)	4866.3															Measured Value (mV)
	SLOPE (mV/dB)	70.45	287	650	986	1334	1687	2057	2420	2753	3098	3448	3801	4164	4527	4863	Error (mV)
			0	11	-6	-10	-9	9	19	0	-7	-9	-9	2	13	-3	LINEARITY ERROR (dB)
			0.00	0.15	-0.08	-0.14	-0.13	0.12	0.27	0.00	-0.10	-0.13	-0.12	0.03	0.18	-0.05	ACCURACY ERROR (dB)
			-0.20	-0.05	-0.29	-0.35	-0.35	-0.10	0.05	-0.23	-0.34	-0.37	-0.37	-0.22	-0.07	-0.31	
Flatness	+/- dB		0.72	0.99	0.88	0.87	1.01	0.89	0.95	0.78	0.74	0.55	0.88	0.68	0.71	0.59	
-65dBm mV-Out			350	Max		249	Min										



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 11-12-25
 SERIAL NO: PL56121-RF

Test Temp: -10C



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DC Offset= 0.029

Frequency

2000 MHz	INTERCEPT (mV)	4861.9
	SLOPE (mV/dB)	71.74

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
246	579	911	1256	1611	1991	2330	2673	3077	3422	3755	4143	4541	4891	
47	21	-5	-19	-23	-1	-21	-37	9	-5	-31	-2	38	29	
0.66	0.30	-0.07	-0.27	-0.32	-0.02	-0.29	-0.51	0.12	-0.07	-0.43	-0.02	0.53	0.41	
-0.20	-0.54	-0.89	-1.07	-1.10	-0.79	-1.05	-1.25	-0.60	-0.77	-1.12	-0.69	-0.12	-0.23	

RF Input Power (dBm)
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

3000 MHz	INTERCEPT (mV)	4902.7
	SLOPE (mV/dB)	70.59

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
324	687	1006	1359	1728	2087	2442	2768	3157	3469	3813	4173	4579	4928	
10	20	-14	-14	2	8	10	-17	19	-22	-31	-24	29	25	
0.13	0.28	-0.20	-0.20	0.03	0.11	0.14	-0.24	0.27	-0.31	-0.44	-0.34	0.41	0.36	
0.90	0.97	0.43	0.37	0.53	0.55	0.52	0.08	0.52	-0.12	-0.31	-0.27	0.41	0.29	

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

4000 MHz	INTERCEPT (mV)	4908.8
	SLOPE (mV/dB)	71.17

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
305	664	984	1337	1701	2063	2421	2743	3115	3467	3833	4192	4589	4927	
22	25	-10	-13	-5	3	-31	-15	-8	-5	36	18			
0.31	0.36	-0.15	-0.19	-0.07	0.01	0.04	-0.43	-0.20	-0.26	-0.12	-0.07	0.51	0.26	
0.63	0.65	0.13	0.06	0.15	0.22	0.23	-0.27	-0.07	-0.14	-0.03	0.00	0.55	0.28	

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

5000 MHz	INTERCEPT (mV)	4955.9
	SLOPE (mV/dB)	72.06

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
305	667	987	1339	1703	2066	2423	2748	3134	3498	3877	4228	4640	4981	
33	35	-6	-14	-10	-8	-11	-46	-20	-17	2	-7	44	25	
0.46	0.48	-0.08	-0.19	-0.14	-0.11	-0.15	-0.64	-0.28	-0.23	0.03	-0.10	0.62	0.35	
0.63	0.69	0.17	0.09	0.18	0.26	0.25	-0.20	0.20	0.29	0.59	0.50	1.26	1.03	

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

6000 MHz	INTERCEPT (mV)	4926.7
	SLOPE (mV/dB)	72.10

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
279	631	953	1303	1661	2032	2390	2737	3104	3481	3844	4208	4600	4943	
39	31	-8	-18	-21	-11	-13	-27	-20	-4	-1	2	34	16	
0.54	0.42	-0.11	-0.26	-0.29	-0.15	-0.18	-0.37	-0.28	-0.05	-0.02	0.03	0.47	0.23	
0.27	0.19	-0.31	-0.41	-0.40	-0.22	-0.21	-0.35	-0.22	0.05	0.13	0.22	0.70	0.50	

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

7000 MHz	INTERCEPT (mV)	4892.4
	SLOPE (mV/dB)	71.51

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
279	629	952	1300	1658	2028	2382	2727	3083	3448	3800	4176	4572	4921	
35	27	-7	-17	-16	-4	-7	-20	-22	-14	-20	-1	37	29	
0.49	0.38	-0.10	-0.23	-0.23	-0.05	-0.10	-0.28	-0.30	-0.20	-0.28	-0.02	0.52	0.40	
0.27	0.16	-0.32	-0.45	-0.45	-0.27	-0.32	-0.49	-0.52	-0.41	-0.49	-0.23	0.31	0.19	

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

8000 MHz	INTERCEPT (mV)	4876.9
	SLOPE (mV/dB)	71.31

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
276	625	950	1296	1652	2023	2374	2713	3073	3434	3787	4170	4557	4903	
34	26	-5	-16	-16	-2	-7	-25	-21	-17	-20	6	37	26	
0.48	0.37	-0.07	-0.22	-0.23	-0.02	-0.10	-0.35	-0.30	-0.24	-0.29	0.09	0.51	0.37	
0.22	0.11	-0.35	-0.51	-0.53	-0.34	-0.43	-0.69	-0.66	-0.61	-0.67	-0.31	0.10	-0.06	

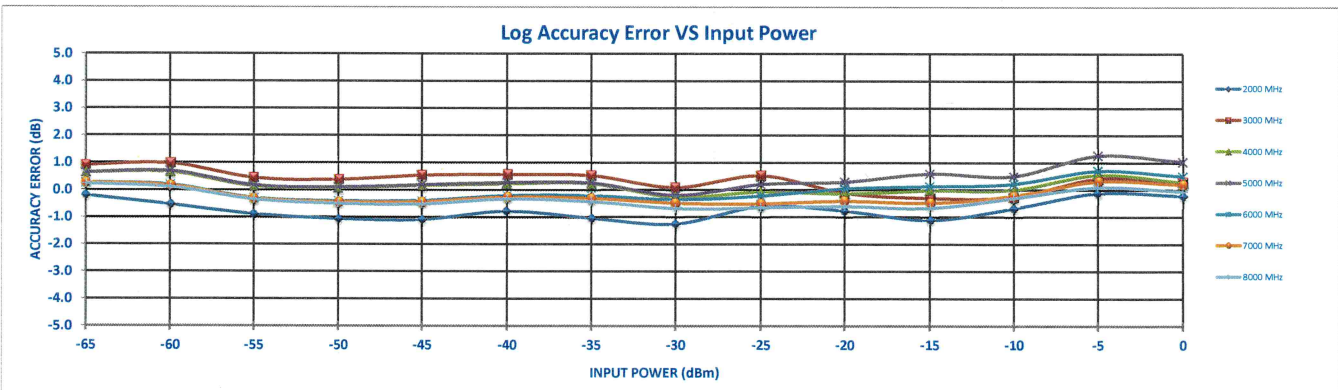
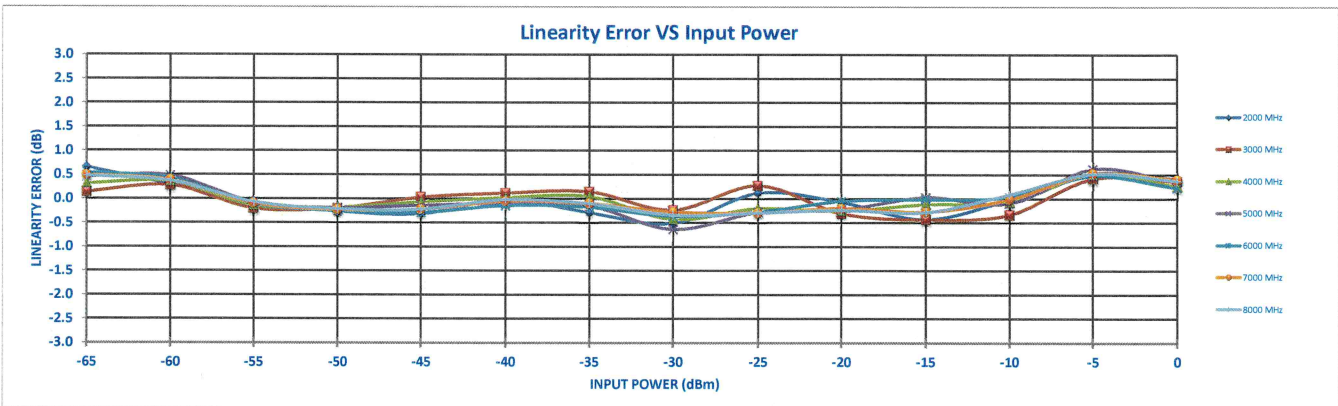
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

Flatness +/- dB

0.55	0.76	0.66	0.72	0.82	0.67	0.78	0.66	0.59	0.53	0.85	0.59	0.69	0.63
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-65dBm mV-Out

324	Max
246	Min



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 11-12-25
 SERIAL NO: PL56121-RF

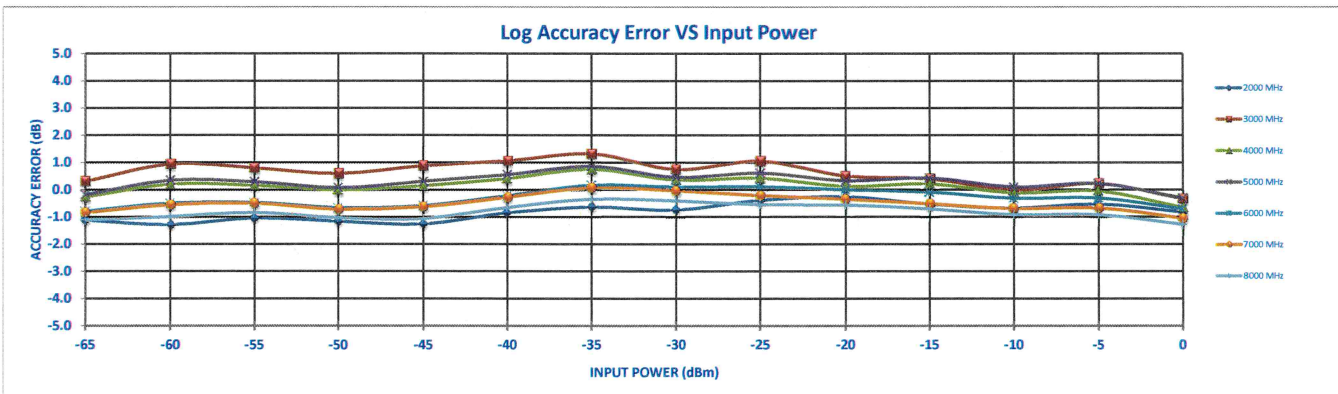
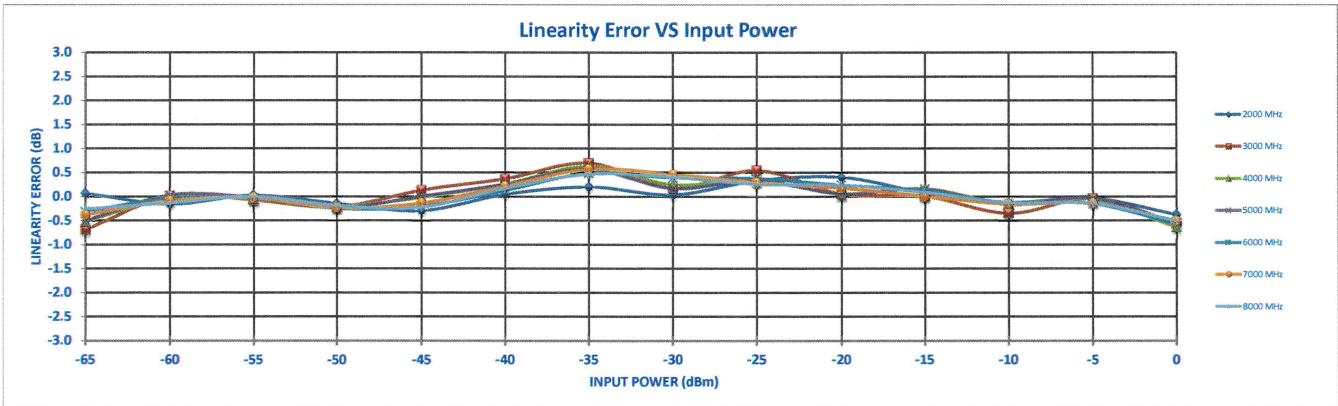
Test Temp: +85C



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DC Offset= 0.064

Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)	
2000 MHz	INTERCEPT (mV)	242															2000
	SLOPE (mV/dB)	5															2000
	Measured Value (mV)	242	578	943	1283	1624	2000	2363	2703	3076	3433	3762	4100	4458	4786		
	Error (mV)	5	-11	2	-10	-21	3	14	2	23	28	5	-9	-3	-27		
	LINEARITY ERROR (dB)	0.06	-0.16	0.02	-0.15	-0.30	0.04	0.20	0.03	0.33	0.40	0.07	-0.12	-0.04	-0.38		
	ACCURACY ERROR (dB)	-1.12	-1.29	-1.05	-1.16	-1.26	-0.86	-0.64	-0.76	-0.40	-0.27	-0.54	-0.68	-0.54	-0.82		
3000 MHz	INTERCEPT (mV)	341															2499
	SLOPE (mV/dB)	-48															2499
	Measured Value (mV)	341	733	1071	1405	1773	2133	2499	2807	3176	3486	3827	4146	4511	4820		
	Error (mV)	-48	0	-5	-15	9	25	47	12	37	3	0	-24	-3	-38		
	LINEARITY ERROR (dB)	-0.70	0.00	-0.08	-0.22	0.13	0.37	0.69	0.17	0.54	0.05	0.01	-0.35	-0.05	-0.55		
	ACCURACY ERROR (dB)	0.30	0.93	0.79	0.59	0.88	1.05	1.31	0.74	1.04	0.50	0.40	-0.02	0.23	-0.33		
4000 MHz	INTERCEPT (mV)	301															2088
	SLOPE (mV/dB)	-35															2088
	Measured Value (mV)	301	682	1027	1363	1722	2088	2460	2780	3133	3460	3814	4139	4492	4798		
	Error (mV)	-35	-2	-3	-14	-2	18	43	17	23	4	11	-10	-4	-45		
	LINEARITY ERROR (dB)	-0.52	-0.03	-0.05	-0.20	-0.02	0.26	0.63	0.24	0.34	0.05	0.16	-0.15	-0.06	-0.64		
	ACCURACY ERROR (dB)	-0.27	0.20	0.16	-0.01	0.15	0.41	0.75	0.35	0.42	0.12	0.21	-0.12	-0.05	-0.65		
5000 MHz	INTERCEPT (mV)	307															2098
	SLOPE (mV/dB)	-35															2098
	Measured Value (mV)	307	692	1036	1369	1733	2098	2467	2787	3146	3474	3829	4154	4511	4822		
	Error (mV)	-35	2	-2	-16	0	18	39	11	23	3	11	-12	-3	-39		
	LINEARITY ERROR (dB)	-0.51	0.03	-0.02	-0.23	0.00	0.25	0.56	0.16	0.33	0.05	0.15	-0.17	-0.04	-0.56		
	ACCURACY ERROR (dB)	-0.19	0.35	0.29	0.07	0.31	0.55	0.85	0.45	0.61	0.32	0.43	0.10	0.23	-0.31		
6000 MHz	INTERCEPT (mV)	264															2044
	SLOPE (mV/dB)	-22															2044
	Measured Value (mV)	264	633	983	1318	1671	2044	2419	2762	3111	3451	3793	4125	4474	4794		
	Error (mV)	-22	-3	-3	-18	-14	9	34	27	26	16	8	-10	-10	-40		
	LINEARITY ERROR (dB)	-0.31	-0.04	-0.04	-0.25	-0.21	0.12	0.48	0.38	0.37	0.23	0.12	-0.14	-0.15	-0.58		
	ACCURACY ERROR (dB)	-0.80	-0.50	-0.47	-0.66	-0.59	-0.23	0.16	0.09	0.11	-0.01	-0.09	-0.32	-0.31	-0.71		
7000 MHz	INTERCEPT (mV)	261															2040
	SLOPE (mV/dB)	-27															2040
	Measured Value (mV)	261	629	981	1314	1668	2040	2412	2752	3088	3427	3763	4099	4448	4770		
	Error (mV)	-27	-6	-2	-16	-10	15	39	32	20	12	0	-11	-10	-35		
	LINEARITY ERROR (dB)	-0.39	-0.09	-0.03	-0.24	-0.14	0.21	0.56	0.46	0.29	0.17	0.00	-0.16	-0.14	-0.51		
	ACCURACY ERROR (dB)	-0.85	-0.56	-0.50	-0.72	-0.63	-0.28	0.06	-0.05	-0.22	-0.35	-0.52	-0.70	-0.68	-1.05		
8000 MHz	INTERCEPT (mV)	242															2014
	SLOPE (mV/dB)	-18															2014
	Measured Value (mV)	242	599	957	1292	1638	2014	2383	2727	3065	3412	3750	4083	4431	4754		
	Error (mV)	-18	-10	0	-13	-16	12	32	28	18	16	6	-10	-10	-35		
	LINEARITY ERROR (dB)	-0.26	-0.14	0.00	-0.19	-0.23	0.17	0.47	0.40	0.25	0.23	0.08	-0.14	-0.14	-0.51		
	ACCURACY ERROR (dB)	-1.12	-0.99	-0.85	-1.03	-1.06	-0.66	-0.35	-0.41	-0.55	-0.57	-0.71	-0.92	-0.92	-1.28		
Flatness	+/- dB	0.71	1.11	0.92	0.88	1.07	0.96	0.98	0.75	0.80	0.53	0.57	0.51	0.57	0.49		
-65dBm mV-Out	Max	341															
	Min	242															



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 11-12-25
 SERIAL NO: PL56121-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= 0.037

Frequency

2000 MHz	INTERCEPT (mV)	4845
	SLOPE (mV/dB)	71.00

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
249	591	936	1286	1634	2008	2362	2698	3081	3431	3763	4129	4507	4851	
19	6	-4	-9	-16	3	2	-17	11	6	-17	-6	17	6	
0.27	0.08	-0.06	-0.13	-0.23	0.04	0.03	-0.24	0.15	0.08	-0.24	-0.08	0.24	0.08	
-0.74	-0.89	-1.00	-1.03	-1.10	-0.79	-0.77	-1.01	-0.58	-0.61	-0.91	-0.72	-0.36	-0.48	

RF Input Power (dBm)

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

3000 MHz	INTERCEPT (mV)	4903.3
	SLOPE (mV/dB)	69.70

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
350	730	1060	1408	1777	2134	2496	2808	3185	3491	3844	4183	4568	4900	
-23	9	-10	-10	10	19	32	-4	24	-18	-14	-23	13	-3	
-0.33	0.12	-0.14	-0.15	0.14	0.27	0.46	-0.06	0.35	-0.26	-0.20	-0.33	0.19	-0.08	
0.69	1.08	0.76	0.70	0.93	0.99	1.13	0.55	0.90	0.24	0.24	0.05	0.51	0.22	

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

4000 MHz	INTERCEPT (mV)	4905.9
	SLOPE (mV/dB)	70.22

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
327	704	1036	1385	1749	2110	2478	2790	3151	3484	3856	4196	4571	4894	
-14	11	-6	-10	3	13	30	-9	1	-17	3	-8	16	-12	
-0.21	0.16	-0.11	-0.14	0.04	0.19	0.43	-0.13	0.01	-0.25	0.05	-0.11	0.23	-0.17	
0.37	0.71	0.42	0.37	0.53	0.65	0.87	0.30	0.42	0.14	0.41	0.23	0.55	0.13	

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

5000 MHz	INTERCEPT (mV)	4940.4
	SLOPE (mV/dB)	70.78

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
333	711	1043	1390	1756	2118	2484	2798	3168	3509	3887	4225	4607	4934	
-7	17	-5	-12	0	9	21	-19	-3	-16	8	-8	20	-6	
-0.10	0.24	-0.07	-0.16	0.01	0.12	0.29	-0.27	-0.04	-0.22	0.12	-0.11	0.29	-0.09	
0.45	0.81	0.52	0.44	0.63	0.77	0.96	0.41	0.66	0.49	0.85	0.65	1.06	0.70	

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

6000 MHz	INTERCEPT (mV)	4918.1
	SLOPE (mV/dB)	71.03

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
302	672	1004	1353	1711	2079	2450	2784	3141	3493	3856	4207	4575	4908	
1	16	-8	-14	-11	2	18	-3	-1	-4	3	-1	12	-10	
0.01	0.22	-0.11	-0.19	-0.15	0.03	0.25	-0.05	-0.02	-0.06	0.05	-0.01	0.17	-0.14	
0.01	0.26	-0.03	-0.08	-0.01	0.21	0.47	0.21	0.27	0.27	0.41	0.39	0.61	0.33	

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

7000 MHz	INTERCEPT (mV)	4884.9
	SLOPE (mV/dB)	70.46

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
302	670	1002	1350	1708	2077	2441	2774	3118	3464	3818	4176	4548	4883	
-3	12	-8	-12	-6	10	22	3	-5	-12	-10	-4	15	-2	
-0.05	0.18	-0.11	-0.17	-0.09	0.15	0.31	0.04	-0.08	-0.17	-0.14	-0.06	0.22	-0.03	
0.01	0.23	-0.06	-0.12	-0.05	0.19	0.35	0.07	-0.05	-0.15	-0.13	-0.05	0.23	-0.02	

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

8000 MHz	INTERCEPT (mV)	4866.3
	SLOPE (mV/dB)	70.45

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
287	650	986	1334	1687	2057	2420	2753	3098	3448	3801	4164	4527	4863	
0	11	-6	-10	-9	9	19	0	-7	-9	-9	2	13	-3	
0.00	0.15	-0.08	-0.14	-0.13	0.12	0.27	0.00	-0.10	-0.13	-0.12	0.03	0.18	-0.05	
-0.20	-0.05	-0.29	-0.35	-0.35	-0.10	0.05	-0.23	-0.34	-0.37	-0.37	-0.22	-0.07	-0.31	

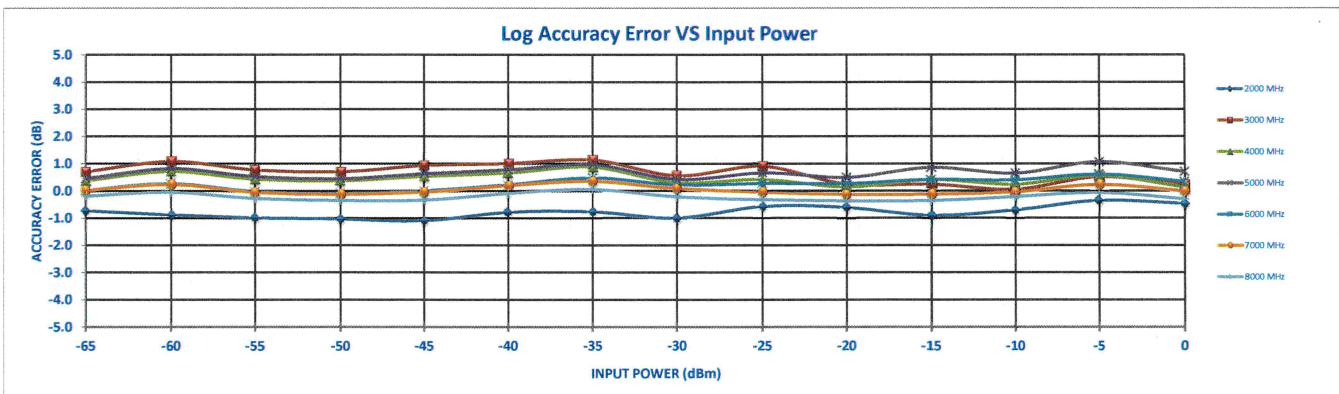
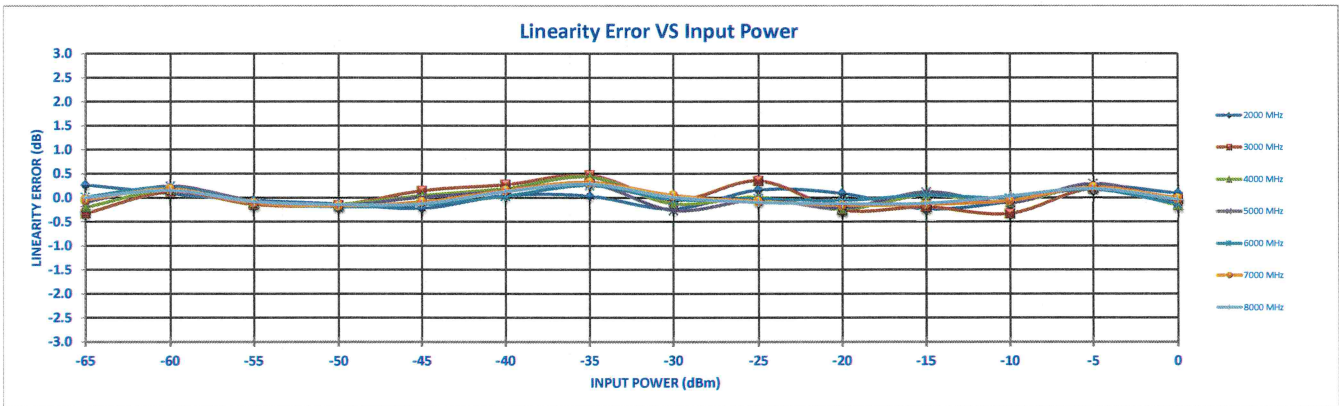
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

Flatness +/- dB

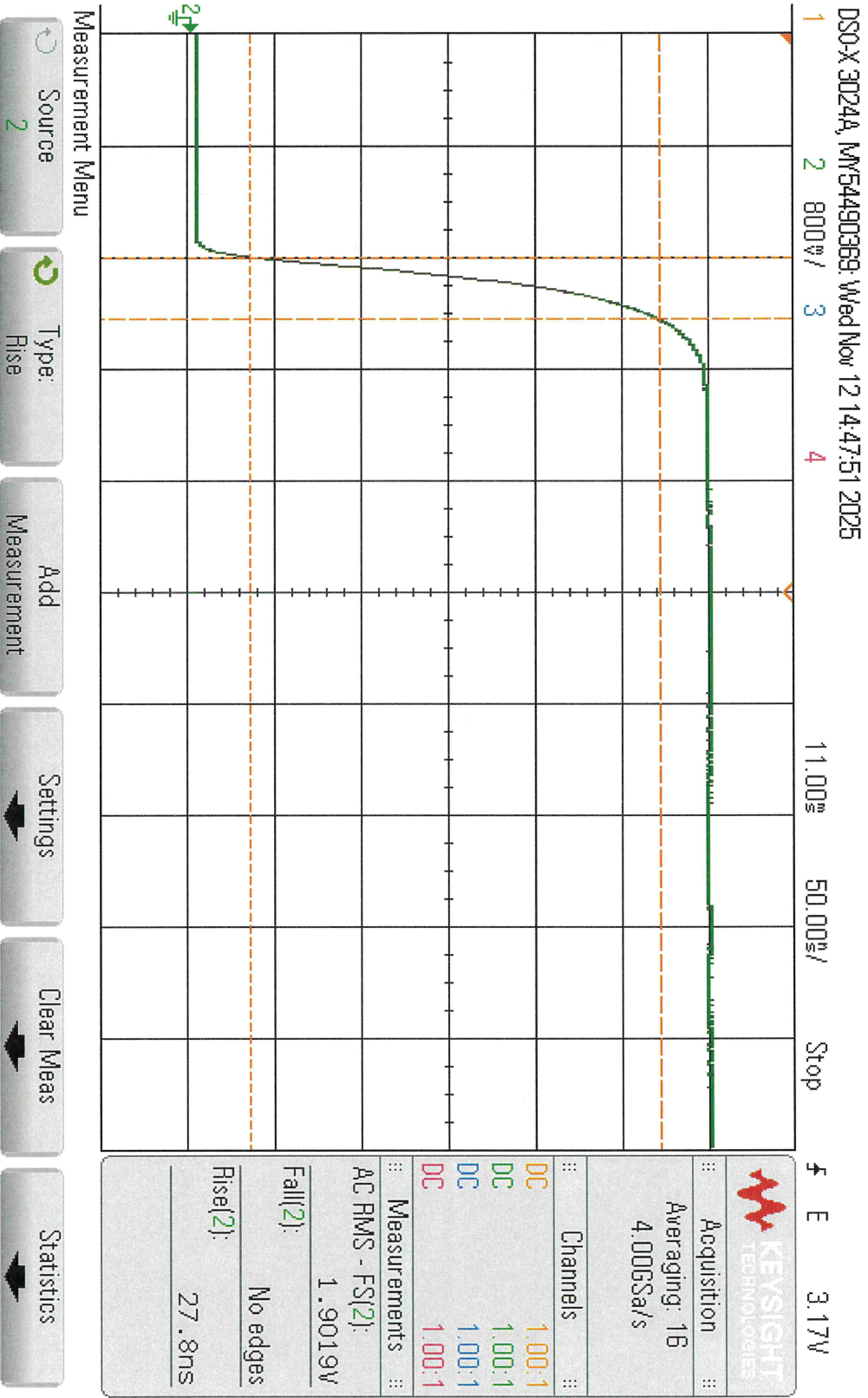
0.72	0.99	0.88	0.87	1.01	0.89	0.95	0.78	0.74	0.55	0.88	0.68	0.71	0.59	
------	------	------	------	------	------	------	------	------	------	------	------	------	------	--

-65dBm mV-Out

350	Max
249	Min

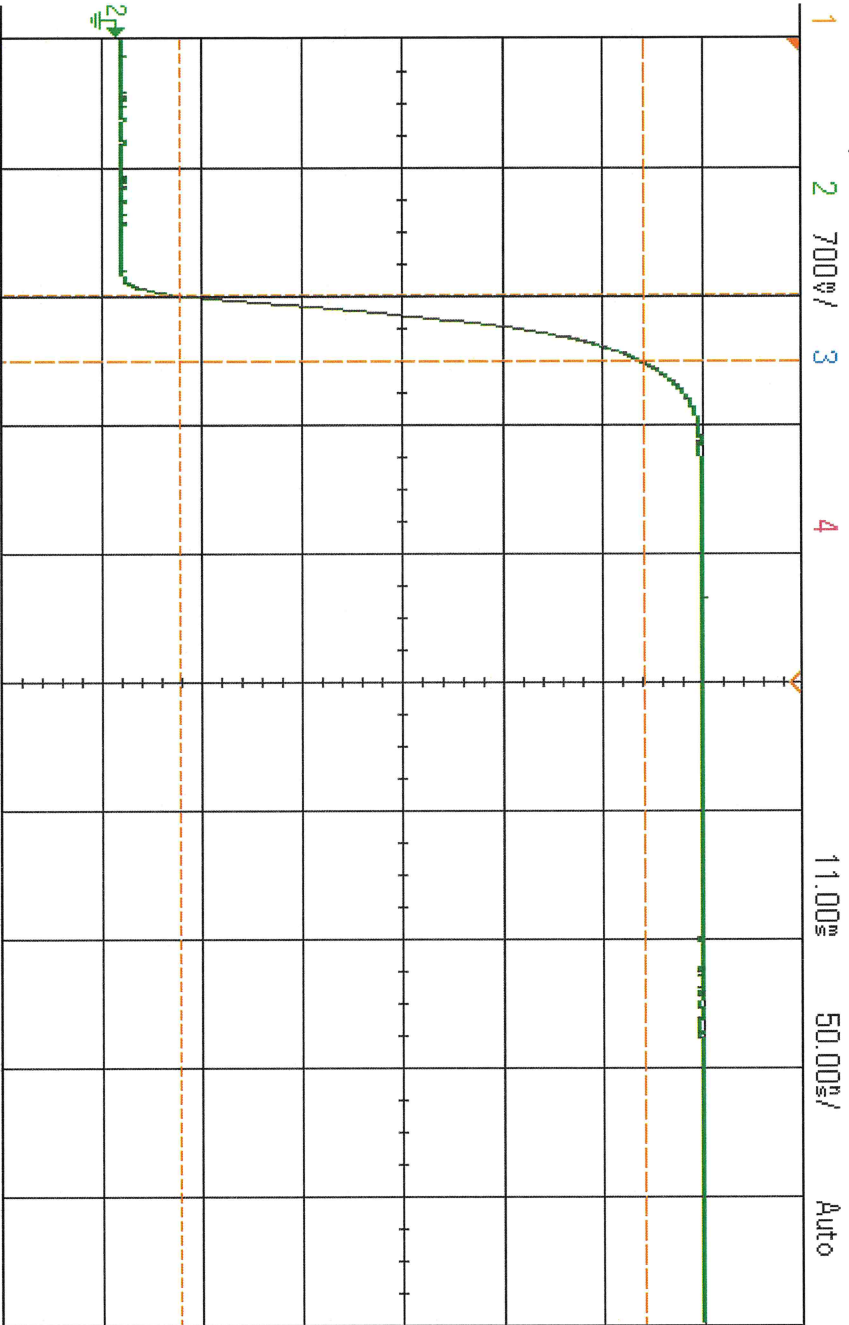


PL56121
Rise settle @ odbr



PL56121
Rise settle @ -10dbm

DSO-X 3024A, MY54490369, Wed Nov 12 15:20:53 2025



11.00ns 50.00mV Auto F E 3.17V

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]: 1.6309V
Fall[2]: No edges
Rise[2]: 25.8ns

Measurement Menu

Source 2

Type: Rise

Add Measurement

Settings

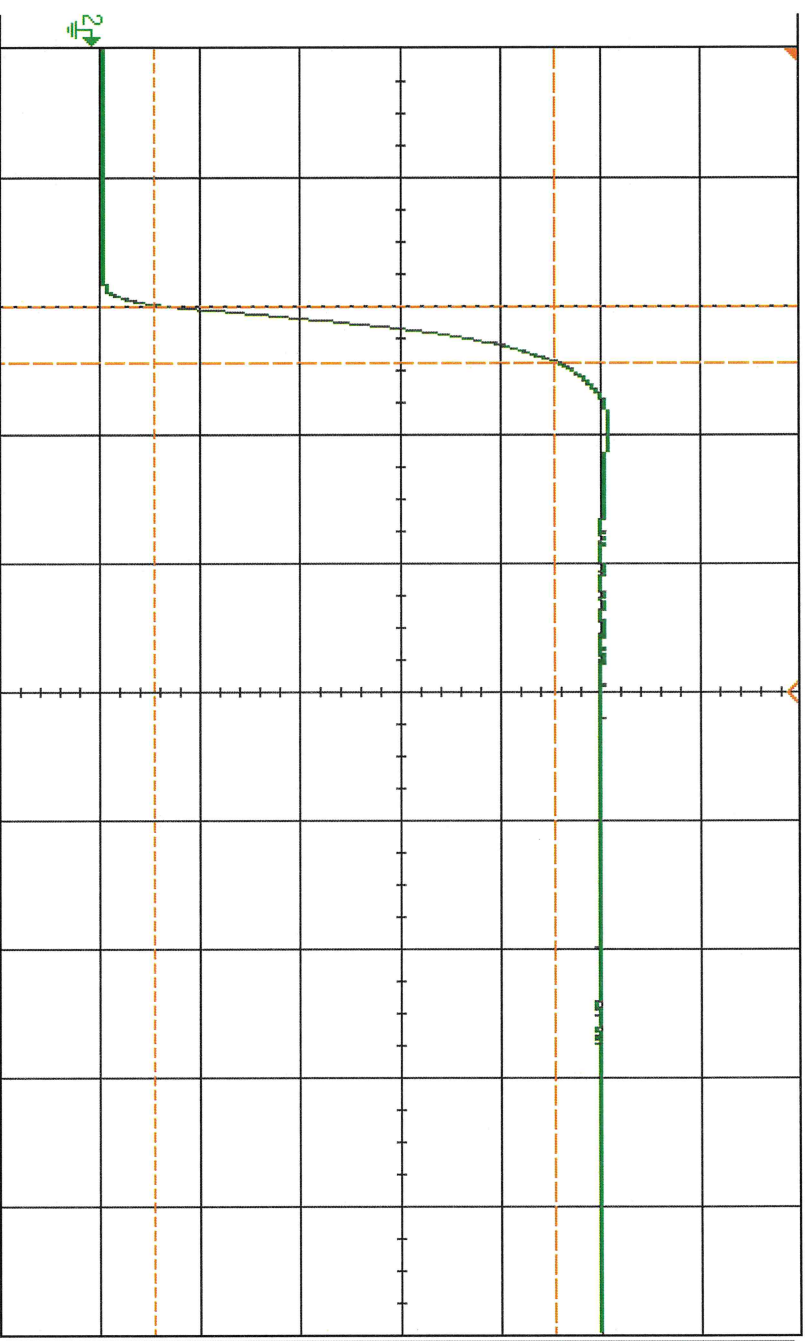
Clear Meas

Statistics

PL 56121
 Rise settle @ -40dbm

DSO-X 3024A, M554490369, Wed Nov 12 15:21:41 2025

1 2 400V/ 3 4 11.00ms 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): 800.28mV

Fall(2): No edges

Rise(2): 22.0ns

PL56121
 Rise settle @ -50dbm

DSO-X 3024A, MY64490369, Wed Nov 12 15:22:15 2025

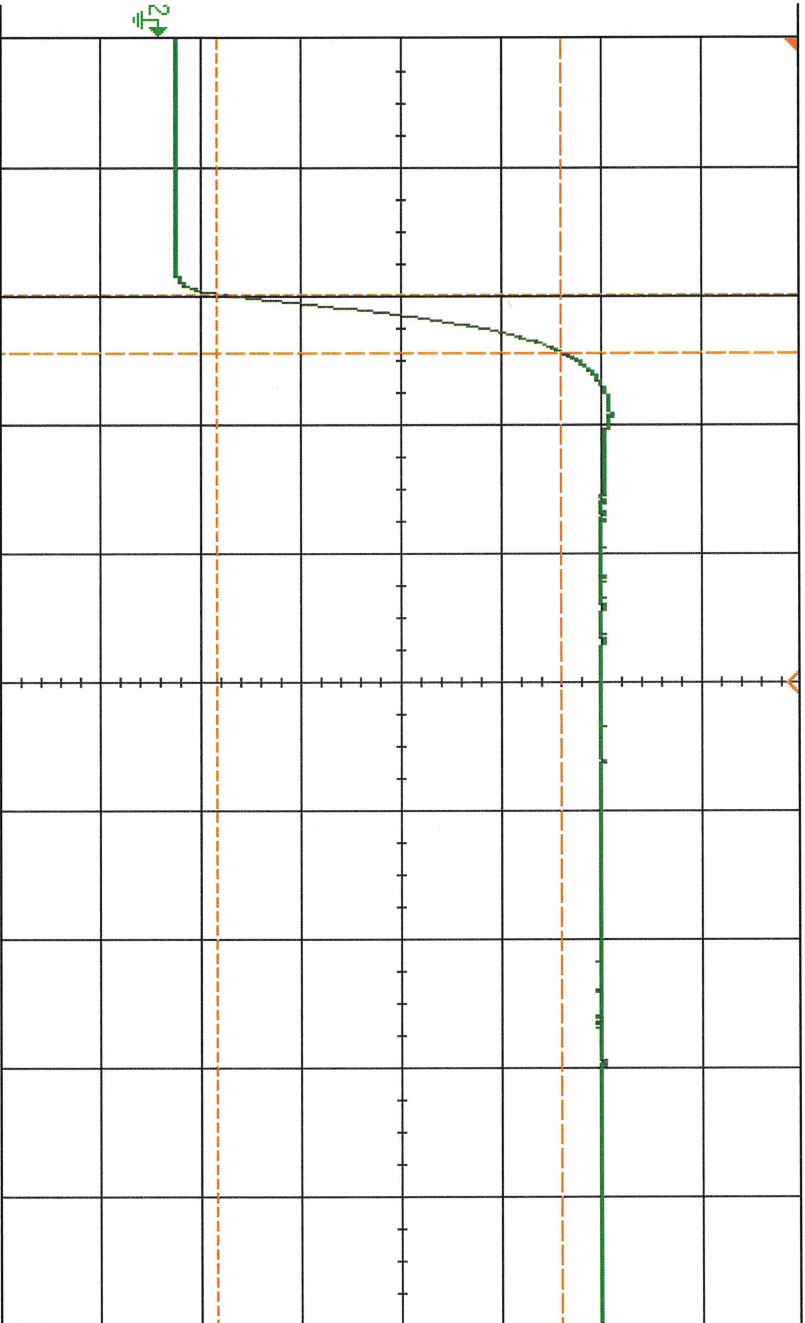
1 2 300V/ 3 4

11.00ms

50.00V/

Auto

f E 3.17V



Measurement Menu

Source 2

Type: Rise

Add Measurement

Settings

Clear Meas

Statistics

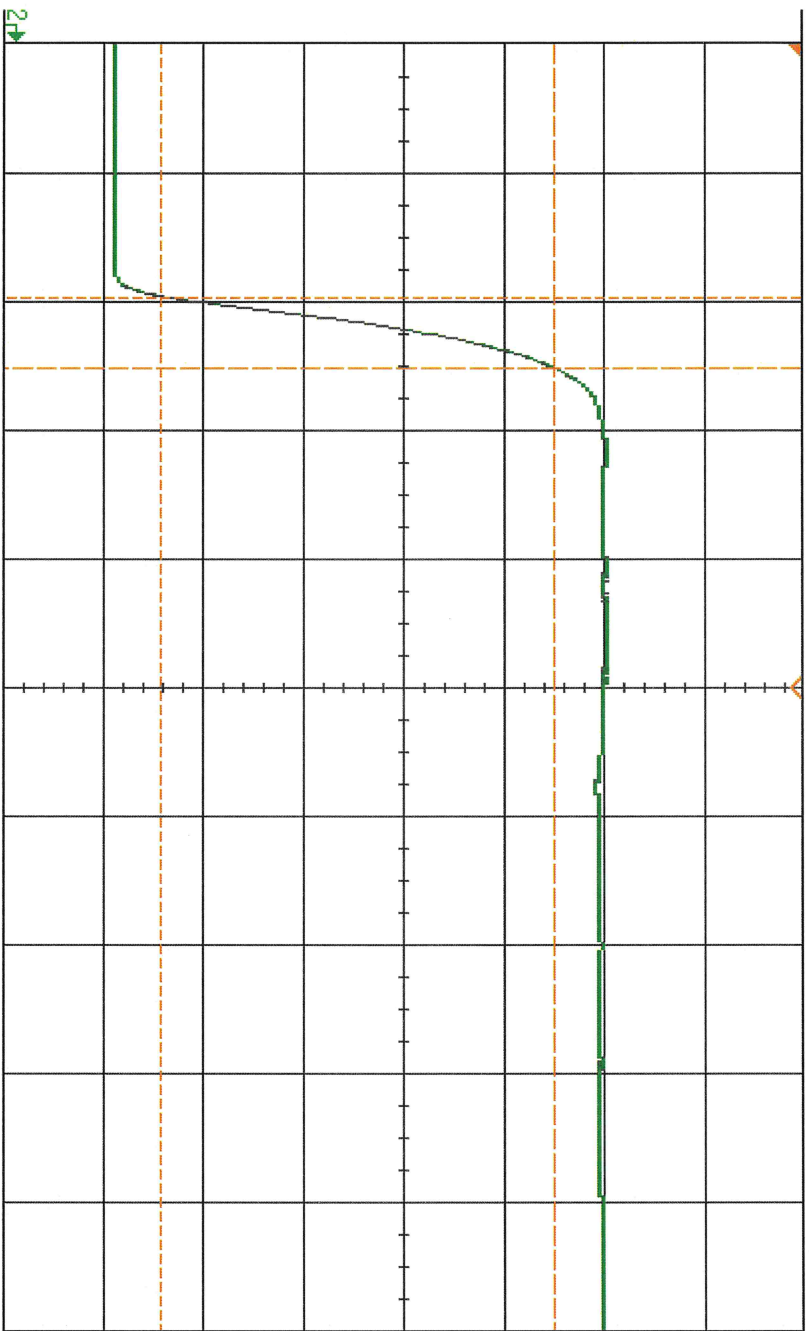
KEYSIGHT TECHNOLOGIES	
Acquisition	:
Averaging: 16	:
4.00GS/s	:
Channels	:
DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1
Measurements	:
AC RMS - FS(2):	513.64mV
Fall(2):	No edges
Rise(2):	22.3ns

PL56121

Rise settle @ -65dbm

DSO-X 3024A, MY54490369, Wed Nov 12 15:26:58 2025

1 2 50V/ 3 4 11.00ms 50.00ns/ Stop F E 3.17V



2V

Acquire Menu
Acq Mode
Averaging

Avgs
128

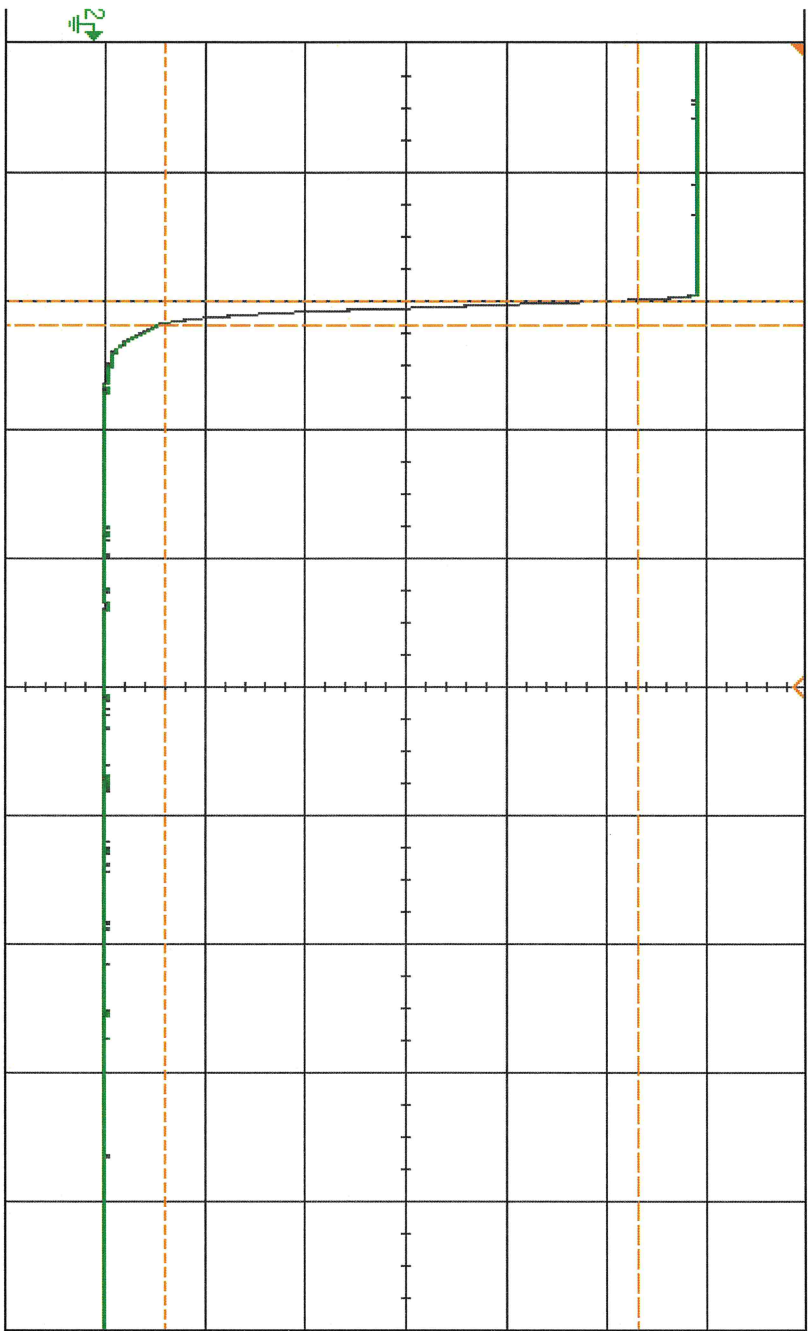
Segmented

KEYSIGHT TECHNOLOGIES	
Acquisition	Averaging: 128
Channels	4.00GSa/s
DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1
Measurements	
AC RMS - FS[2]	97.913mV
Fall[2]	No edges
Rise[2]	27.5ns

PL56121
 Recovery Fall @ 0dbm

DSO-X 3024A, MY54490369, Thu Nov 13 18:23:13 2025

1 2 800V / 3 4 10.95ms 500.0ns / Stop F E 3.17V



Measurement Menu

Source 2

Type: Fall

Add Measurement

Settings

Clear Meas

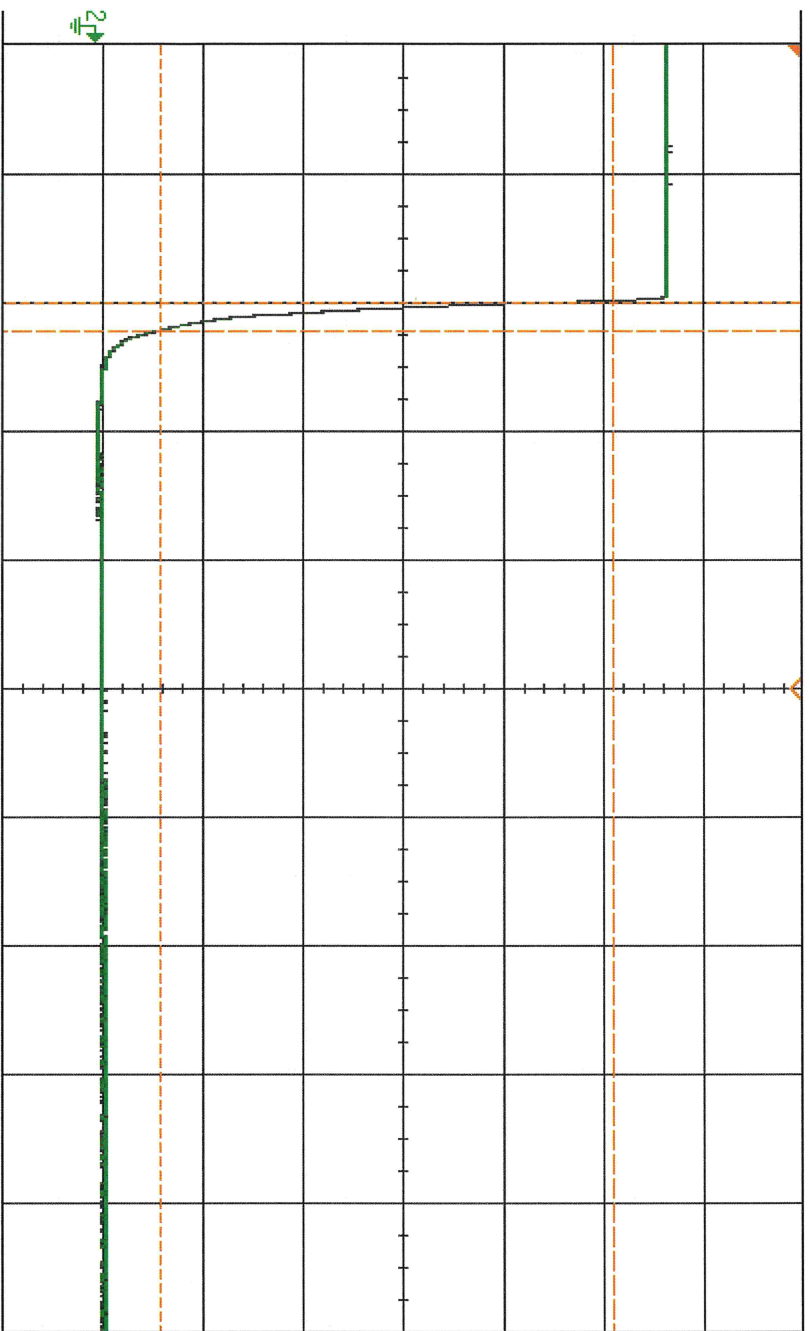
Statistics

KEYSIGHT TECHNOLOGIES	
Acquisition	32
Averaging	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):	1.8988V
Rise(2):	No edges
Fall(2):	91.3ns

PL56121
 Recovery Fall @ -20dbm

DSO-X 3024A, MY54490369, Wed Nov 12 14:31:09 2025

1 2 800W/ 3 4 11.05ns 500.0mV Auto F E 3.17V



Save to file = [pl56121_rec_fall_20

Save

Recall

Default/Erase

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): 1.3590V

Rise(2): No edges

Fall(2): 112.8ns

Press to Save

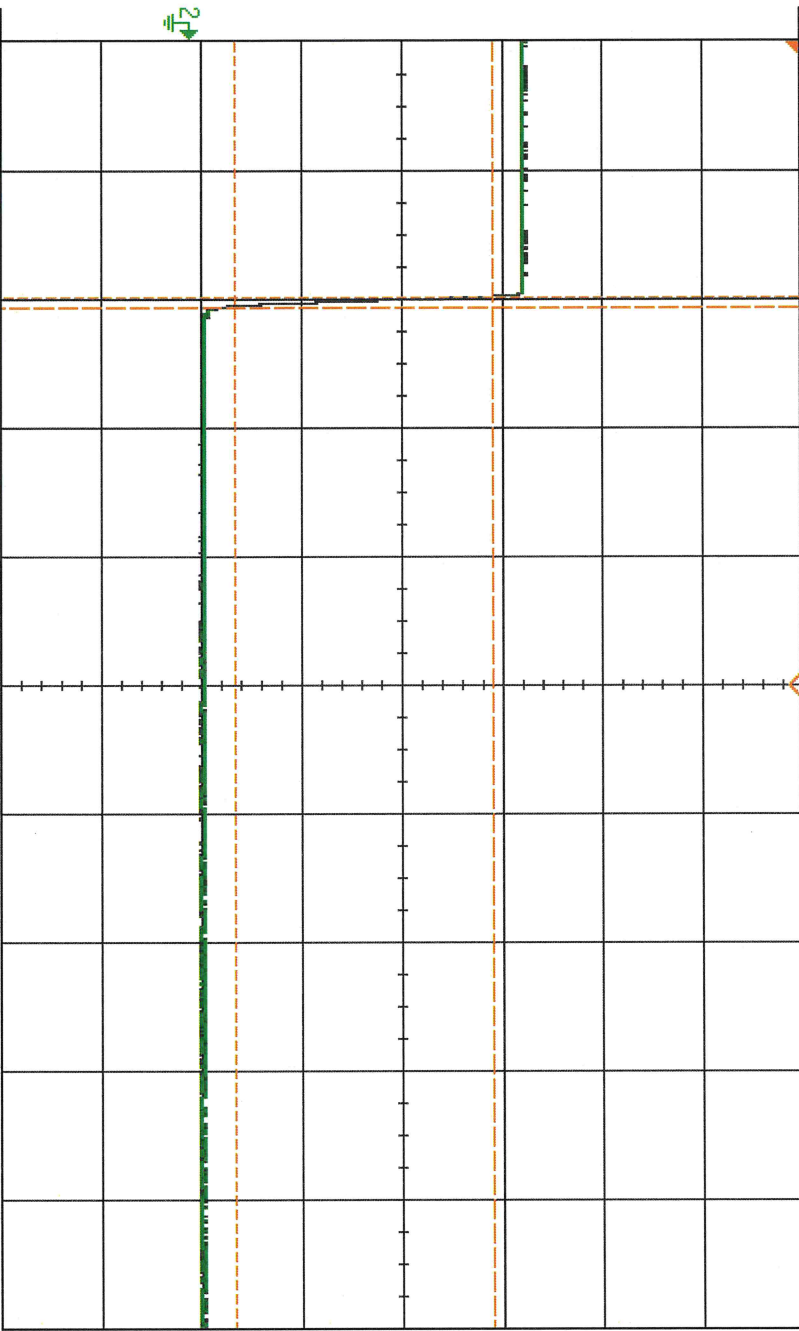
PL56121
Recovery Fall @ -50dbm

DSO-X 3024A, MY54490369, Wed Nov 12 14:32:01 2025

1 2 400ns/ 3 4

11.05ms 500.0ns/ Auto

F E 3.17V



Save to file = pl56121_rec_fall_50

Save

Recall

Default/Erase

Press to Save

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]: 512.10mV

Rise[2]: No edges

Fall[2]: 37.2ns

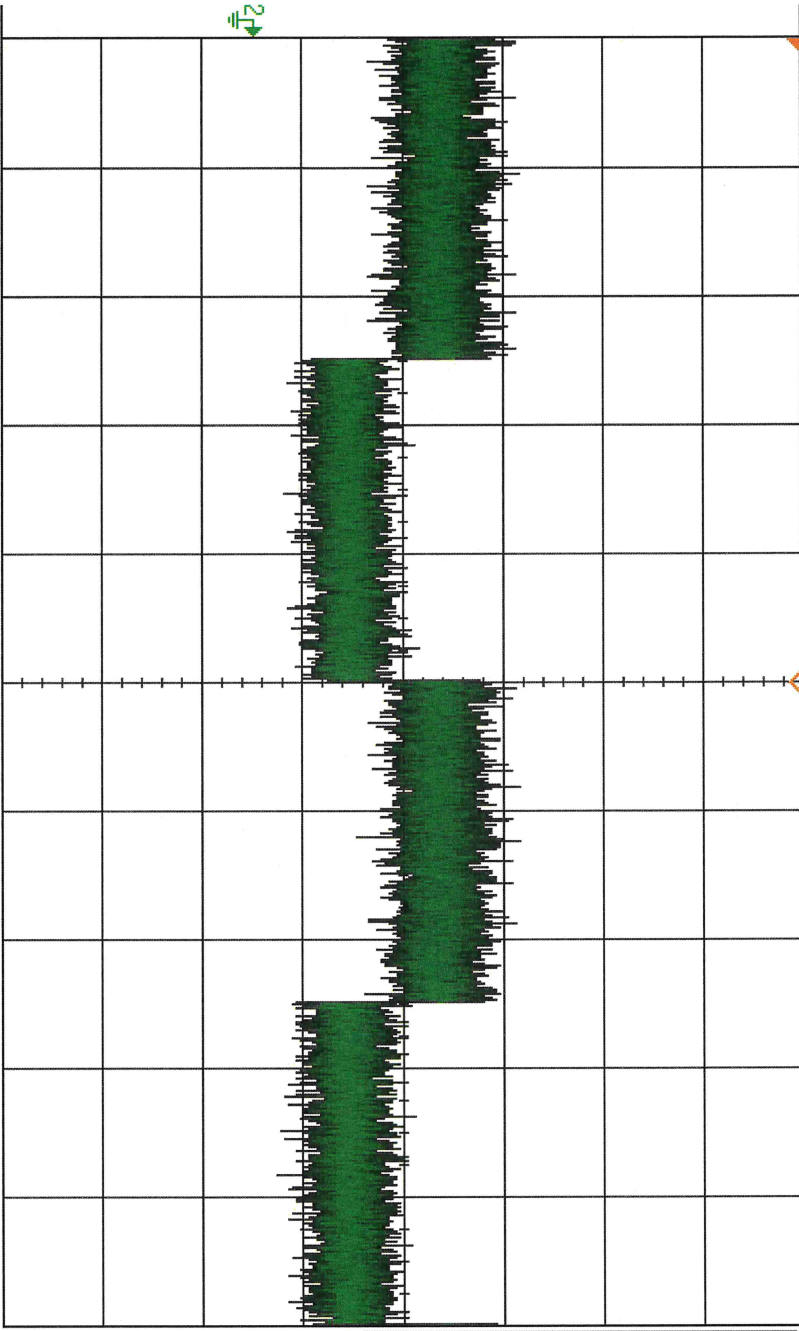
PL56121
TSS -73 dbm

DSO-X 3024A, MW54490369, Wed Nov 12 17:02:18 2025

1 2 50% / 3 4

11.00ns 20.00ns/ Auto

F E 3.17V



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

Acquire Menu
Acq Mode Normal

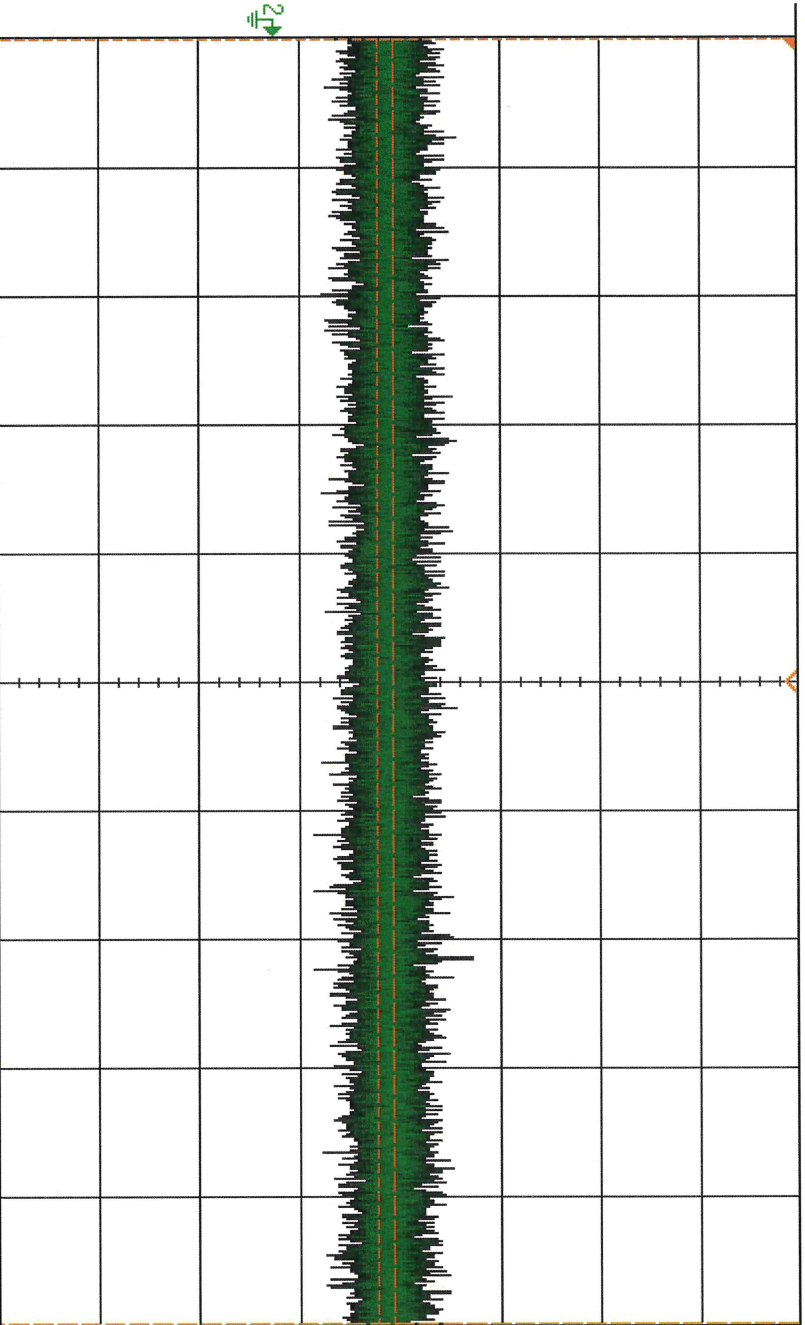
Avgs 128

Segmented

PL56121
RMS noise

DSO-X 3024A, MY54490369, Wed Nov 12 17:03:01 2025

1 2 50mV 3 4 11.00ms 20.00ns/ Auto F E 3.17V



Measurement Menu

Source 2 Type: AC RMS - FS Add Measurement Settings Clear Meas Statistics

Channels	Measurements
DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1
Measurements	
Rise(2):	26ns
Fall(2):	36ns
AC RMS - FS(2):	8.06mV

PL56121
CW Immune @ -40dBm

DSO-X 3024A, MY54490369, Wed Nov 12 16:52:18 2025

1 2 500ns/ 3

4

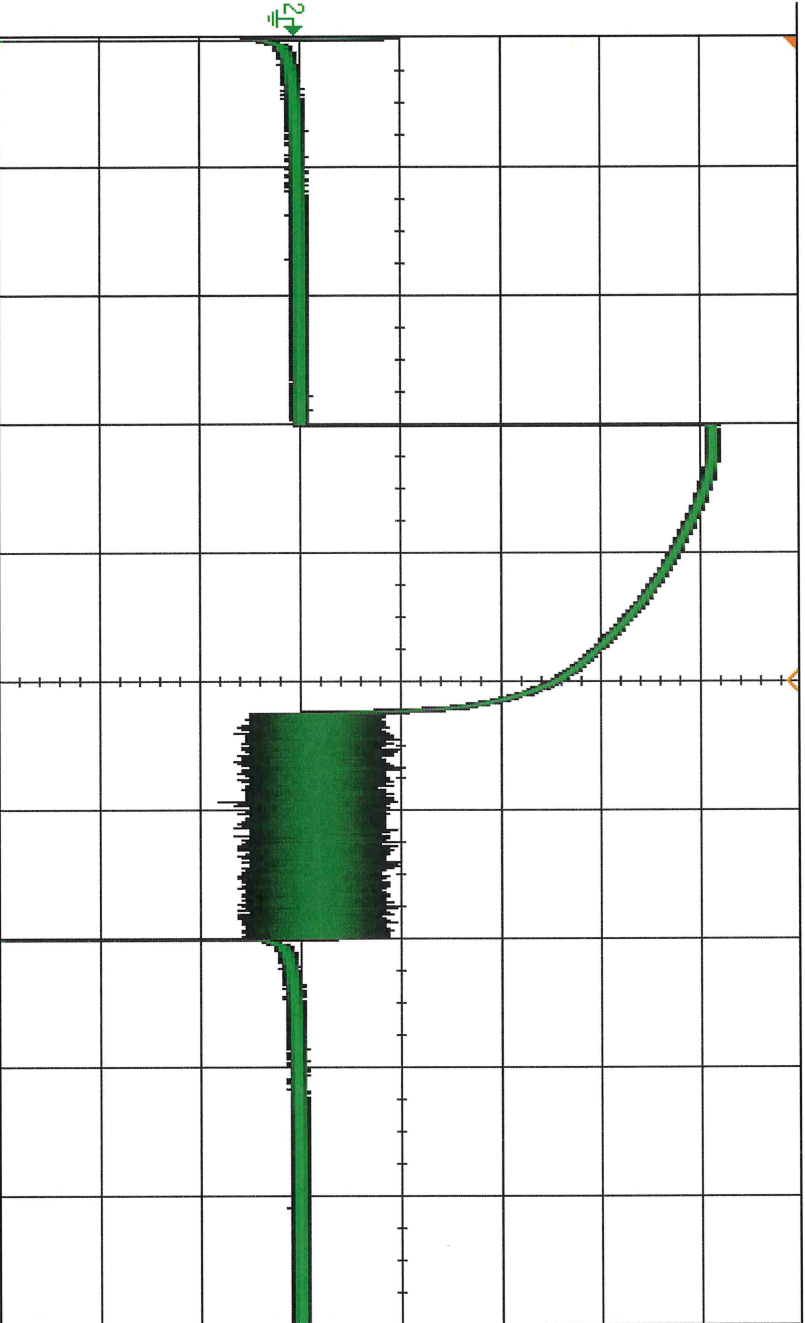
8.980m

1.000m/

Auto

F E

3.17V



Channels	Settings
1	DC 1.00:1
2	DC 1.00:1
3	DC 1.00:1
4	DC 1.00:1

Acquisition: Normal
200MSa/s

Save to file = pl56121_cw Immune_40

Format PNG

Save to USB

File Name

Settings

Press to Save

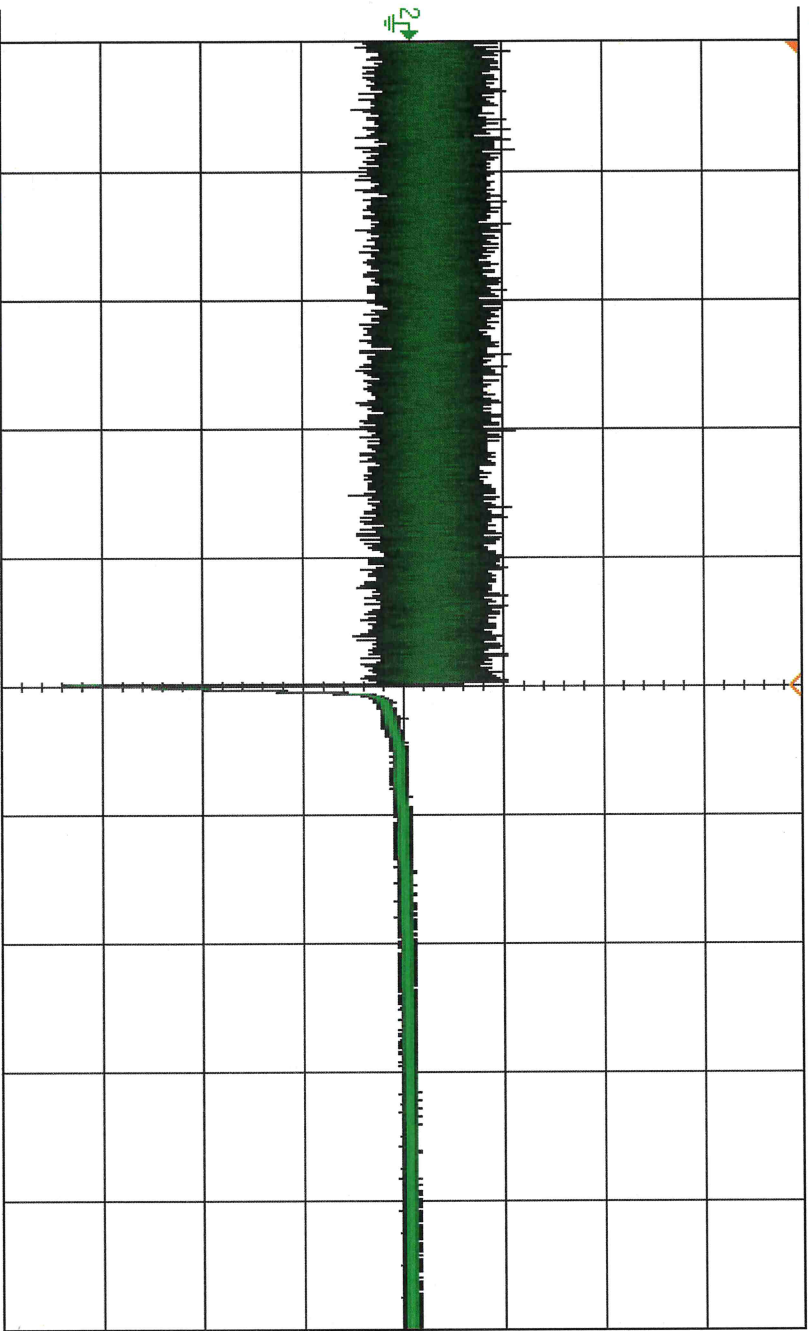
PL56121
CW RECOVERY

DSO-X 3024A, MY54490369, Wed Nov 12 16:53:03 2025

1 2 500µV / 3 4

11.00ms 100.0kV / Auto

f E 3.17V



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

Save to file = pl56121_cw_recovery

Format PNG

Save to USB

File Name

Settings

Press to Save