

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

Customer: _____ Tested By: DA
 SO No: _____ Temperature: +25°C (Unless Otherwise Specified)
 Model No: ERDLVA-2G8G-65-70MV-2 Date 12/5/2025
 Serial No: PL56575/2549 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 QA3
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 (By Design)	
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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ERDLVA-2G8G-65-70MV-2**

Serial No: PL56575/2549

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
6	TSS:	-71 dBm	73dBm	PMI QAS
7	Dynamic Range:	-65 to 0 dBm	-65 to 0 dBm	
8	Log Slope:	70 mV/dB ±3 mV/dB	70.90/69.58mV/dB	
9	Log Linearity:	±1.0 dB Max	+38/-49dB	
10	Log Accuracy @ 25°C:	±1.25 dB Max	+1.19/-1.18dB	
11	Absolute Log Accuracy:	±2.0 dB Max	+1.63/-1.68dB	
12	DC Offset:	±70 mV	23mV	
13	Rise Time:	28 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	24.5ns @ 0dBm-See Plots	
14	Fall Time:	300 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	141.6ns @ 0dBm-See Plots	
15	Settling Time:	50 ns Max (From 10% to within 70 mV of final value @ -40 & -10 dBm)	Pass	
16	Recovery Time:	1 us Max (From 90% to within ±1.5 dB of baseline)	<1.0us	
17	Video Frequency Flatness:	±1.25 dB Max @ 25°C	±1.12dB	
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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Serial No: PL56575/2549

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
20	Video Output @ -65 dBm:	330 ± 88 mV Over Frequency	368/255mV	PMI QAS
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 (By Design)	
23	Noise Level:	20 mV RMS Max	12.01mV	
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 -40dBm	
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	-50 dBm = Pass -40 dBm = Pass	
29	CW Immue Time @ CW = -40 dBm	4 ms Max	<4.0ms	
30	CW Recovery Time @ CW = -40 dBm	120 us Max	<100us	
31	DC Power:	+15V (±5%) @ 500 mA Max -15V (±5%) @ 200 mA Max	464mA 140mA	
32	Ripple DC to 10 MHz	100 mV Max	<100mV	

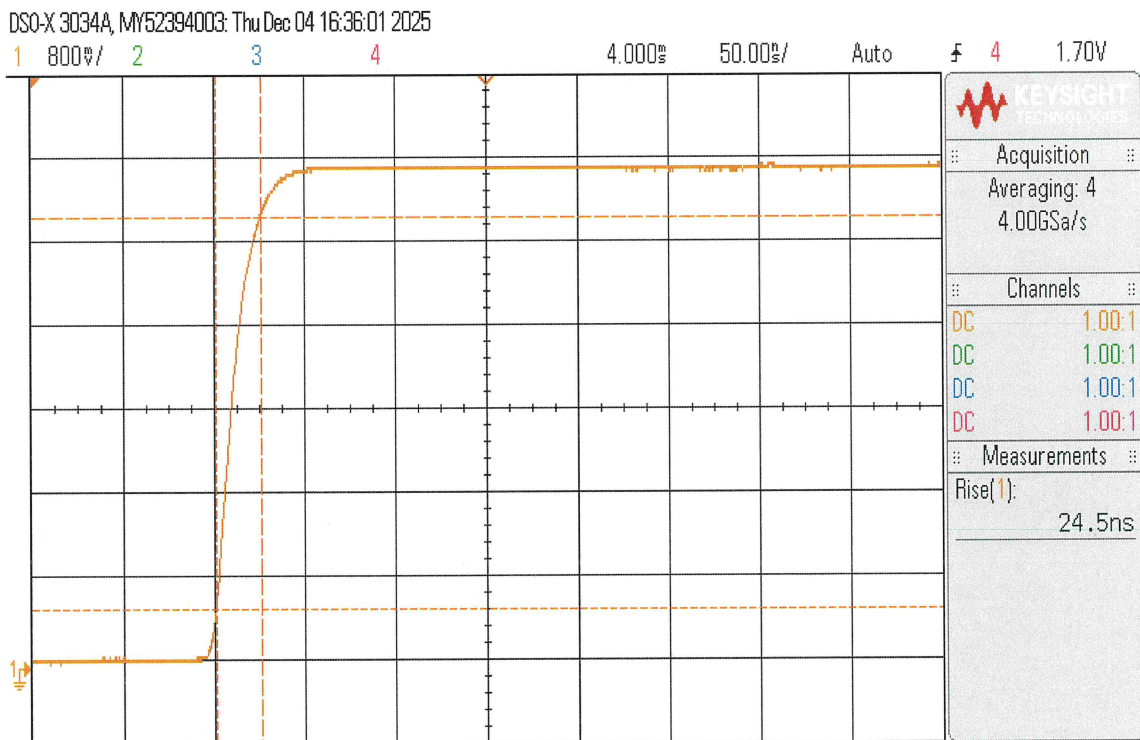
QA/QC Approval: K. Manning Date: 12-7-25

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

Serial No: PL56575/2549

RISE TIME/SETTING TIME @ 0dBm



Acquire Menu

Acq Mode
Averaging

Avgs
4

Segmented

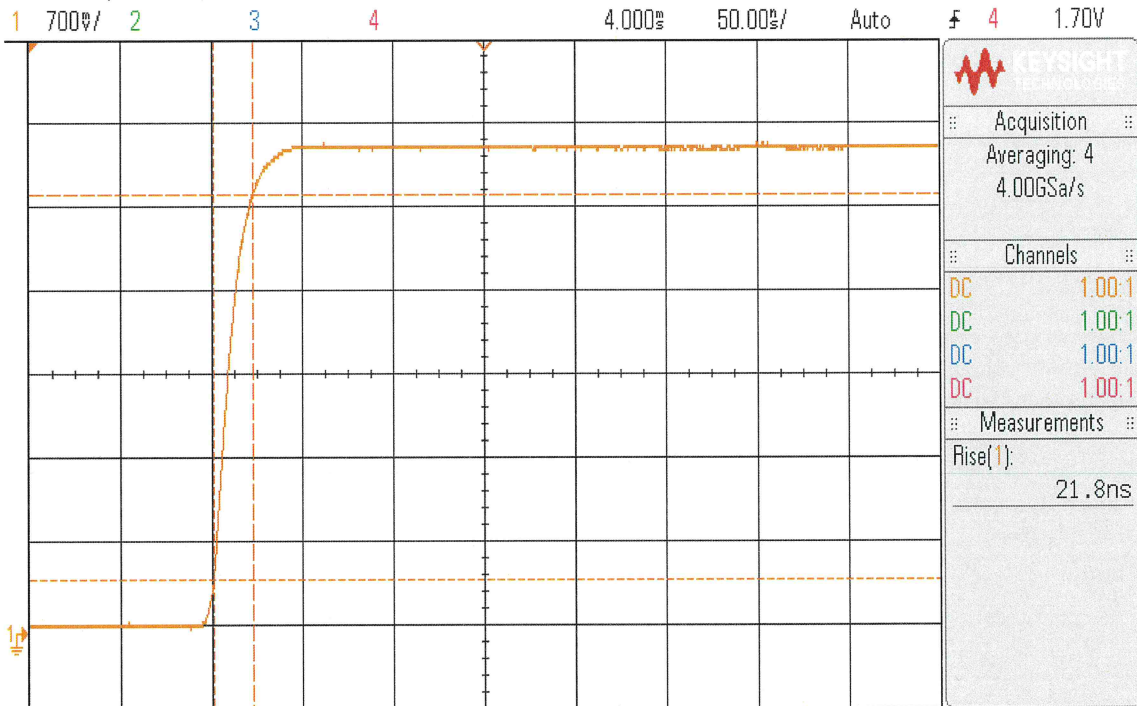
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**Summary Data
For
ERDLVA-2G8G-65-70MV-2**

Serial No: PL56575/2549

RISE TIME/SETTING TIME @ -10dBm

DSO-X 3034A, MY52394003: Thu Dec 04 16:35:38 2025



Acquire Menu

Acq Mode
Averaging

Avgs
4

Segmented

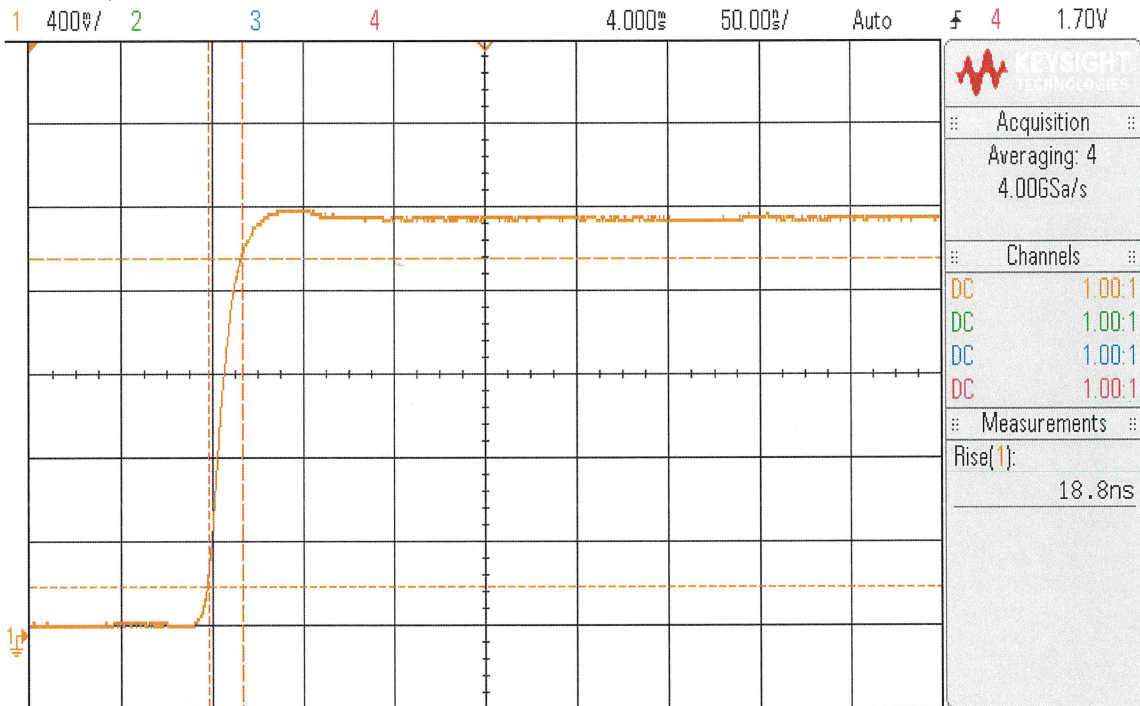
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**Summary Data
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ERDLVA-2G8G-65-70MV-2**

Serial No: PL56575/2549

RISE TIME/SETTING TIME @ -40dBm

DSO-X 3034A, MY52394003: Thu Dec 04 16:35:06 2025



Acquire Menu

Acq Mode
Averaging

Avgs
4

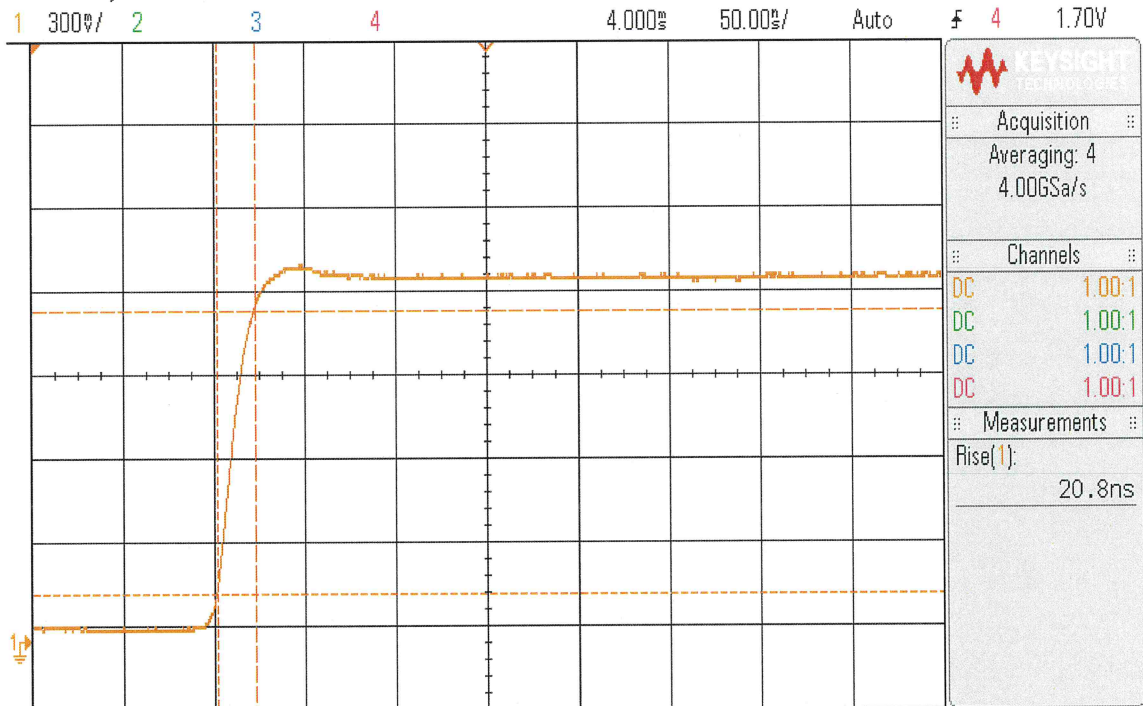
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**Summary Data
For
ERDLVA-2G8G-65-70MV-2**

Serial No: PL56575/2549

RISE TIME/SETTING TIME @ -50dBm

DSO-X 3034A, MY52394003: Thu Dec 04 16:34:38 2025



Acquire Menu

Acq Mode
Averaging

Avgs
4

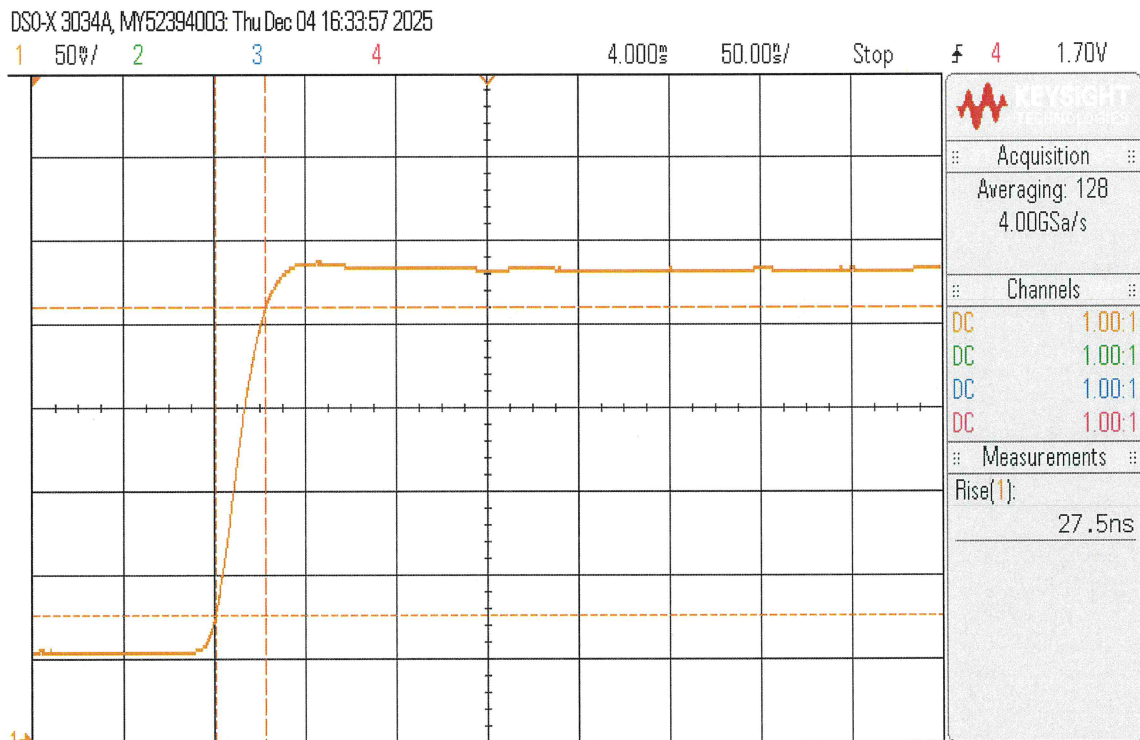
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**Summary Data
For
ERDLVA-2G8G-65-70MV-2**

Serial No: PL56575/2549

RISE TIME/SETTING TIME @ -65dBm



Acquire Menu

Acq Mode
Averaging

Avgs
128

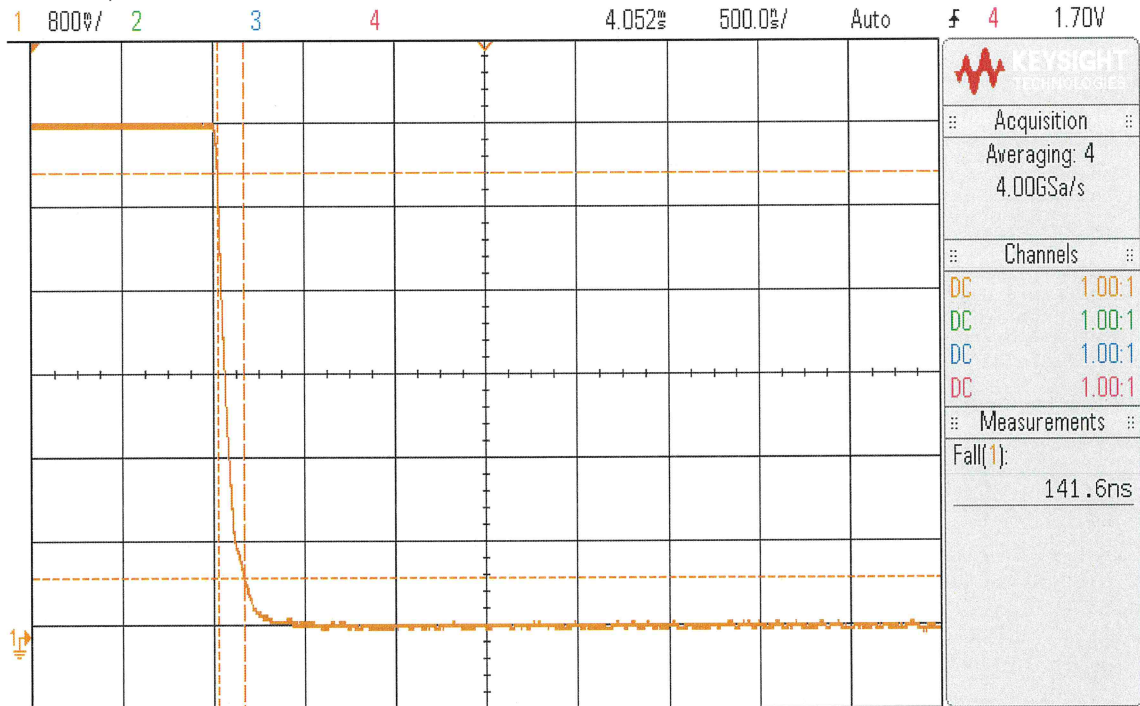
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**Summary Data
For
ERDLVA-2G8G-65-70MV-2**

Serial No: PL56575/2549

RECOVERY TIME @ 0dBm

DSO-X 3034A, MY52394003: Fri Dec 05 06:23:25 2025



Measurement Menu

Source 1 | Type: Fall | Add Measurement | Settings | Clear Meas | Statistics

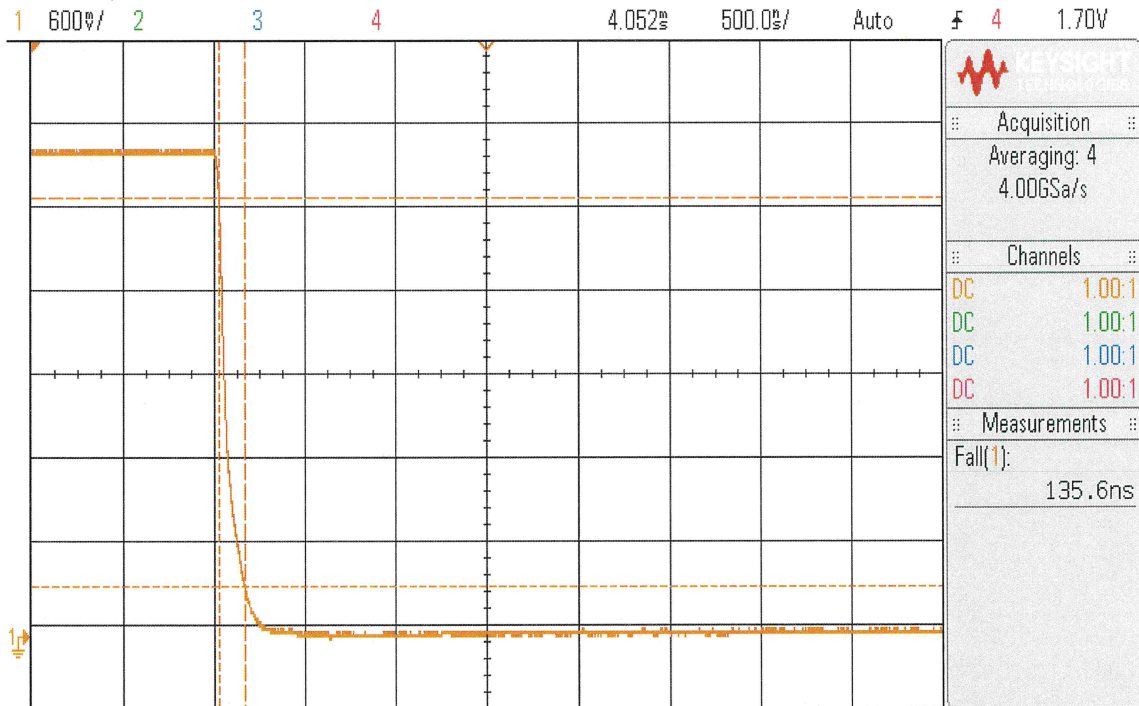
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**Summary Data
For
ERDLVA-2G8G-65-70MV-2**

Serial No: PL56575/2549

RECOVERY TIME @ -20dBm

DSO-X 3034A, MY52394003: Fri Dec 05 06:23:56 2025



Measurement Menu

Source 1 Type: Fall Add Measurement Settings Clear Meas Statistics

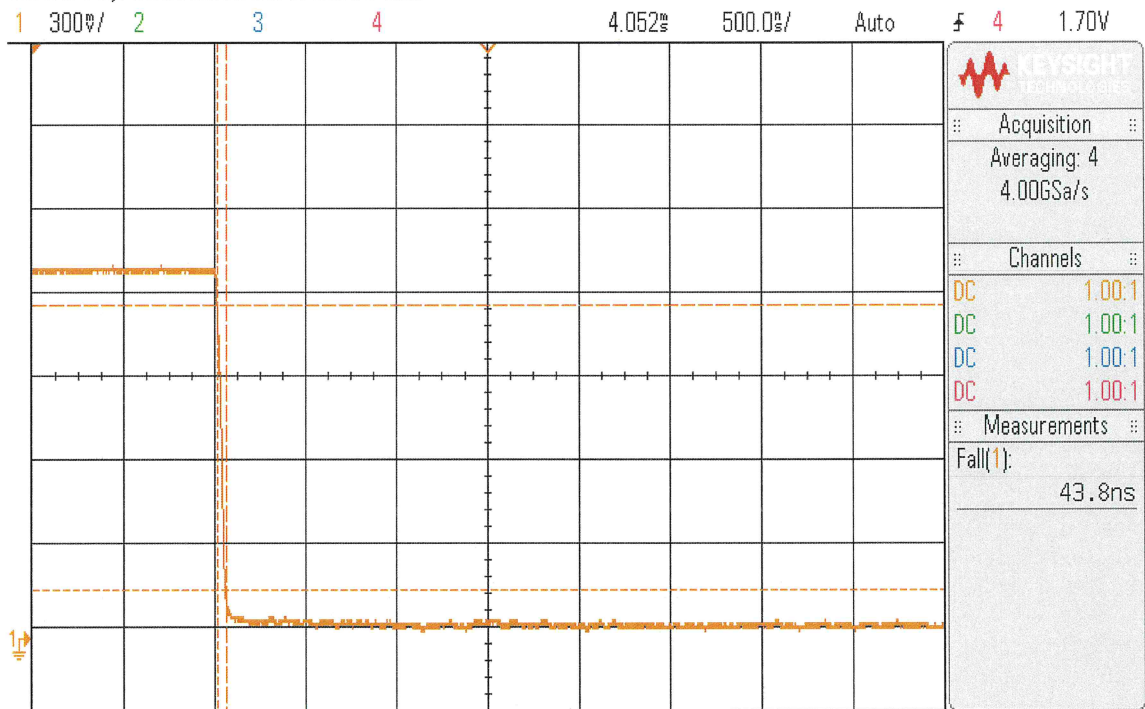
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**Summary Data
For
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Serial No: PL56575/2549

RECOVERY TIME @ -50dBm

DSO-X 3034A, MY52394003: Fri Dec 05 06:24:27 2025

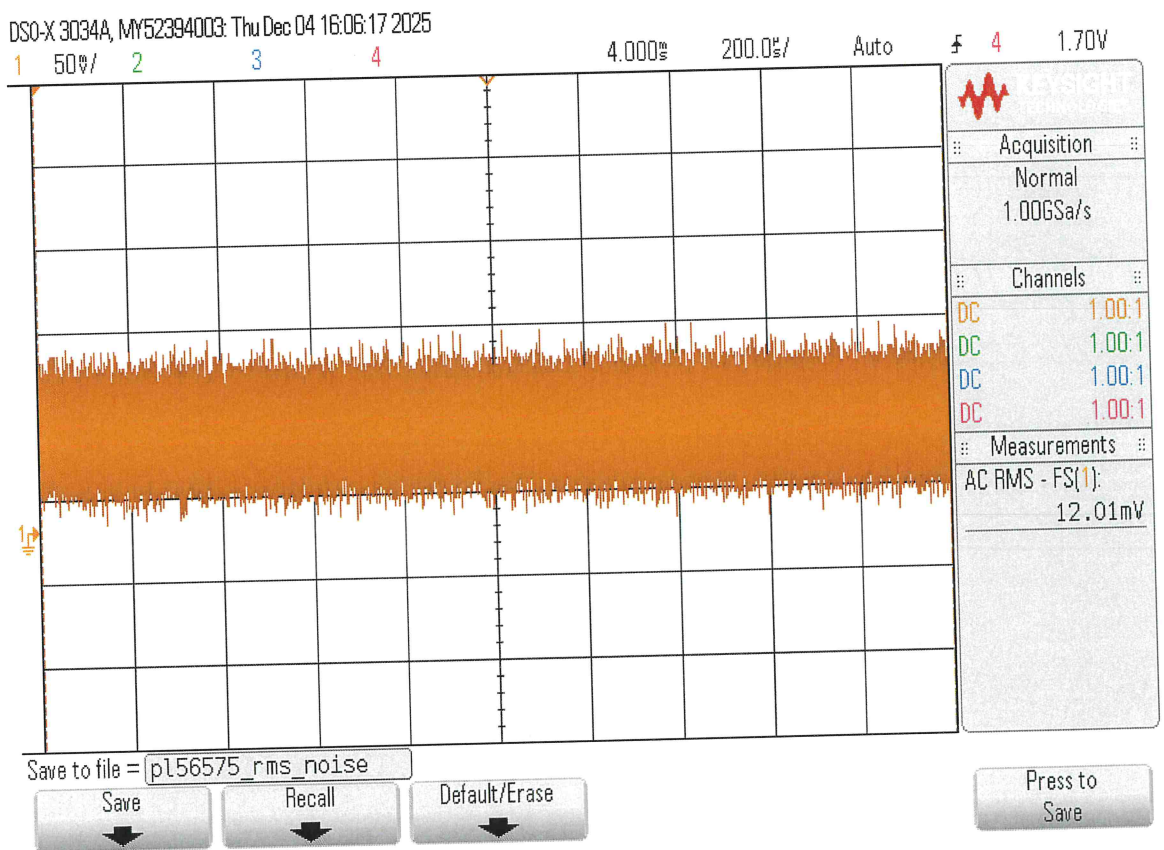


Save to file = pl56575_fall_50

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

Serial No: PL56575/2549

RMS NOISE



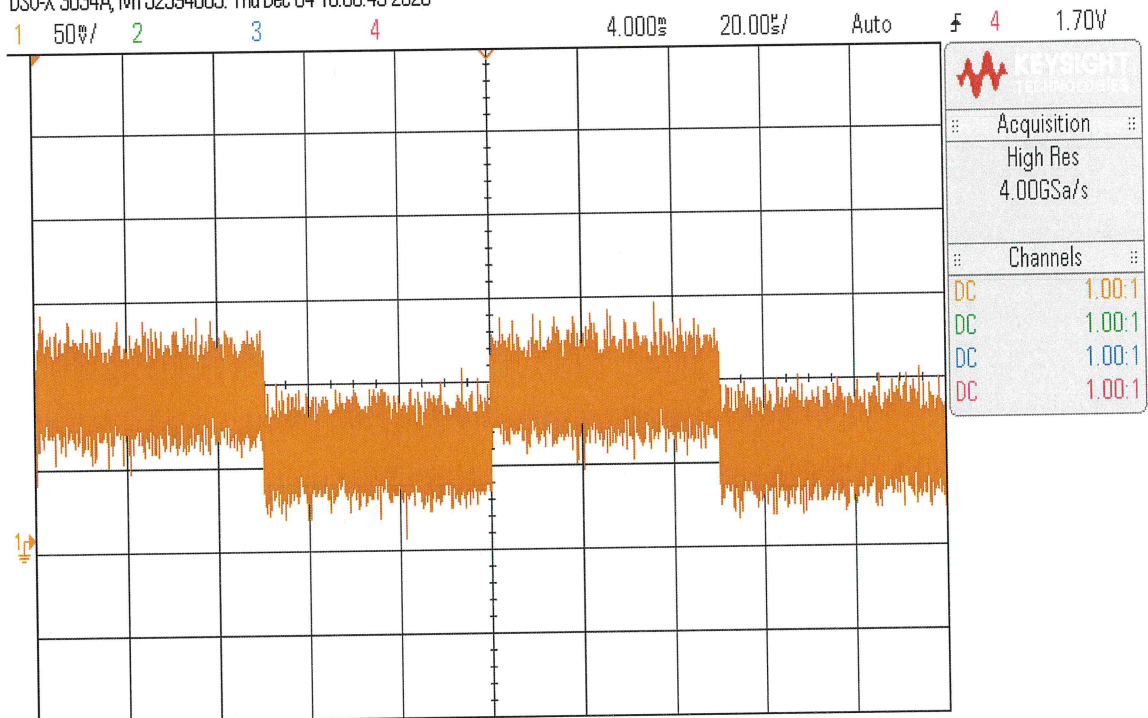
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Summary Data
For
ERDLVA-2G8G-65-70MV-2

Serial No: PL56575/2549

TSS

DSO-X 3034A, MY52394003: Thu Dec 04 16:08:49 2025



KEYSIGHT
TECHNOLOGIES

Acquisition

High Res
4.00GSa/s

Channels

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

Acquire Menu

Acq Mode
High Res

Avgs
1

Segmented

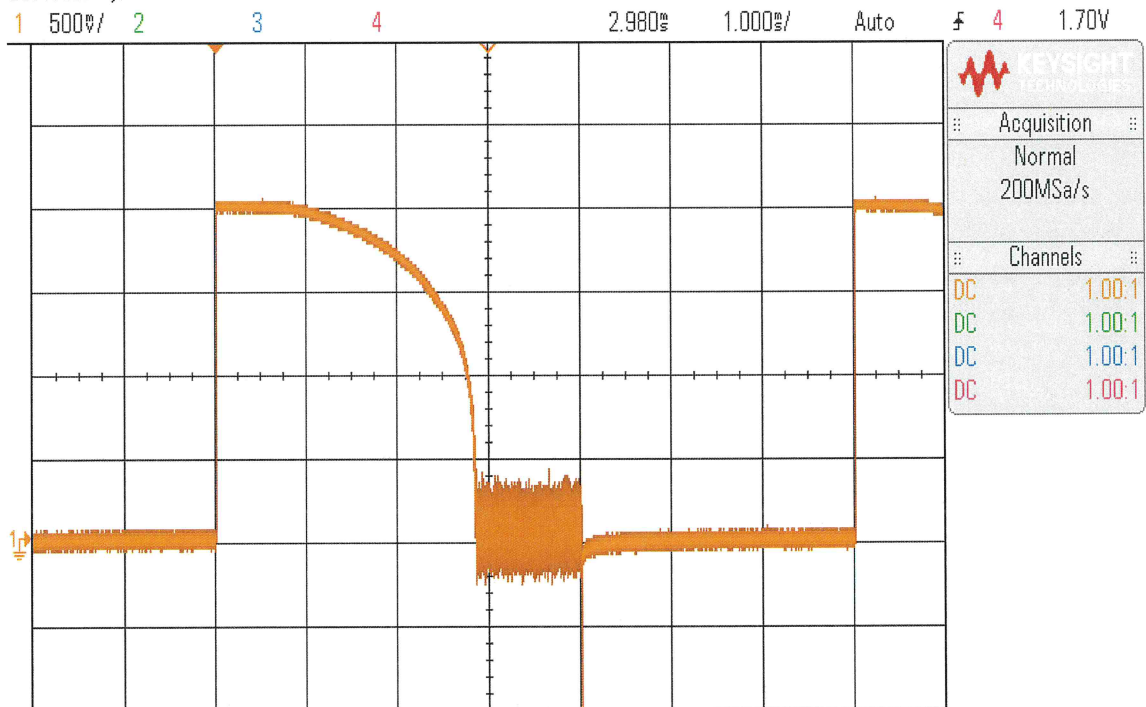
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

**Summary Data
For
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Serial No: PL56575/2549

CW IMMUNITY TIME

DSO-X 3034A, MY52394003: Wed Dec 03 14:38:22 2025



Acquire Menu

Acq Mode
Normal

Avgs
4

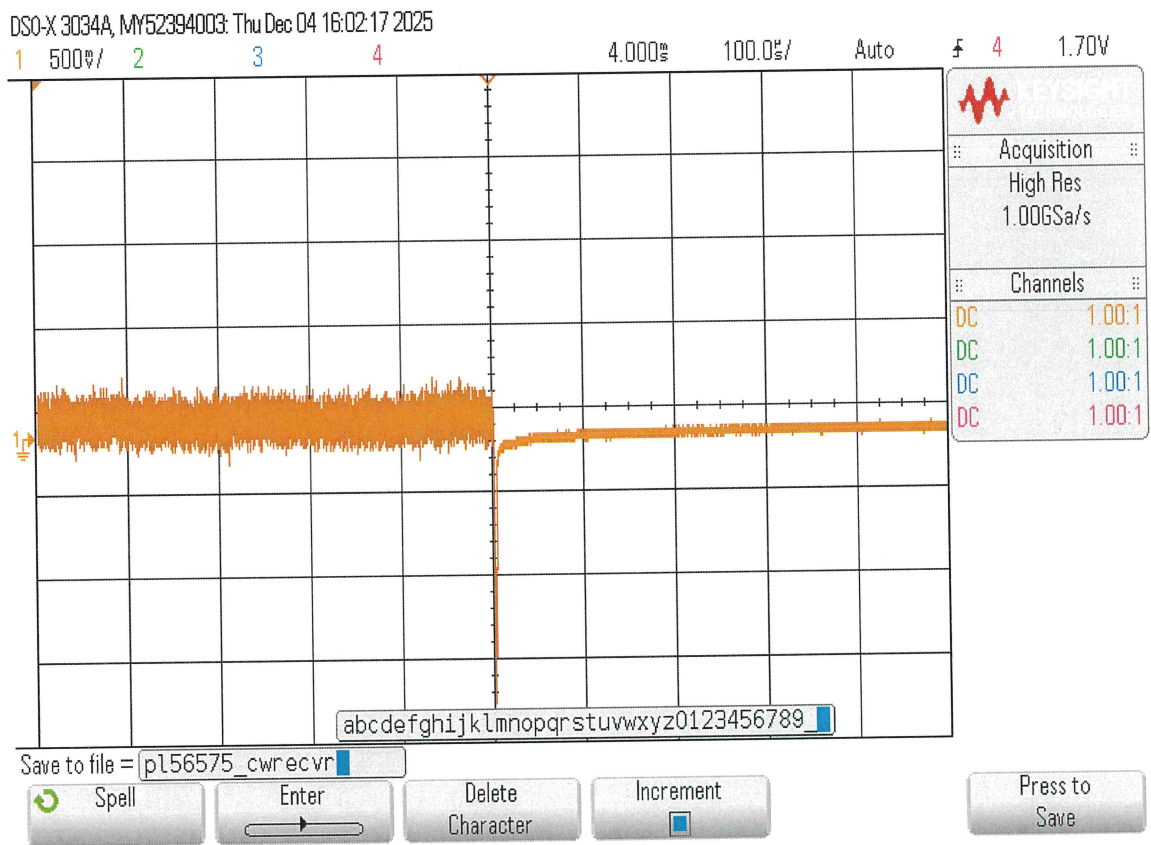
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**Summary Data
For
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Serial No: PL56575/2549

CW RECOVERY TIME



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: ERLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 12-02-25
 SERIAL NO: PL56575-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= 0.023

Frequency

2000 MHz	INTERCEPT (mV)	4871.5
	SLOPE (mV/dB)	69.81

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
320	697	1041	1376	1752	2085	2442	2743	3111	3454	3825	4160	4549	4884	
-14	14	9	-5	22	6	14	-34	-15	-21	1	-13	27	13	
-0.20	0.20	0.13	-0.07	0.31	0.08	0.20	-0.49	-0.22	-0.31	0.01	-0.19	0.38	0.18	
0.12	0.48	0.37	0.13	0.48	0.21	0.28	-0.44	-0.21	-0.33	-0.06	-0.30	0.23	-0.01	

RF Input Power (dBm)

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

3000 MHz	INTERCEPT (mV)	4913.2
	SLOPE (mV/dB)	69.58

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
368	747	1094	1429	1802	2139	2497	2802	3175	3509	3861	4205	4585	4914	
-23	8	8	-5	20	9	19	-24	1	-13	-9	-12	20	1	
-0.33	0.12	0.11	-0.08	0.28	0.13	0.27	-0.34	0.02	-0.18	-0.12	-0.18	0.28	0.01	
0.80	1.19	1.12	0.88	1.19	0.98	1.06	0.40	0.70	0.45	0.45	0.34	0.74	0.42	

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

4000 MHz	INTERCEPT (mV)	4893.2
	SLOPE (mV/dB)	70.35

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
311	683	1029	1365	1738	2076	2444	2766	3140	3478	3841	4178	4558	4890	
-10	11	5	-11	10	-3	13	-17	5	-8	3	-12	17	-3	
-0.14	0.15	0.07	-0.15	0.15	-0.05	0.18	-0.24	0.08	-0.12	0.04	-0.17	0.24	-0.05	
-0.01	0.28	0.20	-0.03	0.28	0.08	0.31	-0.11	0.20	0.01	0.17	-0.04	0.36	0.08	

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

5000 MHz	INTERCEPT (mV)	4899.3
	SLOPE (mV/dB)	70.58

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
305	677	1023	1359	1730	2068	2440	2769	3143	3480	3839	4176	4563	4904	
-7	13	6	-11	7	-8	11	-13	8	-8	-2	-18	17	5	
-0.09	0.18	0.08	-0.16	0.10	-0.11	0.16	-0.18	0.12	-0.11	-0.02	-0.25	0.23	0.07	
-0.09	0.20	0.11	-0.11	0.16	-0.03	0.25	-0.07	0.25	0.04	0.14	-0.07	0.43	0.28	

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

6000 MHz	INTERCEPT (mV)	4867.8
	SLOPE (mV/dB)	70.90

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
264	620	973	1313	1675	2018	2390	2734	3110	3450	3814	4139	4526	4866	
4	6	4	-10	-3	-14	4	-7	15	0	10	-20	13	-2	
0.06	0.08	0.06	-0.14	-0.04	-0.20	0.05	-0.10	0.21	0.00	0.14	-0.28	0.18	-0.03	
-0.68	-0.61	-0.60	-0.76	-0.62	-0.74	-0.46	-0.57	-0.22	-0.39	-0.22	-0.60	-0.09	-0.26	

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

7000 MHz	INTERCEPT (mV)	4851.6
	SLOPE (mV/dB)	70.77

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
259	612	965	1304	1660	2004	2377	2722	3095	3439	3803	4121	4511	4851	
7	6	6	-9	-7	-17	2	-7	13	3	13	-23	13	-1	
0.10	0.09	0.08	-0.13	-0.10	-0.24	0.03	-0.09	0.18	0.04	0.19	-0.32	0.19	-0.01	
-0.75	-0.73	-0.71	-0.89	-0.83	-0.94	-0.64	-0.74	-0.44	-0.55	-0.37	-0.85	-0.31	-0.48	

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

8000 MHz	INTERCEPT (mV)	4827.8
	SLOPE (mV/dB)	70.50

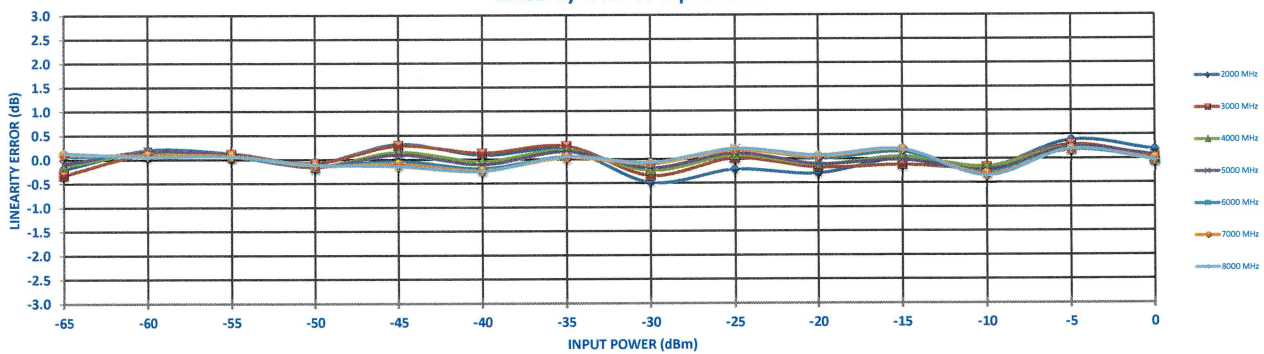
	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
255	602	955	1295	1645	1990	2364	2708	3080	3423	3784	4098	4489	4825	
10	4	5	-8	-10	-18	4	-5	15	5	14	-25	14	-3	
0.13	0.06	0.06	-0.11	-0.15	-0.25	0.05	-0.07	0.21	0.07	0.19	-0.35	0.19	-0.04	
-0.80	-0.87	-0.85	-1.02	-1.05	-1.14	-0.83	-0.94	-0.65	-0.77	-0.64	-1.18	-0.62	-0.84	

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

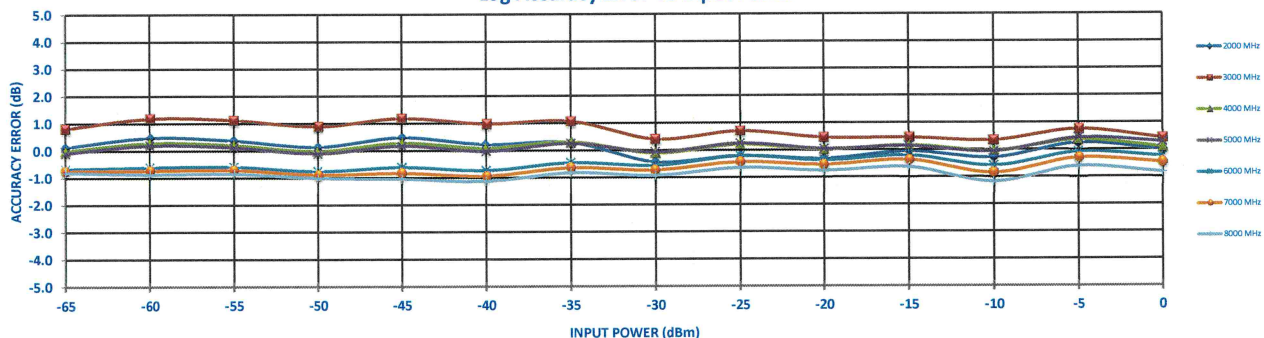
Flatness	+/- dB	0.80	1.03	0.99	0.95	1.12	1.06	0.95	0.67	0.68	0.61	0.55	0.76	0.68	0.63
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-65dBm mV-Out	368	Max
	255	Min

Linearity Error VS Input Power



Log Accuracy Error VS Input Power



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 12-04-25
 SERIAL NO: PL56575-RF

Test Temp: -10C



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 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= 0.026

Frequency

2000 MHz	INTERCEPT (mV)	4938.6
	SLOPE (mV/dB)	71.57

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
321	678	1012	1351	1721	2046	2412	2731	3118	3482	3886	4225	4628	4965	
34	34	10	-9	3	-30	-22	-60	-31	-25	21	2	47	26	
0.48	0.47	0.14	-0.13	0.04	-0.42	-0.30	-0.85	-0.44	-0.35	0.29	0.03	0.66	0.37	
0.92	0.86	0.50	0.20	0.33	-0.17	-0.09	-0.67	-0.31	-0.26	0.34	0.04	0.63	0.30	

RF Input Power (dBm)

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

3000 MHz	INTERCEPT (mV)	4976.1
	SLOPE (mV/dB)	71.48

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
354	719	1051	1391	1760	2088	2463	2785	3176	3530	3917	4261	4656	4992	
24	32	6	-11	0	-29	-11	-47	-13	-17	13	0	37	16	
0.33	0.44	0.09	-0.16	0.01	-0.41	-0.16	-0.65	-0.18	-0.23	0.18	0.00	0.52	0.22	
1.37	1.43	1.04	0.75	0.87	0.41	0.61	0.08	0.50	0.41	0.77	0.54	1.02	0.68	

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

4000 MHz	INTERCEPT (mV)	4953.5
	SLOPE (mV/dB)	72.13

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
301	659	991	1331	1700	2029	2407	2752	3137	3497	3895	4238	4629	4963	
36	33	5	-16	-8	-39	-22	-38	-13	-14	23	6	36	9	
0.50	0.46	0.07	-0.22	-0.10	-0.54	-0.30	-0.52	-0.18	-0.19	0.33	0.08	0.50	0.13	
0.64	0.60	0.20	-0.08	0.03	-0.40	-0.16	-0.38	-0.04	-0.05	0.47	0.22	0.64	0.27	

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

5000 MHz	INTERCEPT (mV)	4962.9
	SLOPE (mV/dB)	72.53

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
292	645	980	1320	1686	2017	2397	2753	3140	3501	3893	4238	4637	4981	
43	34	6	-16	-13	-45	-27	-34	-10	-11	18	0	37	18	
0.60	0.47	0.09	-0.23	-0.18	-0.62	-0.38	-0.47	-0.13	-0.16	0.25	0.01	0.51	0.25	
0.51	0.41	0.05	-0.23	-0.16	-0.57	-0.30	-0.37	0.00	0.00	0.44	0.22	0.75	0.52	

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

6000 MHz	INTERCEPT (mV)	4919.9
	SLOPE (mV/dB)	72.64

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
251	591	931	1273	1629	1966	2340	2710	3096	3461	3862	4194	4592	4931	
53	30	6	-15	-22	-48	-37	-31	-8	-6	32	0	35	11	
0.73	0.41	0.09	-0.20	-0.30	-0.66	-0.52	-0.42	-0.11	-0.08	0.44	0.01	0.49	0.15	
-0.06	-0.34	-0.63	-0.89	-0.95	-1.28	-1.09	-0.96	-0.61	-0.55	0.01	-0.39	0.13	-0.17	

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

7000 MHz	INTERCEPT (mV)	4905.2
	SLOPE (mV/dB)	72.50

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
247	584	926	1267	1618	1956	2330	2699	3084	3452	3852	4175	4578	4919	
54	29	8	-13	-25	-49	-38	-31	-9	-3	34	-5	35	14	
0.75	0.39	0.11	-0.18	-0.34	-0.68	-0.52	-0.43	-0.12	-0.05	0.47	-0.07	0.49	0.19	
-0.11	-0.44	-0.70	-0.97	-1.10	-1.42	-1.23	-1.11	-0.78	-0.67	-0.13	-0.65	-0.06	-0.34	

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

8000 MHz	INTERCEPT (mV)	4883.1
	SLOPE (mV/dB)	72.04

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
249	589	928	1269	1617	1954	2329	2693	3077	3442	3835	4154	4558	4893	
48	28	7	-12	-24	-48	-33	-29	-5	0	32	-9	35	10	
0.67	0.39	0.10	-0.17	-0.34	-0.66	-0.46	-0.40	-0.07	-0.01	0.45	-0.12	0.49	0.14	
-0.08	-0.37	-0.67	-0.94	-1.12	-1.44	-1.24	-1.20	-0.87	-0.81	-0.36	-0.94	-0.34	-0.70	

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

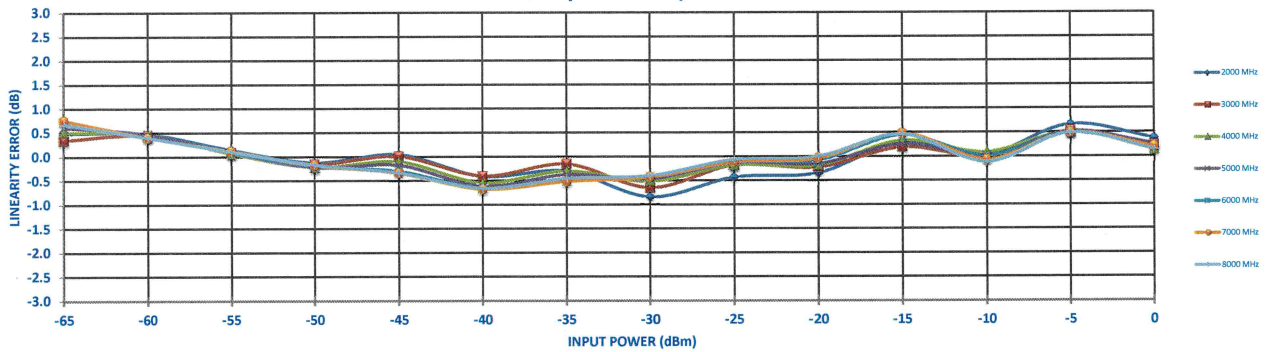
Flatness +/- dB

0.74	0.94	0.87	0.86	0.99	0.93	0.93	0.64	0.69	0.61	0.57	0.74	0.68	0.69	
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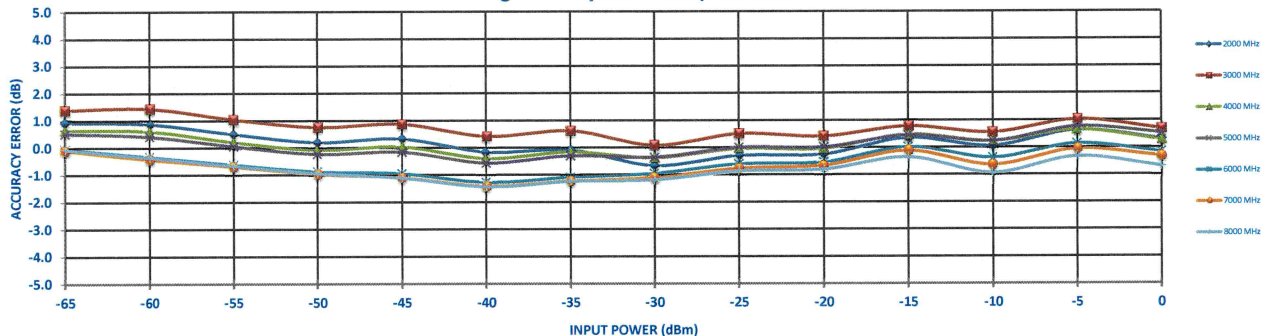
-65dBm mV-Out

354	Max
247	Min

Linearity Error VS Input Power



Log Accuracy Error VS Input Power



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 12-04-25
 SERIAL NO: PL56575-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= 0.033

Frequency

2000 MHz	INTERCEPT (mV)	4798.9
	SLOPE (mV/dB)	68.33

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	336	697	1042	1377	1751	2084	2435	2730	3084	3416	3770	4099	4474	4799
Error (mV)	-21	-2	1	-5	27	18	28	-19	-7	-16	-4	-17	17	0
LINEARITY ERROR (dB)	-0.31	-0.03	0.02	-0.08	0.39	0.27	0.41	-0.28	-0.10	-0.24	-0.06	-0.24	0.25	0.00
ACCURACY ERROR (dB)	0.52	0.77	0.79	0.66	1.09	0.93	1.04	0.33	0.47	0.30	0.44	0.23	0.68	0.40

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

3000 MHz	INTERCEPT (mV)	4822.7
	SLOPE (mV/dB)	68.00

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	372	737	1084	1418	1788	2124	2473	2770	3129	3456	3790	4129	4495	4811
Error (mV)	-30	-5	1	-5	25	21	30	-13	6	-7	-13	-14	12	-12
LINEARITY ERROR (dB)	-0.45	-0.08	0.02	-0.07	0.37	0.32	0.45	-0.18	0.09	-0.10	-0.19	-0.20	0.18	-0.17
ACCURACY ERROR (dB)	1.05	1.35	1.40	1.25	1.63	1.52	1.59	0.91	1.13	0.88	0.73	0.66	0.98	0.58

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

4000 MHz	INTERCEPT (mV)	4787.6
	SLOPE (mV/dB)	68.90

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	298	649	995	1328	1701	2037	2402	2718	3081	3410	3753	4083	4451	4772
Error (mV)	-11	-5	-3	-15	14	5	25	-3	16	0	-1	-16	8	-16
LINEARITY ERROR (dB)	-0.16	-0.07	-0.05	-0.21	0.20	0.08	0.37	-0.04	0.23	0.00	-0.02	-0.23	0.11	-0.23
ACCURACY ERROR (dB)	-0.03	0.07	0.10	-0.06	0.37	0.25	0.56	0.15	0.43	0.21	0.20	-0.01	0.34	0.01

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

5000 MHz	INTERCEPT (mV)	4779.5
	SLOPE (mV/dB)	68.98

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	290	636	983	1316	1685	2024	2389	2710	3072	3399	3738	4070	4443	4773
Error (mV)	-6	-5	-3	-15	10	4	24	0	17	-1	-7	-20	8	-7
LINEARITY ERROR (dB)	-0.09	-0.07	-0.04	-0.21	0.14	0.05	0.34	0.00	0.25	-0.01	-0.10	-0.29	0.12	-0.09
ACCURACY ERROR (dB)	-0.15	-0.12	-0.07	-0.23	0.13	0.06	0.37	0.03	0.30	0.05	-0.02	-0.19	0.23	0.02

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

6000 MHz	INTERCEPT (mV)	4738.3
	SLOPE (mV/dB)	69.34

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	252	567	919	1254	1612	1956	2323	2662	3028	3361	3704	4024	4397	4730
Error (mV)	20	-11	-6	-18	-6	-9	11	4	23	9	6	-21	5	-8
LINEARITY ERROR (dB)	0.30	-0.16	-0.08	-0.25	-0.09	-0.13	0.16	0.05	0.33	0.14	0.08	-0.30	0.08	-0.12
ACCURACY ERROR (dB)	-0.70	-1.12	-1.00	-1.13	-0.93	-0.93	-0.59	-0.66	-0.34	-0.50	-0.52	-0.86	-0.44	-0.60

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

7000 MHz	INTERCEPT (mV)	4714.8
	SLOPE (mV/dB)	69.07

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	254	554	909	1243	1596	1942	2309	2646	3012	3345	3686	4001	4375	4707
Error (mV)	29	-16	-7	-18	-11	-10	12	3	24	12	7	-23	6	-8
LINEARITY ERROR (dB)	0.42	-0.24	-0.10	-0.26	-0.15	-0.14	0.17	0.05	0.35	0.17	0.11	-0.33	0.08	-0.11
ACCURACY ERROR (dB)	-0.67	-1.31	-1.15	-1.29	-1.16	-1.13	-0.79	-0.90	-0.58	-0.73	-0.78	-1.20	-0.76	-0.93

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

8000 MHz	INTERCEPT (mV)	4682.5
	SLOPE (mV/dB)	68.91

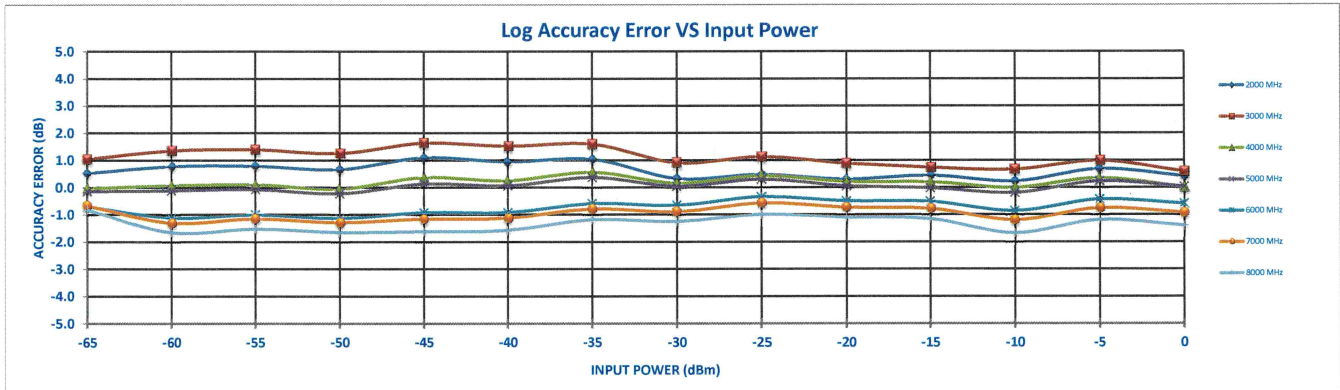
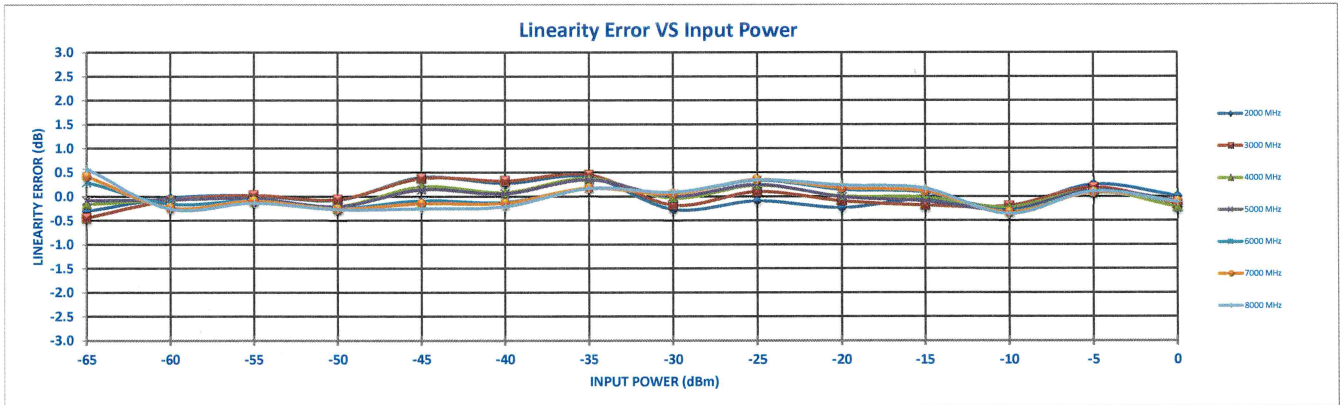
	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	243	530	883	1218	1564	1911	2282	2621	2983	3320	3660	3968	4345	4674
Error (mV)	39	-18	-10	-19	-18	-15	11	6	23	16	11	-25	7	-8
LINEARITY ERROR (dB)	0.57	-0.26	-0.14	-0.28	-0.26	-0.22	0.16	0.08	0.34	0.23	0.16	-0.37	0.10	-0.12
ACCURACY ERROR (dB)	-0.83	-1.66	-1.52	-1.65	-1.63	-1.58	-1.19	-1.26	-1.00	-1.10	-1.16	-1.68	-1.20	-1.41

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

Flatness	+/- dB
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0.94	1.50	1.46	1.45	1.63	1.55	1.39	1.08	1.06	0.99	0.94	1.17	1.09	1.00
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-65dBm mV-Out	372	Max
	243	Min



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 12-02-25
 SERIAL NO: PL56575-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= 0.022

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
2000 MHz	INTERCEPT (mV)	4860.2	310	681	1026	1362	1737	2071	2429	2731	3096	3440	3815	4147	4537	4876	Measured Value (mV)
	SLOPE (mV/dB)	69.86	-9	12	8	-5	20	5	14	-34	-18	-23	3	-15	26	16	Error (mV)
			-0.14	0.18	0.11	-0.08	0.29	0.07	0.20	-0.48	-0.25	-0.33	0.04	-0.21	0.37	0.23	LINEARITY ERROR (dB)
			0.01	0.28	0.18	-0.05	0.28	0.03	0.11	-0.60	-0.41	-0.52	-0.20	-0.48	0.06	-0.12	ACCURACY ERROR (dB)
3000 MHz	INTERCEPT (mV)	4909.9	363	742	1087	1423	1796	2133	2492	2797	3169	3504	3857	4200	4581	4914	Measured Value (mV)
	SLOPE (mV/dB)	69.63	-21	10	7	-6	19	8	19	-24	0	-13	-8	-14	19	4	Error (mV)
			-0.30	0.14	0.09	-0.08	0.28	0.12	0.27	-0.35	0.00	-0.19	-0.12	-0.20	0.28	0.06	LINEARITY ERROR (dB)
			0.76	1.14	1.05	0.82	1.12	0.91	1.01	0.34	0.63	0.39	0.40	0.27	0.69	0.42	ACCURACY ERROR (dB)
4000 MHz	INTERCEPT (mV)	4895.5	308	684	1028	1364	1739	2076	2444	2767	3140	3478	3842	4179	4560	4894	Measured Value (mV)
	SLOPE (mV/dB)	70.40	-11	13	5	-11	12	-3	13	-16	5	-9	3	-12	17	-1	Error (mV)
			-0.16	0.18	0.07	-0.16	0.17	-0.05	0.18	-0.23	0.07	-0.13	0.04	-0.18	0.23	-0.02	LINEARITY ERROR (dB)
			-0.02	0.32	0.21	-0.02	0.31	0.10	0.33	-0.09	0.21	0.02	0.19	-0.03	0.39	0.13	ACCURACY ERROR (dB)
5000 MHz	INTERCEPT (mV)	4900.3	303	677	1023	1359	1730	2068	2440	2770	3143	3479	3839	4176	4563	4907	Measured Value (mV)
	SLOPE (mV/dB)	70.61	-8	13	6	-11	7	-8	11	-12	8	-9	-2	-18	16	7	Error (mV)
			-0.11	0.19	0.09	-0.15	0.10	-0.11	0.16	-0.17	0.11	-0.13	-0.03	-0.26	0.22	0.10	LINEARITY ERROR (dB)
			-0.09	0.22	0.14	-0.09	0.18	-0.02	0.27	-0.04	0.26	0.03	0.14	-0.07	0.43	0.32	ACCURACY ERROR (dB)
6000 MHz	INTERCEPT (mV)	4861.5	260	613	967	1306	1666	2011	2382	2727	3101	3443	3809	4131	4520	4863	Measured Value (mV)
	SLOPE (mV/dB)	70.91	7	6	5	-10	-5	-14	2	-7	12	0	11	-21	13	1	Error (mV)
			0.10	0.08	0.08	-0.14	-0.07	-0.20	0.03	-0.10	0.17	-0.01	0.16	-0.30	0.18	0.02	LINEARITY ERROR (dB)
			-0.70	-0.69	-0.66	-0.84	-0.73	-0.83	-0.56	-0.65	-0.34	-0.48	-0.28	-0.71	-0.18	-0.31	ACCURACY ERROR (dB)
7000 MHz	INTERCEPT (mV)	4848.9	258	609	962	1302	1657	2002	2374	2720	3092	3436	3800	4118	4508	4850	Measured Value (mV)
	SLOPE (mV/dB)	70.76	9	6	5	-9	-8	-16	2	-6	12	2	13	-23	13	1	Error (mV)
			0.12	0.08	0.07	-0.12	-0.11	-0.23	0.02	-0.09	0.17	0.03	0.18	-0.33	0.18	0.01	LINEARITY ERROR (dB)
			-0.73	-0.74	-0.73	-0.90	-0.86	-0.95	-0.67	-0.75	-0.47	-0.58	-0.41	-0.89	-0.35	-0.49	ACCURACY ERROR (dB)
8000 MHz	INTERCEPT (mV)	4832.2	256	604	958	1297	1648	1993	2367	2711	3083	3426	3787	4101	4492	4832	Measured Value (mV)
	SLOPE (mV/dB)	70.54	9	4	5	-8	-10	-18	4	-5	14	5	13	-26	13	0	Error (mV)
			0.13	0.06	0.08	-0.12	-0.14	-0.25	0.05	-0.07	0.20	0.07	0.18	-0.37	0.18	0.00	LINEARITY ERROR (dB)
			-0.76	-0.82	-0.79	-0.97	-0.98	-1.08	-0.77	-0.88	-0.60	-0.72	-0.59	-1.13	-0.58	-0.75	ACCURACY ERROR (dB)
Flatness		+/- dB	0.76	0.98	0.92	0.90	1.05	0.99	0.89	0.61	0.61	0.55	0.50	0.70	0.63	0.58	
-65dBm mV-Out			363	Max													
			256	Min													

