



**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: PL56581/2549 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 QA,3
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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Serial No: PL56581/2549

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
6	TSS:	-71 dBm	73dBm	PMI QA?
7	Dynamic Range:	-65 to 0 dBm	-65 to 0 dBm	
8	Log Slope:	70 mV/dB ±3 mV/dB	69.94/69.03mV/dB	
9	Log Linearity:	±1.0 dB Max	+39/-51dB	
10	Log Accuracy @ 25°C:	±1.25 dB Max	+1.00/-99dB	
11	Absolute Log Accuracy:	±2.0 dB Max	+1.59/-1.63dB	
12	DC Offset:	±70 mV	16mV	
13	Rise Time:	28 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	25.5ns @ 0dBm-See Plots	
14	Fall Time:	300 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	152.8ns @ 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	±.90dB	
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	338/247mV	PMI 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 (By Design)	
23	Noise Level:	20 mV RMS Max	12.02mV	
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	472mA 141mA	
32	Ripple DC to 10 MHz	100 mV Max	<100mV	

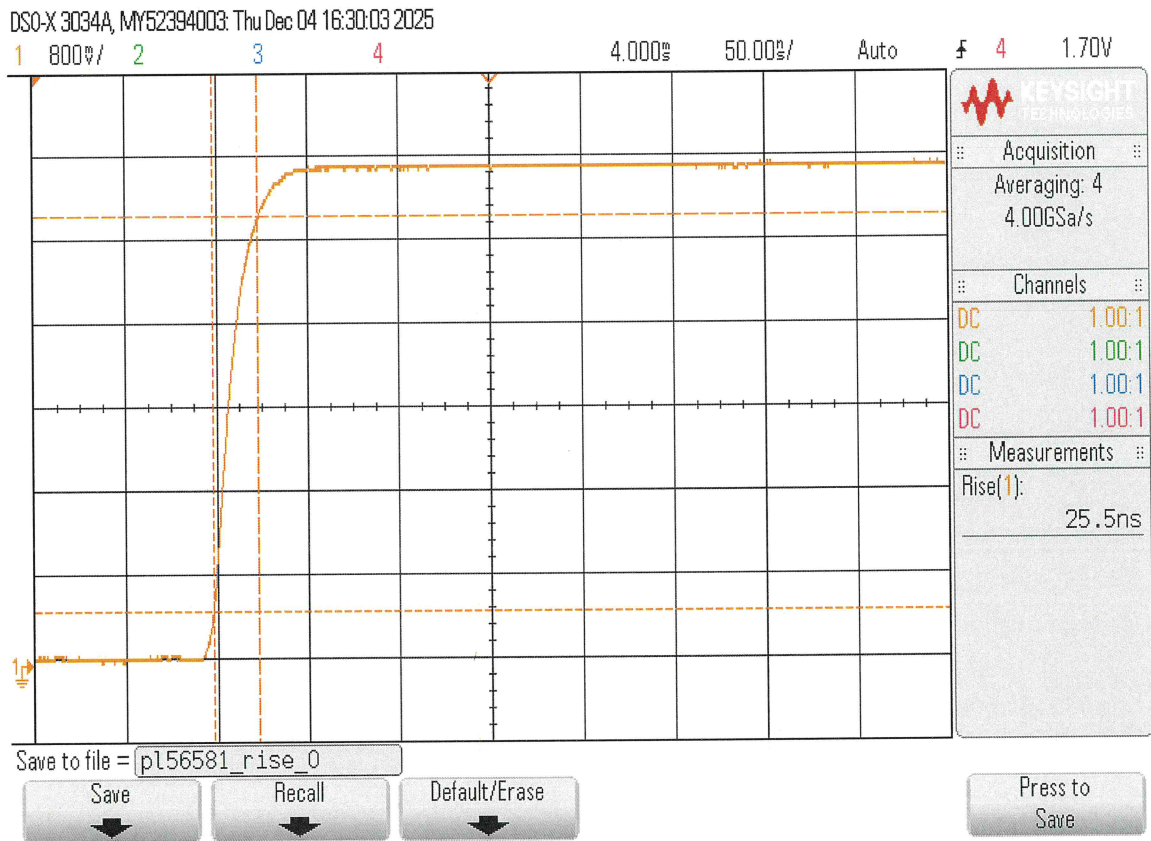
QA/QC Approval: K. Klaurer Date: 12-8-25

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**Summary Data
For
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Serial No: PL56581/2549

RISE TIME/SETTING TIME @ 0dBm

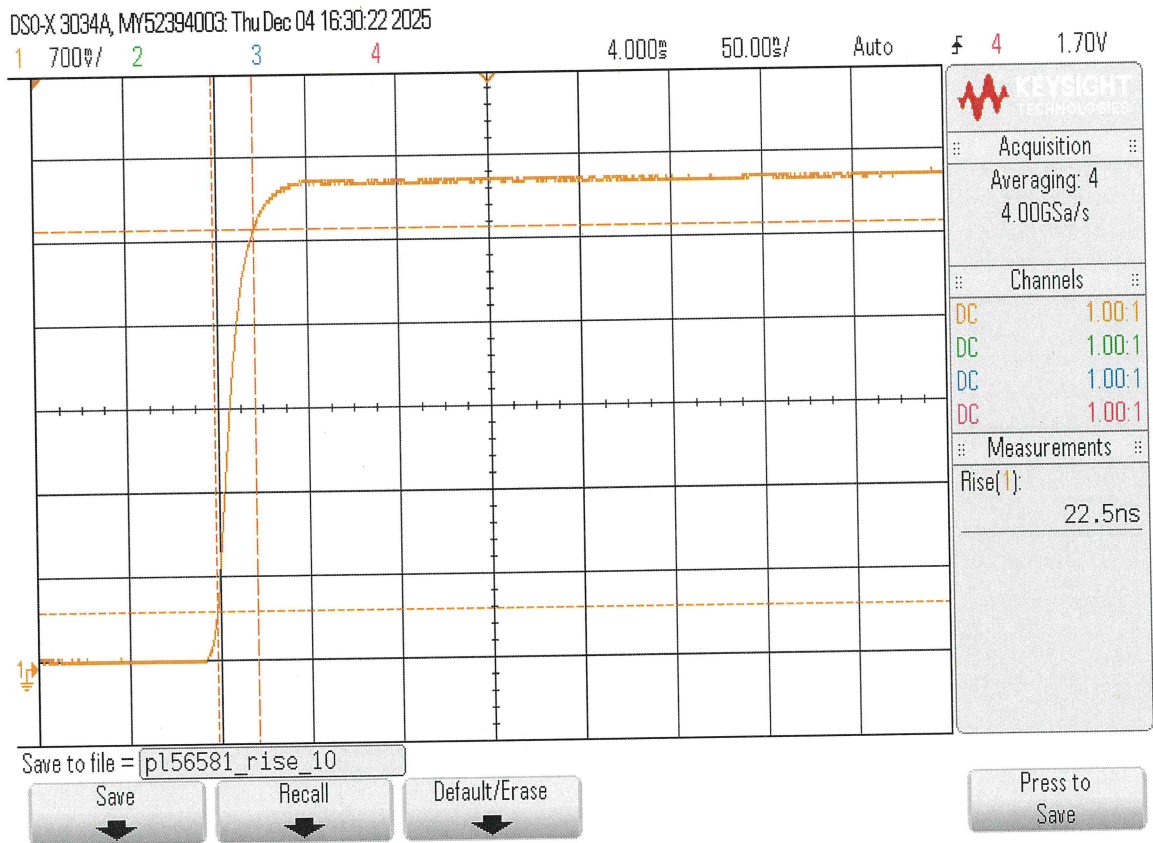


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**Summary Data
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Serial No: PL56581/2549

RISE TIME/SETTING TIME @ -10dBm



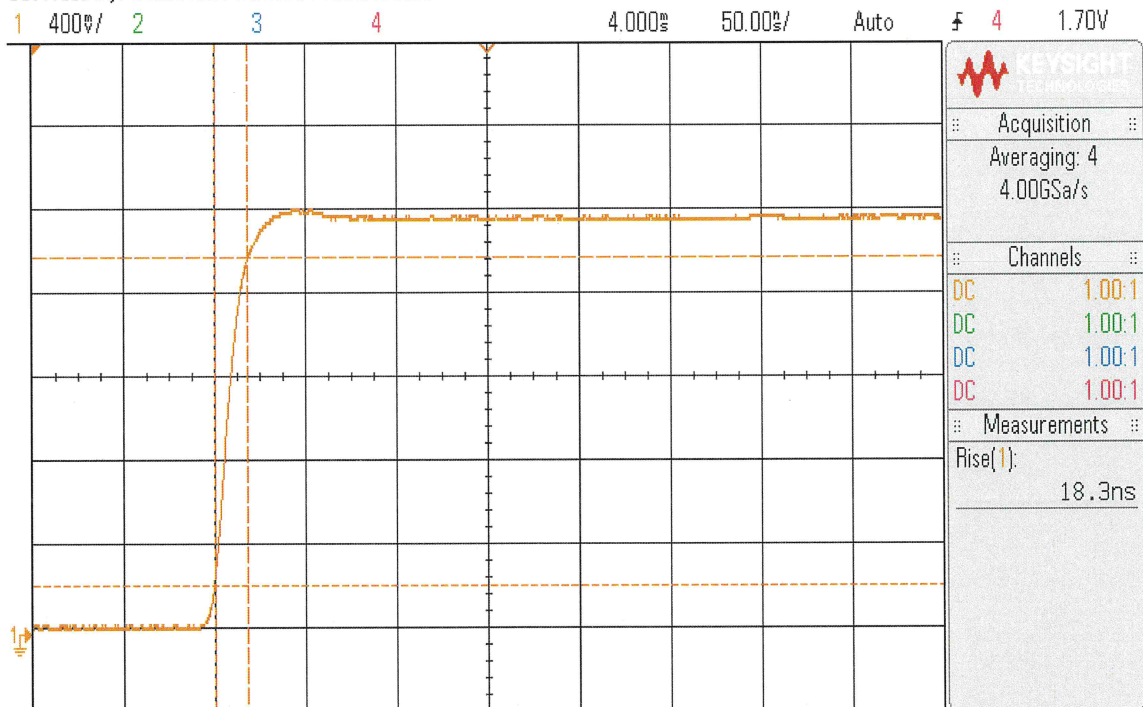
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Email: sales@quanticpmi.com

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

Serial No: PL56581/2549

RISE TIME/SETTING TIME @ -40dBm

DSO-X 3034A, MY52394003: Thu Dec 04 16:30:45 2025



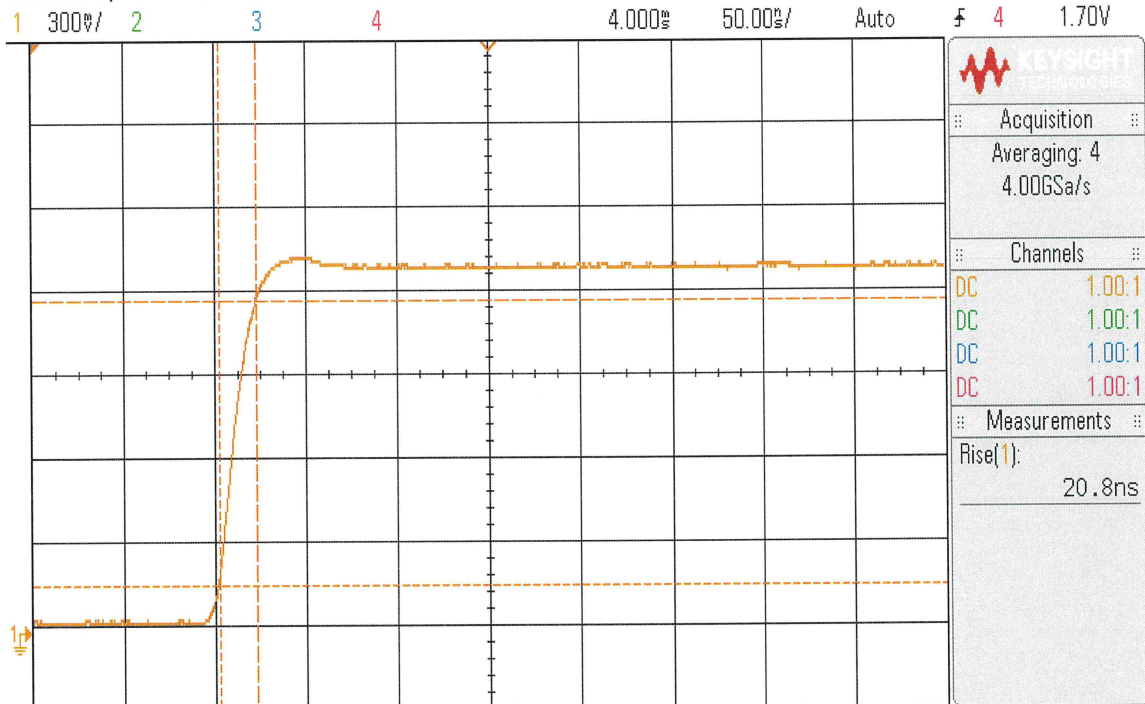
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**Summary Data
For
ERDLVA-2G8G-65-70MV-2**

Serial No: PL56581/2549

RISE TIME/SETTING TIME @ -50dBm

DSO-X 3034A, MY52394003: Thu Dec 04 16:31:08 2025



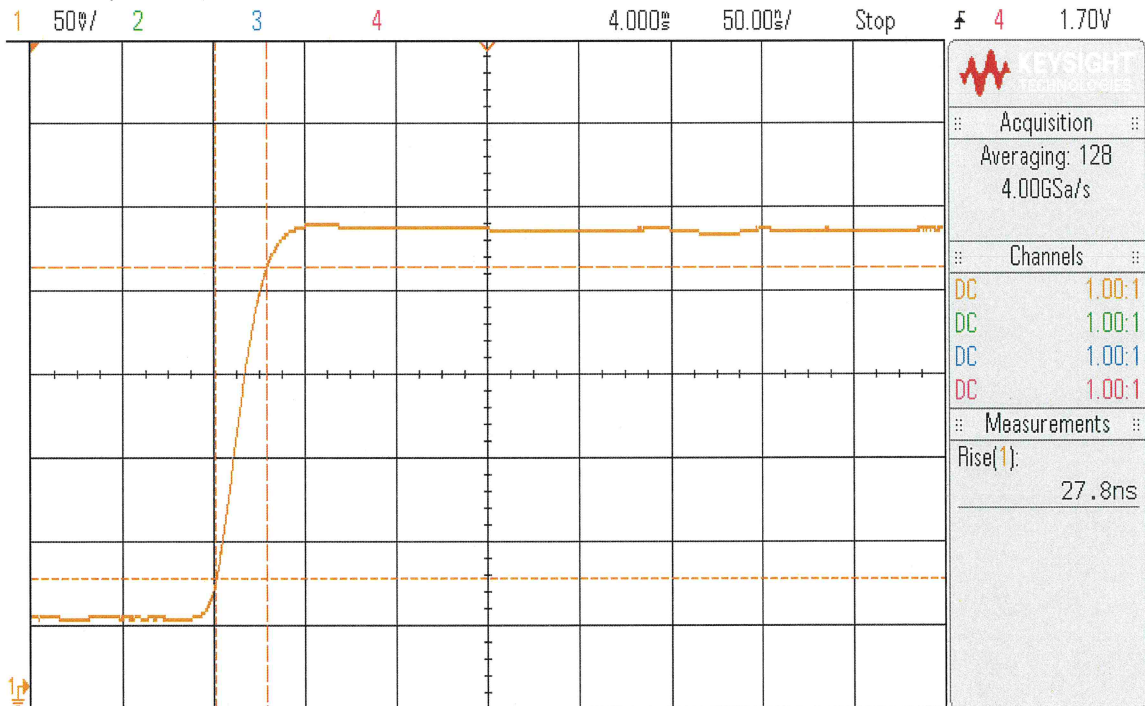
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**Summary Data
For
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Serial No: PL56581/2549

RISE TIME/SETTING TIME @ -65dBm

DSO-X 3034A, MY52394003: Thu Dec 04 16:32:09 2025



Acquire Menu

Acq Mode
Averaging

Avgs
128

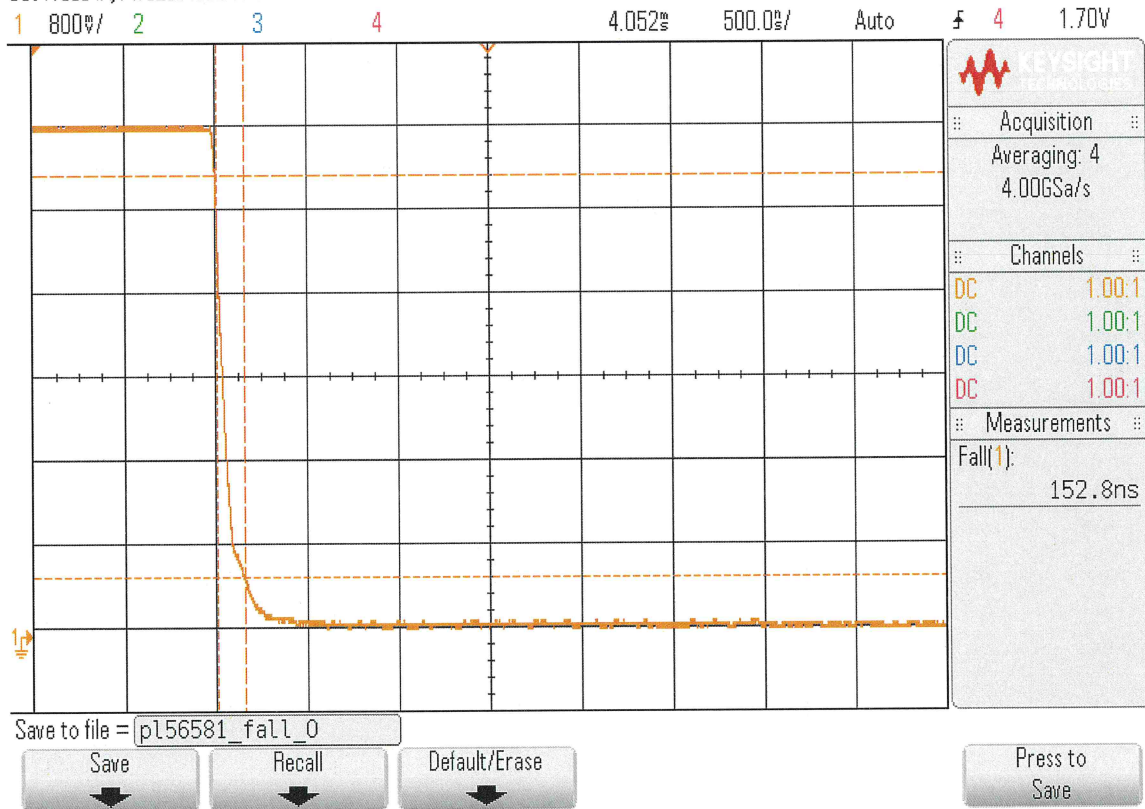
Segmented

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

Serial No: PL56581/2549

RECOVERY TIME @ 0dBm

DSO-X:3034A, MY52394003: Fri Dec 05 06:28:24 2025



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Email: sales@quanticpmi.com

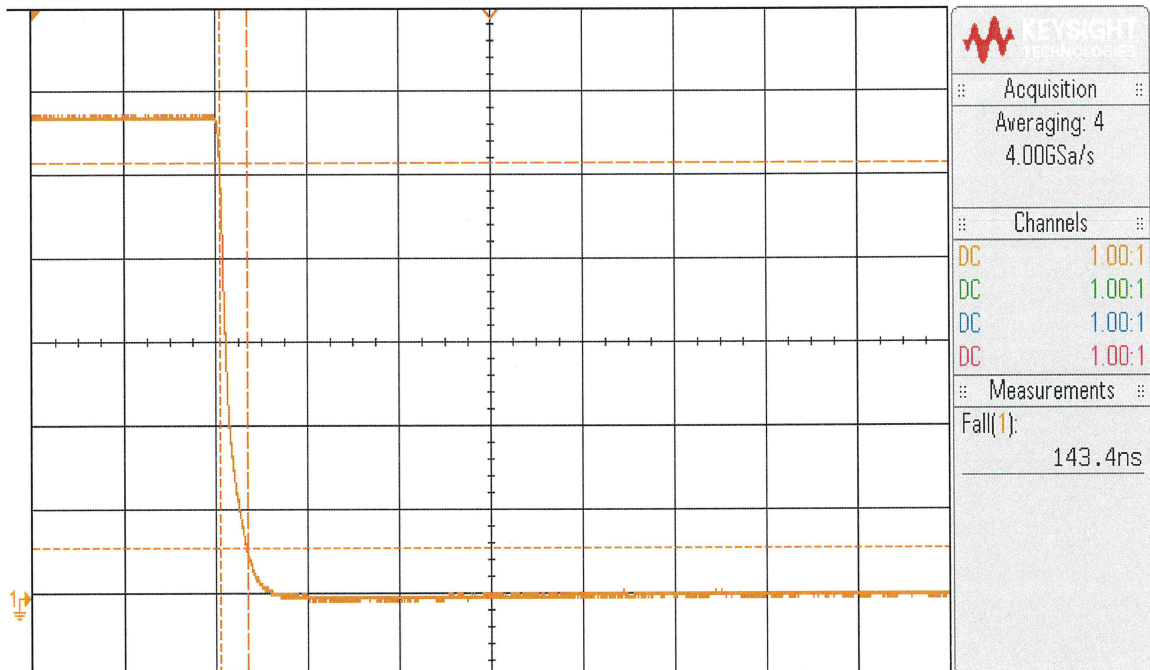
**Summary Data
For
ERDLVA-2G8G-65-70MV-2**

Serial No: PL56581/2549

RECOVERY TIME @ -20dBm

DSO-X 3034A, MY52394003: Fri Dec 05 06:27:49 2025

1 600% / 2 3 4 4.052ms 500.0% / Auto f 4 1.70V



KEYSIGHT TECHNOLOGIES

Acquisition
Averaging: 4
4.00GSa/s

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

Measurements
Fall(1):
143.4ns

Save to file = pl56581_fall_20

Save

Recall

Default/Erase

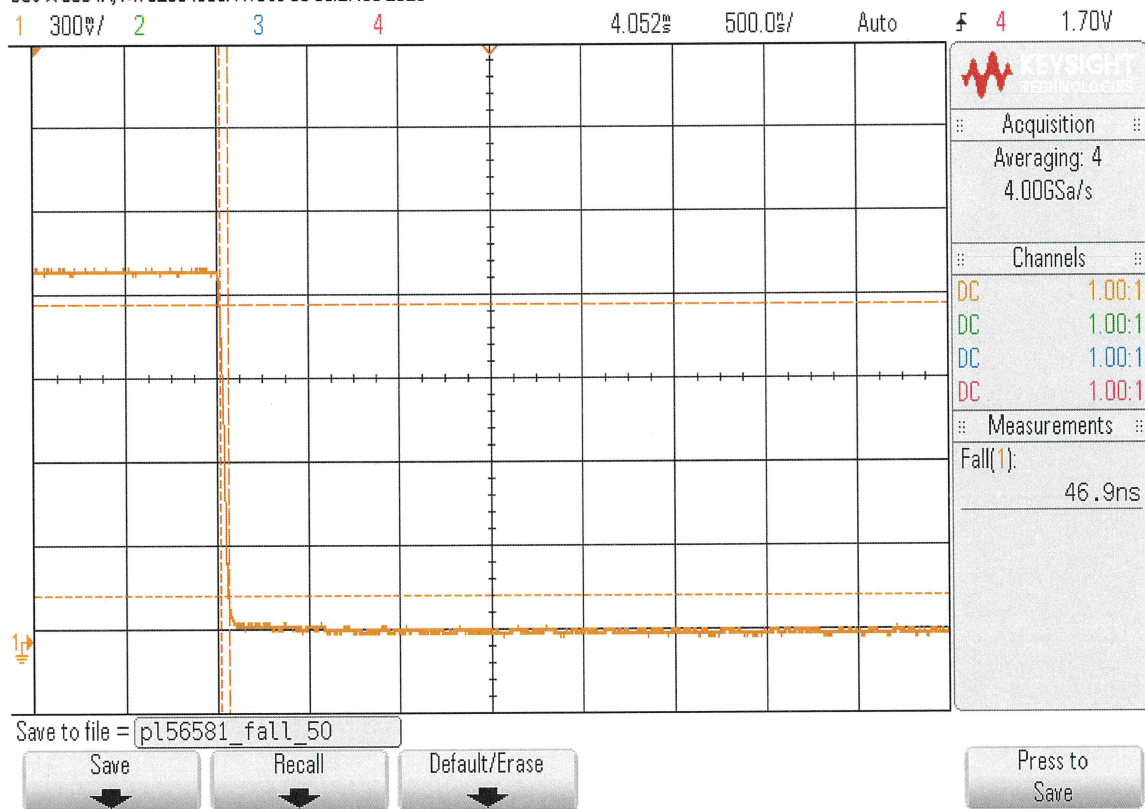
Press to Save

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

Serial No: PL56581/2549

RECOVERY TIME @ -50dBm

DSO-X 3034A, MY52394003: Fri Dec 05 06:27:09 2025



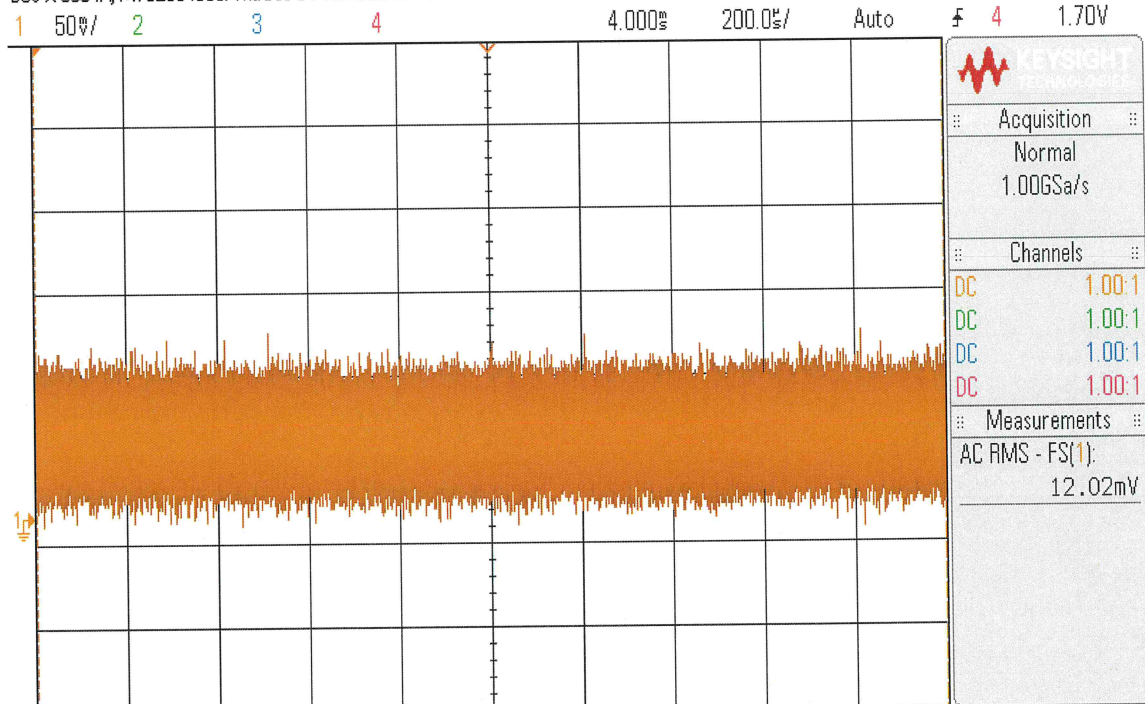
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**Summary Data
For
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Serial No: PL56581/2549

RMS NOISE

DSO-X 3034A, MY52394003: Thu Dec 04 16:12:28 2025



Acquire Menu

Acq Mode
Normal

Avgs
4

Segmented

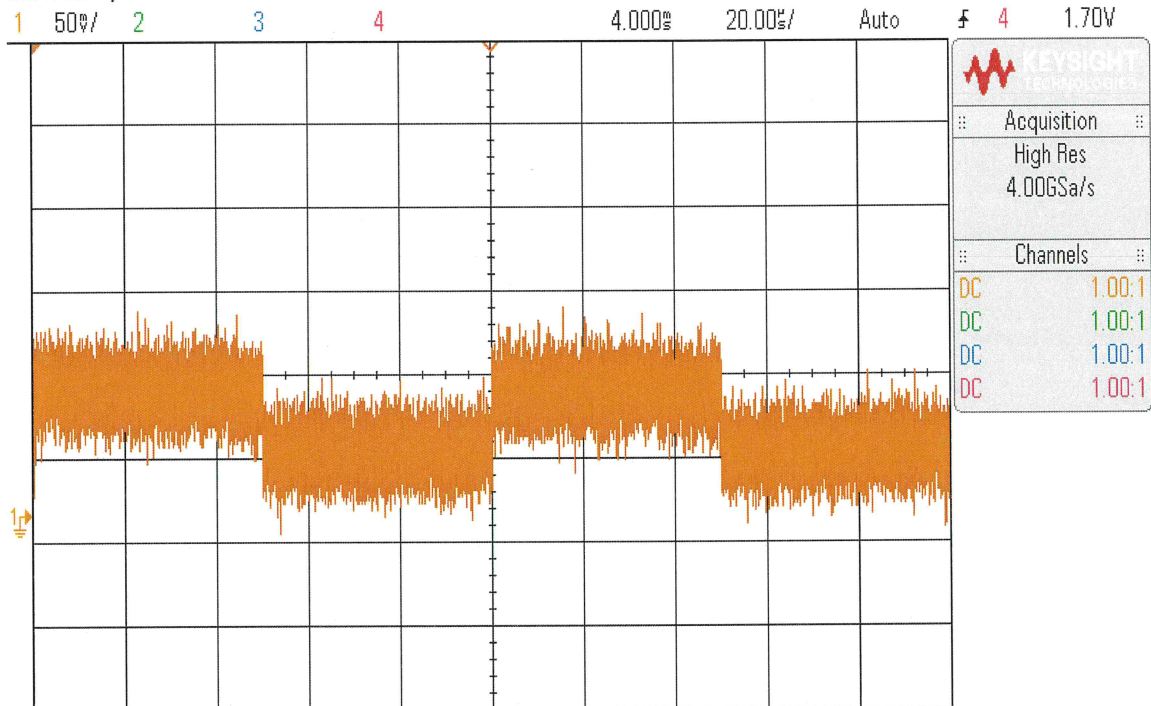
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Email: sales@quanticpmi.com

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

Serial No: PL56581/2549

TSS

DSO-X 3034A, MY52394003: Thu Dec 04 16:10:27 2025



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

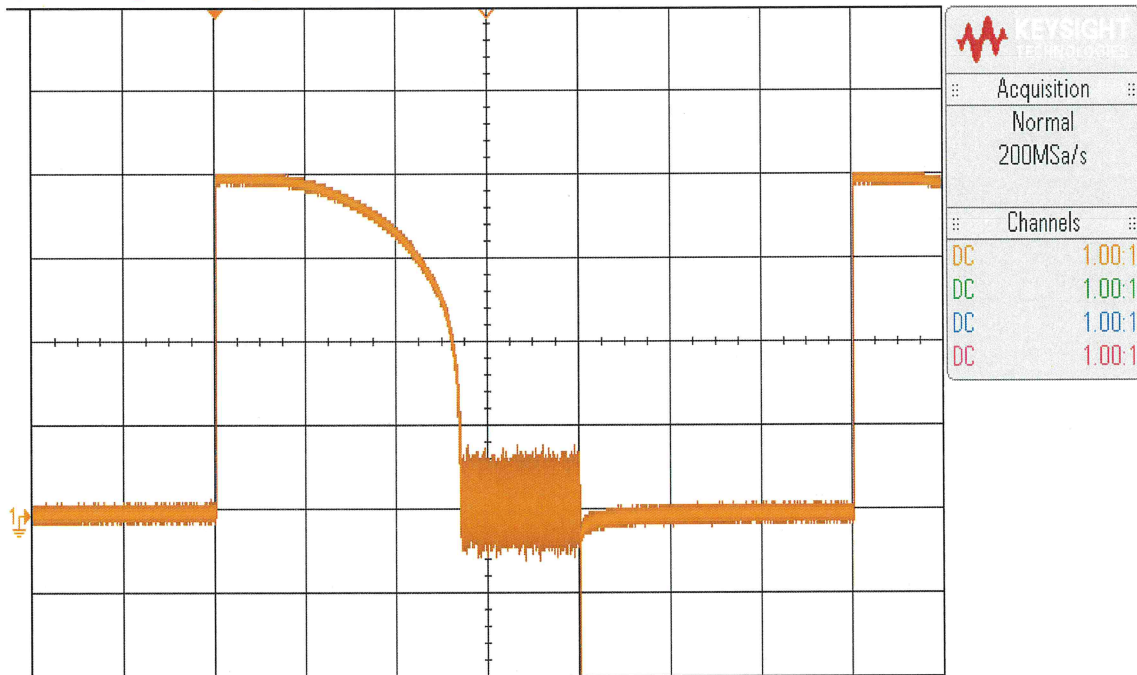
**Summary Data
For
ERDLVA-2G8G-65-70MV-2**

Serial No: PL56581/2549

CW IMMUNITY TIME

DSO-X 3034A, MY52394003: Thu Dec 04 09:36:58 2025

1 500% / 2 3 4 2.980% 1.000% / Auto f 4 1.70V



KEYSIGHT
TECHNOLOGIES

Acquisition
Normal
200MSa/s

Channels

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

Acquire Menu

Acq Mode Normal # Avgs 4 Segmented

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

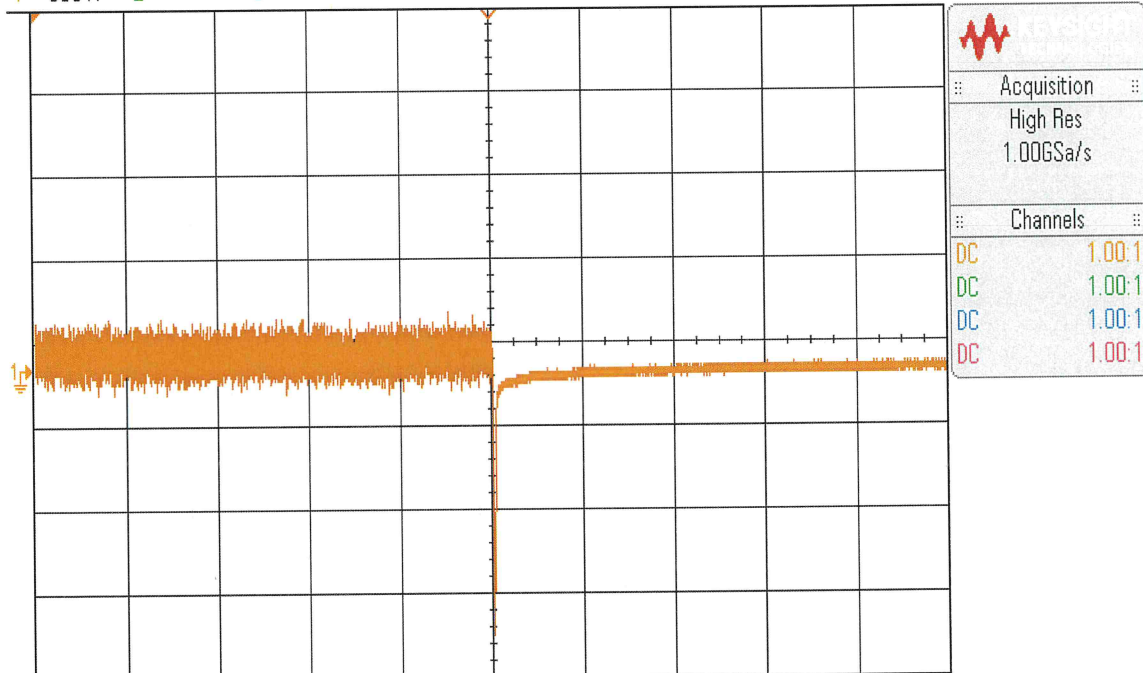
**Summary Data
For
ERDLVA-2G8G-65-70MV-2**

Serial No: PL56581/2549

CW RECOVERY TIME

DSO-X 3034A, MY52394003: Thu Dec 04 15:37:14 2025

1 500% / 2 3 4 4.000ms 100.0% / Auto f 4 1.70V



Save to file = pl56581_cwrecvr

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: 12-04-25
 SERIAL NO: PL56581-RF

Test Temp: +25C

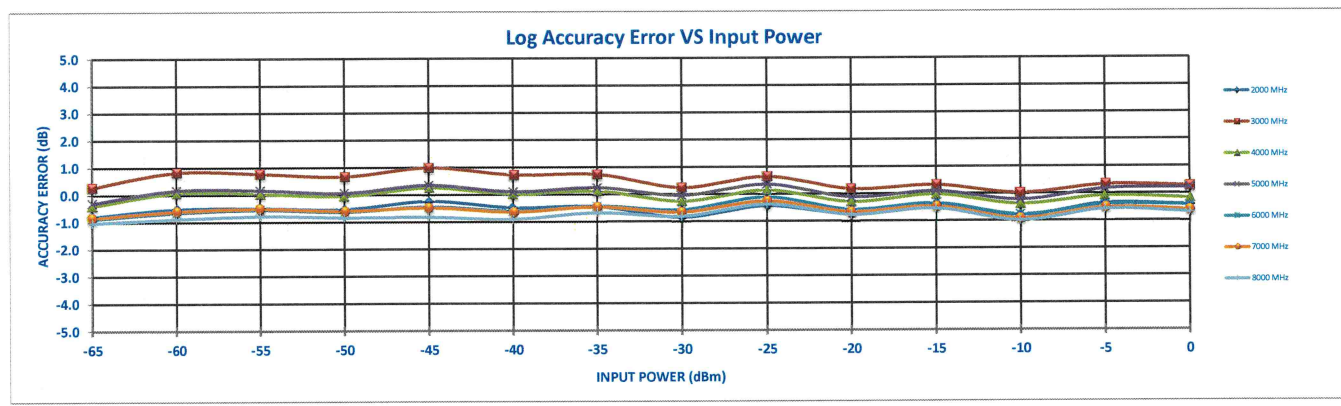
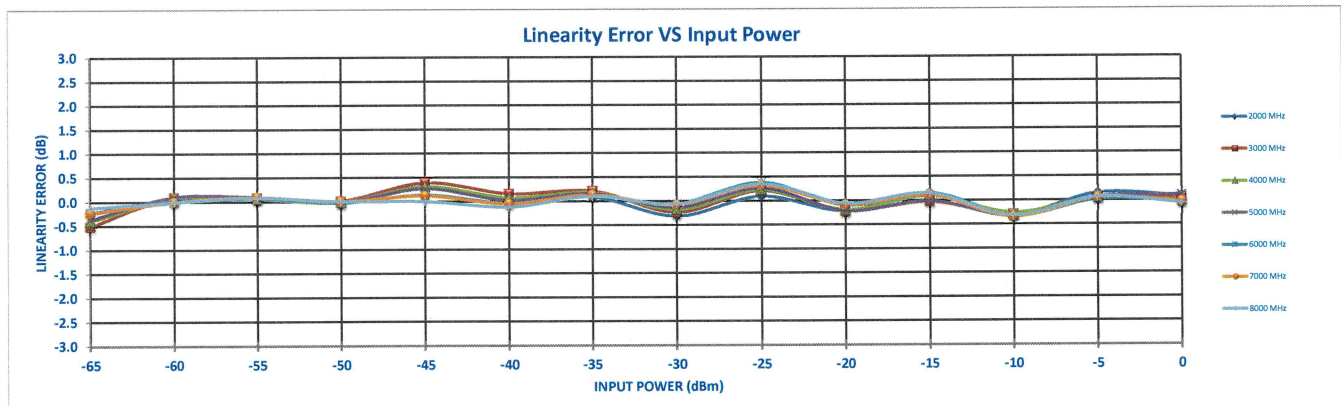


PLANAR MONOLITHICS INDUSTRIES
 4921 Robert J. Mathews Parkway STE 1
 TEL: 916-542-1401 FAX: 301-662-1731
 EMAIL: SALES@PMI-RF.COM
 ISO 9001:2000 CERTIFIED

DC Offset= 0.016

Frequency

Frequency	Intercept (mV)	Slope (mV/dB)	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
2000 MHz	4810.3	69.71	263	631	981	1326	1695	2026	2377	2697	3074	3401	3775	4093	4472	4816	Measured Value (mV)
			-16	3	5	1	22	4	6	-22	6	-15	10	-20	10	6	Error (mV)
			-0.23	0.05	0.07	0.02	0.31	0.06	0.09	-0.32	0.09	-0.22	0.15	-0.29	0.15	0.08	LINEARITY ERROR (dB)
																	ACCURACY ERROR (dB)
			-0.80	-0.52	-0.49	-0.54	-0.24	-0.48	-0.44	-0.85	-0.43	-0.74	-0.37	-0.80	-0.36	-0.42	
3000 MHz	4860.5	69.03	338	725	1069	1410	1781	2110	2459	2773	3149	3465	3823	4150	4520	4864	Measured Value (mV)
			-35	7	5	1	27	11	15	-16	14	-15	-2	-20	5	4	Error (mV)
			-0.51	0.10	0.08	0.02	0.39	0.16	0.21	-0.24	0.21	-0.21	-0.03	-0.29	0.07	0.05	LINEARITY ERROR (dB)
																	ACCURACY ERROR (dB)
			0.27	0.83	0.77	0.67	1.00	0.72	0.73	0.24	0.64	0.18	0.32	0.02	0.33	0.27	
4000 MHz	4834.9	69.47	291	672	1018	1360	1730	2061	2416	2738	3114	3432	3799	4122	4491	4833	Measured Value (mV)
			-28	6	4	-1	22	5	13	-13	16	-13	6	-18	4	-2	Error (mV)
			-0.40	0.08	0.06	-0.02	0.31	0.07	0.18	-0.18	0.23	-0.19	0.09	-0.26	0.05	-0.03	LINEARITY ERROR (dB)
																	ACCURACY ERROR (dB)
			-0.40	0.07	0.04	-0.05	0.26	0.02	0.12	-0.26	0.14	-0.29	-0.02	-0.38	-0.08	-0.17	
5000 MHz	4852.7	69.68	298	679	1027	1368	1736	2067	2425	2753	3129	3444	3807	4133	4509	4860	Measured Value (mV)
			-26	7	7	-1	19	1	11	-9	18	-15	-1	-23	5	7	Error (mV)
			-0.37	0.10	0.09	-0.01	0.27	0.02	0.16	-0.14	0.26	-0.22	-0.01	-0.33	0.07	0.10	LINEARITY ERROR (dB)
																	ACCURACY ERROR (dB)
			-0.30	0.17	0.17	0.07	0.35	0.10	0.25	-0.04	0.36	-0.12	0.09	-0.23	0.17	0.22	
6000 MHz	4817.3	69.91	257	622	977	1320	1681	2018	2378	2716	3096	3412	3776	4095	4469	4815	Measured Value (mV)
			-16	-1	5	-2	10	-3	8	-4	27	-7	7	-23	1	-2	Error (mV)
			-0.23	-0.01	0.07	-0.02	0.14	-0.04	0.11	-0.06	0.38	-0.10	0.11	-0.33	0.02	-0.03	LINEARITY ERROR (dB)
																	ACCURACY ERROR (dB)
			-0.89	-0.65	-0.55	-0.62	-0.44	-0.60	-0.43	-0.58	-0.12	-0.58	-0.35	-0.77	-0.40	-0.43	
7000 MHz	4805.5	69.67	260	625	980	1322	1679	2015	2376	2710	3086	3406	3768	4085	4461	4803	Measured Value (mV)
			-17	0	6	0	9	-4	9	-5	22	-6	8	-24	4	-2	Error (mV)
			-0.24	0.00	0.09	0.00	0.13	-0.05	0.13	-0.08	0.32	-0.09	0.11	-0.34	0.06	-0.04	LINEARITY ERROR (dB)
																	ACCURACY ERROR (dB)
			-0.85	-0.61	-0.51	-0.60	-0.47	-0.64	-0.46	-0.66	-0.26	-0.67	-0.47	-0.91	-0.51	-0.60	
8000 MHz	4801.7	69.94	247	605	961	1305	1655	1996	2361	2699	3078	3399	3763	4080	4457	4797	Measured Value (mV)
			-9	-1	6	0	0	-8	7	-5	25	-4	10	-22	5	-5	Error (mV)
			-0.13	-0.01	0.08	0.00	0.01	-0.12	0.10	-0.07	0.35	-0.06	0.15	-0.32	0.07	-0.07	LINEARITY ERROR (dB)
																	ACCURACY ERROR (dB)
			-1.03	-0.89	-0.78	-0.84	-0.81	-0.92	-0.67	-0.82	-0.38	-0.77	-0.54	-0.99	-0.57	-0.69	
Flatness		+/- dB	0.65	0.86	0.78	0.75	0.90	0.82	0.70	0.55	0.54	0.47	0.43	0.50	0.45	0.48	
-65dBm mV-Out			338	Max													
			247	Min													



LOG TRANSFER WITH FREQUENCY
 MODEL: ERLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 12-04-25
 SERIAL NO: PL56581-RF

Test Temp: -10C



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 ISO 9001:2000 CERTIFIED

DC Offset= 0.012

Frequency

2000 MHz	INTERCEPT (mV)	4883.9
	SLOPE (mV/dB)	71.67

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
255	611	951	1297	1662	1984	2342	2684	3083	3434	3834	4157	4557	4912	
30	28	9	-3	3	-33	-33	-50	-9	-16	25	-10	31	28	
0.42	0.38	0.13	-0.04	0.05	-0.46	-0.46	-0.69	-0.13	-0.23	0.35	-0.14	0.44	0.39	
0.04	0.01	-0.25	-0.43	-0.34	-0.85	-0.85	-1.08	-0.52	-0.62	-0.05	-0.54	0.04	-0.01	

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

3000 MHz	INTERCEPT (mV)	4934.8
	SLOPE (mV/dB)	71.15

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
321	696	1029	1373	1739	2060	2425	2762	3161	3496	3883	4209	4601	4959	
11	30	7	-4	6	-29	-20	-38	5	-16	15	-14	22	24	
0.15	0.42	0.10	-0.06	0.08	-0.40	-0.27	-0.54	0.07	-0.23	0.22	-0.20	0.31	0.34	
0.96	1.19	0.84	0.63	0.74	0.21	0.30	0.00	0.57	0.24	0.64	0.18	0.65	0.64	

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

4000 MHz	INTERCEPT (mV)	4920.3
	SLOPE (mV/dB)	71.58

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
291	655	990	1334	1699	2020	2388	2737	3132	3472	3869	4202	4587	4937	
24	30	7	-7	0	-37	-27	-36	1	-17	22	-2	25	17	
0.33	0.42	0.10	-0.10	0.00	-0.52	-0.37	-0.50	0.02	-0.23	0.31	-0.03	0.34	0.23	
0.54	0.62	0.29	0.09	0.18	-0.34	-0.21	-0.34	0.16	-0.09	0.44	0.09	0.46	0.34	

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

5000 MHz	INTERCEPT (mV)	4935.1
	SLOPE (mV/dB)	71.96

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
281	650	987	1331	1693	2016	2387	2744	3140	3479	3871	4208	4599	4962	
24	33	10	-6	-4	-41	-29	-32	4	-17	15	-7	24	27	
0.33	0.46	0.14	-0.08	-0.05	-0.56	-0.41	-0.45	0.06	-0.23	0.21	-0.10	0.33	0.37	
0.40	0.55	0.25	0.05	0.10	-0.40	-0.23	-0.25	0.28	0.00	0.47	0.17	0.62	0.69	

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

6000 MHz	INTERCEPT (mV)	4884.2
	SLOPE (mV/dB)	71.96

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
243	587	935	1279	1634	1963	2329	2693	3093	3437	3829	4158	4549	4900	
37	21	10	-6	-11	-42	-36	-32	8	-8	24	-6	25	16	
0.52	0.30	0.13	-0.09	-0.16	-0.58	-0.50	-0.44	0.11	-0.11	0.34	-0.09	0.34	0.22	
-0.13	-0.33	-0.47	-0.68	-0.73	-1.14	-1.03	-0.96	-0.38	-0.58	-0.12	-0.53	-0.07	-0.18	

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

7000 MHz	INTERCEPT (mV)	4873.2
	SLOPE (mV/dB)	71.81

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
243	587	934	1277	1627	1957	2325	2689	3085	3429	3822	4148	4540	4888	
37	22	10	-6	-15	-44	-35	-30	7	-8	26	-7	26	15	
0.52	0.31	0.14	-0.08	-0.21	-0.61	-0.49	-0.42	0.10	-0.11	0.36	-0.10	0.36	0.21	
-0.13	-0.33	-0.49	-0.71	-0.82	-1.22	-1.09	-1.01	-0.49	-0.69	-0.21	-0.67	-0.20	-0.35	

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

8000 MHz	INTERCEPT (mV)	4872.9
	SLOPE (mV/dB)	71.78

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
242	593	936	1278	1626	1957	2327	2689	3087	3428	3821	4147	4542	4888	
35	27	11	-6	-17	-45	-34	-31	9	-9	25	-8	28	15	
0.48	0.37	0.15	-0.08	-0.23	-0.62	-0.47	-0.43	0.12	-0.13	0.35	-0.11	0.39	0.21	
-0.14	-0.24	-0.46	-0.69	-0.84	-1.22	-1.06	-1.01	-0.46	-0.71	-0.23	-0.68	-0.17	-0.35	

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

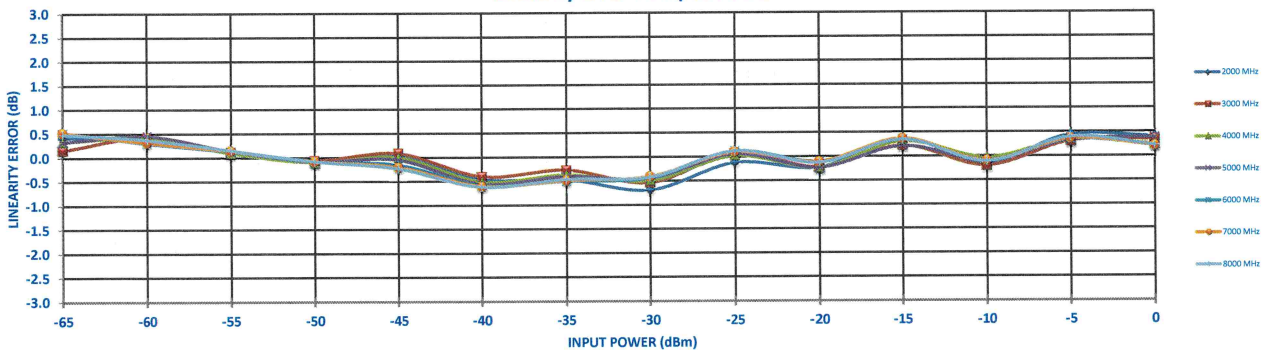
Flatness +/- dB

0.55	0.76	0.66	0.67	0.79	0.72	0.70	0.54	0.54	0.47	0.43	0.43	0.43	0.52
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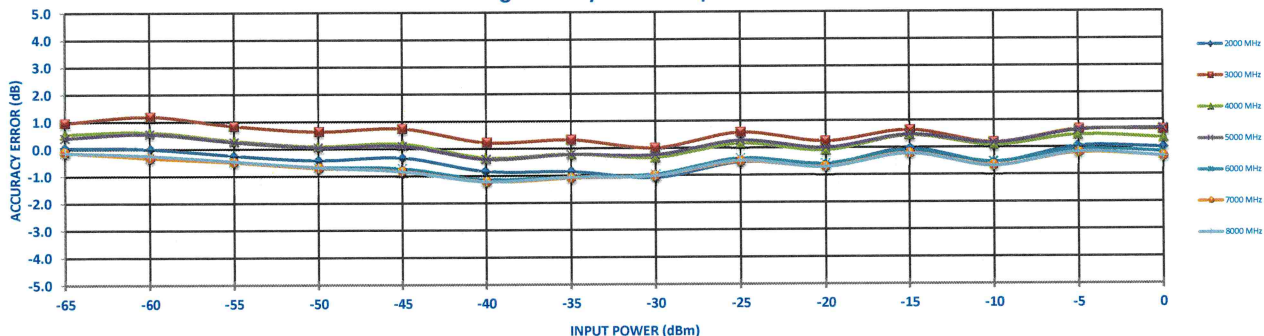
-65dBm mV-Out

321	Max
242	Min

Linearity Error VS Input Power



Log Accuracy Error VS Input Power



LOG TRANSFER WITH FREQUENCY
 MODEL: ERLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 12-04-25
 SERIAL NO: PL56581-RF

Test Temp: +85C

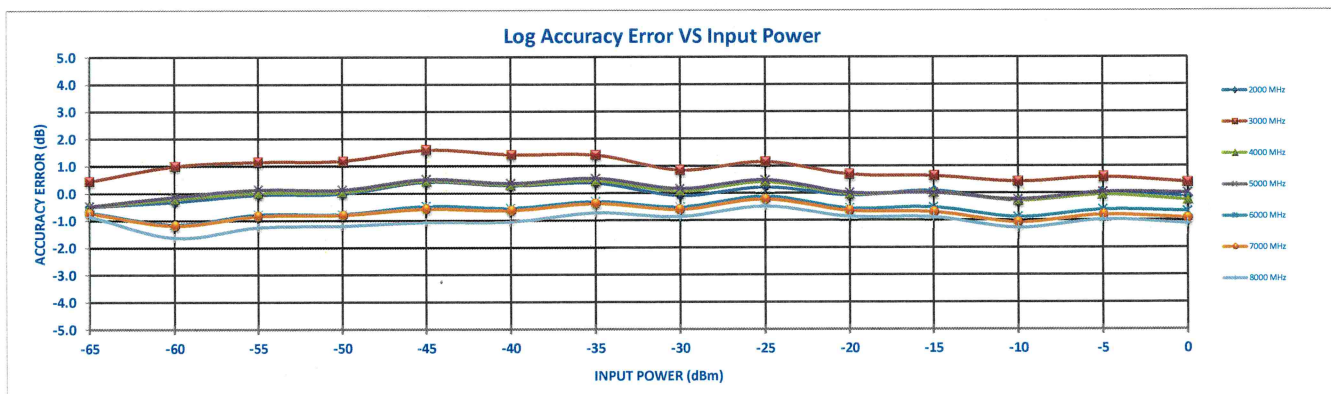
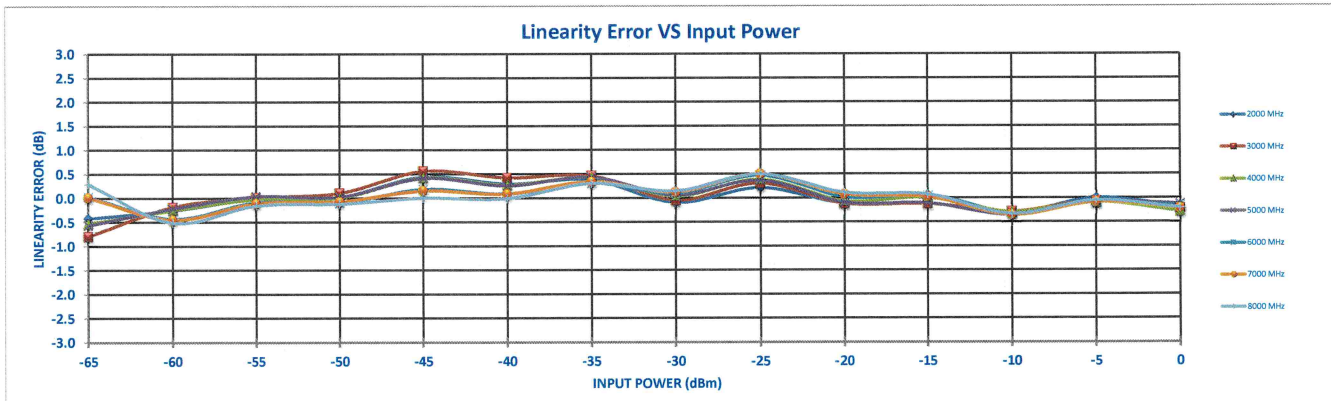


PLANAR MONOLITHICS INDUSTRIES
 4921 Robert J. Mathews Parkway STE 1
 TEL: 916-542-1401 FAX: 301-662-1731
 EMAIL: SALES@PMI-RF.COM
 ISO 9001:2000 CERTIFIED

DC Offset= 0.050

Frequency

		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
2000 MHz	INTERCEPT (mV)	4704.5														Measured Value (mV)
	SLOPE (mV/dB)	67.83														
		267	617	973	1314	1682	2011	2356	2663	3023	3341	3691	4005	4365	4692	LINEARITY ERROR (dB)
		-28	-18	-1	1	30	20	26	-7	14	-7	4	-21	0	-13	ACCURACY ERROR (dB)
		-0.42	-0.26	-0.01	0.02	0.44	0.29	0.38	-0.10	0.21	-0.10	0.06	-0.31	-0.01	-0.18	
		-0.49	-0.32	-0.06	-0.02	0.41	0.27	0.37	-0.10	0.22	-0.09	0.08	-0.28	0.04	-0.13	
3000 MHz	INTERCEPT (mV)	4742.2														Measured Value (mV)
	SLOPE (mV/dB)	67.06														
		330	706	1055	1396	1762	2088	2426	2727	3086	3393	3728	4052	4402	4727	LINEARITY ERROR (dB)
		-53	-13	1	7	38	28	31	-3	20	-8	-8	-20	-5	-15	ACCURACY ERROR (dB)
		-0.79	-0.19	0.02	0.10	0.56	0.42	0.46	-0.05	0.30	-0.12	-0.12	-0.29	-0.07	-0.23	
		0.44	1.00	1.15	1.19	1.59	1.41	1.40	0.85	1.15	0.68	0.63	0.42	0.59	0.39	
4000 MHz	INTERCEPT (mV)	4702.2														Measured Value (mV)
	SLOPE (mV/dB)	67.69														
		267	624	978	1318	1685	2013	2362	2674	3036	3344	3687	4005	4358	4683	LINEARITY ERROR (dB)
		-36	-17	-2	0	29	18	29	2	26	-4	0	-20	-6	-19	ACCURACY ERROR (dB)
		-0.53	-0.25	-0.02	0.00	0.42	0.27	0.43	0.03	0.38	-0.07	0.00	-0.30	-0.09	-0.28	
		-0.49	-0.21	0.01	0.04	0.46	0.30	0.46	0.06	0.41	-0.04	0.03	-0.28	-0.06	-0.26	
5000 MHz	INTERCEPT (mV)	4709.8														Measured Value (mV)
	SLOPE (mV/dB)	67.75														
		268	630	986	1324	1689	2017	2368	2681	3041	3348	3686	4008	4365	4701	LINEARITY ERROR (dB)
		-38	-15	2	2	28	17	29	4	25	-7	-8	-24	-6	-9	ACCURACY ERROR (dB)
		-0.56	-0.22	0.03	0.02	0.41	0.25	0.43	0.05	0.37	-0.10	-0.11	-0.36	-0.09	-0.13	
		-0.47	-0.13	0.13	0.12	0.52	0.36	0.54	0.17	0.48	0.02	0.01	-0.23	0.04	0.00	
6000 MHz	INTERCEPT (mV)	4666.6														Measured Value (mV)
	SLOPE (mV/dB)	67.93														
		253	561	924	1263	1622	1955	2310	2635	3000	3309	3650	3964	4321	4655	LINEARITY ERROR (dB)
		2	-30	-6	-7	12	6	21	6	32	1	2	-23	-6	-12	ACCURACY ERROR (dB)
		0.03	-0.43	-0.09	-0.10	0.18	0.09	0.31	0.09	0.47	0.02	0.04	-0.34	-0.09	-0.17	
		-0.69	-1.15	-0.78	-0.78	-0.47	-0.56	-0.31	-0.51	-0.12	-0.56	-0.52	-0.88	-0.61	-0.68	
7000 MHz	INTERCEPT (mV)	4652.7														Measured Value (mV)
	SLOPE (mV/dB)	67.73														
		251	558	920	1261	1615	1949	2305	2629	2993	3303	3638	3951	4308	4638	LINEARITY ERROR (dB)
		1	-31	-7	-5	10	6	23	8	34	5	1	-24	-6	-15	ACCURACY ERROR (dB)
		0.01	-0.45	-0.11	-0.07	0.15	0.08	0.34	0.12	0.50	0.07	0.02	-0.36	-0.09	-0.22	
		-0.72	-1.19	-0.84	-0.81	-0.58	-0.64	-0.39	-0.60	-0.22	-0.65	-0.70	-1.08	-0.80	-0.93	
8000 MHz	INTERCEPT (mV)	4639.6														Measured Value (mV)
	SLOPE (mV/dB)	67.95														
		243	528	892	1234	1582	1921	2282	2611	2975	3288	3625	3937	4296	4625	LINEARITY ERROR (dB)
		20	-35	-11	-8	0	-1	21	10	34	7	5	-23	-4	-15	ACCURACY ERROR (dB)
		0.29	-0.51	-0.16	-0.12	0.00	-0.01	0.30	0.14	0.50	0.11	0.07	-0.34	-0.06	-0.21	
		-0.84	-1.63	-1.26	-1.21	-1.07	-1.06	-0.73	-0.87	-0.49	-0.87	-0.89	-1.28	-0.98	-1.12	
Flatness	+/- dB	0.64	1.31	1.20	1.20	1.33	1.23	1.06	0.86	0.82	0.78	0.76	0.85	0.78	0.75	
-65dBm mV-Out		330	Max	243	Min											



LOG TRANSFER WITH FREQUENCY
 MODEL: ERLVA-2G8G-65-70MV-2
 TESTED BY: DA
 DATE: 12-04-25
 SERIAL NO: PL56581-Bit

Test Temp: +25C



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

DC Offset= 0.007

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
2000 MHz	INTERCEPT (mV)	4811															Measured Value (mV)
	SLOPE (mV/dB)	69.78	260	628	978	1323	1693	2022	2374	2694	3072	3400	3774	4093	4474	4818	Error (mV)
			-15	4	5	1	22	2	5	-24	6	-15	10	-20	12	7	LINEARITY ERROR (dB)
			-0.22	0.06	0.07	0.02	0.32	0.03	0.08	-0.34	0.08	-0.22	0.14	-0.29	0.17	0.10	ACCURACY ERROR (dB)
			-0.80	-0.52	-0.50	-0.55	-0.24	-0.52	-0.47	-0.88	-0.45	-0.75	-0.38	-0.80	-0.33	-0.40	
3000 MHz	INTERCEPT (mV)	4862.5															Measured Value (mV)
	SLOPE (mV/dB)	69.14	335	721	1065	1407	1777	2106	2455	2771	3148	3465	3823	4152	4522	4867	Error (mV)
			-33	7	5	2	26	9	13	-17	14	-15	-2	-19	5	5	LINEARITY ERROR (dB)
			-0.48	0.10	0.08	0.03	0.38	0.13	0.18	-0.25	0.20	-0.21	-0.03	-0.28	0.08	0.07	ACCURACY ERROR (dB)
			0.27	0.81	0.75	0.66	0.97	0.69	0.69	0.23	0.64	0.19	0.32	0.05	0.36	0.31	
4000 MHz	INTERCEPT (mV)	4848.7															Measured Value (mV)
	SLOPE (mV/dB)	69.53	302	686	1029	1371	1740	2070	2425	2749	3127	3444	3810	4138	4506	4848	Error (mV)
			-27	9	5	-1	20	3	10	-14	17	-14	4	-15	5	-1	LINEARITY ERROR (dB)
			-0.39	0.13	0.07	-0.02	0.29	0.04	0.14	-0.20	0.24	-0.20	0.06	-0.22	0.07	-0.01	ACCURACY ERROR (dB)
			-0.20	0.31	0.23	0.14	0.43	0.17	0.26	-0.09	0.34	-0.11	0.14	-0.16	0.13	0.03	
5000 MHz	INTERCEPT (mV)	4859.3															Measured Value (mV)
	SLOPE (mV/dB)	69.72	304	685	1031	1372	1740	2071	2429	2757	3134	3449	3812	4141	4516	4868	Error (mV)
			-24	9	6	-1	18	0	10	-11	18	-16	-2	-21	5	9	LINEARITY ERROR (dB)
			-0.34	0.12	0.09	-0.02	0.26	0.01	0.14	-0.15	0.25	-0.23	-0.02	-0.30	0.08	0.12	ACCURACY ERROR (dB)
			-0.17	0.30	0.26	0.15	0.43	0.18	0.32	0.03	0.44	-0.04	0.17	-0.11	0.27	0.32	
6000 MHz	INTERCEPT (mV)	4820.3															Measured Value (mV)
	SLOPE (mV/dB)	69.95	261	624	978	1321	1682	2018	2378	2715	3095	3413	3779	4099	4474	4820	Error (mV)
			-13	1	5	-2	9	-4	6	-7	23	-8	8	-22	3	0	LINEARITY ERROR (dB)
			-0.18	0.01	0.07	-0.03	0.13	-0.06	0.08	-0.10	0.34	-0.12	0.11	-0.31	0.05	0.00	ACCURACY ERROR (dB)
			-0.79	-0.58	-0.50	-0.58	-0.40	-0.58	-0.41	-0.57	-0.12	-0.56	-0.31	-0.71	-0.33	-0.37	
7000 MHz	INTERCEPT (mV)	4808.9															Measured Value (mV)
	SLOPE (mV/dB)	69.79	259	622	976	1318	1675	2012	2375	2712	3089	3408	3771	4088	4463	4805	Error (mV)
			-14	0	5	-2	6	-6	9	-3	25	-5	9	-23	3	-4	LINEARITY ERROR (dB)
			-0.20	0.00	0.08	-0.02	0.09	-0.08	0.12	-0.05	0.35	-0.08	0.13	-0.33	0.04	-0.06	ACCURACY ERROR (dB)
			-0.82	-0.61	-0.53	-0.62	-0.50	-0.66	-0.45	-0.62	-0.21	-0.63	-0.42	-0.87	-0.49	-0.58	
8000 MHz	INTERCEPT (mV)	4804.3															Measured Value (mV)
	SLOPE (mV/dB)	69.90	252	610	965	1308	1660	1999	2365	2704	3083	3402	3765	4083	4459	4800	Error (mV)
			-9	0	5	-1	1	-9	7	-3	26	-4	9	-22	4	-4	LINEARITY ERROR (dB)
			-0.12	0.00	0.08	-0.02	0.02	-0.13	0.10	-0.05	0.38	-0.06	0.13	-0.32	0.06	-0.06	ACCURACY ERROR (dB)
			-0.92	-0.78	-0.69	-0.77	-0.71	-0.85	-0.60	-0.73	-0.29	-0.72	-0.51	-0.94	-0.55	-0.66	
Flatness		+/- dB	0.60	0.80	0.72	0.71	0.84	0.77	0.65	0.55	0.55	0.47	0.42	0.50	0.45	0.49	
-65dBm mV-Out			335	Max	252	Min											

