Summary Data
For
ERDLVA-8G18G-65-70MV-2

Customer: [redacted]
SO No: [redacted]
Model No: ERDLVA-8G18G-65-70MV-2
Serial No: PL55704/2548

Tested By: Jim Hopson
Temperature: +25°C (Unless Otherwise Specified)
Date 11/29/2025
Drawing No: 27650100 Rev: A1

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	8 to 18 GHz	**8 to 18 GHz**	PMI QA3
2	Input VSWR:	2.3:1 Max	**2.02:1**	
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**	

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PLANAR MONOLITHICS

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For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55704/2548

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	**69.40/70.41mV/dB**	
9	Log Linearity:	±1.0 dB Max	**+.57/-.55dB**	
10	Log Accuracy @ 25°C:	±1.75 dB Max	**+.93/-1.11dB**	
11	Absolute Log Accuracy:	±2.0 dB Max	**+1.26/-1.24**	
12	DC Offset:	±70 mV	**+43mV**	
13	Rise Time:	28 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	**26.5ns**	
14	Fall Time:	300 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	**111.6ns**	
15	Settling Time:	50 ns Max (From 10% to within 70 mV of final value @ -40 & -10 dBm)	**<60ns**	
16	Recovery Time:	1 us Max (From 90% to within ±1.5 dB of baseline)	**<750ns**	
17	Video Frequency Flatness:	±1.75 dB Max @ 25°C	**±.81 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 ±1 Ω**	

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For
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Serial No: PL55704/2548

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
20	Video Output @ -65 dBm:	330 ± 123 mV Over Frequency	**203/246mV**	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:	25 mV RMS Max	**12.46mV**	
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 Pass**	
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	**3.2ms**	
30	CW Recovery Time @ CW = -40 dBm	120 us Max	**<100us**	
31	DC Power:	+15V (±5%) @ 500 mA Max -15V (±5%) @ 200 mA Max	**480mA** **140mA**	
32	Ripple DC to 10 MHz	100 mV Max	**<100 mV Max**	

QA/QC Approval: K. Klamm **Date:** 12.4.25

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LOG TRANSFER WITH FREQUENCY
MODEL: ERDLVA-8G18G-65-70MV-2
TESTED BY: JIM HOPSON
DATE: 11/29/25
SERIAL NO: PL55704-RF

Test Temp: -10C

DC Offset= 0.045

PLANAR MONOLITHICS INDUSTRIES
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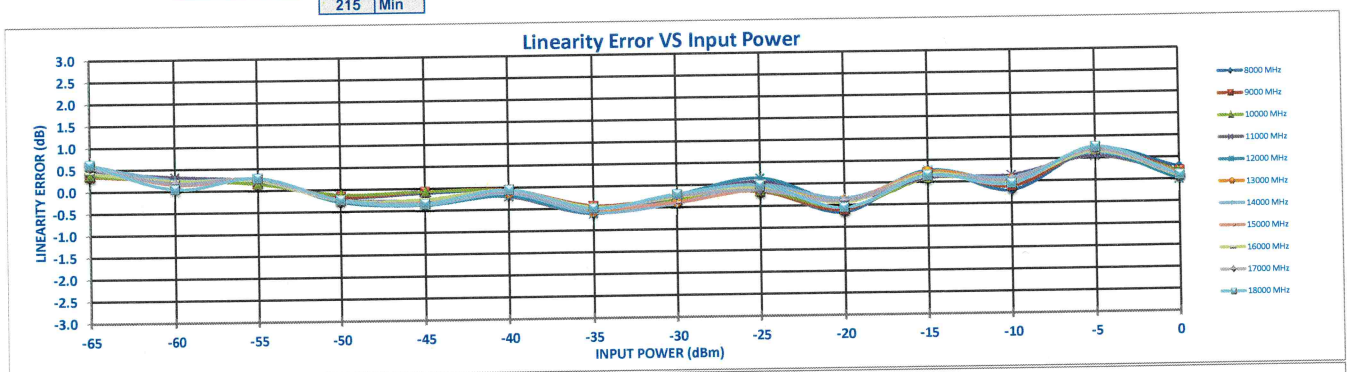
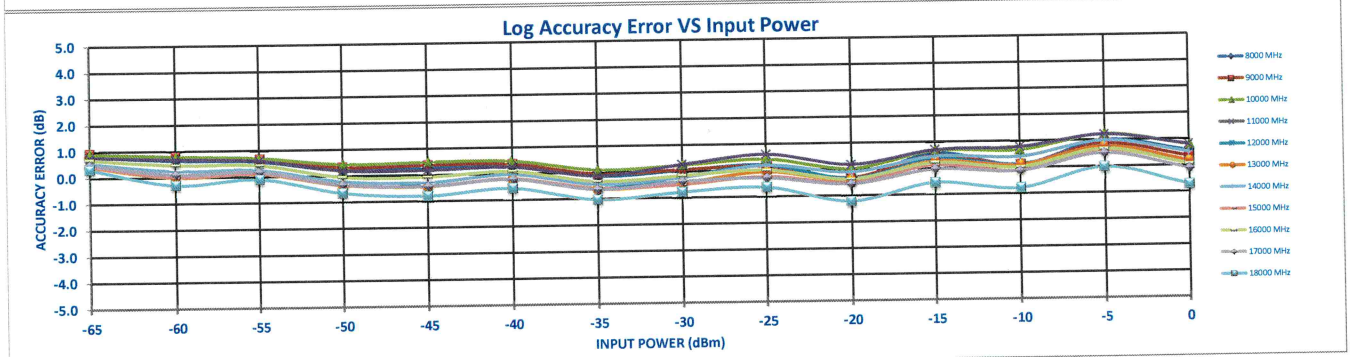
EMAIL: SALES@PMI-RF.COM
ISO 9001:2000 CERTIFIED

Frequency			RF Input Power (dBm)	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
8000 MHz	INTERCEPT (mV)	4790.6	Measured Value (mV)	250	590	938	1264	1620	1974	2296	2661	3025	3338	3755	4073	4489	4810
	SLOPE (mV/dB)	70.30	Error (mV)	29	17	14	-12	-7	-5	-34	-21	-8	-47	19	-15	50	19
			LINEARITY ERROR (dB)	0.41	0.25	0.20	-0.17	-0.10	-0.07	-0.49	-0.29	-0.12	-0.66	0.27	-0.21	0.71	0.28
			ACCURACY ERROR (dB)	0.81	0.64	0.58	0.21	0.26	0.29	-0.14	0.04	0.21	-0.35	0.57	0.09	1.00	0.55
9000 MHz	INTERCEPT (mV)	4781.7	Measured Value (mV)	258	601	945	1272	1628	1980	2302	2663	3021	3340	3748	4074	4480	4795
	SLOPE (mV/dB)	69.97	Error (mV)	24	18	12	-11	-5	-3	-31	-20	-11	-42	16	-8	48	13
			LINEARITY ERROR (dB)	0.35	0.25	0.17	-0.16	-0.07	-0.04	-0.44	-0.28	-0.16	-0.60	0.23	-0.11	0.69	0.19
			ACCURACY ERROR (dB)	0.92	0.79	0.68	0.32	0.37	0.37	-0.06	0.07	0.15	-0.32	0.47	0.10	0.87	0.34
10000 MHz	INTERCEPT (mV)	4812.9	Measured Value (mV)	257	601	947	1280	1636	1988	2313	2675	3040	3364	3762	4113	4505	4826
	SLOPE (mV/dB)	70.49	Error (mV)	26	18	11	-8	-5	-5	-33	-23	-11	-39	6	5	45	13
			LINEARITY ERROR (dB)	0.37	0.25	0.16	-0.12	-0.07	-0.07	-0.46	-0.33	-0.15	-0.55	0.09	0.07	0.63	0.19
			ACCURACY ERROR (dB)	0.91	0.79	0.71	0.43	0.49	0.49	0.10	0.24	0.42	0.02	0.67	0.66	1.22	0.78
11000 MHz	INTERCEPT (mV)	4819.3	Measured Value (mV)	248	593	940	1263	1614	1972	2297	2677	3053	3375	3764	4121	4504	4827
	SLOPE (mV/dB)	70.82	Error (mV)	32	23	16	-15	-18	-15	-44	-18	4	-28	7	10	39	8
			LINEARITY ERROR (dB)	0.45	0.32	0.22	-0.22	-0.26	-0.21	-0.62	-0.25	0.06	-0.39	0.10	0.14	0.55	0.11
			ACCURACY ERROR (dB)	0.78	0.68	0.61	0.19	0.18	0.26	-0.13	0.27	0.61	0.18	0.70	0.77	1.21	0.79
12000 MHz	INTERCEPT (mV)	4781.2	Measured Value (mV)	225	552	910	1225	1572	1939	2263	2644	3023	3338	3739	4075	4472	4781
	SLOPE (mV/dB)	70.72	Error (mV)	41	14	19	-20	-27	-13	-43	-16	10	-29	19	1	44	0
			LINEARITY ERROR (dB)	0.58	0.20	0.26	-0.28	-0.38	-0.19	-0.61	-0.22	0.14	-0.41	0.26	0.01	0.63	0.00
			ACCURACY ERROR (dB)	0.45	0.10	0.18	-0.35	-0.42	-0.21	-0.61	-0.20	0.18	-0.35	0.35	0.12	0.75	0.14
13000 MHz	INTERCEPT (mV)	4777.5	Measured Value (mV)	223	545	905	1224	1570	1939	2261	2628	3007	3334	3733	4073	4472	4783
	SLOPE (mV/dB)	70.74	Error (mV)	44	12	18	-16	-24	-9	-40	-27	-2	-29	17	3	48	5
			LINEARITY ERROR (dB)	0.62	0.17	0.26	-0.23	-0.34	-0.12	-0.57	-0.38	-0.03	-0.41	0.23	0.04	0.68	0.08
			ACCURACY ERROR (dB)	0.43	0.00	0.11	-0.36	-0.45	-0.21	-0.64	-0.43	-0.05	-0.40	0.26	0.09	0.75	0.17
14000 MHz	INTERCEPT (mV)	4797.7	Measured Value (mV)	232	562	915	1234	1581	1952	2274	2642	3024	3355	3746	4095	4488	4806
	SLOPE (mV/dB)	70.90	Error (mV)	43	19	17	-18	-26	-10	-42	-29	-1	-25	12	6	45	8
			LINEARITY ERROR (dB)	0.61	0.26	0.24	-0.26	-0.37	-0.13	-0.59	-0.40	-0.02	-0.35	0.17	0.09	0.63	0.12
			ACCURACY ERROR (dB)	0.55	0.24	0.25	-0.22	-0.29	-0.03	-0.45	-0.23	0.20	-0.10	0.45	0.40	0.98	0.50
15000 MHz	INTERCEPT (mV)	4765.5	Measured Value (mV)	224	546	906	1224	1571	1941	2264	2623	2994	3327	3723	4058	4462	4775
	SLOPE (mV/dB)	70.50	Error (mV)	41	11	18	-16	-22	-4	-34	-27	-9	-28	15	-2	49	9
			LINEARITY ERROR (dB)	0.59	0.15	0.26	-0.23	-0.31	-0.06	-0.48	-0.39	-0.13	-0.40	0.21	-0.04	0.69	0.13
			ACCURACY ERROR (dB)	0.44	0.01	0.12	-0.36	-0.43	-0.18	-0.60	-0.50	-0.23	-0.50	0.12	-0.12	0.61	0.06
16000 MHz	INTERCEPT (mV)	4769.3	Measured Value (mV)	241	578	928	1246	1596	1960	2282	2647	3011	3336	3730	4067	4465	4774
	SLOPE (mV/dB)	70.13	Error (mV)	30	16	16	-17	-17	-4	-33	-18	-5	-31	13	-1	46	5
			LINEARITY ERROR (dB)	0.43	0.23	0.23	-0.24	-0.25	-0.06	-0.47	-0.26	-0.07	-0.44	0.18	-0.01	0.66	0.07
			ACCURACY ERROR (dB)	0.68	0.47	0.44	-0.05	-0.08	0.09	-0.34	-0.16	0.01	-0.37	0.22	0.00	0.66	0.04
17000 MHz	INTERCEPT (mV)	4756.8	Measured Value (mV)	227	553	910	1226	1571	1939	2261	2632	2990	3323	3712	4057	4454	4763
	SLOPE (mV/dB)	70.28	Error (mV)	38	13	19	-17	-23	-7	-36	-16	-10	-28	9	3	49	6
			LINEARITY ERROR (dB)	0.55	0.18	0.26	-0.24	-0.33	-0.09	-0.51	-0.23	-0.14	-0.40	0.13	0.04	0.69	0.09
			ACCURACY ERROR (dB)	0.48	0.11	0.18	-0.33	-0.43	-0.21	-0.64	-0.37	-0.29	-0.56	-0.04	-0.14	0.50	-0.11
18000 MHz	INTERCEPT (mV)	4713.4	Measured Value (mV)	215	524	890	1203	1545	1915	2233	2603	2965	3277	3676	4011	4417	4720
	SLOPE (mV/dB)	69.88	Error (mV)	44	3	20	-17	-24	-3	-35	-14	-1	-39	11	-4	53	7
			LINEARITY ERROR (dB)	0.62	0.05	0.28	-0.24	-0.34	-0.05	-0.50	-0.20	-0.02	-0.56	0.15	-0.05	0.76	0.09
			ACCURACY ERROR (dB)	0.31	-0.30	-0.10	-0.66	-0.80	-0.55	-1.04	-0.78	-0.64	-1.21	-0.55	-0.79	-0.03	-0.72
Flatness		+/- dB		0.31	0.55	0.40	0.55	0.65	0.52	0.57	0.53	0.62	0.70	0.62	0.78	0.62	0.76

-65dBm mV-Out	
258	Max
215	Min





LOG TRANSFER WITH FREQUENCY
MODEL: ERDLVA-8G18G-65-70MV-2
TESTED BY: JIM HOPSON
DATE: 11/29/25
SERIAL NO: PL55704-BIT

Test Temp: +25C

DC Offset= 0.040

PLANAR MONOLITHICS INDUSTRIES
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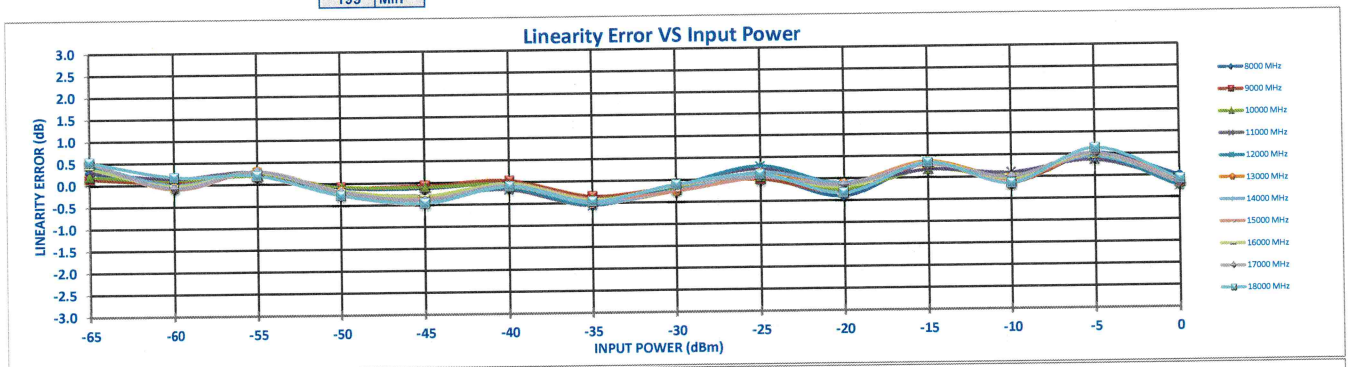
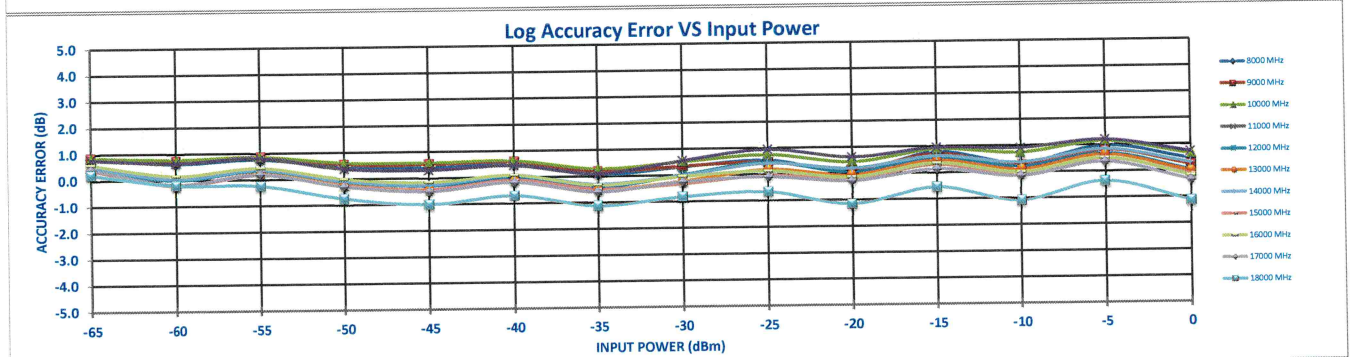
Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4758.9	243	577	937	1263	1610	1965	2286	2653	3018	3335	3734	4051	4446	4759	Measured Value (mV)
	SLOPE (mV/dB)	69.78	20	5	16	-7	-9	-3	-31	-13	3	-28	22	-10	36	0	Error (mV)
			0.28	0.07	0.23	-0.10	-0.13	-0.04	-0.44	-0.18	0.05	-0.41	0.31	-0.15	0.52	0.00	LINEARITY ERROR (dB)
			0.83	0.61	0.76	0.42	0.39	0.47	0.06	0.31	0.53	0.07	0.78	0.31	0.96	0.44	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4749.9	244	585	944	1271	1619	1973	2294	2655	3013	3339	3729	4046	4435	4743	Measured Value (mV)
	SLOPE (mV/dB)	69.47	10	3	15	-5	-5	2	-24	-11	0	-22	21	-9	32	-7	Error (mV)
			0.14	0.05	0.21	-0.08	-0.07	0.03	-0.35	-0.16	0.00	-0.31	0.30	-0.13	0.47	-0.10	LINEARITY ERROR (dB)
			0.84	0.72	0.86	0.54	0.52	0.58	0.17	0.34	0.46	0.13	0.71	0.24	0.81	0.21	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4778.1	245	588	944	1275	1623	1976	2301	2667	3033	3361	3742	4080	4458	4772	Measured Value (mV)
	SLOPE (mV/dB)	69.95	14	7	13	-5	-7	-4	-29	-13	4	-18	13	1	30	-6	Error (mV)
			0.20	0.10	0.19	-0.08	-0.10	-0.06	-0.41	-0.18	0.05	-0.26	0.19	0.02	0.42	-0.09	LINEARITY ERROR (dB)
			0.86	0.77	0.86	0.60	0.57	0.62	0.27	0.51	0.75	0.44	0.89	0.73	1.14	0.63	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4788.4	239	579	940	1259	1603	1963	2288	2670	3047	3374	3746	4092	4462	4778	Measured Value (mV)
	SLOPE (mV/dB)	70.32	22	10	19	-13	-21	-12	-39	-9	17	-8	12	7	25	-10	Error (mV)
			0.31	0.14	0.28	-0.19	-0.30	-0.18	-0.56	-0.12	0.24	-0.11	0.18	0.10	0.36	-0.15	LINEARITY ERROR (dB)
			0.77	0.64	0.80	0.37	0.29	0.44	0.09	0.55	0.95	0.63	0.95	0.90	1.19	0.71	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4746.6	216	534	907	1224	1562	1929	2252	2632	3013	3334	3719	4043	4426	4729	Measured Value (mV)
	SLOPE (mV/dB)	70.18	31	-2	20	-14	-26	-10	-38	-9	21	-9	25	-2	30	-18	Error (mV)
			0.44	-0.02	0.29	-0.19	-0.38	-0.15	-0.55	-0.13	0.30	-0.13	0.36	-0.03	0.43	-0.25	LINEARITY ERROR (dB)
			0.44	-0.01	0.33	-0.13	-0.30	-0.05	-0.43	0.01	0.46	0.05	0.56	0.20	0.68	0.01	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4738.8	212	522	898	1216	1552	1923	2246	2615	2993	3326	3711	4035	4422	4726	Measured Value (mV)
	SLOPE (mV/dB)	70.21	37	-4	21	-12	-27	-7	-35	-17	9	-9	25	-2	34	-13	Error (mV)
			0.53	-0.06	0.30	-0.17	-0.39	-0.10	-0.50	-0.25	0.14	-0.12	0.36	-0.02	0.49	-0.18	LINEARITY ERROR (dB)
			0.39	-0.18	0.20	-0.25	-0.44	-0.13	-0.51	-0.23	0.18	-0.06	0.45	0.08	0.62	-0.03	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4757.7	220	537	909	1226	1564	1937	2260	2631	3010	3344	3723	4054	4437	4748	Measured Value (mV)
	SLOPE (mV/dB)	70.35	35	0	20	-14	-28	-7	-36	-16	11	-7	21	0	31	-10	Error (mV)
			0.50	0.00	0.29	-0.20	-0.40	-0.10	-0.51	-0.23	0.16	-0.10	0.29	0.00	0.44	-0.14	LINEARITY ERROR (dB)
			0.50	0.04	0.36	-0.11	-0.27	0.07	-0.31	0.00	0.42	0.20	0.62	0.36	0.83	0.28	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4725.9	212	519	896	1214	1552	1924	2247	2608	2978	3316	3700	4019	4411	4718	Measured Value (mV)
	SLOPE (mV/dB)	70.00	36	-7	20	-12	-24	-2	-29	-18	2	-10	24	-7	35	-8	Error (mV)
			0.51	-0.10	0.28	-0.17	-0.34	-0.03	-0.41	-0.26	0.03	-0.14	0.34	-0.10	0.50	-0.11	LINEARITY ERROR (dB)
			0.39	-0.22	0.17	-0.28	-0.44	-0.12	-0.50	-0.33	-0.04	-0.20	0.29	-0.15	0.46	-0.14	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4726.8	226	545	914	1232	1571	1937	2258	2628	2989	3320	3704	4027	4413	4714	Measured Value (mV)
	SLOPE (mV/dB)	69.66	27	-2	19	-12	-21	-3	-31	-9	4	-14	22	-3	35	-13	Error (mV)
			0.39	-0.03	0.27	-0.17	-0.30	-0.05	-0.44	-0.13	0.05	-0.19	0.32	-0.05	0.50	-0.18	LINEARITY ERROR (dB)
			0.59	0.15	0.43	-0.02	-0.17	0.07	-0.34	-0.05	0.12	-0.15	0.35	-0.03	0.49	-0.20	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4716.3	214	522	897	1212	1547	1918	2240	2614	2974	3310	3689	4018	4403	4703	Measured Value (mV)
	SLOPE (mV/dB)	69.82	36	-5	21	-13	-28	-6	-33	-8	3	-10	20	0	36	-13	Error (mV)
			0.51	-0.08	0.30	-0.19	-0.39	-0.08	-0.47	-0.11	0.05	-0.14	0.29	0.00	0.51	-0.19	LINEARITY ERROR (dB)
			0.41	-0.18	0.19	-0.31	-0.51	-0.21	-0.60	-0.25	-0.10	-0.29	0.13	-0.16	0.35	-0.36	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4653.9	199	520	867	1180	1512	1883	2203	2574	2934	3249	3641	3953	4352	4648	Measured Value (mV)
	SLOPE (mV/dB)	69.10	36	12	14	-19	-32	-7	-32	-7	8	-23	24	-10	44	-6	Error (mV)
			0.53	0.17	0.20	-0.27	-0.47	-0.10	-0.47	-0.10	0.11	-0.33	0.34	-0.14	0.63	-0.09	LINEARITY ERROR (dB)
			0.20	-0.21	-0.24	-0.76	-1.01	-0.71	-1.13	-0.82	-0.67	-1.16	-0.55	-1.09	-0.38	-1.15	ACCURACY ERROR (dB)
	Flatness	+/- dB	0.33	0.49	0.55	0.68	0.79	0.67	0.70	0.69	0.81	0.89	0.75	0.99	0.79	0.93	

-65dBm mV-Out	
245	Max
199	Min





LOG TRANSFER WITH FREQUENCY
MODEL: ERDLVA-8G18G-65-70MV-2
TESTED BY: JIM HOPSON
DATE: 11/29/25
SERIAL NO: PL55704-RF

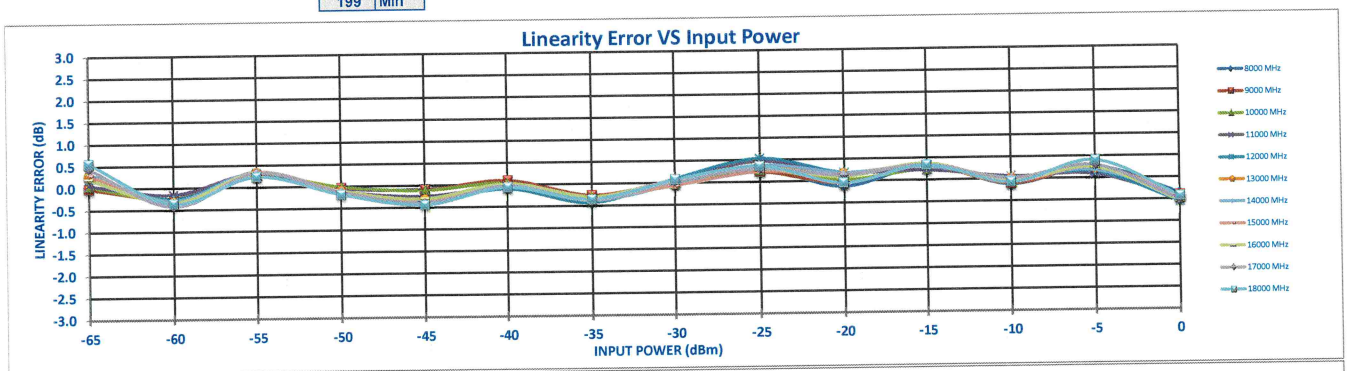
Test Temp: +85C

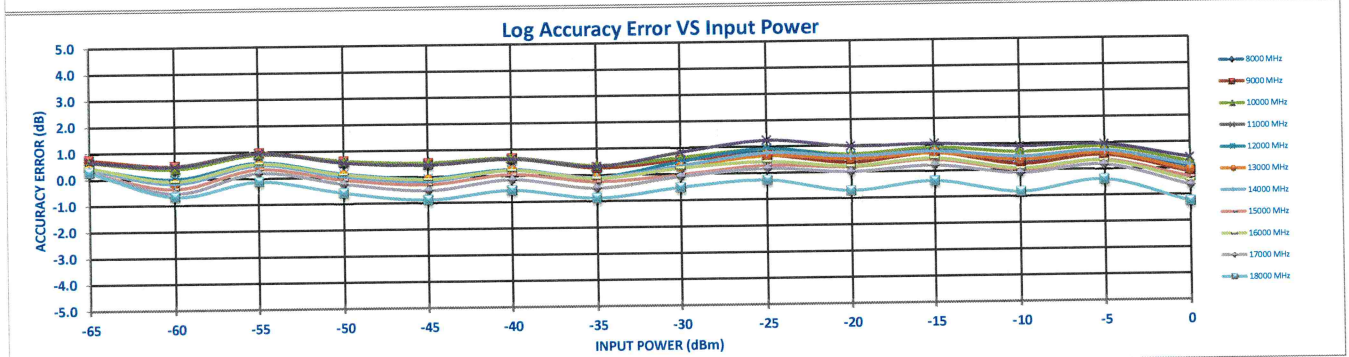
DC Offset= 0.060

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

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4753.9	229	559	945	1269	1614	1973	2296	2664	3033	3352	3732	4049	4424	4729	Measured Value (mV)
	SLOPE (mV/dB)	69.64	2	-16	21	-3	-6	5	-20	-1	20	-9	23	-8	18	-25	Error (mV)
			0.02	-0.24	0.31	-0.04	-0.09	0.07	-0.29	-0.01	0.29	-0.13	0.33	-0.12	0.26	-0.36	LINEARITY ERROR (dB)
			0.70	0.42	0.94	0.58	0.51	0.65	0.27	0.53	0.81	0.37	0.81	0.34	0.71	0.07	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4741.8	232	564	947	1272	1614	1974	2296	2663	3023	3351	3723	4041	4412	4714	Measured Value (mV)
	SLOPE (mV/dB)	69.36	-1	-16	20	-2	-7	7	-18	2	15	-4	22	-7	17	-28	Error (mV)
			-0.02	-0.23	0.29	-0.03	-0.09	0.10	-0.26	0.03	0.22	-0.05	0.31	-0.10	0.25	-0.40	LINEARITY ERROR (dB)
			0.74	0.49	0.97	0.62	0.51	0.66	0.27	0.52	0.67	0.36	0.68	0.23	0.53	-0.15	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4770.7	226	556	942	1272	1615	1975	2302	2670	3040	3373	3738	4073	4434	4742	Measured Value (mV)
	SLOPE (mV/dB)	69.96	3	-17	19	-1	-7	3	-20	-2	18	1	17	2	13	-29	Error (mV)
			0.04	-0.24	0.27	-0.01	-0.11	0.04	-0.29	-0.03	0.26	0.02	0.24	0.03	0.19	-0.41	LINEARITY ERROR (dB)
			0.66	0.38	0.90	0.62	0.53	0.68	0.35	0.62	0.91	0.67	0.89	0.69	0.85	0.26	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4785.9	226	562	946	1267	1609	1972	2300	2684	3063	3394	3748	4088	4441	4753	Measured Value (mV)
	SLOPE (mV/dB)	70.22	4	-11	22	-8	-17	-5	-28	5	33	12	15	4	6	-33	Error (mV)
			0.06	-0.15	0.32	-0.11	-0.24	-0.07	-0.40	0.07	0.46	0.18	0.22	0.06	0.09	-0.47	LINEARITY ERROR (dB)
			0.66	0.46	0.96	0.55	0.44	0.63	0.32	0.82	1.24	0.97	1.04	0.90	0.95	0.41	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4758.8	210	529	921	1238	1574	1944	2271	2659	3041	3368	3729	4057	4418	4720	Measured Value (mV)
	SLOPE (mV/dB)	70.21	15	-17	24	-10	-25	-7	-31	6	37	13	23	0	10	-39	Error (mV)
			0.21	-0.25	0.34	-0.15	-0.36	-0.09	-0.44	0.09	0.53	0.19	0.33	0.00	0.15	-0.55	LINEARITY ERROR (dB)
			0.43	-0.01	0.60	0.13	-0.06	0.23	-0.09	0.46	0.92	0.60	0.77	0.46	0.62	-0.06	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4753.4	207	517	914	1235	1571	1942	2269	2645	3022	3360	3723	4052	4417	4719	Measured Value (mV)
	SLOPE (mV/dB)	70.23	19	-23	23	-7	-22	-2	-26	-2	24	11	23	1	15	-34	Error (mV)
			0.26	-0.32	0.33	-0.10	-0.31	-0.03	-0.38	-0.02	0.35	0.16	0.33	0.01	0.21	-0.49	LINEARITY ERROR (dB)
			0.39	-0.18	0.50	0.09	-0.10	0.20	-0.12	0.26	0.65	0.49	0.68	0.39	0.61	-0.07	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4763.6	208	517	914	1230	1566	1942	2271	2648	3029	3368	3728	4061	4424	4733	Measured Value (mV)
	SLOPE (mV/dB)	70.44	23	-20	25	-11	-28	-4	-27	-2	26	13	21	2	13	-31	Error (mV)
			0.33	-0.28	0.35	-0.16	-0.39	-0.06	-0.38	-0.03	0.38	0.19	0.30	0.03	0.18	-0.43	LINEARITY ERROR (dB)
			0.40	-0.18	0.50	0.02	-0.17	0.20	-0.09	0.30	0.75	0.60	0.75	0.51	0.71	0.13	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4730.7	199	503	903	1222	1557	1931	2259	2625	2996	3339	3705	4026	4398	4701	Measured Value (mV)
	SLOPE (mV/dB)	70.04	21	-26	24	-7	-22	2	-20	-5	16	9	25	-4	17	-30	Error (mV)
			0.29	-0.37	0.35	-0.10	-0.32	0.02	-0.29	-0.07	0.23	0.13	0.35	-0.06	0.25	-0.42	LINEARITY ERROR (dB)
			0.27	-0.38	0.34	-0.10	-0.30	0.05	-0.26	-0.03	0.28	0.19	0.42	0.01	0.33	-0.33	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4728.5	212	523	918	1236	1571	1942	2268	2642	3006	3341	3709	4029	4397	4691	Measured Value (mV)
	SLOPE (mV/dB)	69.70	14	-23	23	-7	-21	2	-21	5	20	7	26	-2	17	-37	Error (mV)
			0.20	-0.34	0.33	-0.11	-0.30	0.02	-0.30	0.07	0.29	0.09	0.37	-0.04	0.24	-0.54	LINEARITY ERROR (dB)
			0.46	-0.09	0.56	0.11	-0.10	0.20	-0.13	0.22	0.42	0.22	0.48	0.06	0.32	-0.47	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4714.9	202	491	893	1211	1541	1917	2242	2620	2988	3326	3690	4017	4386	4679	Measured Value (mV)
	SLOPE (mV/dB)	69.90	31	-30	23	-9	-28	-2	-26	2	21	9	24	1	21	-36	Error (mV)
			0.44	-0.43	0.33	-0.13	-0.40	-0.03	-0.38	0.03	0.30	0.13	0.34	0.02	0.29	-0.51	LINEARITY ERROR (dB)
			0.31	-0.55	0.20	-0.25	-0.53	-0.15	-0.50	-0.10	0.17	0.00	0.21	-0.12	0.16	-0.65	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4665.5	199	482	870	1187	1516	1889	2215	2591	2957	3276	3649	3967	4347	4636	Measured Value (mV)
	SLOPE (mV/dB)	69.31	39	-25	17	-13	-31	-4	-25	5	24	-3	23	-5	28	-30	Error (mV)
			0.56	-0.36	0.24	-0.19	-0.44	-0.06	-0.36	0.07	0.35	-0.05	0.33	-0.08	0.40	-0.43	LINEARITY ERROR (dB)
			0.27	-0.68	-0.13	-0.60	-0.89	-0.55	-0.89	-0.51	-0.28	-0.71	-0.38	-0.83	-0.39	-1.26	ACCURACY ERROR (dB)
	Flatness	+/- dB	0.24	0.59	0.55	0.61	0.71	0.62	0.62	0.67	0.76	0.84	0.71	0.87	0.67	0.84	

-65dBm mV-Out	
232	Max
199	Min





LOG TRANSFER WITH FREQUENCY
MODEL: ERDLVA-8G18G-65-70MV-2
TESTED BY: JIM HOPSON
DATE: 11/29/25
SERIAL NO: PL55704-RF

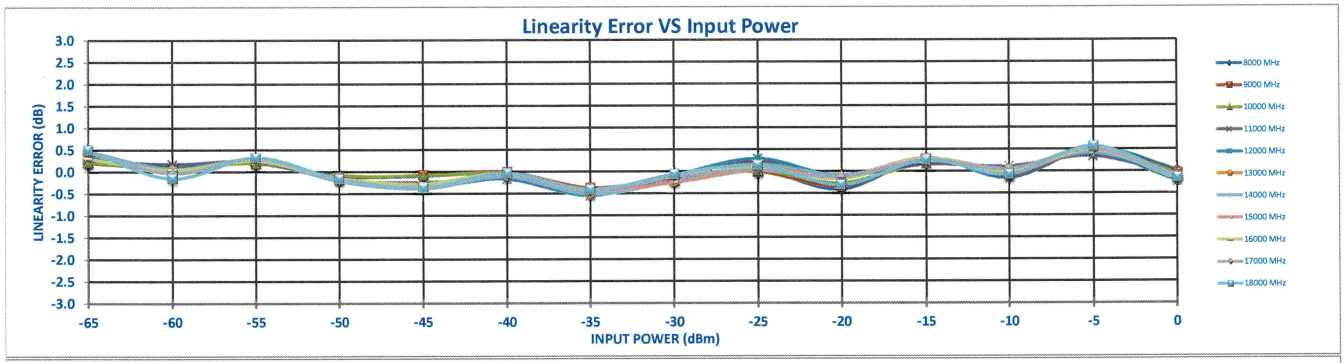
Test Temp: +25C

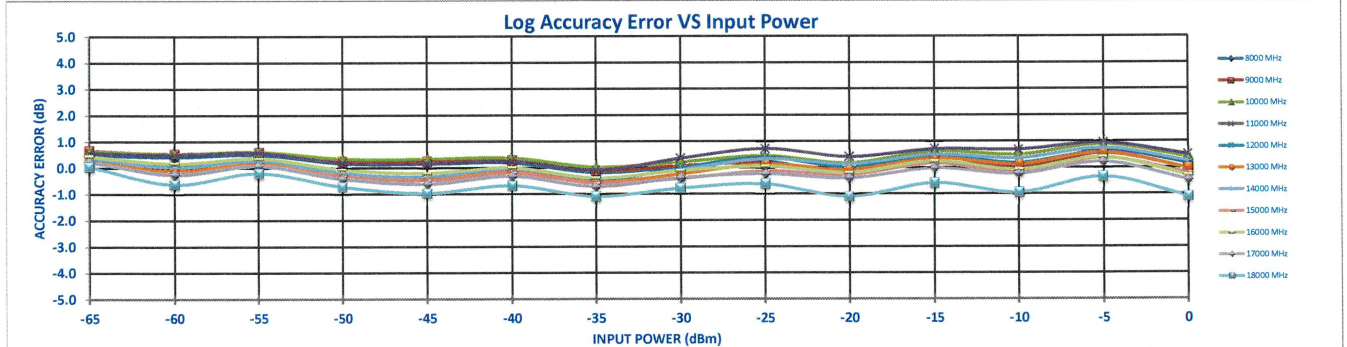
DC Offset= 0.043

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

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4755.9	235	578	934	1260	1609	1962	2285	2650	3014	3331	3730	4047	4443	4757	Measured Value (mV)
	SLOPE (mV/dB)	69.78	14	9	16	-7	-7	-3	-29	-13	2	-29	21	-11	36	1	Error (mV)
			0.21	0.12	0.23	-0.10	-0.10	-0.04	-0.41	-0.18	0.04	-0.42	0.30	-0.16	0.52	0.02	LINEARITY ERROR (dB)
			0.50	0.40	0.49	0.15	0.14	0.19	-0.19	0.03	0.23	-0.24	0.47	0.00	0.66	0.15	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4747.5	246	586	940	1266	1616	1968	2290	2653	3010	3334	3724	4046	4434	4744	Measured Value (mV)
	SLOPE (mV/dB)	69.47	14	7	13	-8	-5	-1	-26	-10	-1	-24	19	-7	34	-4	Error (mV)
			0.20	0.10	0.19	-0.12	-0.08	-0.01	-0.38	-0.15	-0.01	-0.35	0.27	-0.10	0.49	-0.05	LINEARITY ERROR (dB)
			0.66	0.52	0.58	0.24	0.24	0.28	-0.12	0.07	0.17	-0.19	0.38	-0.01	0.53	-0.04	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4777.7	244	587	942	1273	1622	1975	2300	2663	3029	3359	3740	4081	4458	4774	Measured Value (mV)
	SLOPE (mV/dB)	69.98	15	8	13	-6	-7	-4	-28	-15	1	-19	12	3	30	-4	Error (mV)
			0.21	0.12	0.19	-0.08	-0.09	-0.05	-0.41	-0.22	0.01	-0.27	0.17	0.04	0.43	-0.05	LINEARITY ERROR (dB)
			0.63	0.53	0.61	0.34	0.33	0.38	0.02	0.21	0.45	0.16	0.61	0.49	0.88	0.39	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4789.9	240	584	940	1262	1609	1966	2292	2673	3048	3376	3746	4094	4462	4781	Measured Value (mV)
	SLOPE (mV/dB)	70.30	19	12	16	-13	-17	-12	-37	-8	16	-8	11	7	24	-9	Error (mV)
			0.28	0.17	0.23	-0.19	-0.25	-0.17	-0.53	-0.11	0.22	-0.11	0.15	0.10	0.34	-0.13	LINEARITY ERROR (dB)
			0.57	0.49	0.58	0.18	0.14	0.25	-0.09	0.36	0.72	0.41	0.70	0.67	0.93	0.49	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4760	222	553	917	1234	1575	1940	2264	2647	3025	3348	3727	4059	4437	4744	Measured Value (mV)
	SLOPE (mV/dB)	70.22	26	6	19	-15	-25	-11	-38	-7	20	-8	20	1	28	-16	Error (mV)
			0.37	0.08	0.27	-0.22	-0.36	-0.16	-0.55	-0.09	0.29	-0.11	0.29	0.02	0.40	-0.23	LINEARITY ERROR (dB)
			0.31	0.05	0.25	-0.22	-0.34	-0.12	-0.49	-0.02	0.39	0.01	0.42	0.17	0.58	-0.04	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4755.2	218	542	909	1230	1569	1938	2260	2631	3007	3341	3721	4055	4436	4744	Measured Value (mV)
	SLOPE (mV/dB)	70.27	30	3	19	-12	-24	-6	-36	-16	8	-9	20	2	32	-11	Error (mV)
			0.43	0.04	0.26	-0.17	-0.34	-0.09	-0.51	-0.23	0.12	-0.13	0.28	0.03	0.46	-0.16	LINEARITY ERROR (dB)
			0.26	-0.11	0.14	-0.27	-0.43	-0.15	-0.55	-0.24	0.13	-0.09	0.34	0.11	0.56	-0.04	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4771	227	551	918	1235	1575	1946	2270	2643	3021	3357	3731	4071	4448	4763	Measured Value (mV)
	SLOPE (mV/dB)	70.41	33	5	20	-15	-27	-8	-37	-16	10	-6	16	4	29	-8	Error (mV)
			0.47	0.07	0.28	-0.22	-0.39	-0.12	-0.52	-0.22	0.15	-0.08	0.23	0.06	0.41	-0.11	LINEARITY ERROR (dB)
			0.39	0.02	0.27	-0.20	-0.34	-0.04	-0.41	-0.07	0.33	0.13	0.48	0.34	0.73	0.24	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4738.2	216	534	905	1225	1564	1934	2257	2619	2988	3328	3708	4034	4422	4731	Measured Value (mV)
	SLOPE (mV/dB)	70.04	31	-2	19	-11	-22	-2	-30	-18	1	-9	20	-4	34	-7	Error (mV)
			0.44	-0.02	0.27	-0.16	-0.32	-0.04	-0.42	-0.26	0.01	-0.13	0.29	-0.05	0.49	-0.10	LINEARITY ERROR (dB)
			0.23	-0.22	0.08	-0.35	-0.50	-0.21	-0.59	-0.42	-0.14	-0.28	0.15	-0.19	0.36	-0.22	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4738.7	231	561	924	1244	1584	1949	2271	2640	3001	3333	3713	4041	4423	4725	Measured Value (mV)
	SLOPE (mV/dB)	69.67	21	3	17	-11	-19	-3	-29	-8	4	-12	19	-1	33	-14	Error (mV)
			0.30	0.04	0.25	-0.16	-0.28	-0.04	-0.42	-0.12	0.06	-0.18	0.28	-0.01	0.47	-0.20	LINEARITY ERROR (dB)
			0.44	0.16	0.35	-0.07	-0.21	0.01	-0.39	-0.12	0.05	-0.21	0.22	-0.09	0.38	-0.31	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4725.7	217	531	904	1219	1555	1926	2248	2621	2981	3319	3695	4030	4411	4713	Measured Value (mV)
	SLOPE (mV/dB)	69.87	33	-3	21	-13	-27	-5	-32	-9	2	-9	17	3	35	-13	Error (mV)
			0.47	-0.04	0.30	-0.19	-0.38	-0.07	-0.46	-0.12	0.03	-0.13	0.25	0.04	0.50	-0.18	LINEARITY ERROR (dB)
			0.24	-0.27	0.06	-0.43	-0.63	-0.32	-0.72	-0.39	-0.24	-0.41	-0.03	-0.24	0.20	-0.48	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4679.7	203	505	885	1198	1531	1901	2222	2593	2954	3270	3656	3980	4372	4669	Measured Value (mV)
	SLOPE (mV/dB)	69.40	34	-11	22	-12	-26	-3	-29	-5	9	-22	17	-6	39	-11	Error (mV)
			0.49	-0.16	0.32	-0.17	-0.37	-0.04	-0.41	-0.07	0.13	-0.31	0.25	-0.08	0.57	-0.15	LINEARITY ERROR (dB)
			0.04	-0.64	-0.21	-0.73	-0.97	-0.68	-1.09	-0.79	-0.63	-1.11	-0.59	-0.96	-0.35	-1.11	ACCURACY ERROR (dB)
	Flatness	+/- dB	0.31	0.59	0.41	0.54	0.65	0.53	0.56	0.57	0.67	0.76	0.64	0.81	0.64	0.80	

-65dBm mV-Out	
246	Max
203	Min

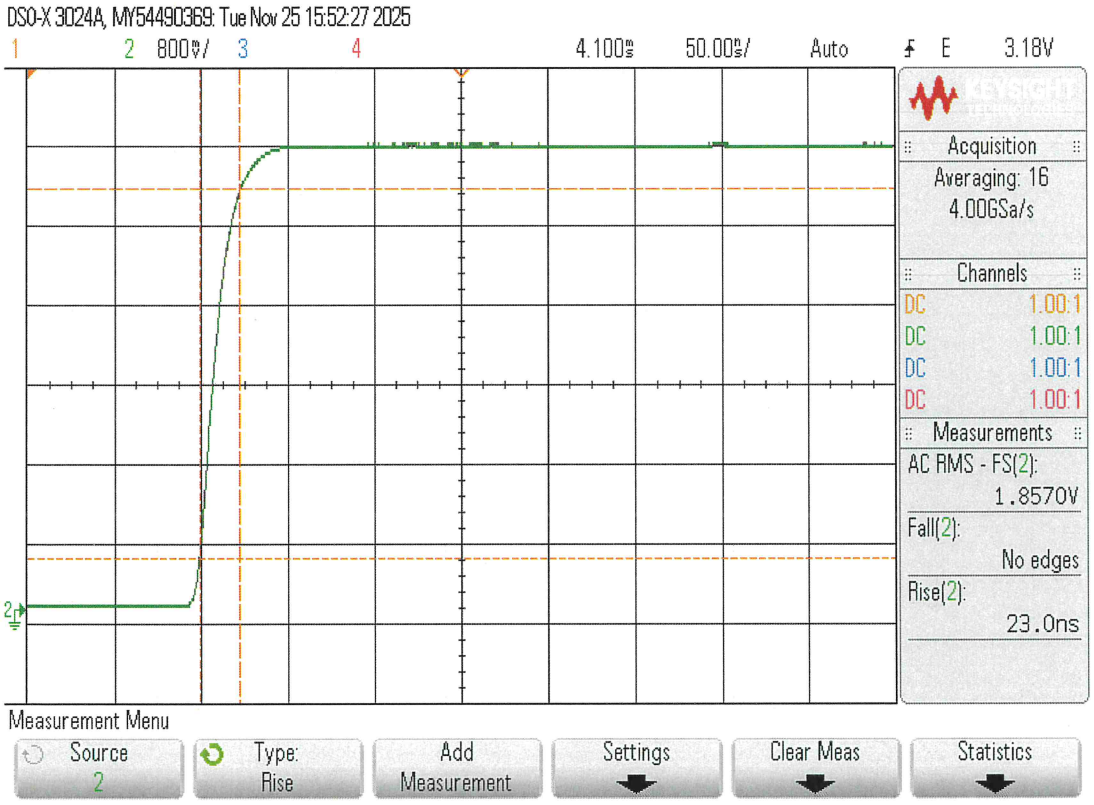




Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55704/2548

RISE TIME/SETTING TIME @ 0dBm

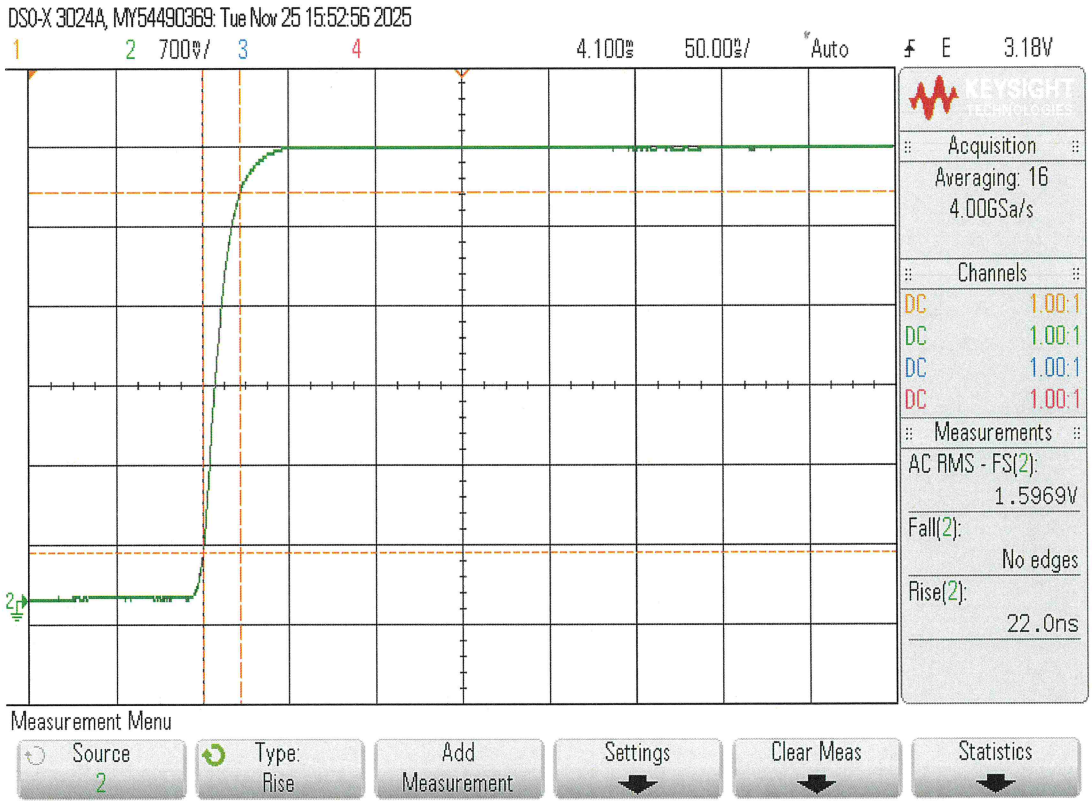


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55704/2548

RISE TIME/SETTING TIME @ -10dBm

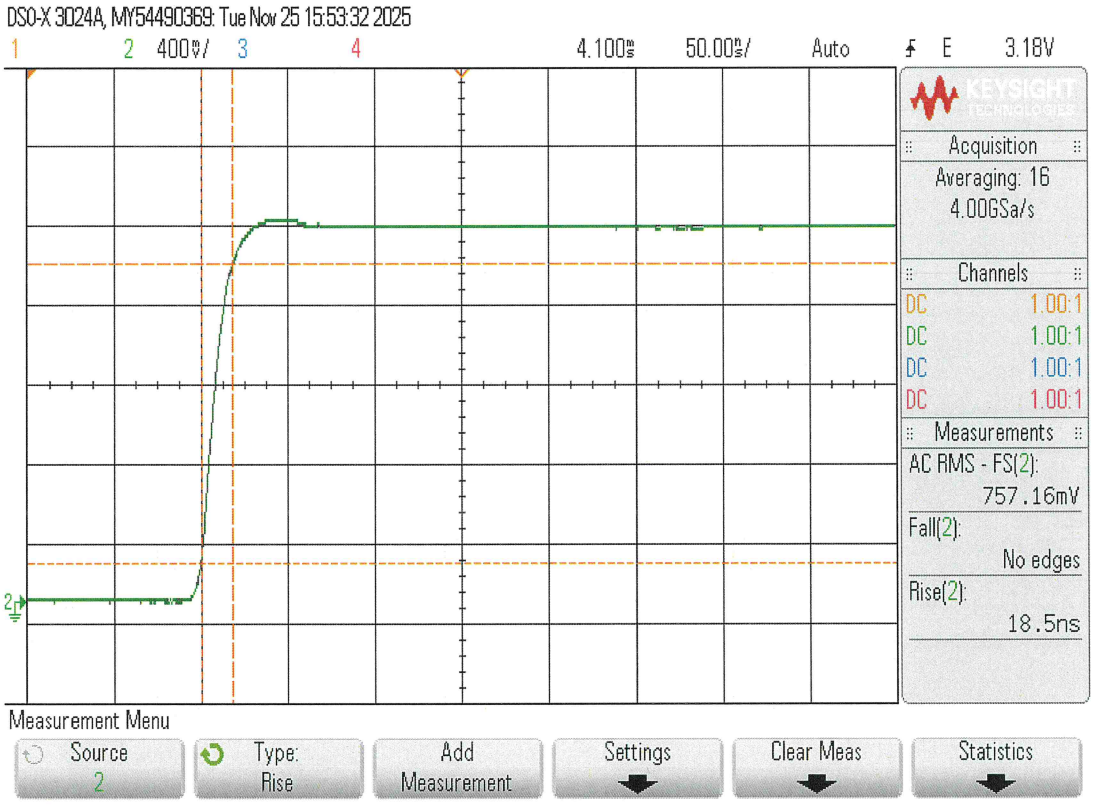


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55704/2548

RISE TIME/SETTING TIME @ -40dBm

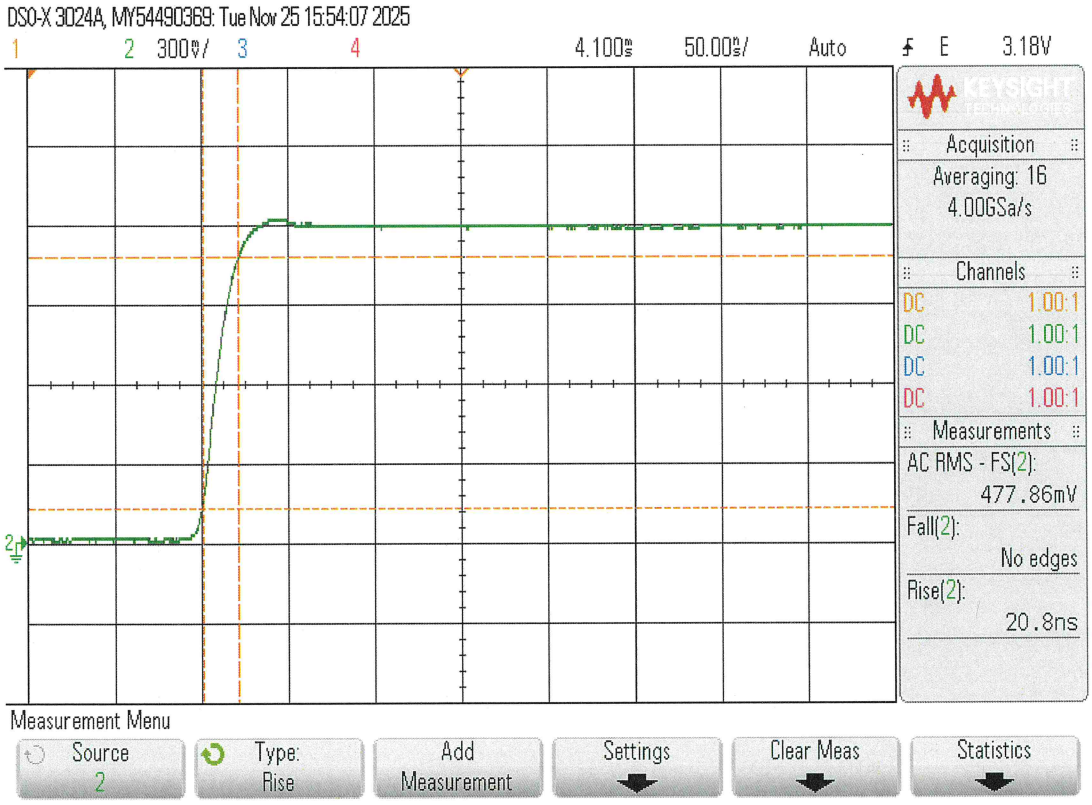


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55704/2548

RISE TIME/SETTING TIME @ -50dBm

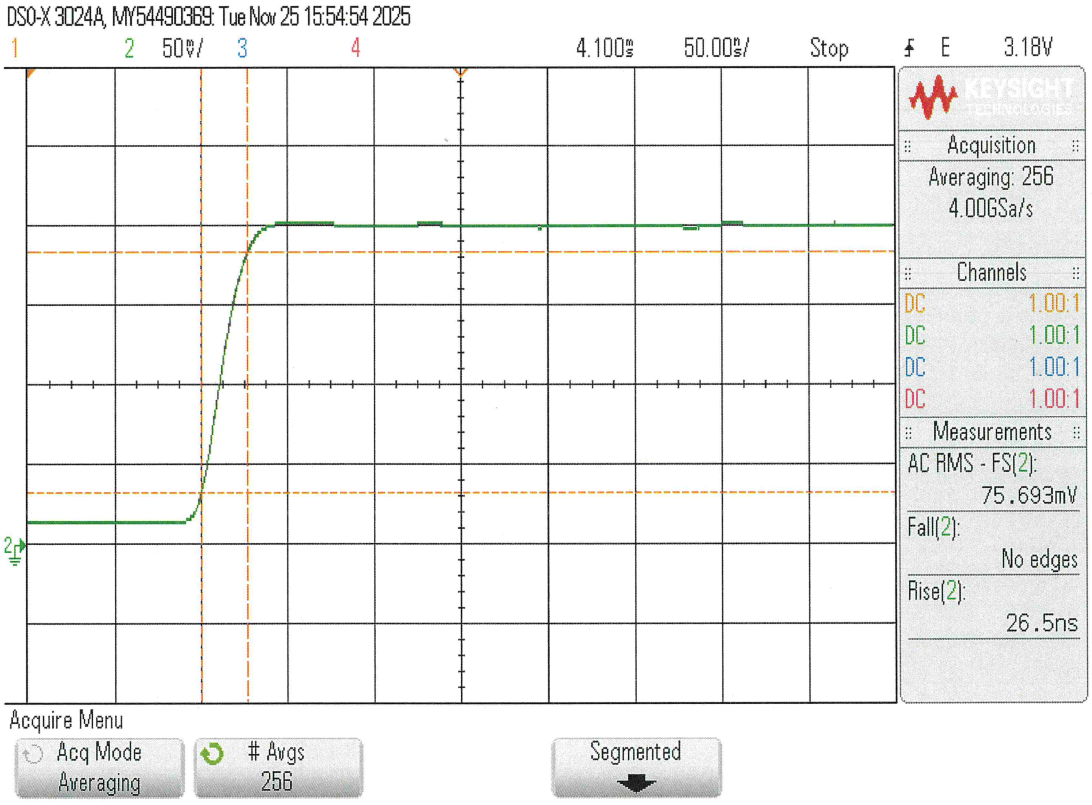


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55704/2548

RISE TIME/SETTING TIME @ -65dBm



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Summary Data
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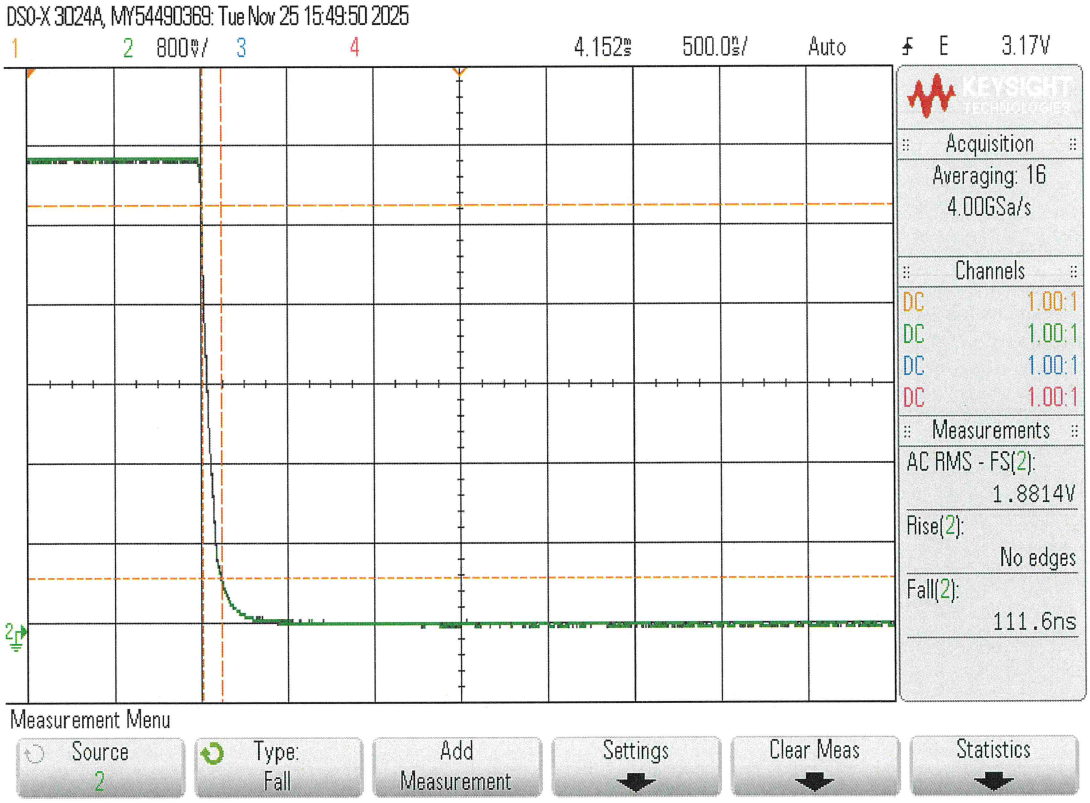
Serial No: PL55704/2548

RECOVERY TIME @ 0dBm



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Summary Data
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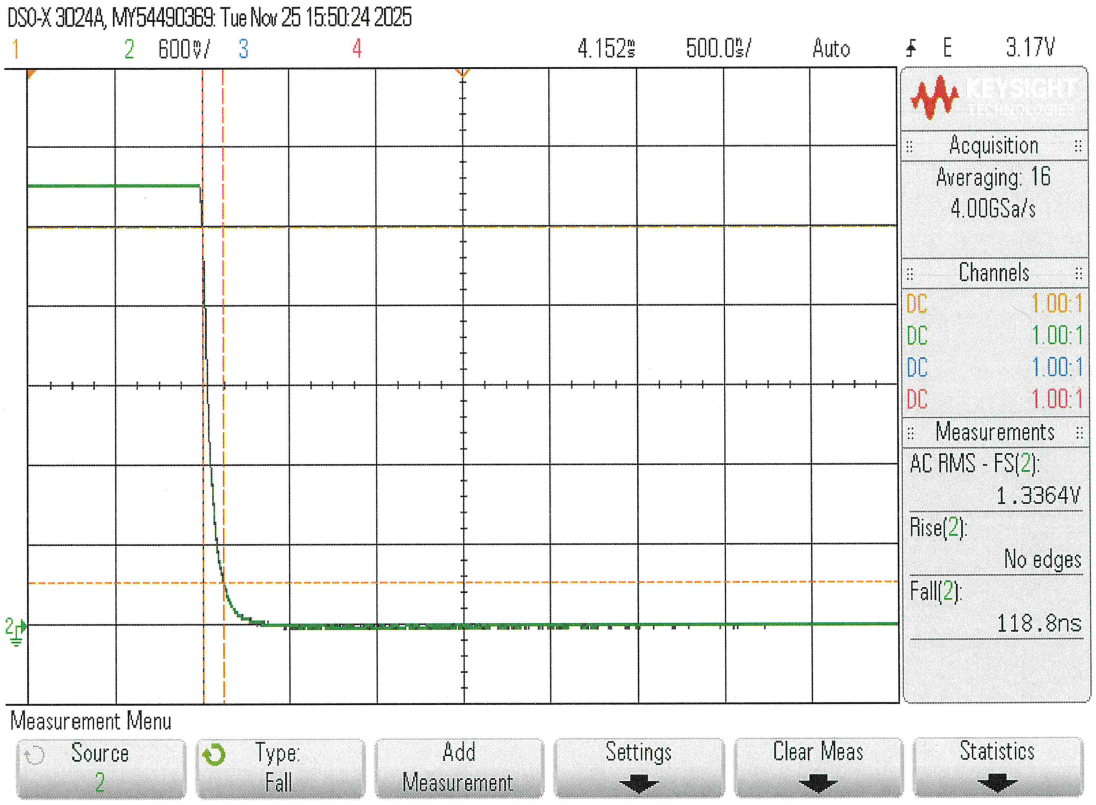
ERDLVA-8G18G-65-70MV-2

Serial No: PL55704/2548

RECOVERY TIME @ -20dBm



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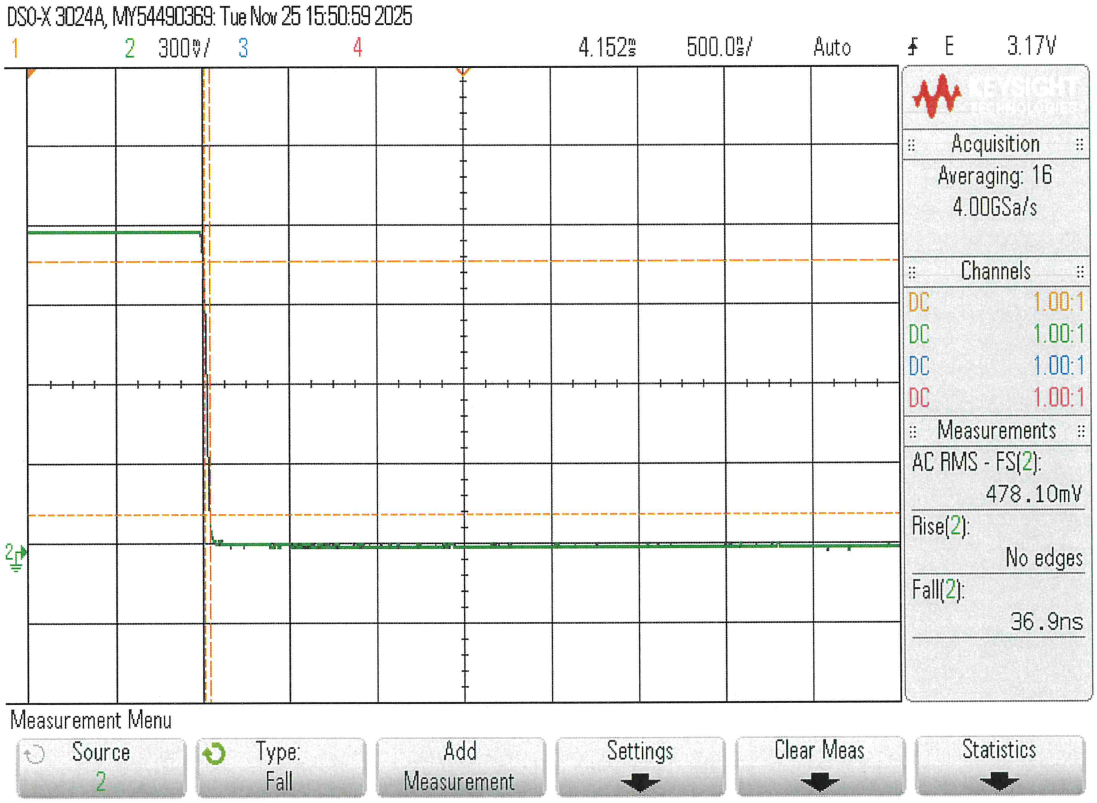
RECOVERY TIME @ -50dBm



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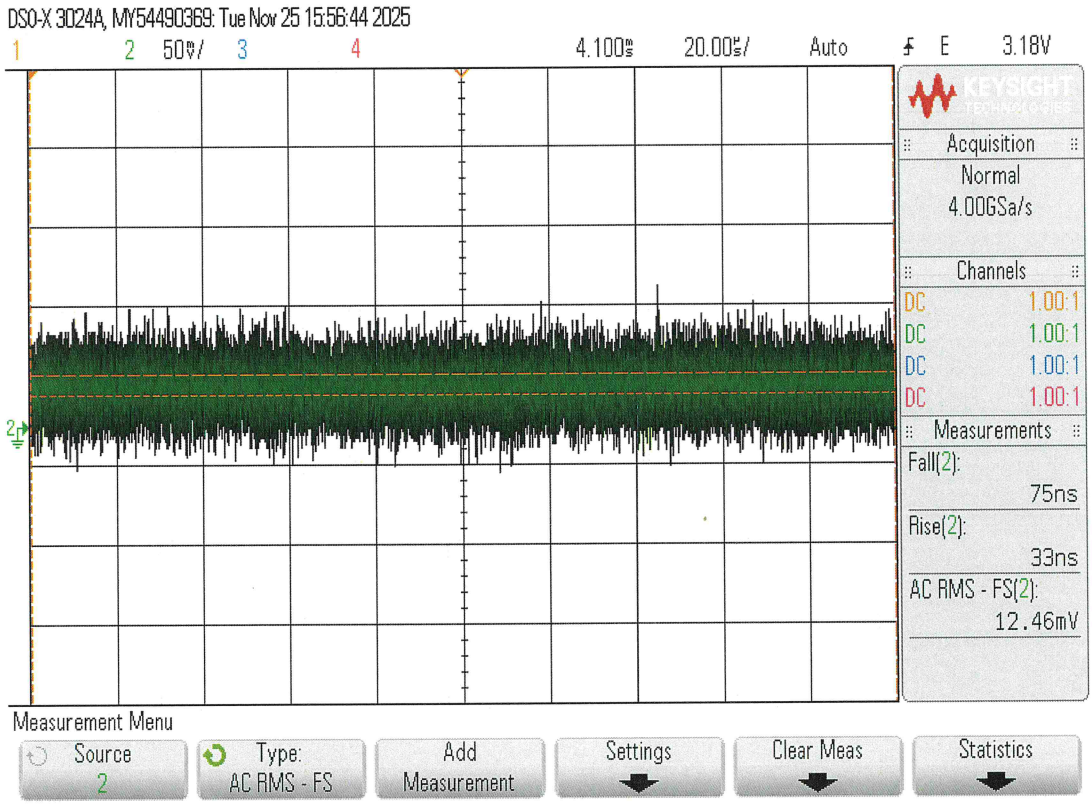
RMS NOISE



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Summary Data
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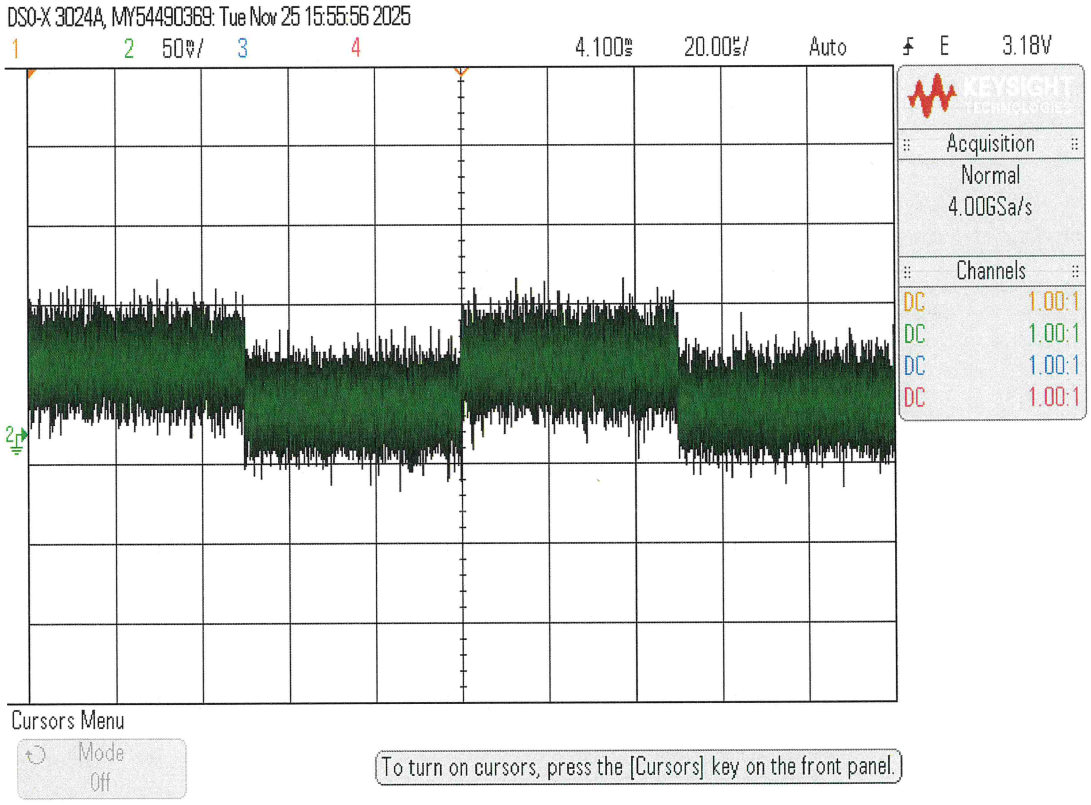
TSS



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Summary Data
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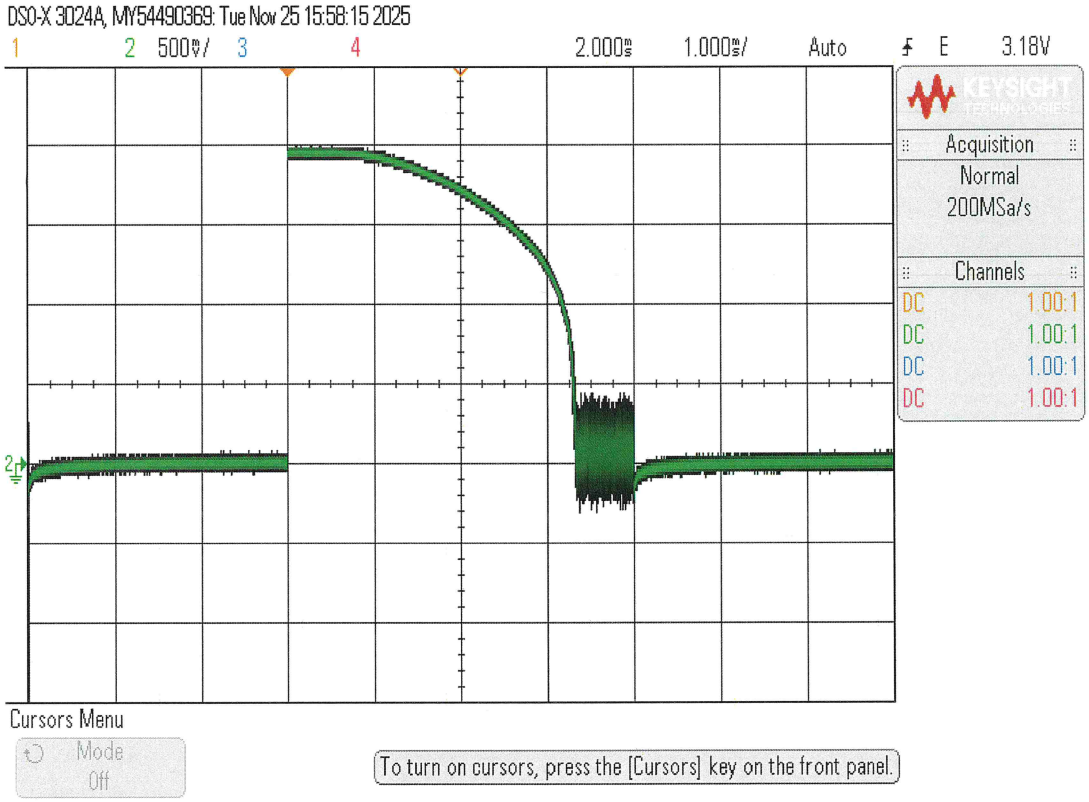
CW IMMUNITY TIME



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Summary Data
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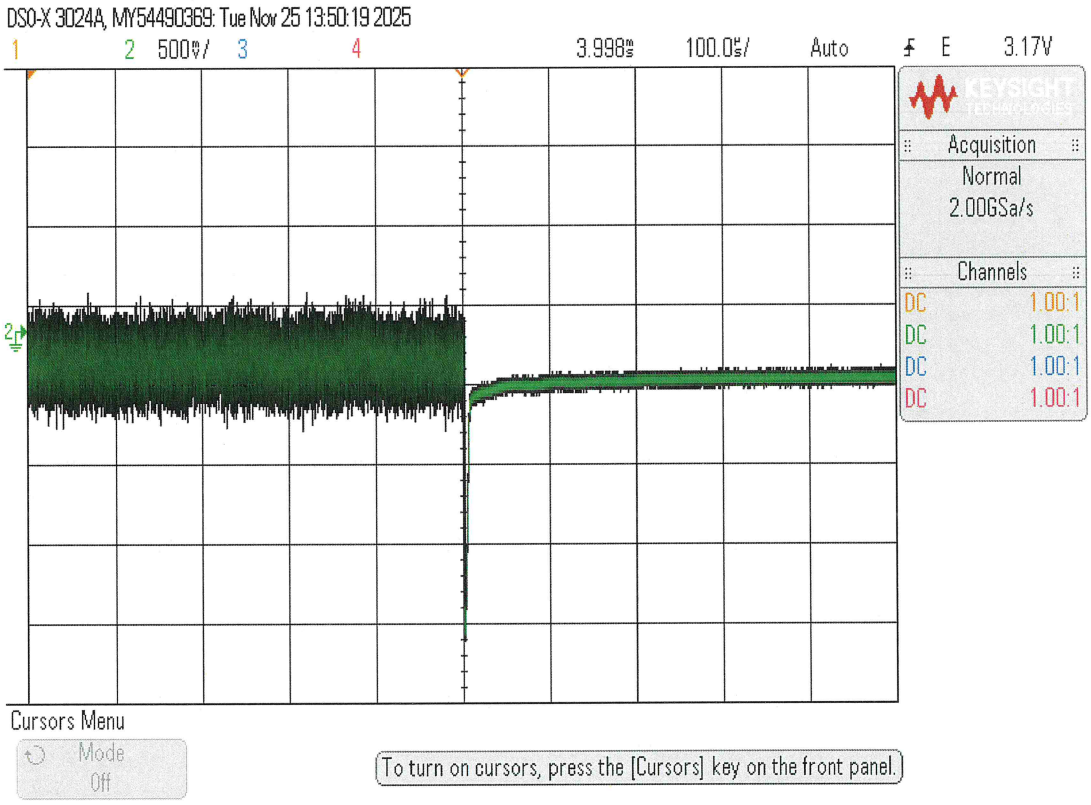
CW RECOVERY TIME



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