Summary Data
For
EWDM-6G18G-65-70MV-1

Customer: [redacted]
SO No: [redacted]
Model No: EWDM-6G18G-65-70MV-1
Serial No: PL40935/2335

Tested By: Jim Hopson
Temperature: 0°C TO +85°C
Date 7/18/2024
Drawing No: 27637972 **Rev:** A1

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	6 to 18 GHz	**6 to 18 GHz**	PMI QA3
2	VSWR:	2.2:1 MAX @ 50 Ω	**1.63:1 @ 50 Ω (RF IN)** **1.63:1 @ 50 Ω (BIT IN)** **1.62:1 @ 50 Ω (RF OUT)** **1.54:1 @ 50 Ω (SW OUT)**	
3	Noise Figure:	6 dB MAX	**4.6 dB TYP**	
4	Input Power:	(1) 1 W CW, Max. (2) 100 W Peak @ PW = 1 us & Duty Cycle = 1%, Max.	**Pass**	
5	TTL Control	See Logic Table	**Pass**	
6	SP3T Switch Isolation	60 dB MIN (All Ports)	**> 60 dB**	
7	SP3T Switching Speed:	100 ns MAX	**50 ns**	
8	RF OUT Linear Gain	+33 dB MIN, 39 dB MAX	**35 dB MIN / 36.7 dB MAX**	
9	RF OUT Frequency Flatness:	±2.5 dB MAX	**±0.8 dB**	
10	RF OUT 1 dB Compression Point:	+3 dBm MIN	**7.5 dBm**	
11	RF OUT Second Harmonic:	-9 dBc MIN	**-28 dBc**	
12	RF OUT Third Harmonic:	-12 dBc MIN	**-42 dBc**	

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13	SW Linear Gain	+7 dB MIN, 15 dB MAX	**12.7 dB MIN / 13.9 dB MAX**	PMI QA?
14	SW Frequency Flatness:	±1.5 dB MAX	**±0.6 dB**	
15	SW 1 dB Compression Point:	+3 dBm MIN	**3.2 dBm**	
16	SW Saturated Power:	+9 dBm MAX	**8.6 dBm**	
17	SW Second Harmonic:	-9 dBc MIN	**-27 dBc**	
18	SW Third Harmonic:	-12 dBc MIN	**-44 dBc**	
19	VIDEO OUT TSS:	-71 dBm MAX	**-71 dBm**	
20	VIDEO OUT Dynamic Range:	-65 to 0 dBm	**-65 to 0 dBm**	
21	VIDEO OUT Log Slope Fixed:	70 ± 3mV/dB	**69.9 mV/dB**	
22	VIDEO OUT Log Linearity:	±1.0 dB MAX @12 GHZ	**+0.28 / -0.2 dB**	
23	VIDEO OUT Log Accuracy:	±2.0 dB MAX	**+1.17 / -1.23 dB**	
24	VIDEO OUT Absolute Log Accuracy:	±2.25 dB MAX	**+1.93 / -1.96 dB**	
25	VIDEO OUT DC Offset:	0 ±70 mV (RF Input Terminated & DC Power On)	**-5 mV**	
26	VIDEO OUT Rise Time (10% to 90%):	25 ns TYP 28 ns MAX	**26.5 ns**	
27	VIDEO OUT Fall Time (90% to 10%):	300 ns MAX	**161.3 ns**	
28	VIDEO OUT Settling Time:	50 ns With in ±70 mV of final value, MAX	**40 ns typ**	

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29	VIDEO OUT Recovery Time:	0.5 us MAX to within 1 dB of baseline	**< 0.5 us**	PMI QA3
30	VIDEO OUT Video Frequency Flatness:	±1.75 dB MAX	**±0.87 dB**	
31	VIDEO OUT CW Immunity:	A. CW Immune Power TSS to -40 dBm Baseline Shift: 200 mV MAX	**125 mV TYP**	
		B. Pulse Peak Amplitude Loss; 2 dB MAX	**1.7 dB TYP**	
		CW Immunity Time at CW = -40 dBm, ≤ 3 ms	**1.5ms**	
		CW Recovery Time at CW = -40 dBm, ≤ 50 us	**40 us TYP**	
32	VIDEO OUT Pulse Response, input Signal:	100 ns to 300 us	**100 ns to 300 us**	
33	VIDEO OUT Impedance:	75 ±1 Ω	**75 Ω**	
34	VIDEO driver capability	150 ft RG11 into 75 ohm load	**PASS**	
35	Pulse density capability	10% duty cycle 100 ns, 70% duty cycle 300 us at peak power -10 dBm with 1 dB variable for pulse amplitude and baseline	**PASS**	
36	VIDEO OUT Noise Level (Vp-p):	160 mV TYP	**140mV TYP**	
37	Droop of the Output Video Pulse: @ -65 dBm & 300 us pulse width	70mV (1 dB) MAX	**45 mV TYP**	

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38	VIDEO OUT Propagation Delay:	50 ns MAX (excluding cable)	**33 ns**	PMI QA3
39	Power Supply	+15 V @ 1000 mA MAX -15 V @ 500 mA MAX	**+15 V @ 630 mA** **-15 V @ 140 mA**	
40	Power Supply Ripple From DC to 10 MHz	100 mV MAX	**PASS**	

QA/QC Approval: K. Lutes **Date:** 7-19-24

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LOG TRANSFER WITH FREQUENCY

TESTED BY: Jim Hopson
MODEL: EWDM-6G18G-65-70MV-1
SERIAL NO: PL40935 RF
DATE: 07/18/24

Test Temp: 25C
Video Offset: -0.005

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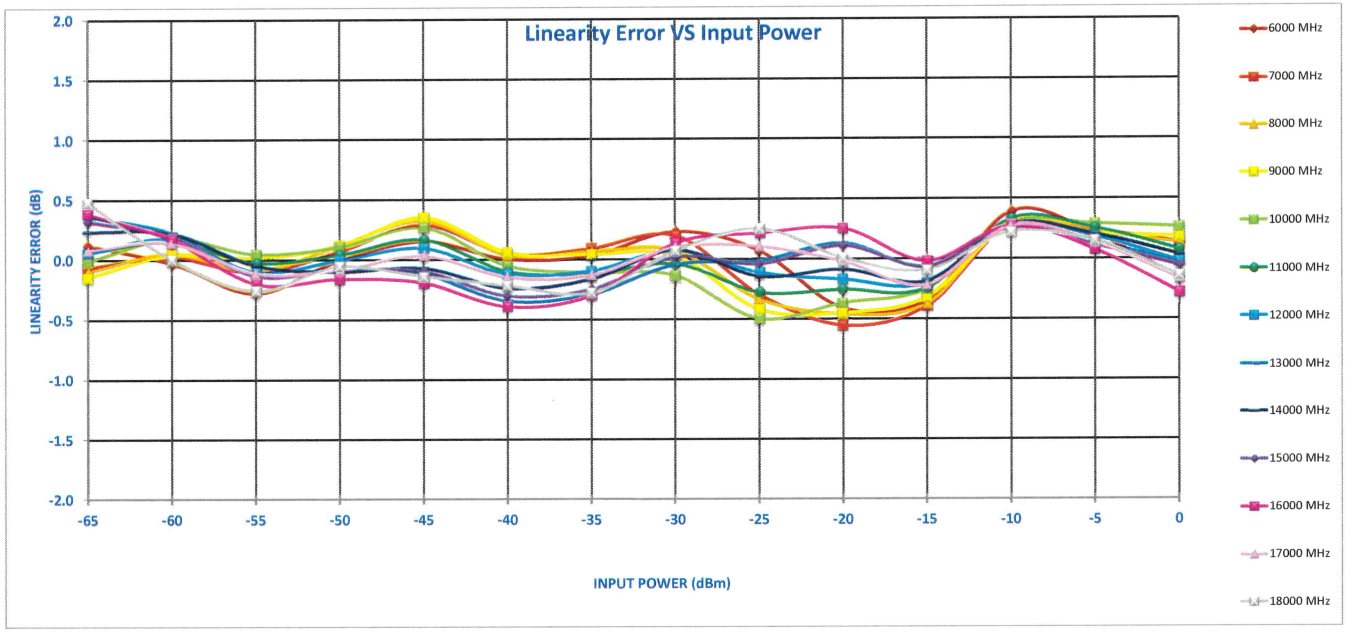
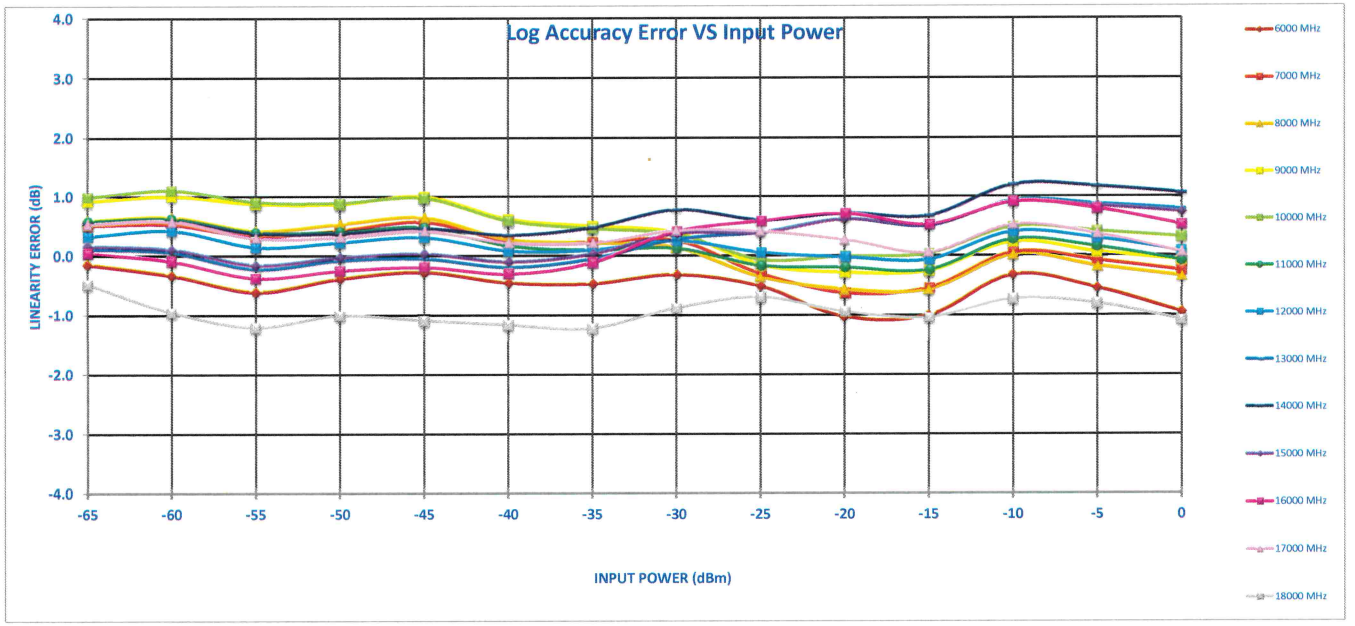
Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
6000 MHz	INTERCEPT (mV)	4710.2	205	542	872	1238	1596	1933	2282	2643	2979	3293	3645	4043	4377	4699	Measured Value (mV)
	SLOPE (mV/dB)	69.441	8	-2	-19	0	11	0	2	16	5	-28	-24	27	14	-11	Error (mV)
			0.12	-0.02	-0.27	0.00	0.15	0.01	0.03	0.23	0.07	-0.41	-0.34	0.39	0.20	-0.16	LINEARITY ERROR (dB)
			-0.14	-0.33	-0.61	-0.39	-0.27	-0.46	-0.47	-0.31	-0.51	-1.03	-1.00	-0.31	-0.54	-0.94	ACCURACY ERROR (dB)
7000 MHz	INTERCEPT (mV)	4738.6	251	602	938	1295	1655	1983	2331	2683	2994	3321	3677	4069	4410	4748	Measured Value (mV)
	SLOPE (mV/dB)	68.975	-4	2	-7	5	20	3	7	14	-20	-38	-27	20	16	9	Error (mV)
			-0.06	0.03	-0.10	0.07	0.29	0.05	0.09	0.20	-0.29	-0.55	-0.39	0.29	0.24	0.14	LINEARITY ERROR (dB)
			0.51	0.53	0.33	0.43	0.57	0.26	0.23	0.26	-0.30	-0.63	-0.54	0.06	-0.07	-0.24	ACCURACY ERROR (dB)
8000 MHz	INTERCEPT (mV)	4731.8	256	610	944	1302	1660	1984	2330	2674	2990	3325	3675	4066	4403	4741	Measured Value (mV)
	SLOPE (mV/dB)	68.758	-7	4	-6	8	22	3	5	5	-23	-32	-25	22	15	9	Error (mV)
			-0.09	0.05	-0.09	0.12	0.32	0.04	0.07	0.07	-0.33	-0.46	-0.37	0.32	0.22	0.13	LINEARITY ERROR (dB)
			0.59	0.64	0.41	0.53	0.64	0.27	0.21	0.13	-0.36	-0.57	-0.57	0.01	-0.17	-0.34	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4747.6	279	635	976	1326	1685	2008	2350	2692	3004	3345	3697	4081	4419	4760	Measured Value (mV)
	SLOPE (mV/dB)	68.593	-10	3	1	8	24	4	3	2	-29	-31	-22	19	14	12	Error (mV)
			-0.15	0.04	0.01	0.12	0.35	0.06	0.05	0.03	-0.42	-0.45	-0.32	0.28	0.21	0.18	LINEARITY ERROR (dB)
			0.91	1.00	0.87	0.87	1.00	0.61	0.50	0.39	-0.16	-0.29	-0.26	0.23	0.06	-0.07	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4769	284	642	978	1327	1683	2006	2347	2690	3010	3364	3717	4099	4444	4787	Measured Value (mV)
	SLOPE (mV/dB)	68.985	-1	12	3	7	18	-4	-8	-9	-34	-25	-17	20	20	18	Error (mV)
			-0.01	0.18	0.05	0.10	0.27	-0.05	-0.11	-0.14	-0.50	-0.37	-0.25	0.29	0.29	0.26	LINEARITY ERROR (dB)
			0.99	1.10	0.90	0.89	0.97	0.59	0.46	0.36	-0.07	-0.01	0.03	0.49	0.41	0.31	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4754	255	608	942	1293	1648	1976	2321	2673	3003	3351	3698	4084	4425	4759	Measured Value (mV)
	SLOPE (mV/dB)	69.275	4	10	-2	3	11	-7	-8	-3	-19	-18	-17	23	17	5	Error (mV)
			0.06	0.15	-0.03	0.04	0.16	-0.10	-0.12	-0.04	-0.28	-0.25	-0.24	0.33	0.25	0.07	LINEARITY ERROR (dB)
			0.57	0.61	0.39	0.40	0.47	0.16	0.09	0.11	-0.17	-0.20	-0.24	0.27	0.14	-0.09	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4771.7	237	594	924	1280	1636	1970	2321	2682	3018	3363	3710	4093	4435	4770	Measured Value (mV)
	SLOPE (mV/dB)	69.825	4	12	-7	0	6	-9	-7	5	-8	-12	-14	20	12	-2	Error (mV)
			0.06	0.17	-0.10	-0.01	0.09	-0.12	-0.10	0.07	-0.12	-0.17	-0.20	0.28	0.18	-0.02	LINEARITY ERROR (dB)
			0.31	0.41	0.13	0.21	0.30	0.07	0.09	0.24	0.04	-0.03	-0.07	0.40	0.29	0.07	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4822.3	222	568	899	1259	1611	1951	2311	2684	3042	3408	3750	4130	4476	4820	Measured Value (mV)
	SLOPE (mV/dB)	71.169	26	16	-9	-5	-9	-25	-20	-3	-1	9	-5	19	10	-2	Error (mV)
			0.36	0.22	-0.13	-0.07	-0.12	-0.35	-0.29	-0.05	-0.02	0.13	-0.07	0.27	0.13	-0.03	LINEARITY ERROR (dB)
			0.10	0.04	-0.23	-0.09	-0.06	-0.20	-0.06	0.27	0.39	0.61	0.50	0.93	0.87	0.79	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4836.7	253	606	941	1291	1647	1989	2348	2719	3057	3415	3762	4149	4497	4839	Measured Value (mV)
	SLOPE (mV/dB)	70.771	16	16	-3	-7	-5	-17	-12	5	-10	-6	-13	20	14	2	Error (mV)
			0.23	0.22	-0.05	-0.10	-0.07	-0.24	-0.17	0.08	-0.15	-0.09	-0.19	0.28	0.20	0.03	LINEARITY ERROR (dB)
			0.54	0.59	0.37	0.37	0.46	0.34	0.47	0.77	0.60	0.71	0.67	1.20	1.17	1.06	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4821	226	572	904	1263	1617	1958	2317	2691	3042	3408	3751	4129	4474	4817	Measured Value (mV)
	SLOPE (mV/dB)	71.045	23	14	-10	-6	-7	-21	-17	1	-3	8	-4	18	8	-4	Error (mV)
			0.32	0.19	-0.13	-0.08	-0.10	-0.30	-0.25	0.02	-0.04	0.11	-0.06	0.26	0.12	-0.06	LINEARITY ERROR (dB)
			0.16	0.10	-0.16	-0.03	0.03	-0.10	0.03	0.37	0.39	0.61	0.51	0.91	0.84	0.74	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4821.9	218	559	889	1248	1602	1944	2307	2694	3056	3415	3752	4129	4471	4802	Measured Value (mV)
	SLOPE (mV/dB)	71.253	28	12	-14	-11	-13	-28	-21	10	15	18	-1	20	5	-20	Error (mV)
			0.39	0.17	-0.20	-0.16	-0.19	-0.39	-0.29	0.14	0.22	0.26	-0.01	0.28	0.08	-0.28	LINEARITY ERROR (dB)
			0.04	-0.09	-0.37	-0.24	-0.19	-0.30	-0.11	0.41	0.59	0.71	0.53	0.91	0.80	0.53	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4780.5	252	605	936	1287	1644	1980	2330	2695	3044	3384	3719	4102	4441	4769	Measured Value (mV)
	SLOPE (mV/dB)	69.755	6	10	-8	-6	3	-10	-9	7	7	-1	-15	19	9	-11	Error (mV)
			0.08	0.14	-0.11	-0.08	0.04	-0.15	-0.13	0.10	0.11	-0.02	-0.22	0.27	0.13	-0.16	LINEARITY ERROR (dB)
			0.53	0.57	0.30	0.31	0.41	0.21	0.21	0.43	0.41	0.27	0.06	0.53	0.37	0.06	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4698.9	181	498	830	1194	1538	1883	2229	2603	2966	3299	3642	4014	4359	4689	Measured Value (mV)
	SLOPE (mV/dB)	70.02	33	0	-18	-4	-10	-15	-19	5	18	1	-7	15	10	-10	Error (mV)
			0.48	0.00	-0.25	-0.06	-0.14	-0.22	-0.27	0.07	0.25	0.01	-0.09	0.22	0.15	-0.14	LINEARITY ERROR (dB)
			-0.49	-0.96	-1.21	-1.01	-1.10	-1.17	-1.23	-0.89	-0.70	-0.94	-1.04	-0.73	-0.80	-1.09	ACCURACY ERROR (dB)
	Flatness		0.56	0.71	0.76	0.64	0.64	0.54	0.49	0.54	0.56	0.87	0.84	0.76	0.86	1.00	+/- dB

PL40935 RF


Linearity Error VS Input Power
LINEARITY ERROR (dB)
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
-2.0
-65
-60
-55
-50
-45
-40
-35
-30
-25
-20
-15
-10
-5
0
INPUT POWER (dBm)
6000 MHz
7000 MHz
8000 MHz
9000 MHz
10000 MHz
11000 MHz
12000 MHz
13000 MHz
14000 MHz
15000 MHz
16000 MHz
17000 MHz
18000 MHz


Log Accuracy Error VS Input Power
LINEARITY ERROR (dB)
4.0
3.0
2.0
1.0
0.0
-1.0
-2.0
-3.0
-4.0
-65
-60
-55
-50
-45
-40
-35
-30
-25
-20
-15
-10
-5
0
INPUT POWER (dBm)
6000 MHz
7000 MHz
8000 MHz
9000 MHz
10000 MHz
11000 MHz
12000 MHz
13000 MHz
14000 MHz
15000 MHz
16000 MHz
17000 MHz
18000 MHz

LOG TRANSFER WITH FREQUENCY

TESTED BY: Jim Hopson
MODEL: EWDM-6G18G-65-70MV-1
SERIAL NO: PL40935 BIT
DATE: 07/18/24

Test Temp: 25C
Video Offset: -0.006

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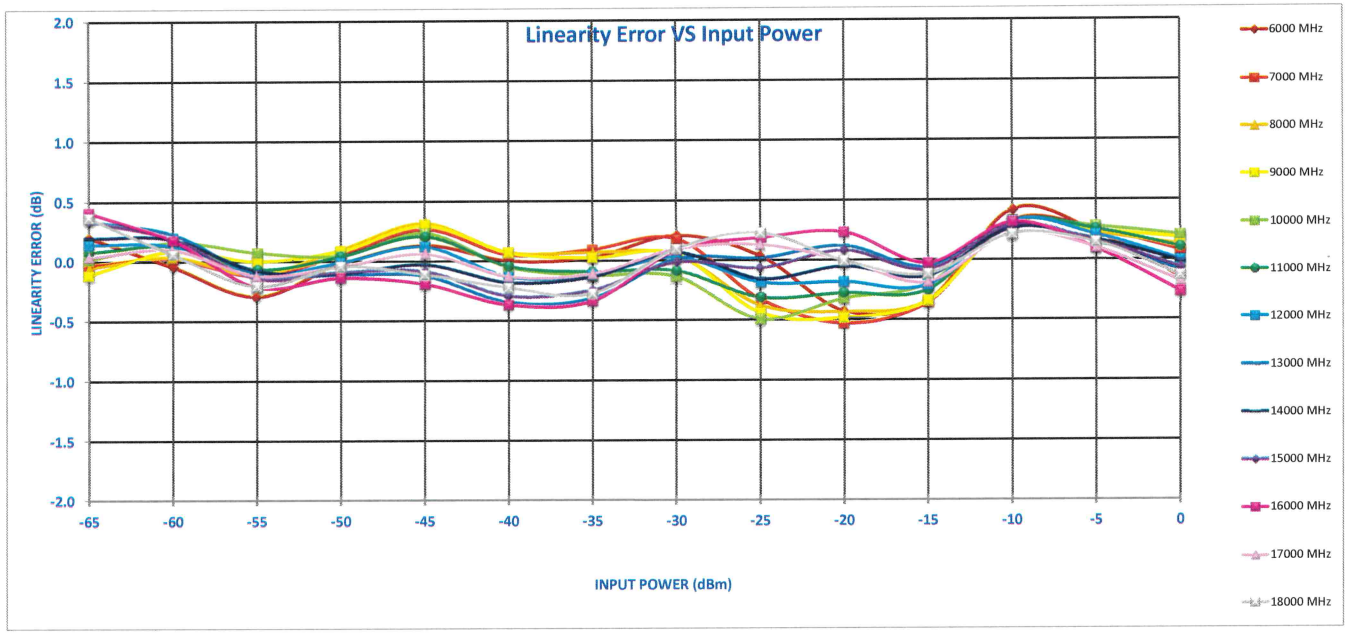
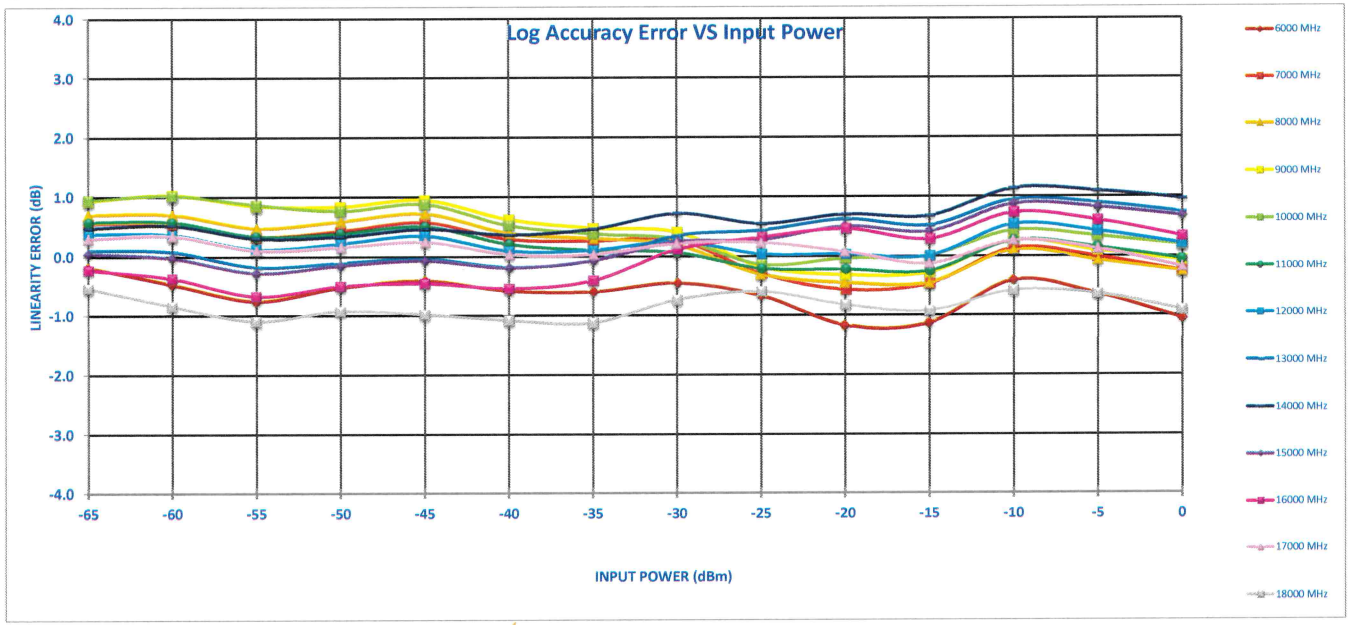
ISO 9001:2000 CERTIFIED

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
6000 MHz	INTERCEPT (mV)	4711.3	212	542	872	1238	1596	1934	2283	2643	2978	3293	3646	4046	4380	4701	Measured Value (mV)
	SLOPE (mV/dB)	69.439	14	-3	-20	-1	9	0	2	15	3	-30	-24	29	16	-10	Error (mV)
			0.20	-0.04	-0.29	-0.02	0.14	0.00	0.03	0.21	0.04	-0.43	-0.34	0.42	0.23	-0.15	LINEARITY ERROR (dB)
			-0.19	-0.47	-0.76	-0.53	-0.41	-0.59	-0.60	-0.46	-0.67	-1.17	-1.13	-0.41	-0.64	-1.06	ACCURACY ERROR (dB)
7000 MHz	INTERCEPT (mV)	4751.5	264	613	948	1305	1665	1995	2343	2694	3004	3335	3692	4084	4424	4757	Measured Value (mV)
	SLOPE (mV/dB)	69.007	-2	2	-8	4	19	4	7	13	-22	-36	-24	23	18	5	Error (mV)
			-0.03	0.03	-0.12	0.06	0.27	0.05	0.10	0.18	-0.32	-0.53	-0.35	0.33	0.25	0.08	LINEARITY ERROR (dB)
			0.56	0.54	0.33	0.43	0.57	0.29	0.26	0.27	-0.30	-0.57	-0.47	0.13	-0.01	-0.26	ACCURACY ERROR (dB)
8000 MHz	INTERCEPT (mV)	4748.3	274	624	958	1316	1675	2002	2346	2688	3003	3343	3693	4082	4420	4757	Measured Value (mV)
	SLOPE (mV/dB)	68.78	-4	3	-7	7	22	5	5	3	-26	-30	-24	22	16	9	Error (mV)
			-0.05	0.04	-0.11	0.10	0.32	0.07	0.07	0.05	-0.37	-0.43	-0.34	0.31	0.23	0.13	LINEARITY ERROR (dB)
			0.70	0.70	0.47	0.59	0.71	0.39	0.30	0.19	-0.31	-0.46	-0.46	0.10	-0.07	-0.26	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4757.4	290	647	984	1333	1691	2018	2358	2703	3012	3352	3705	4093	4431	4770	Measured Value (mV)
	SLOPE (mV/dB)	68.607	-8	6	0	6	21	5	2	4	-30	-33	-23	22	17	13	Error (mV)
			-0.12	0.09	0.00	0.09	0.31	0.07	0.03	0.06	-0.44	-0.48	-0.34	0.32	0.24	0.18	LINEARITY ERROR (dB)
			0.93	1.03	0.84	0.83	0.94	0.61	0.47	0.40	-0.19	-0.33	-0.29	0.26	0.09	-0.07	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4773.7	291	646	985	1328	1686	2011	2351	2695	3015	3372	3725	4105	4448	4788	Measured Value (mV)
	SLOPE (mV/dB)	68.979	1	11	5	3	16	-4	-8	-9	-34	-22	-14	21	19	14	Error (mV)
			0.01	0.16	0.08	0.05	0.24	-0.05	-0.12	-0.13	-0.50	-0.32	-0.20	0.31	0.28	0.21	LINEARITY ERROR (dB)
			0.94	1.01	0.86	0.76	0.87	0.51	0.37	0.29	-0.14	-0.04	0.00	0.43	0.33	0.19	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4763.8	265	615	948	1302	1660	1989	2332	2679	3010	3359	3707	4093	4435	4771	Measured Value (mV)
	SLOPE (mV/dB)	69.294	-5	9	-5	3	14	-3	-7	-6	-21	-19	-17	22	18	7	Error (mV)
			0.08	0.13	-0.07	0.04	0.21	-0.04	-0.09	-0.09	-0.31	-0.27	-0.25	0.32	0.25	0.10	LINEARITY ERROR (dB)
			0.57	0.57	0.33	0.39	0.50	0.20	0.10	0.06	-0.21	-0.23	-0.26	0.26	0.14	-0.06	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4789.2	251	600	933	1290	1649	1981	2332	2692	3027	3377	3725	4112	4454	4789	Measured Value (mV)
	SLOPE (mV/dB)	69.97	10	9	-8	-1	8	-9	-8	2	-13	-13	-15	23	15	0	Error (mV)
			0.14	0.13	-0.11	-0.01	0.12	-0.13	-0.12	0.03	-0.18	-0.18	-0.21	0.32	0.21	0.00	LINEARITY ERROR (dB)
			0.37	0.36	0.11	0.21	0.34	0.09	0.10	0.24	0.03	0.03	0.00	0.53	0.41	0.20	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4832.4	232	580	912	1267	1622	1962	2320	2699	3055	3418	3761	4141	4487	4826	Measured Value (mV)
	SLOPE (mV/dB)	71.145	24	16	-7	-8	-9	-25	-22	1	1	9	-4	20	10	-6	Error (mV)
			0.34	0.23	-0.10	-0.11	-0.12	-0.35	-0.31	0.01	0.02	0.12	-0.06	0.28	0.15	-0.09	LINEARITY ERROR (dB)
			0.10	0.07	-0.19	-0.11	-0.04	-0.19	-0.07	0.34	0.43	0.61	0.51	0.94	0.89	0.73	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4842.9	258	611	946	1298	1657	2000	2357	2725	3063	3424	3772	4154	4501	4842	Measured Value (mV)
	SLOPE (mV/dB)	70.753	14	13	-5	-7	-2	-13	-10	5	-11	-4	-10	19	12	-1	Error (mV)
			0.20	0.19	-0.08	-0.10	-0.03	-0.18	-0.13	0.07	-0.16	-0.05	-0.14	0.26	0.17	-0.01	LINEARITY ERROR (dB)
			0.47	0.51	0.30	0.33	0.46	0.36	0.46	0.71	0.54	0.70	0.67	1.13	1.09	0.96	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4826.5	228	573	905	1264	1620	1961	2320	2692	3044	3410	3754	4136	4482	4822	Measured Value (mV)
	SLOPE (mV/dB)	71.121	24	14	-10	-6	-6	-21	-17	-1	-4	6	-6	21	11	-5	Error (mV)
			0.34	0.19	-0.14	-0.09	-0.09	-0.29	-0.24	-0.01	-0.06	0.08	-0.08	0.29	0.16	-0.06	LINEARITY ERROR (dB)
			0.04	-0.03	-0.29	-0.16	-0.07	-0.20	-0.07	0.24	0.27	0.50	0.41	0.87	0.81	0.67	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4816.9	209	549	878	1240	1593	1937	2296	2683	3047	3407	3745	4126	4467	4798	Measured Value (mV)
	SLOPE (mV/dB)	71.345	29	13	-15	-10	-13	-26	-24	6	14	17	-2	23	7	-19	Error (mV)
			0.41	0.18	-0.21	-0.14	-0.19	-0.37	-0.33	0.09	0.19	0.24	-0.02	0.32	0.10	-0.27	LINEARITY ERROR (dB)
			-0.23	-0.37	-0.67	-0.50	-0.46	-0.54	-0.41	0.11	0.31	0.46	0.29	0.73	0.60	0.33	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4774.4	246	599	932	1286	1642	1977	2327	2690	3041	3380	3716	4093	4433	4762	Measured Value (mV)
	SLOPE (mV/dB)	69.708	3	7	-8	-3	4	-9	-8	7	9	0	-13	16	7	-12	Error (mV)
			0.04	0.10	-0.12	-0.04	0.06	-0.13	-0.11	0.10	0.13	0.00	-0.18	0.23	0.10	-0.18	LINEARITY ERROR (dB)
			0.30	0.34	0.10	0.16	0.24	0.03	0.03	0.21	0.23	0.07	-0.13	0.26	0.11	-0.19	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4720.3	187	516	848	1210	1556	1899	2246	2623	2983	3317	3660	4034	4380	4711	Measured Value (mV)
	SLOPE (mV/dB)	70.142	26	4	-15	-3	-8	-16	-19	7	16	0	-8	15	10	-9	Error (mV)
			0.37	0.06	-0.21	-0.05	-0.11	-0.22	-0.28	0.10	0.23	-0.01	-0.12	0.22	0.15	-0.13	LINEARITY ERROR (dB)
			-0.54	-0.84	-1.10	-0.93	-0.99	-1.09	-1.13	-0.74	-0.60	-0.83	-0.93	-0.59	-0.64	-0.91	ACCURACY ERROR (dB)
	Flatness	+/- dB	0.59	0.75	0.81	0.68	0.70	0.60	0.54	0.59	0.61	0.94	0.90	0.77	0.86	1.01	

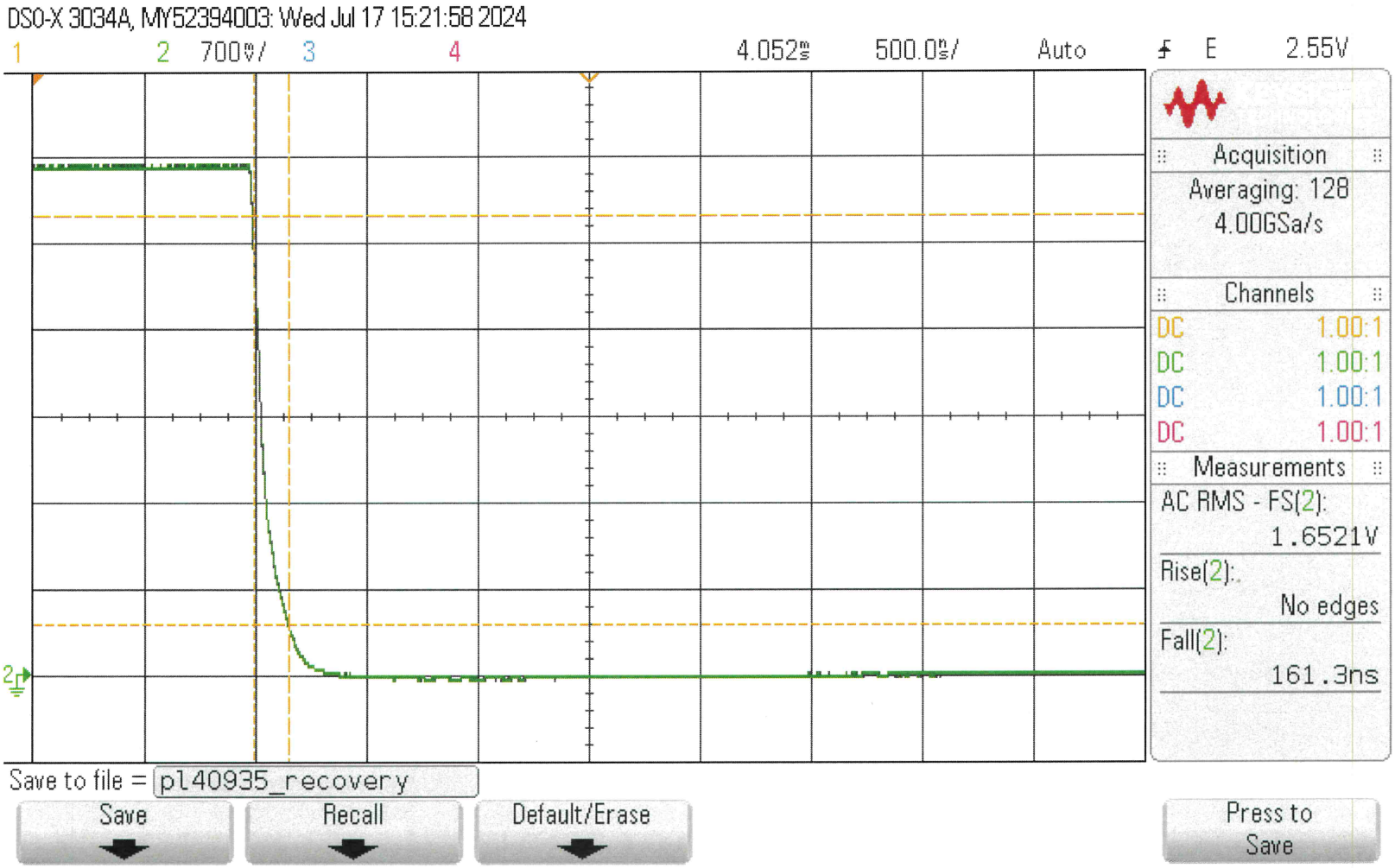
PL40935 BiT


Linearity Error VS Input Power
LINEARITY ERROR (dB)
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
-2.0
-65
-60
-55
-50
-45
-40
-35
-30
-25
-20
-15
-10
-5
0
INPUT POWER (dBm)
6000 MHz
7000 MHz
8000 MHz
9000 MHz
10000 MHz
11000 MHz
12000 MHz
13000 MHz
14000 MHz
15000 MHz
16000 MHz
17000 MHz
18000 MHz

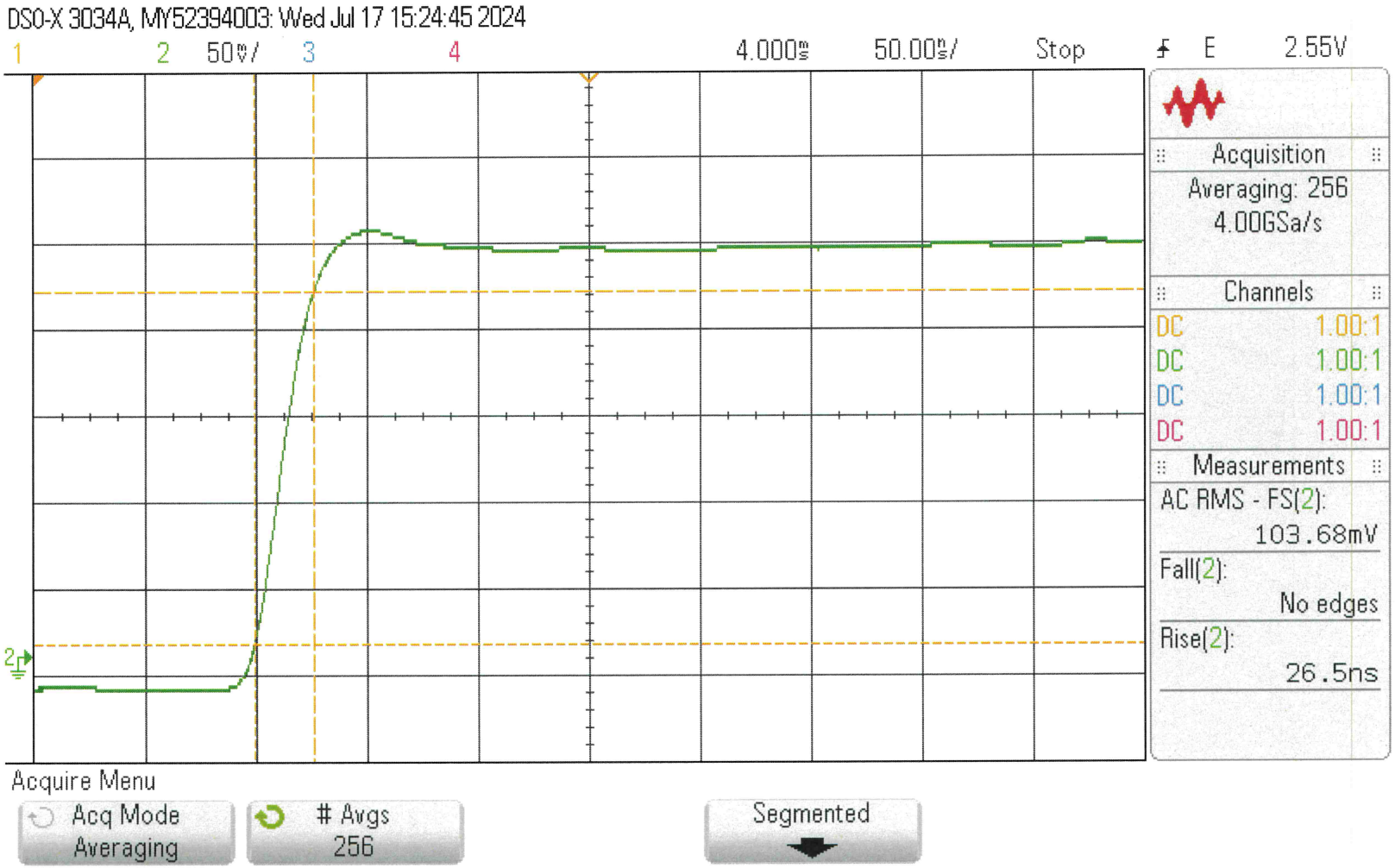

Log Accuracy Error VS Input Power
LINEARITY ERROR (dB)
4.0
3.0
2.0
1.0
0.0
-1.0
-2.0
-3.0
-4.0
-65
-60
-55
-50
-45
-40
-35
-30
-25
-20
-15
-10
-5
0
INPUT POWER (dBm)
6000 MHz
7000 MHz
8000 MHz
9000 MHz
10000 MHz
11000 MHz
12000 MHz
13000 MHz
14000 MHz
15000 MHz
16000 MHz
17000 MHz
18000 MHz

PL40935

Recovery



PL40935.
RiseTime



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settle