



**SUMMARY TEST DATA
ON
ERDLVA-218-CW-75MV-93**

PL46224/2422

Customer: _____	Tested By: <u>Jim Hopson</u>
SO No: _____	Temperature: <u>-25°C +25C +85C</u>
Model No: <u>ERDLVA-218-CW-75MV-93</u>	Date: <u>5/28/2024</u>
Serial No: <u>PL46224/2422</u>	Drawing No: <u>2764240</u> Rev: <u>A1</u>

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	2 to 18 GHz	2 to 18 GHz	PMI QA3
2	VSWR:	2.5:1 MAX @ -20 dBm	1.70:1 MAX	
3	Input Power:	23 dBm Max.	Pass	
4	VIDEO OUT TSS:	-42 dBm MAX	-43dBm	
5	VIDEO OUT Dynamic Range:	-40 to +20 dBm	-40 to +20 dBm	
6	VIDEO OUT Log Slope Fixed:	75 ± 10mV/dB	73.2-7.9mV/dB	
7	VIDEO OUT Log Linearity:	±1.0 dB MAX @25C ±1.5 dB MAX @ Over Temperature	See attached Graphs	
8	VIDEO OUT DC Offset:	0 to 125 mV @25C	42mV	
9	VIDEO OUT Rise Time (10% to 90%):	25 ns MAX	15.0ns	
10	VIDEO OUT Settling Time:	±0.5dB within 25ns from 90%	<0.5dB	

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PL46224/2422

11	VIDEO OUT Recovery	500ns MAX	400ns	PMI QA3
12	Video Frequency Flatness:	3.0 dB p-p MAX @ -20dBm	1.60dB p-p MAX @ -20dBm	
13	VIDEO OUT CW Immunity:	CW Immune Power -50 to -10 dBm	Pass	
		CW Attack Time 1500us	1200us	
		CW Release Time 250us	<100us	
17	Pulse droop	1dB Max for 250us pulses	<1dB	
18	VIDEO OUT Pulse Response, input Signal:	100 ns to 300 us	100 ns to 300 us	
19	VIDEO LOAD Impedance:	93 ±1 Ω	93Ω	
21	VIDEO OUT Noise Level (RMS):	102 mV max	31.0mV	
22	VIDEO OUT Propagation Delay:	35 ns MAX from RF 10% to 10% video (excluding cable)	<35ns	
23	Power Supply	+12 V @ 250 mA MAX -12 V @ 250 mA MAX	+12 V @ 170 mA -12 V @ 70 mA	H. M 5-30-24

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LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-218-CW-75MV-93
 TESTED BY: Jim Hopson
 DATE: 5-29-24
 SERIAL NO.: PL46224
 Test Temp: +85C

Frequency

-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20
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2 GHz	INTERCEPT (mV)	3327
	SLOPE (mV/DB)	72.8

356	774	1148	1521	1892	2250	2624	2973	3341	3706	4070	4378	4750
-59	-5	5	14	21	15	25	10	14	15	15	-41	-33
-0.81	-0.06	0.07	0.20	0.29	0.21	0.35	0.14	0.20	0.21	0.21	-0.56	-0.45

Measured Value (mV)
Error (mV)
LINEARITY ERROR (DB)

4.67 GHz	INTERCEPT (mV)	3331
	SLOPE (mV/DB)	76.1

262	680	1050	1429	1815	2177	2599	2966	3339	3701	4088	4450	4854
-26	11	1	0	6	-13	29	16	8	-10	-3	-21	2
-0.35	0.15	0.01	0.00	0.07	-0.17	0.38	0.21	0.11	-0.13	-0.04	-0.28	0.03

Measured Value (mV)
Error (mV)
LINEARITY ERROR (DB)

7.33 GHz	INTERCEPT (mV)	3329
	SLOPE (mV/DB)	75.0

297	719	1089	1462	1838	2189	2592	2958	3330	3691	4081	4443	4839
-31	16	11	8	9	-15	13	4	1	-14	1	-12	9
-0.41	0.21	0.14	0.11	0.12	-0.20	0.17	0.05	0.01	-0.18	0.02	-0.16	0.12

Measured Value (mV)
Error (mV)
LINEARITY ERROR (DB)

10 GHz	INTERCEPT (mV)	3318
	SLOPE (mV/DB)	78.4

181	567	955	1339	1735	2119	2590	2975	3352	3715	4098	4455	4861
-2	-8	-12	-20	-15	-23	56	49	34	6	-3	-38	-24
-0.03	-0.10	-0.15	-0.25	-0.20	-0.30	0.71	0.63	0.44	0.07	-0.04	-0.49	-0.30

Measured Value (mV)
Error (mV)
LINEARITY ERROR (DB)

12.67 GHz	INTERCEPT (mV)	3302
	SLOPE (mV/DB)	76.5

220	629	1006	1383	1775	2137	2571	2949	3321	3678	4065	4422	4825
-22	5	-1	-6	3	-17	34	29	19	-7	-2	-28	-7
-0.29	0.06	-0.01	-0.08	0.04	-0.23	0.44	0.39	0.25	-0.09	-0.03	-0.36	-0.09

Measured Value (mV)
Error (mV)
LINEARITY ERROR (DB)

15.33 GHz	INTERCEPT (mV)	3286
	SLOPE (mV/DB)	77.0

190	589	975	1354	1744	2106	2561	2940	3309	3664	4052	4407	4815
-17	-3	-1	-7	-2	-25	45	39	23	-6	-3	-33	-10
-0.22	-0.03	-0.02	-0.09	-0.03	-0.32	0.59	0.51	0.30	-0.08	-0.04	-0.43	-0.13

Measured Value (mV)
Error (mV)
LINEARITY ERROR (DB)

18 GHz	INTERCEPT (mV)	3171
	SLOPE (mV/DB)	74.9

160	543	924	1304	1680	2028	2437	2829	3178	3536	3927	4281	4654
-15	-6	0	6	7	-19	15	33	7	-9	7	-13	-15
-0.20	-0.08	0.01	0.08	0.10	-0.26	0.21	0.44	0.10	-0.12	0.10	-0.18	-0.20

Measured Value (mV)
Error (mV)
LINEARITY ERROR (DB)

Flatness P-P

Slope Avg(mv/DB)	75.8
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LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-218-CW-75MV-93
 TESTED BY: Jim Hopson
 DATE: 5-29-24
 SERIAL NO: PL46224
 Test Temp: +25C

Frequency

-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20
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2 GHz	INTERCEPT (mV)	3407
	SLOPE (mV/DB)	73.2
	INTERCEPT (mV)	440
	SLOPE (mV/DB)	-40
	INTERCEPT (mV)	829
	SLOPE (mV/DB)	-16
	INTERCEPT (mV)	1209
	SLOPE (mV/DB)	-2
	INTERCEPT (mV)	1584
	SLOPE (mV/DB)	7
	INTERCEPT (mV)	1952
	SLOPE (mV/DB)	9
	INTERCEPT (mV)	2323
	SLOPE (mV/DB)	14
	INTERCEPT (mV)	2709
	SLOPE (mV/DB)	34
	INTERCEPT (mV)	3054
	SLOPE (mV/DB)	13
	INTERCEPT (mV)	3429
	SLOPE (mV/DB)	22
	INTERCEPT (mV)	3801
	SLOPE (mV/DB)	28
	INTERCEPT (mV)	4159
	SLOPE (mV/DB)	-37
	INTERCEPT (mV)	4467
	SLOPE (mV/DB)	-52
	INTERCEPT (mV)	4818
	SLOPE (mV/DB)	-40
	INTERCEPT (mV)	529
	SLOPE (mV/DB)	-16
	INTERCEPT (mV)	1029
	SLOPE (mV/DB)	-2
	INTERCEPT (mV)	1584
	SLOPE (mV/DB)	7
	INTERCEPT (mV)	2139
	SLOPE (mV/DB)	9
	INTERCEPT (mV)	2709
	SLOPE (mV/DB)	14
	INTERCEPT (mV)	3274
	SLOPE (mV/DB)	34
	INTERCEPT (mV)	3801
	SLOPE (mV/DB)	47
	INTERCEPT (mV)	4326
	SLOPE (mV/DB)	0.18
	INTERCEPT (mV)	4818
	SLOPE (mV/DB)	0.30
	INTERCEPT (mV)	529
	SLOPE (mV/DB)	0.39
	INTERCEPT (mV)	573
	SLOPE (mV/DB)	0.51
	INTERCEPT (mV)	617
	SLOPE (mV/DB)	0.72

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

4.67 GHz	INTERCEPT (mV)	3424
	SLOPE (mV/DB)	76.1
	INTERCEPT (mV)	371
	SLOPE (mV/DB)	-7
	INTERCEPT (mV)	768
	SLOPE (mV/DB)	9
	INTERCEPT (mV)	1134
	SLOPE (mV/DB)	-6
	INTERCEPT (mV)	1513
	SLOPE (mV/DB)	-8
	INTERCEPT (mV)	1893
	SLOPE (mV/DB)	-8
	INTERCEPT (mV)	2271
	SLOPE (mV/DB)	-11
	INTERCEPT (mV)	2689
	SLOPE (mV/DB)	26
	INTERCEPT (mV)	3055
	SLOPE (mV/DB)	11
	INTERCEPT (mV)	3438
	SLOPE (mV/DB)	14
	INTERCEPT (mV)	3808
	SLOPE (mV/DB)	3
	INTERCEPT (mV)	4190
	SLOPE (mV/DB)	4
	INTERCEPT (mV)	4550
	SLOPE (mV/DB)	-17
	INTERCEPT (mV)	4938
	SLOPE (mV/DB)	-9
	INTERCEPT (mV)	537
	SLOPE (mV/DB)	9
	INTERCEPT (mV)	974
	SLOPE (mV/DB)	-6
	INTERCEPT (mV)	1461
	SLOPE (mV/DB)	-8
	INTERCEPT (mV)	2016
	SLOPE (mV/DB)	-10
	INTERCEPT (mV)	2571
	SLOPE (mV/DB)	-11
	INTERCEPT (mV)	3126
	SLOPE (mV/DB)	0.34
	INTERCEPT (mV)	3681
	SLOPE (mV/DB)	0.15
	INTERCEPT (mV)	4236
	SLOPE (mV/DB)	0.18
	INTERCEPT (mV)	4791
	SLOPE (mV/DB)	0.04
	INTERCEPT (mV)	5346
	SLOPE (mV/DB)	0.05
	INTERCEPT (mV)	5901
	SLOPE (mV/DB)	-0.22
	INTERCEPT (mV)	6456
	SLOPE (mV/DB)	-0.12

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

7.33 GHz	INTERCEPT (mV)	3434
	SLOPE (mV/DB)	75.0
	INTERCEPT (mV)	426
	SLOPE (mV/DB)	8
	INTERCEPT (mV)	817
	SLOPE (mV/DB)	8
	INTERCEPT (mV)	1192
	SLOPE (mV/DB)	6
	INTERCEPT (mV)	1565
	SLOPE (mV/DB)	-4
	INTERCEPT (mV)	1930
	SLOPE (mV/DB)	-4
	INTERCEPT (mV)	2292
	SLOPE (mV/DB)	-17
	INTERCEPT (mV)	2689
	SLOPE (mV/DB)	5
	INTERCEPT (mV)	3053
	SLOPE (mV/DB)	-6
	INTERCEPT (mV)	3439
	SLOPE (mV/DB)	5
	INTERCEPT (mV)	3809
	SLOPE (mV/DB)	0
	INTERCEPT (mV)	4194
	SLOPE (mV/DB)	10
	INTERCEPT (mV)	4554
	SLOPE (mV/DB)	-5
	INTERCEPT (mV)	4934
	SLOPE (mV/DB)	0
	INTERCEPT (mV)	537
	SLOPE (mV/DB)	0.11
	INTERCEPT (mV)	974
	SLOPE (mV/DB)	0.08
	INTERCEPT (mV)	1461
	SLOPE (mV/DB)	0.06
	INTERCEPT (mV)	2016
	SLOPE (mV/DB)	-0.23
	INTERCEPT (mV)	2571
	SLOPE (mV/DB)	0.06
	INTERCEPT (mV)	3126
	SLOPE (mV/DB)	-0.08
	INTERCEPT (mV)	3681
	SLOPE (mV/DB)	0.06
	INTERCEPT (mV)	4236
	SLOPE (mV/DB)	0.06
	INTERCEPT (mV)	4791
	SLOPE (mV/DB)	0.13
	INTERCEPT (mV)	5346
	SLOPE (mV/DB)	0.13
	INTERCEPT (mV)	5901
	SLOPE (mV/DB)	0.00

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

10 GHz	INTERCEPT (mV)	3446
	SLOPE (mV/DB)	77.9
	INTERCEPT (mV)	332
	SLOPE (mV/DB)	7
	INTERCEPT (mV)	727
	SLOPE (mV/DB)	-17
	INTERCEPT (mV)	1092
	SLOPE (mV/DB)	-27
	INTERCEPT (mV)	1472
	SLOPE (mV/DB)	-20
	INTERCEPT (mV)	1868
	SLOPE (mV/DB)	-17
	INTERCEPT (mV)	2260
	SLOPE (mV/DB)	50
	INTERCEPT (mV)	2717
	SLOPE (mV/DB)	29
	INTERCEPT (mV)	3085
	SLOPE (mV/DB)	30
	INTERCEPT (mV)	3476
	SLOPE (mV/DB)	17
	INTERCEPT (mV)	3852
	SLOPE (mV/DB)	3
	INTERCEPT (mV)	4227
	SLOPE (mV/DB)	3
	INTERCEPT (mV)	4583
	SLOPE (mV/DB)	-31
	INTERCEPT (mV)	4977
	SLOPE (mV/DB)	-26
	INTERCEPT (mV)	537
	SLOPE (mV/DB)	0.02
	INTERCEPT (mV)	974
	SLOPE (mV/DB)	-0.22
	INTERCEPT (mV)	1461
	SLOPE (mV/DB)	0.64
	INTERCEPT (mV)	2016
	SLOPE (mV/DB)	0.37
	INTERCEPT (mV)	2571
	SLOPE (mV/DB)	0.39
	INTERCEPT (mV)	3126
	SLOPE (mV/DB)	0.22
	INTERCEPT (mV)	3681
	SLOPE (mV/DB)	0.03
	INTERCEPT (mV)	4236
	SLOPE (mV/DB)	0.03
	INTERCEPT (mV)	4791
	SLOPE (mV/DB)	-0.40
	INTERCEPT (mV)	5346
	SLOPE (mV/DB)	-0.34

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

12.67 GHz	INTERCEPT (mV)	3412
	SLOPE (mV/DB)	76.2
	INTERCEPT (mV)	359
	SLOPE (mV/DB)	-5
	INTERCEPT (mV)	755
	SLOPE (mV/DB)	10
	INTERCEPT (mV)	1118
	SLOPE (mV/DB)	-8
	INTERCEPT (mV)	1494
	SLOPE (mV/DB)	-13
	INTERCEPT (mV)	1881
	SLOPE (mV/DB)	-7
	INTERCEPT (mV)	2253
	SLOPE (mV/DB)	-16
	INTERCEPT (mV)	2675
	SLOPE (mV/DB)	25
	INTERCEPT (mV)	3047
	SLOPE (mV/DB)	16
	INTERCEPT (mV)	3433
	SLOPE (mV/DB)	21
	INTERCEPT (mV)	3799
	SLOPE (mV/DB)	6
	INTERCEPT (mV)	4181
	SLOPE (mV/DB)	6
	INTERCEPT (mV)	4537
	SLOPE (mV/DB)	-19
	INTERCEPT (mV)	4922
	SLOPE (mV/DB)	-15
	INTERCEPT (mV)	537
	SLOPE (mV/DB)	0.06
	INTERCEPT (mV)	974
	SLOPE (mV/DB)	-0.11
	INTERCEPT (mV)	1461
	SLOPE (mV/DB)	-0.17
	INTERCEPT (mV)	2016
	SLOPE (mV/DB)	-0.09
	INTERCEPT (mV)	2571
	SLOPE (mV/DB)	0.32
	INTERCEPT (mV)	3126
	SLOPE (mV/DB)	0.21
	INTERCEPT (mV)	3681
	SLOPE (mV/DB)	0.27
	INTERCEPT (mV)	4236
	SLOPE (mV/DB)	0.07
	INTERCEPT (mV)	4791
	SLOPE (mV/DB)	0.08
	INTERCEPT (mV)	5346
	SLOPE (mV/DB)	-0.24
	INTERCEPT (mV)	5901
	SLOPE (mV/DB)	-0.19

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

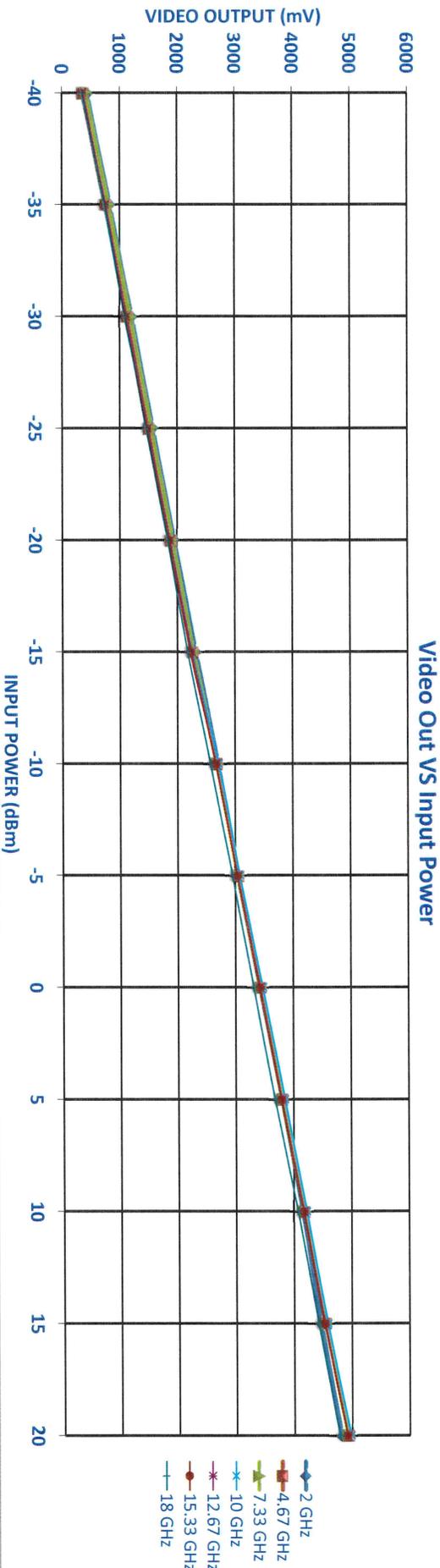
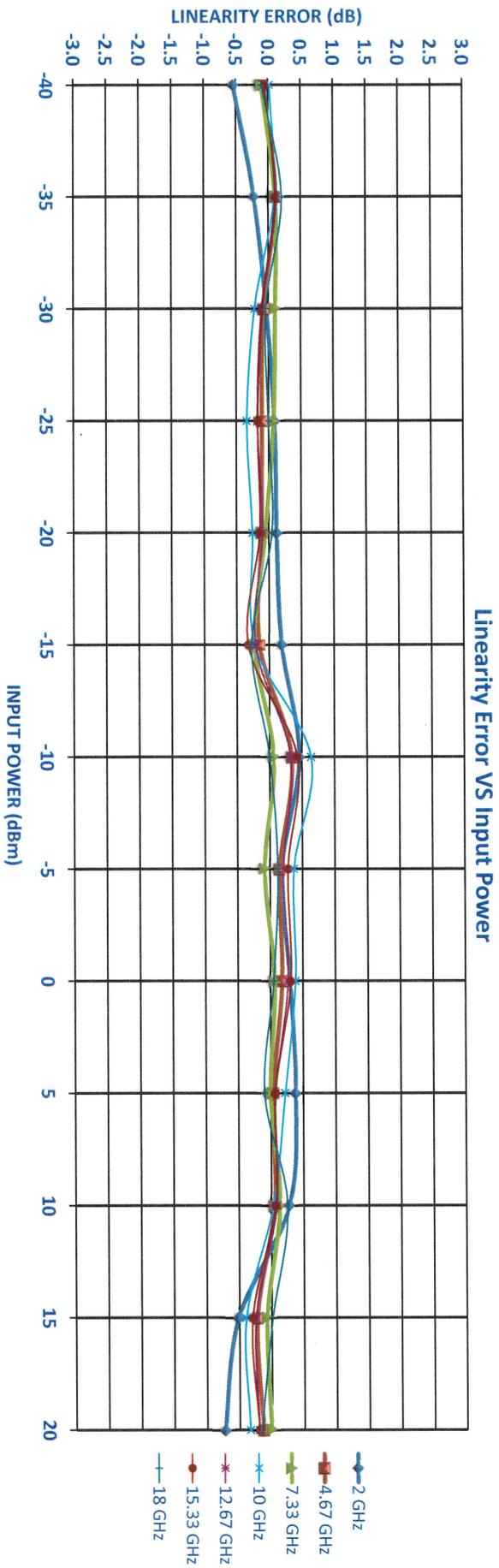
15.33 GHz	INTERCEPT (mV)	3405
	SLOPE (mV/DB)	76.6
	INTERCEPT (mV)	337
	SLOPE (mV/DB)	732
	INTERCEPT (mV)	1100
	SLOPE (mV/DB)	-7
	INTERCEPT (mV)	1477
	SLOPE (mV/DB)	-13
	INTERCEPT (mV)	1862
	SLOPE (mV/DB)	-11
	INTERCEPT (mV)	2231
	SLOPE (mV/DB)	-25
	INTERCEPT (mV)	2672
	SLOPE (mV/DB)	33
	INTERCEPT (mV)	3043
	SLOPE (mV/DB)	21
	INTERCEPT (mV)	3429
	SLOPE (mV/DB)	24
	INTERCEPT (mV)	3793
	SLOPE (mV/DB)	5
	INTERCEPT (mV)	4176
	SLOPE (mV/DB)	5
	INTERCEPT (mV)	4531
	SLOPE (mV/DB)	-23
	INTERCEPT (mV)	4922
	SLOPE (mV/DB)	-15
	INTERCEPT (mV)	537
	SLOPE (mV/DB)	-0.05
	INTERCEPT (mV)	974
	SLOPE (mV/DB)	-0.09
	INTERCEPT (mV)	1461
	SLOPE (mV/DB)	-0.17
	INTERCEPT (mV)	2016
	SLOPE (mV/DB)	-0.14
	INTERCEPT (mV)	2571
	SLOPE (mV/DB)	0.43
	INTERCEPT (mV)	3126
	SLOPE (mV/DB)	0.28
	INTERCEPT (mV)	3681
	SLOPE (mV/DB)	0.32
	INTERCEPT (mV)	4236
	SLOPE (mV/DB)	0.07
	INTERCEPT (mV)	4791
	SLOPE (mV/DB)	0.07
	INTERCEPT (mV)	5346
	SLOPE (mV/DB)	-0.30
	INTERCEPT (mV)	5901
	SLOPE (mV/DB)	-0.19

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

18 GHz	INTERCEPT (mV)	3313
	SLOPE (mV/DB)	74.0
	INTERCEPT (mV)	344
	SLOPE (mV/DB)	737
	INTERCEPT (mV)	1089
	SLOPE (mV/DB)	-3
	INTERCEPT (mV)	1462
	SLOPE (mV/DB)	0
	INTERCEPT (mV)	1836
	SLOPE (mV/DB)	4
	INTERCEPT (mV)	2182
	SLOPE (mV/DB)	-21
	INTERCEPT (mV)	2573
	SLOPE (mV/DB)	0
	INTERCEPT (mV)	2952
	SLOPE (mV/DB)	9
	INTERCEPT (mV)	3317
	SLOPE (mV/DB)	4
	INTERCEPT (mV)	3676
	SLOPE (mV/DB)	-7
	INTERCEPT (mV)	4072
	SLOPE (mV/DB)	18
	INTERCEPT (mV)	4425
	SLOPE (mV/DB)	1
	INTERCEPT (mV)	4782
	SLOPE (mV/DB)	-12
	INTERCEPT (mV)	537
	SLOPE (mV/DB)	-0.10
	INTERCEPT (mV)	974
	SLOPE (mV/DB)	-0.04
	INTERCEPT (mV)	1461
	SLOPE (mV/DB)	0.00
	INTERCEPT (mV)	2016
	SLOPE (mV/DB)	0.05
	INTERCEPT (mV)	2571
	SLOPE (mV/DB)	-0.28
	INTERCEPT (mV)	3126
	SLOPE (mV/DB)	0.00
	INTERCEPT (mV)	3681
	SLOPE (mV/DB)	0.12
	INTERCEPT (mV)	4236
	SLOPE (mV/DB)	0.05
	INTERCEPT (mV)	4791
	SLOPE (mV/DB)	-0.10
	INTERCEPT (mV)	5346
	SLOPE (mV/DB)	0.25
	INTERCEPT (mV)	5901
	SLOPE (mV/DB)	0.02
	INTERCEPT (mV)	6456
	SLOPE (mV/DB)	-0.16

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

Flatness P-P	
Slope Avg(mv/DB)	75.6
1.4	1.4
1.4	1.6
1.6	1.6
1.6	1.6
1.6	1.8
1.8	1.8
1.8	2.0
2.0	2.0
2.0	2.2
2.2	2.2
2.2	2.4
2.4	2.4
2.4	2.6
2.6	2.6





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LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-218-CW-75MV-93
 TESTED BY: Jim Hopson
 DATE: 5-29-24
 SERIAL NO: PL46224
 Test Temp: -25C

Frequency

-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20
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RF Input Power (dBm)

2 GHz	INTERCEPT (mV)	3474
	SLOPE (mV/dB)	73.8

487	867	1253	1633	1999	2377	2774	3124	3505	3885	4241	4546	4875
-34	-23	-6	5	2	10	38	19	31	42	28	-36	-76
-0.46	-0.31	-0.08	0.06	0.02	0.14	0.52	0.26	0.42	0.56	0.39	-0.48	-1.03

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

4.67 GHz	INTERCEPT (mV)	3497
	SLOPE (mV/dB)	76.6

426	819	1192	1574	1949	2337	2755	3128	3518	3898	4275	4629	5000
-6	4	-6	-7	-16	-11	24	14	21	18	12	-17	-29
-0.08	0.05	-0.08	-0.10	-0.20	-0.14	0.32	0.18	0.27	0.23	0.15	-0.23	-0.38

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

7.33 GHz	INTERCEPT (mV)	3510
	SLOPE (mV/dB)	75.4

493	869	1256	1634	1990	2358	2757	3128	3521	3902	4281	4635	5000
-1	-2	8	9	-12	-21	1	-5	11	15	17	-6	-17
-0.01	-0.02	0.11	0.12	-0.16	-0.27	0.02	-0.06	0.15	0.20	0.23	-0.07	-0.23

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

10 GHz	INTERCEPT (mV)	3533
	SLOPE (mV/dB)	78.0

414	803	1176	1558	1948	2353	2799	3170	3565	3955	4322	4670	5055
2	1	-16	-24	-25	-10	46	27	32	32	8	-34	-39
0.03	0.01	-0.21	-0.31	-0.32	-0.13	0.59	0.35	0.41	0.41	0.11	-0.43	-0.50

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

12.67 GHz	INTERCEPT (mV)	3484
	SLOPE (mV/dB)	76.3

425	815	1190	1566	1945	2327	2740	3115	3510	3884	4262	4612	4979
-6	3	-4	-10	-12	-12	19	13	26	18	14	-17	-32
-0.07	0.04	-0.05	-0.13	-0.16	-0.16	0.25	0.16	0.34	0.24	0.19	-0.23	-0.42

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

15.33 GHz	INTERCEPT (mV)	3480
	SLOPE (mV/dB)	76.7

408	801	1178	1551	1930	2309	2738	3113	3508	3881	4259	4609	4986
-5	5	-1	-12	-16	-21	25	16	28	18	12	-21	-28
-0.06	0.06	-0.02	-0.16	-0.21	-0.27	0.32	0.21	0.37	0.23	0.16	-0.28	-0.36

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

18 GHz	INTERCEPT (mV)	3406
	SLOPE (mV/dB)	73.9

441	828	1196	1568	1929	2278	2653	3036	3416	3775	4173	4524	4859
-9	8	7	9	1	-20	-14	-1	10	-1	28	9	-25
-0.13	0.11	0.09	0.12	0.01	-0.27	-0.19	-0.01	0.13	-0.01	0.37	0.12	-0.34

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

Flatness P-P

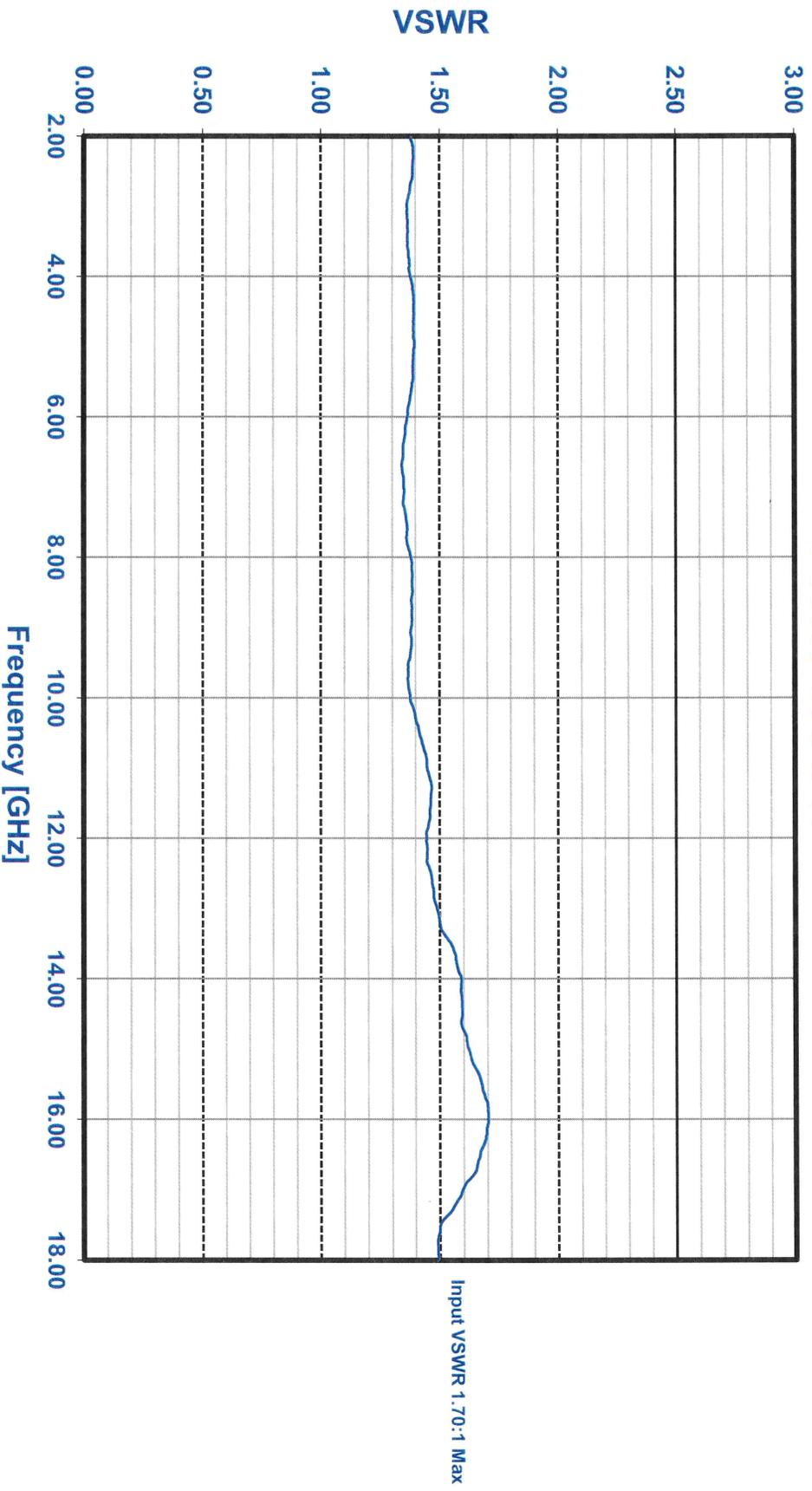
1.2	0.8	1.0	1.0	1.0	1.4	2.0	1.8	2.0	2.4	2.0	2.0	2.6
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Slope Avg(mv/dB) 75.8

Model Number: ERDLVA-2G18G-CW-75MW
Serial Number: PL46224
Date: 5/29/2024

Temperature: +25C

VSWR GRAPH

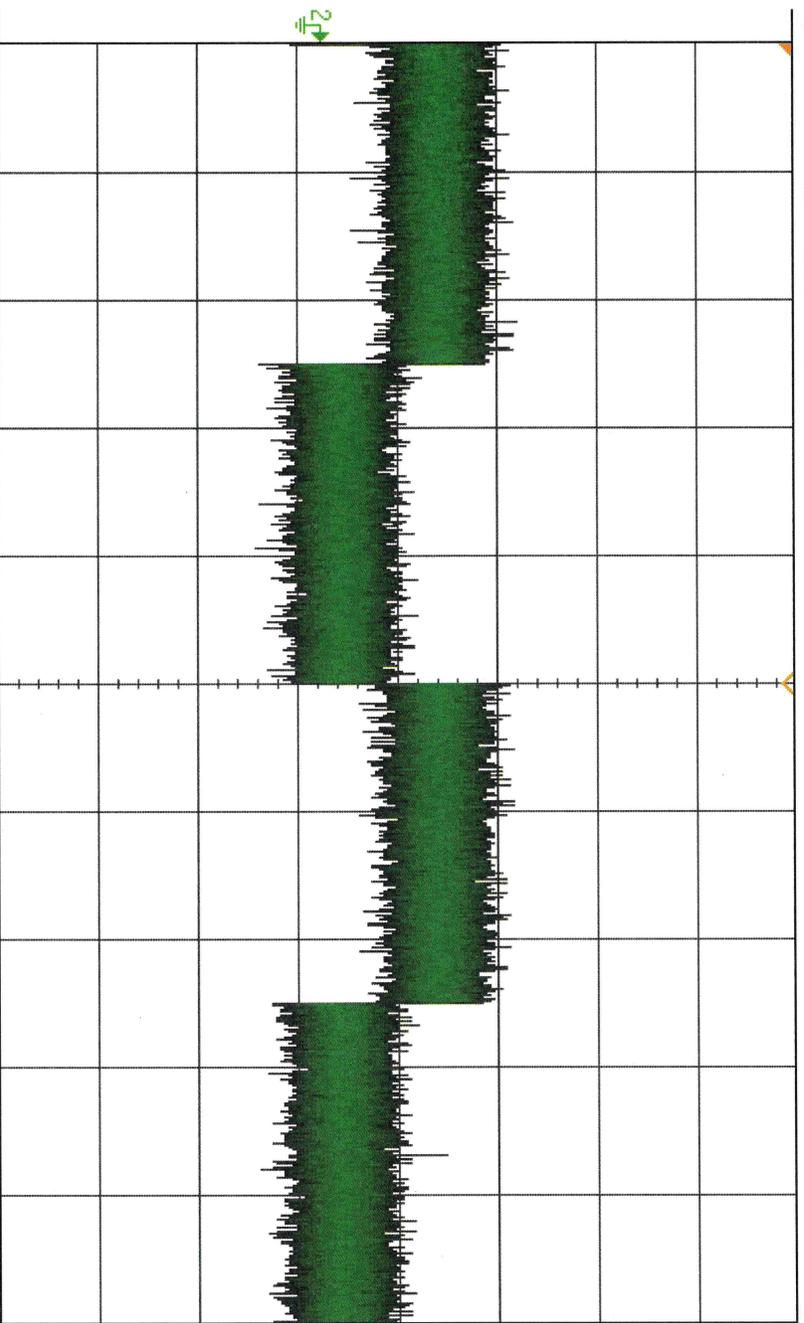


PL 46 224

TSS - 43 dbm

DSO-X 3034A, MW52394003, Wed May 29 11:32:36 2024

1 2 160V/ 3 4 2.000us 20.00V/ Auto



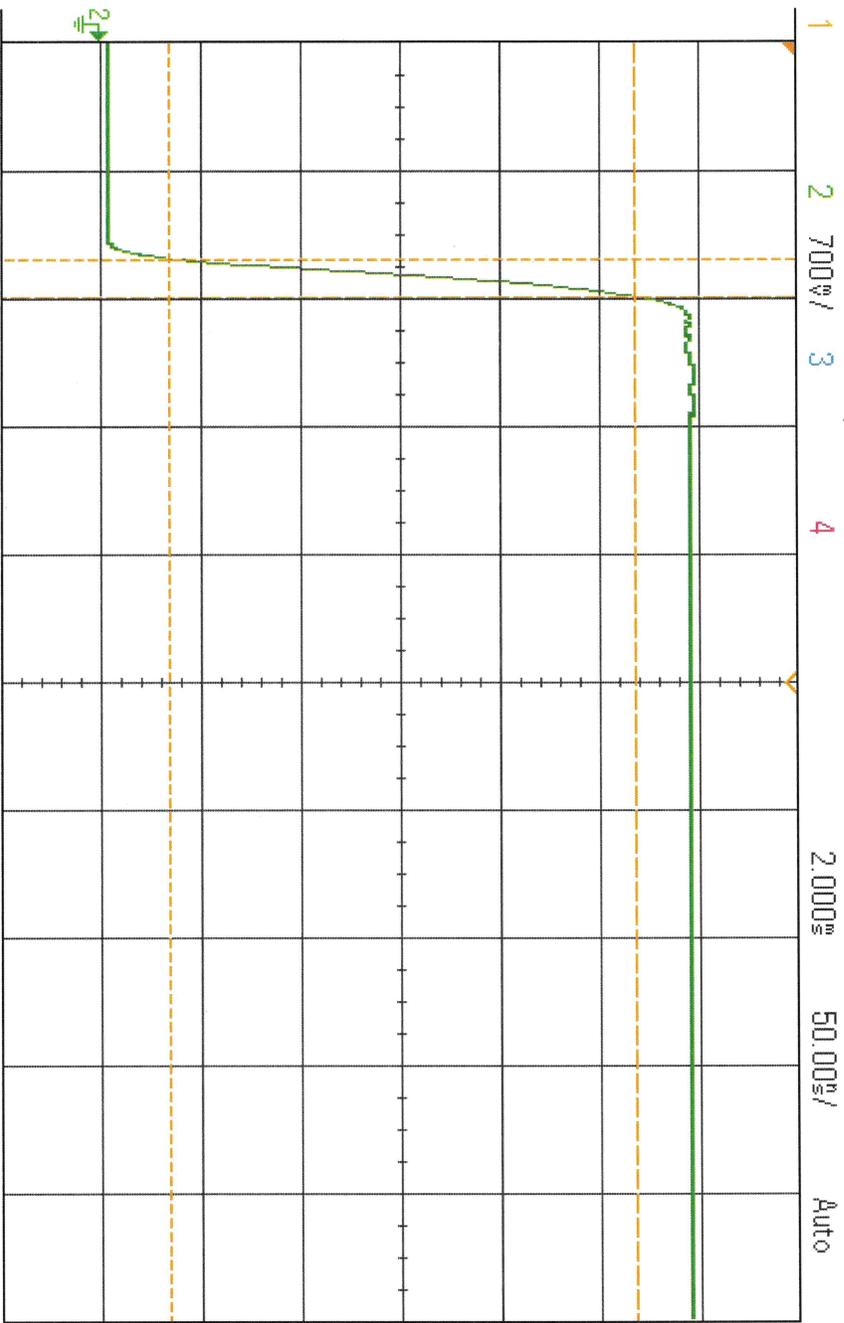
KEYSIGHT TECHNOLOGIES	Acquisition	Normal	4.00GSa/s
DC	1.00:1	DC	1.00:1
DC	1.00:1	DC	1.00:1
DC	1.00:1	DC	1.00:1

Cursors Menu
Mode Off

To turn on cursors, press the [Cursors] key on the front panel.

PL46224
settle / rise

DSO-X 3034A, MW52394003, Wed May 29 11:41:10 2024



Save to file = pl46224_settle_rise

Save

Recall

Default/Erase



Acquisition

Averaging: B4
4.006Sa/s

Channels

DC 1.00:1

DC 1.00:1

DC 1.00:1

DC 1.00:1

Measurements

Fall(2): No edges

AC RMS - FS(2): 1.5505V

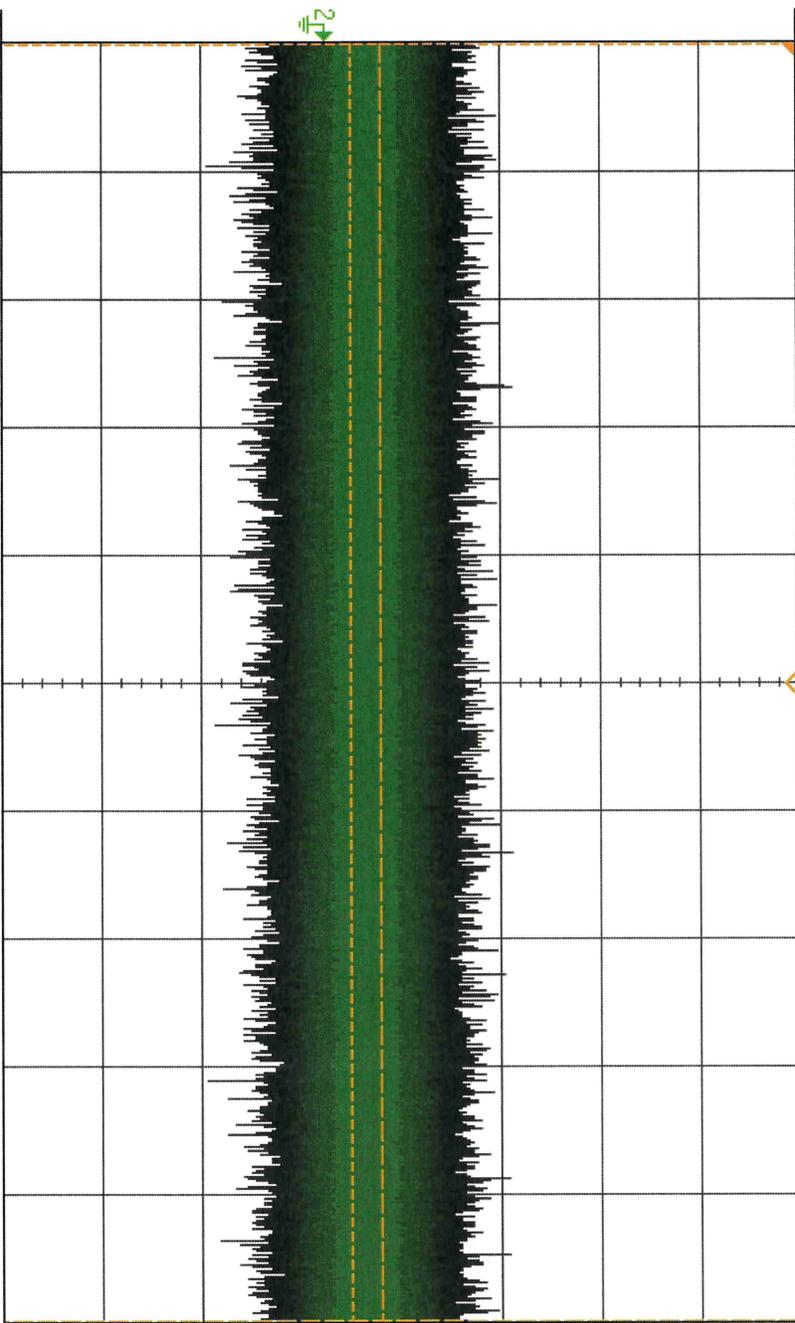
Rise(2): 15.0ns

Press to Save

PL46224
RMS 46152

DSO-X 3034A, MW52394003: Wed May 29 11:33:39 2024

1 2 100% / 3 4 2.000ms 200.0% / Auto f E 2.11V



Acquisition	Normal
Channels	1.006Sa/s
DC	1.00:1
DC	1.00:1
DC	1.00:1
Measurements	
Fall(3):	No signal
Fall(2):	<93ns
Rise(2):	90ns
AC RMS - FS(2):	30.99mV

Measurement Menu

Source 2

Type: AC RMS - FS

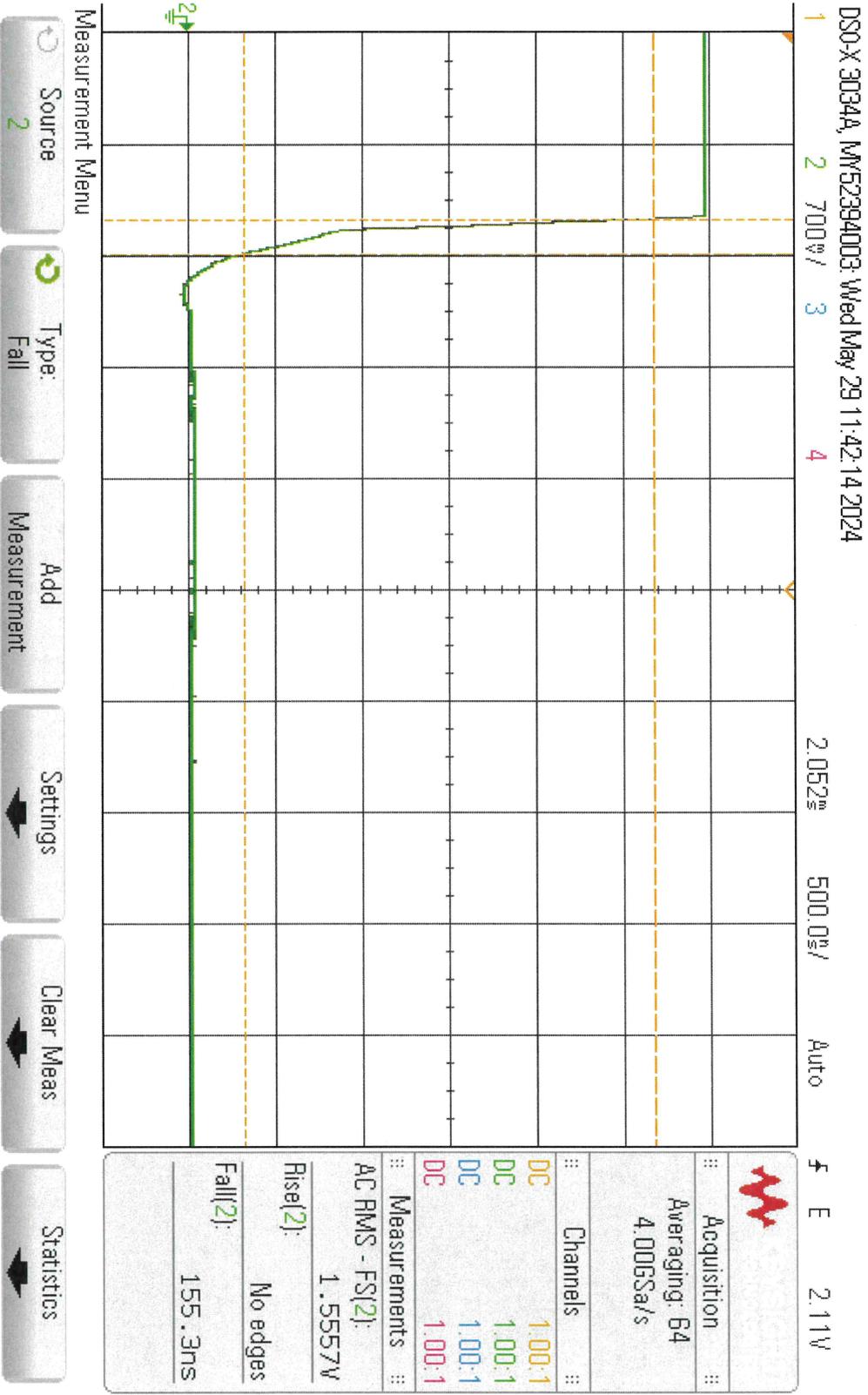
Add Measurement

Settings

Clear Meas

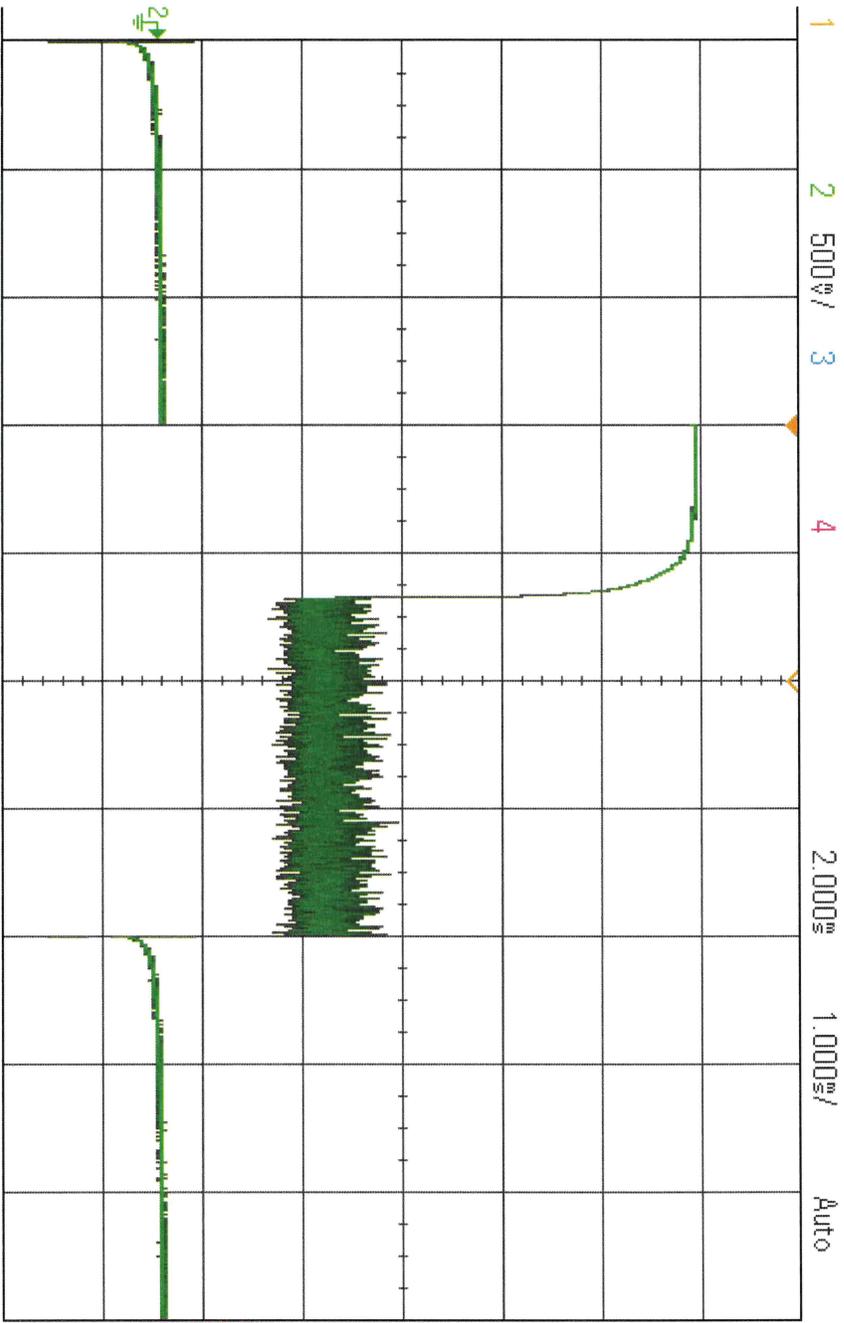
Statistics

PL46224
Recovery



PL46224
CW Immune

DSO-X 3034A, MW52394003: Wed May 29 11:31:08 2024



f E 2.12V

Acquisition	
Averaging:	2
50.0MSa/s	

Channels	
DC	1.00:1

Save to file = [pl46224_cw_immune1

Format
BMP (8-bit)

Save to
usb

File Name

Settings

Press to
Save