

**SUMMARY TEST DATA  
ON  
GMDA-S4080-60**

CUSTOMER: \_\_\_\_\_  
SO: \_\_\_\_\_  
MODEL NO: GMDA-S4080-60  
SERIAL NO: PL40221/2320

TESTED BY: M. Ayala  
TEMPERATURE: +25°C  
DATE: 5/15/2023  
DRAWING NO: 27645260  
REV: A1

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	FREQUENCY RANGE	4 GHz TO 8 GHz	4 GHz TO 8 GHz	PMI QA3
2	TSS	-60 dBm Min	-67 dBm	
3	INPUT POWER HANDLING	+23 dBm CW	PASS	
3	VIDEO LOG RANGE	-55 dBm to +5 dBm	PASS	
4	VIDEO LOG LINEARITY	±1.85 dB Over Temp	1.1 dBm	
5	VIDEO LOG SLOPE	25 ± 1mV / dB Nom	24.9 mV	
6	VIDEO FREQ FLATNESS	±2 dB Max	1.0 dB	
7	VIDEO RISE TIME	30ns Max	8.9 ns	
9	VIDEO FALL TIME	80ns Max	79.5 ns	
10	RECOVERY TIME	100ns Max	95 ns	
11	VIDEO OUTPUT LOAD IMPEDANCE	75 Ω	75Ω	
12	INPUT VSWR (50 Ω)	2.0:1 Max	1.56:1	
13	DC POWER	+11.4 to +15.75V, 460mA Max -11.4 to 15.75V, 150mA Max	+305mA /-50mA	

QA/QC Approval: *[Signature]*

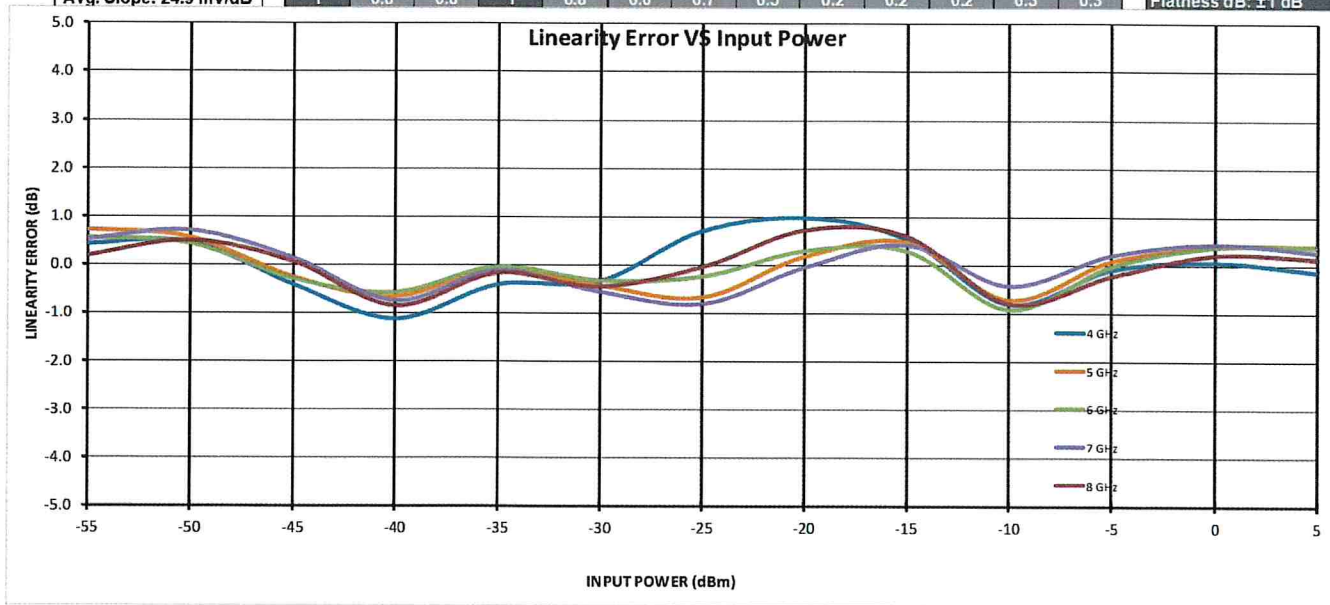
Date: 5-17-23



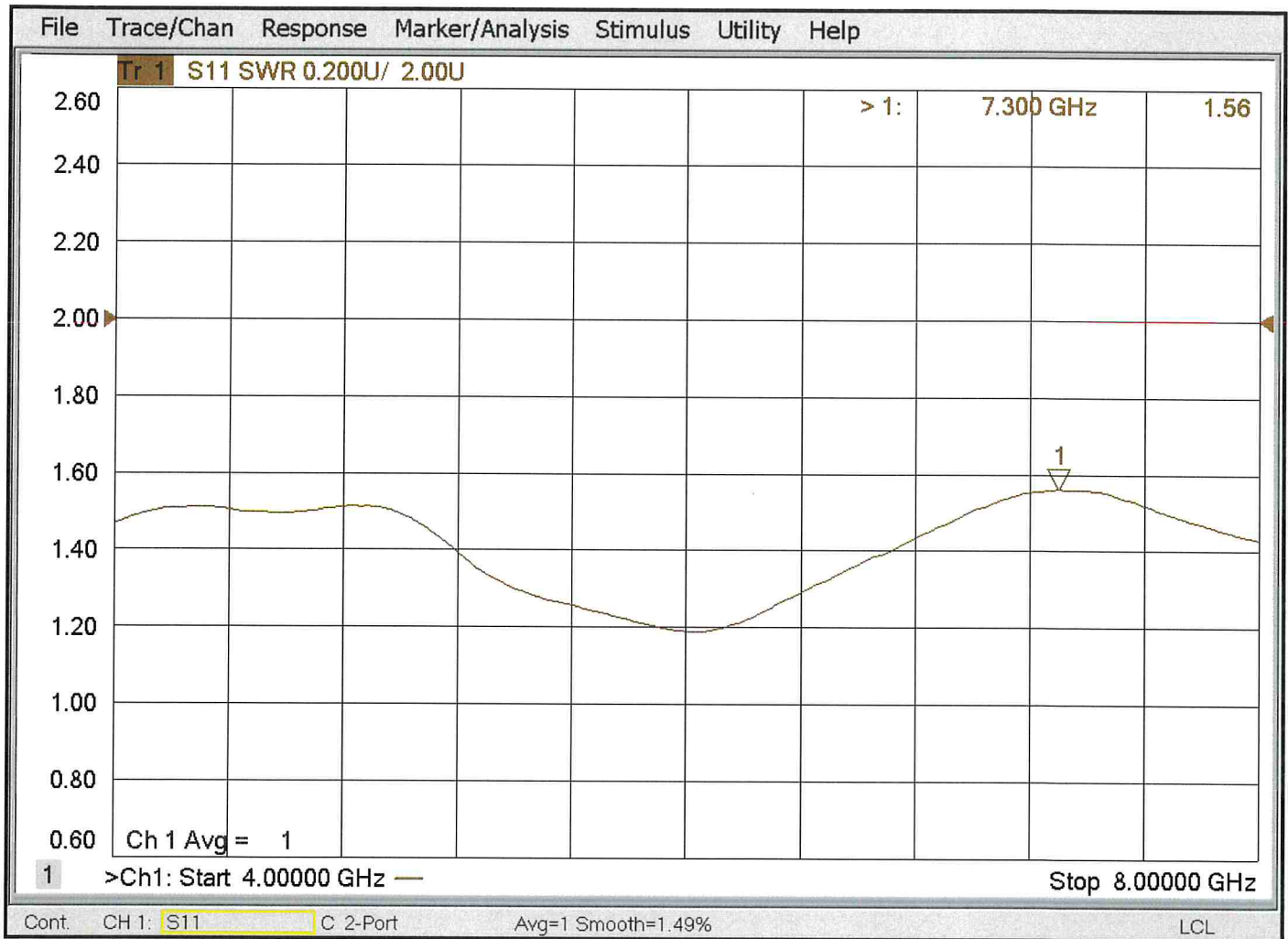
MODEL: GMDA-S4080-60  
SERIAL NO: PL40221  
DATE: 05-15-2023  
TESTED BY: M. Ayala  
TEST TEMP: +25°C

Frequency		-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
4 GHz	INTERCEPT (mV)	219	346	450	558	702	830	982	1115	1230	1322	1466	1596	1717	Measured Value (mV)
	SLOPE (mV/dB)	11	12	-10	-28	-10	-8	18	25	14	-20	-2	2	-3	Error (mV)
	LIN. ERR. (dB)	0.44	0.48	-0.40	-1.11	-0.40	-0.32	0.71	0.99	0.55	-0.80	-0.09	0.07	-0.13	LINEARITY ERROR (dB)
5 GHz	INTERCEPT (mV)	262	380	482	594	730	843	959	1101	1230	1323	1464	1593	1715	Measured Value (mV)
	SLOPE (mV/dB)	17	14	-6	-16	-2	-10	-16	4	11	-17	2	9	10	Error (mV)
	LIN. ERR. (dB)	0.71	0.56	-0.25	-0.65	-0.07	-0.42	-0.66	0.17	0.47	-0.71	0.08	0.38	0.39	LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV)	269	388	492	607	742	857	981	1116	1238	1330	1474	1606	1728	Measured Value (mV)
	SLOPE (mV/dB)	14	11	-7	-14	-1	-8	-6	7	7	-23	-1	10	10	Error (mV)
	LIN. ERR. (dB)	0.57	0.45	-0.29	-0.57	-0.04	-0.32	-0.24	0.30	0.30	-0.93	-0.02	0.39	0.39	LINEARITY ERROR (dB)
7 GHz	INTERCEPT (mV)	222	353	465	569	711	826	946	1091	1229	1334	1476	1608	1730	Measured Value (mV)
	SLOPE (mV/dB)	13	18	4	-19	-3	-14	-20	-1	11	-11	5	11	7	Error (mV)
	LIN. ERR. (dB)	0.51	0.70	0.14	-0.74	-0.11	-0.55	-0.80	-0.05	0.42	-0.42	0.20	0.44	0.27	LINEARITY ERROR (dB)
8 GHz	INTERCEPT (mV)	221	355	470	573	716	835	971	1116	1239	1330	1470	1607	1731	Measured Value (mV)
	SLOPE (mV/dB)	5	13	2	-21	-4	-11	-1	18	15	-20	-6	6	4	Error (mV)
	LIN. ERR. (dB)	0.19	0.51	0.07	-0.84	-0.16	-0.43	-0.03	0.72	0.61	-0.78	-0.22	0.22	0.14	LINEARITY ERROR (dB)

Avg. Slope: 24.9 mV/dB      Flatness dB: ±1 dB



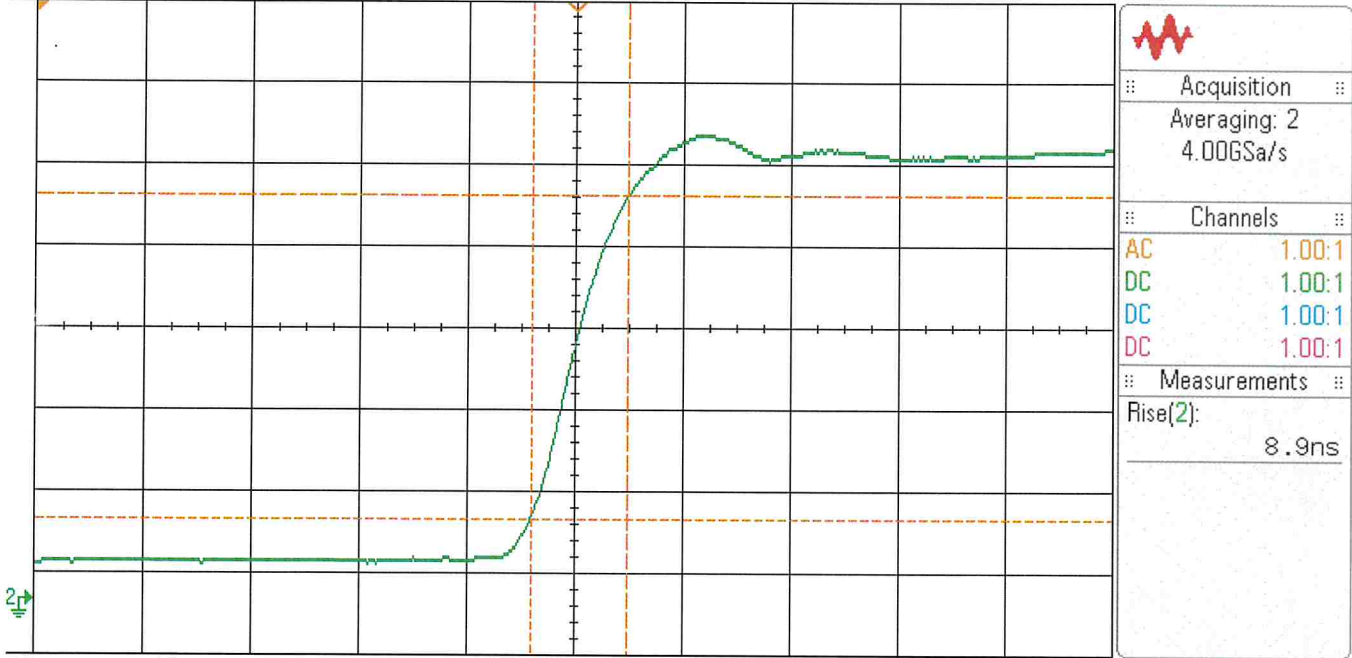
# VSWR



# Rise Time

DSO-X 3024A, MY54490369: Mon May 15 13:39:11 2023

1 2 200V/ 3 4 100.1% 10.00ns/ Auto f E 350V

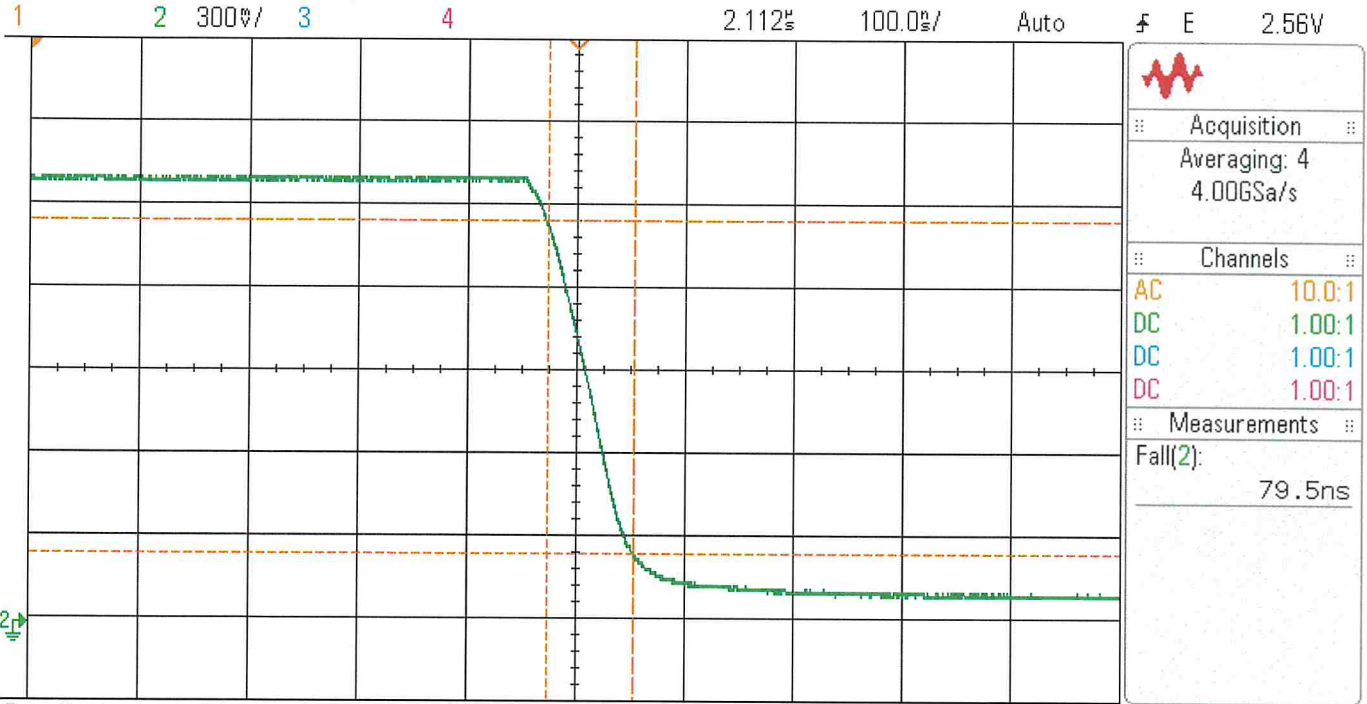


Measurement Menu

Source 2 Type: Rise Add Measurement Settings Clear Meas Statistics

# Fall Time

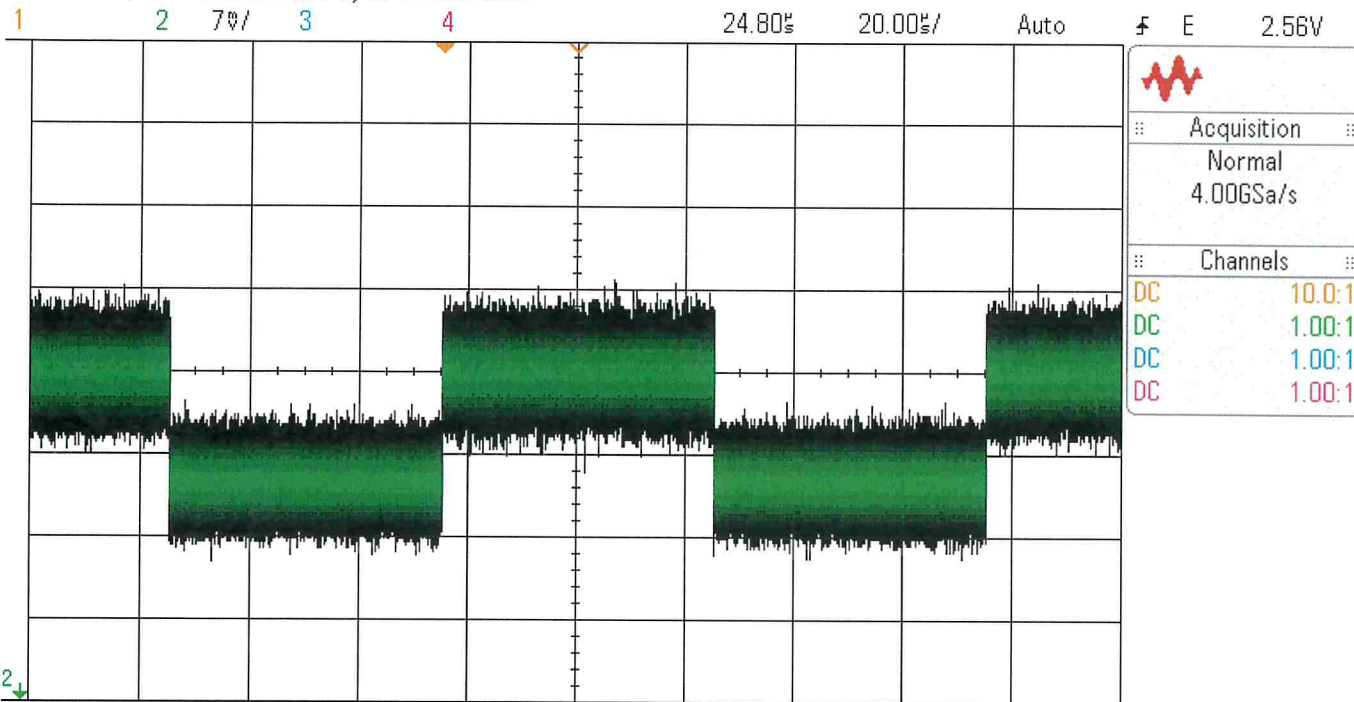
DSO-X 3024A, MY54490369: Mon May 15 16:25:18 2023



Print Configuration Menu

## TSS @ -67 dBm

DSO-X 3024A, MY54490369: Mon May 15 17:18:39 2023



Measurement Menu

Source 2 Type: Fall Add Measurement Settings Clear Meas Statistics