

# SUMMARY TEST DATA ON GMDA-S4080-60

CUSTOMER: R  
 SO: \_\_\_\_\_  
 MODEL NO: GMDA-S4080-60  
 SERIAL NO: PL40218/2317

TESTED BY: M. Ayala  
 TEMPERATURE: +25°C  
 DATE: 4/27/2023  
 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	-66 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	0.9 dBm	
5	VIDEO LOG SLOPE	25 ± 1mV / dB Nom	25 mV	
6	VIDEO FREQ FLATNESS	±2 dB Max	0.9 dB	
7	VIDEO RISE TIME	30ns Max	8.3 ns	
9	VIDEO FALL TIME	80ns Max	68.3 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	1.54:1	
13	DC POWER	+11.4 to +15.75V, 460mA Max -11.4 to 15.75V, 150mA Max	+310mA /-50mA	

QA/QC Approval: *K. [Signature]*

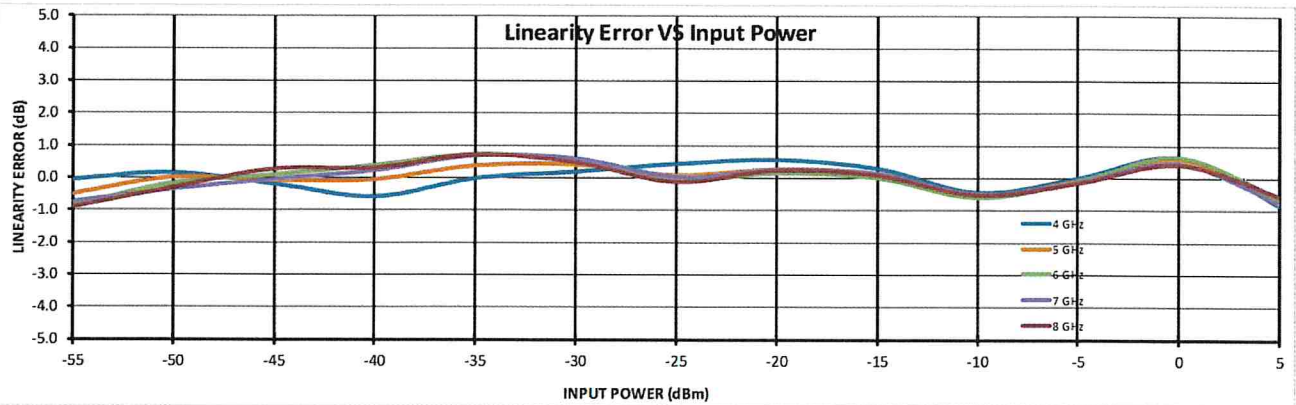
Date: 4-28-23



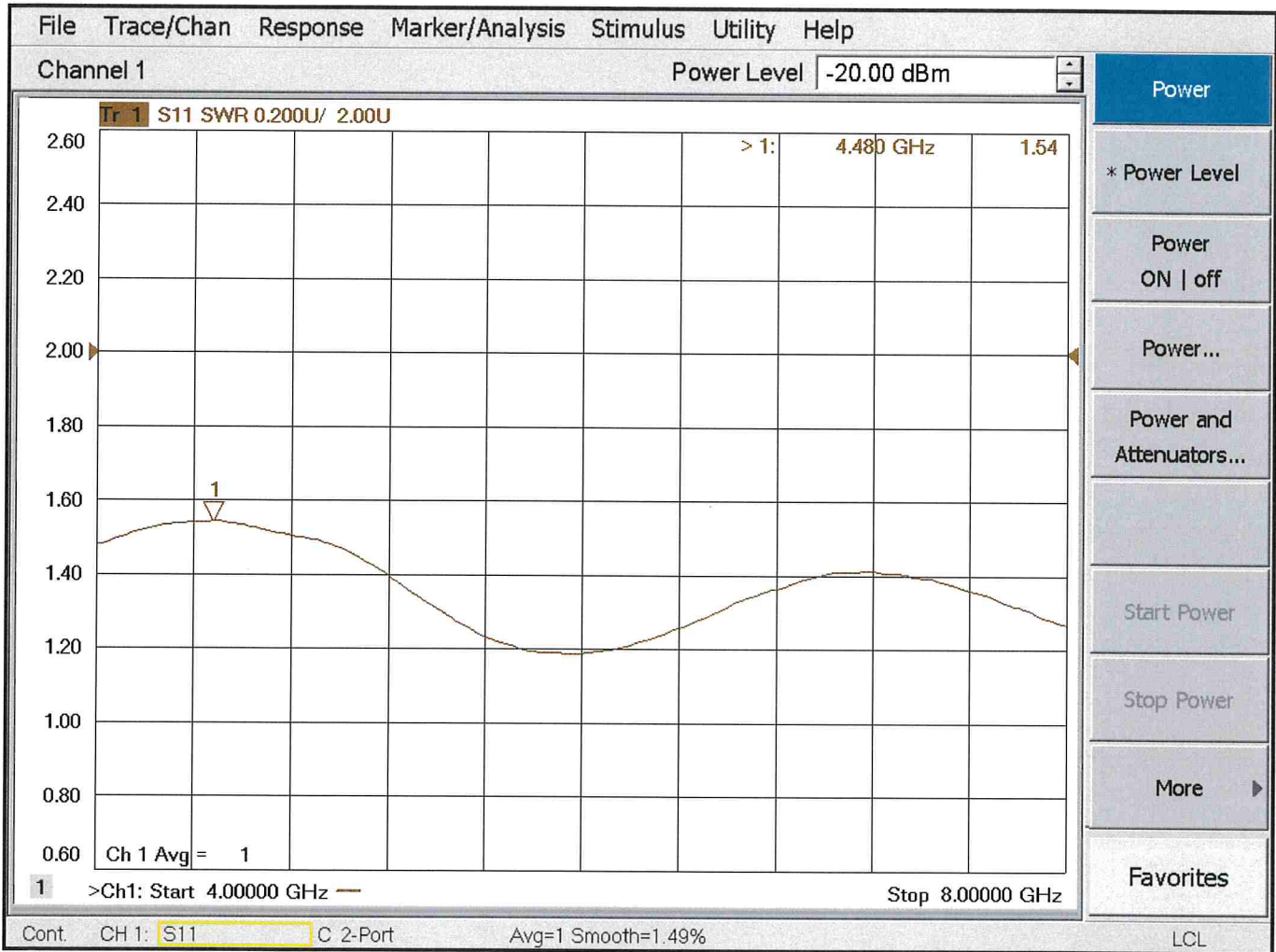
MODEL: GMDA-S4080-60  
SERIAL NO: PL40218  
DATE: 04-25-2023  
TESTED BY: J. Emperador  
TEST TEMP: +25°C

Vos= 94mV

Frequency		-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
4 GHz	INTERCEPT (mV)	199	331	449	566	707	839	972	1102	1222	1330	1468	1611	1700	Measured Value (mV)
	SLOPE (mV/dB)	-2	3	-5	-15	-1	5	11	14	7	-11	0	16	-22	Error (mV)
	LIN. ERR. (dB)	-0.07	0.14	-0.21	-0.59	-0.03	0.18	0.42	0.55	0.29	-0.45	-0.01	0.63	-0.86	LINEARITY ERROR (dB)
5 GHz	INTERCEPT (mV)	212	349	471	596	731	856	972	1101	1222	1330	1465	1606	1699	Measured Value (mV)
	SLOPE (mV/dB)	-13	0	-2	-1	9	10	2	7	4	-13	-2	15	-16	Error (mV)
	LIN. ERR. (dB)	-0.51	0.01	-0.08	-0.05	0.38	0.41	0.08	0.27	0.14	-0.51	-0.08	0.60	-0.66	LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV)	211	352	482	613	745	864	973	1102	1222	1331	1467	1609	1701	Measured Value (mV)
	SLOPE (mV/dB)	-22	-4	2	9	18	13	-2	4	0	-15	-3	16	-16	Error (mV)
	LIN. ERR. (dB)	-0.88	-0.18	0.08	0.38	0.71	0.52	-0.07	0.14	-0.01	-0.60	-0.10	0.64	-0.64	LINEARITY ERROR (dB)
7 GHz	INTERCEPT (mV)	185	321	455	588	726	850	962	1094	1217	1328	1463	1604	1699	Measured Value (mV)
	SLOPE (mV/dB)	-18	-9	-1	6	18	15	1	7	4	-12	-3	12	-19	Error (mV)
	LIN. ERR. (dB)	-0.73	-0.34	-0.04	0.23	0.70	0.61	0.04	0.27	0.14	-0.46	-0.12	0.47	-0.77	LINEARITY ERROR (dB)
8 GHz	INTERCEPT (mV)	188	328	467	593	728	847	957	1091	1212	1322	1456	1595	1696	Measured Value (mV)
	SLOPE (mV/dB)	-22	-7	7	8	18	12	-3	6	2	-13	-4	10	-14	Error (mV)
	LIN. ERR. (dB)	-0.90	-0.29	0.27	0.31	0.72	0.48	-0.12	0.24	0.09	-0.51	-0.15	0.41	-0.54	LINEARITY ERROR (dB)
Avg. Slope: 25 mV/dB		0.5	0.6	0.7	0.9	0.8	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.1	Flatness dB: ±0.9 dB

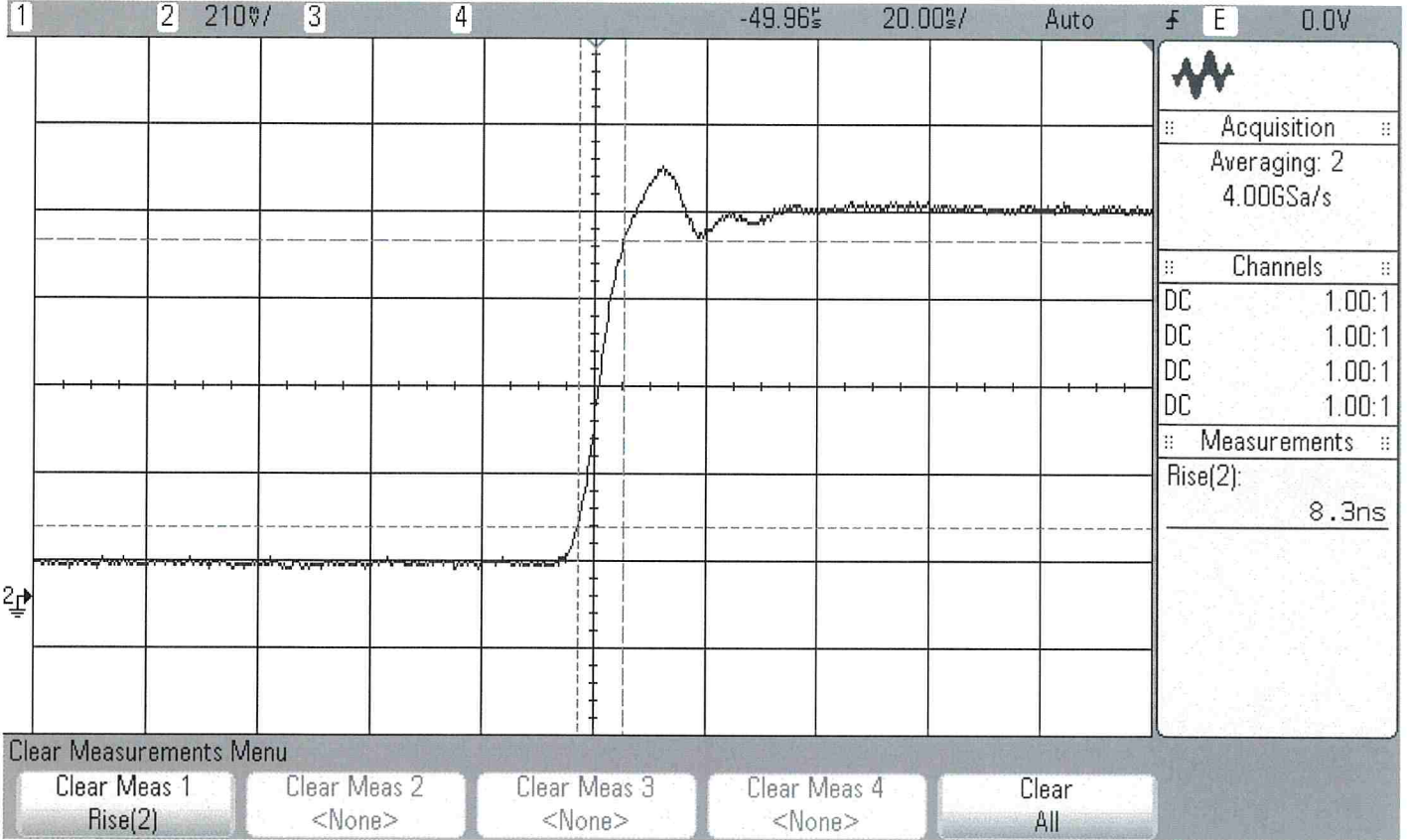


# VSWR



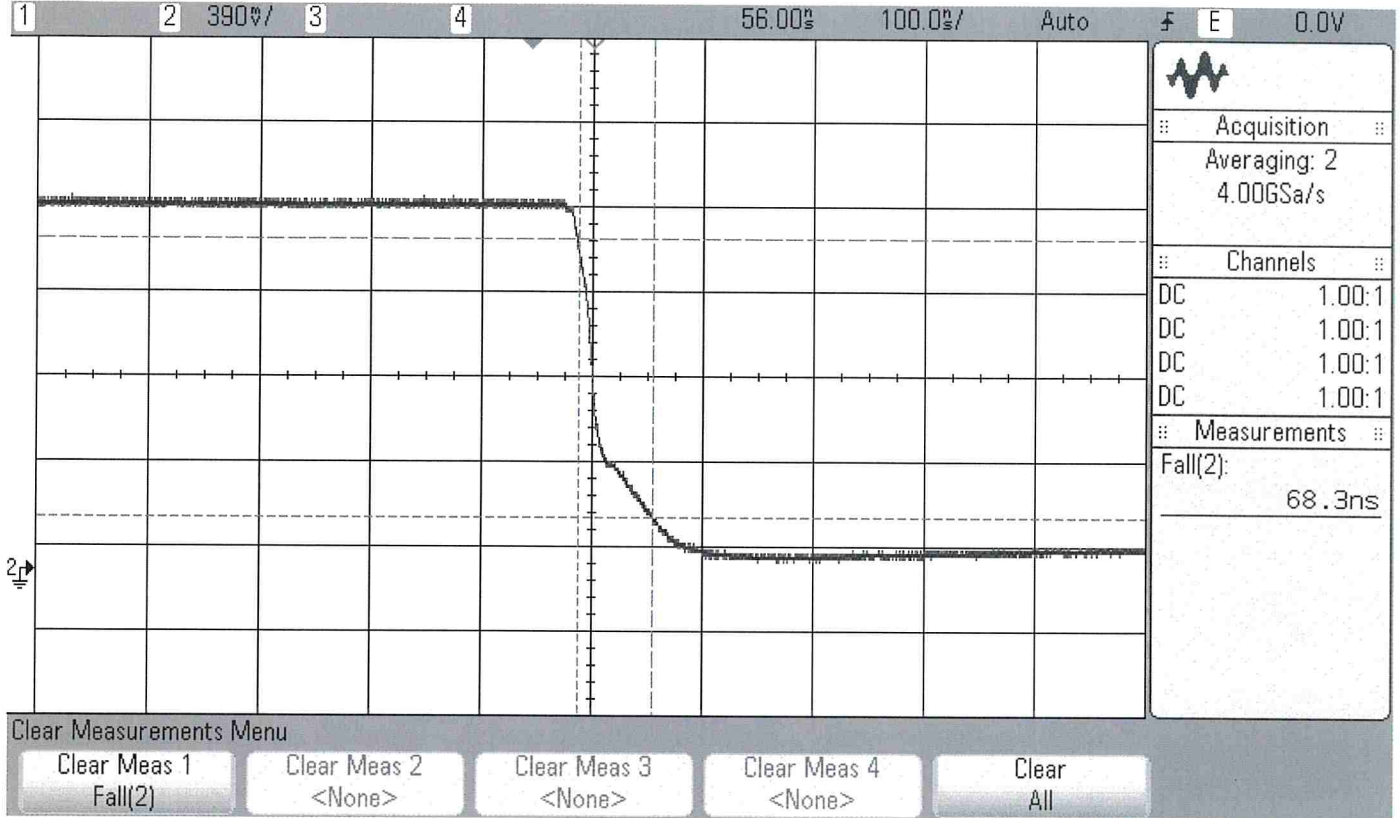
# Rise Time

MSO-X 3054A, MY53400180: Wed Apr 26 11:43:15 2023



## Fall Time

MSO-X 3054A, MY53400180: Wed Apr 26 11:44:17 2023



## TSS @ -66 dBm

MSO-X 3054A, MY53400180: Wed Apr 26 11:42:09 2023

