

# SUMMARY TEST DATA ON GMDA-S4080-60

CUSTOMER: \_\_\_\_\_  
 SO: \_\_\_\_\_  
 MODEL NO: GMDA-S4080-60  
 SERIAL NO: PL54049/2530

TESTED BY: EA Valdez  
 TEMPERATURE: +25°C  
 DATE: 7/22/2025  
 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	-65 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	1.8 dBm	
5	VIDEO LOG SLOPE	25 ± 1mV / dB Nom	25.8	
6	VIDEO FREQ FLATNESS	±2 dB Max	1.5 dB	
7	VIDEO RISE TIME	30ns Max	23.0 ns	
9	VIDEO FALL TIME	80ns Max	79.0 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	1.32:1	
13	DC POWER	+11.4 to +15.75V, 460mA Max -11.4 to 15.75V, 150mA Max	+361mA /-37mA	

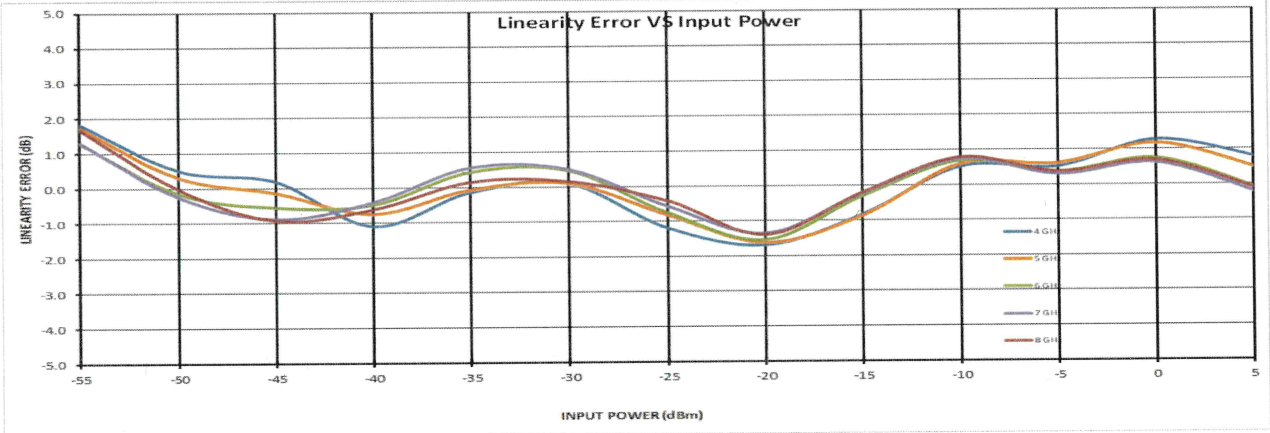
QA/QC Approval: K. Klamm

Date: 7.22.25

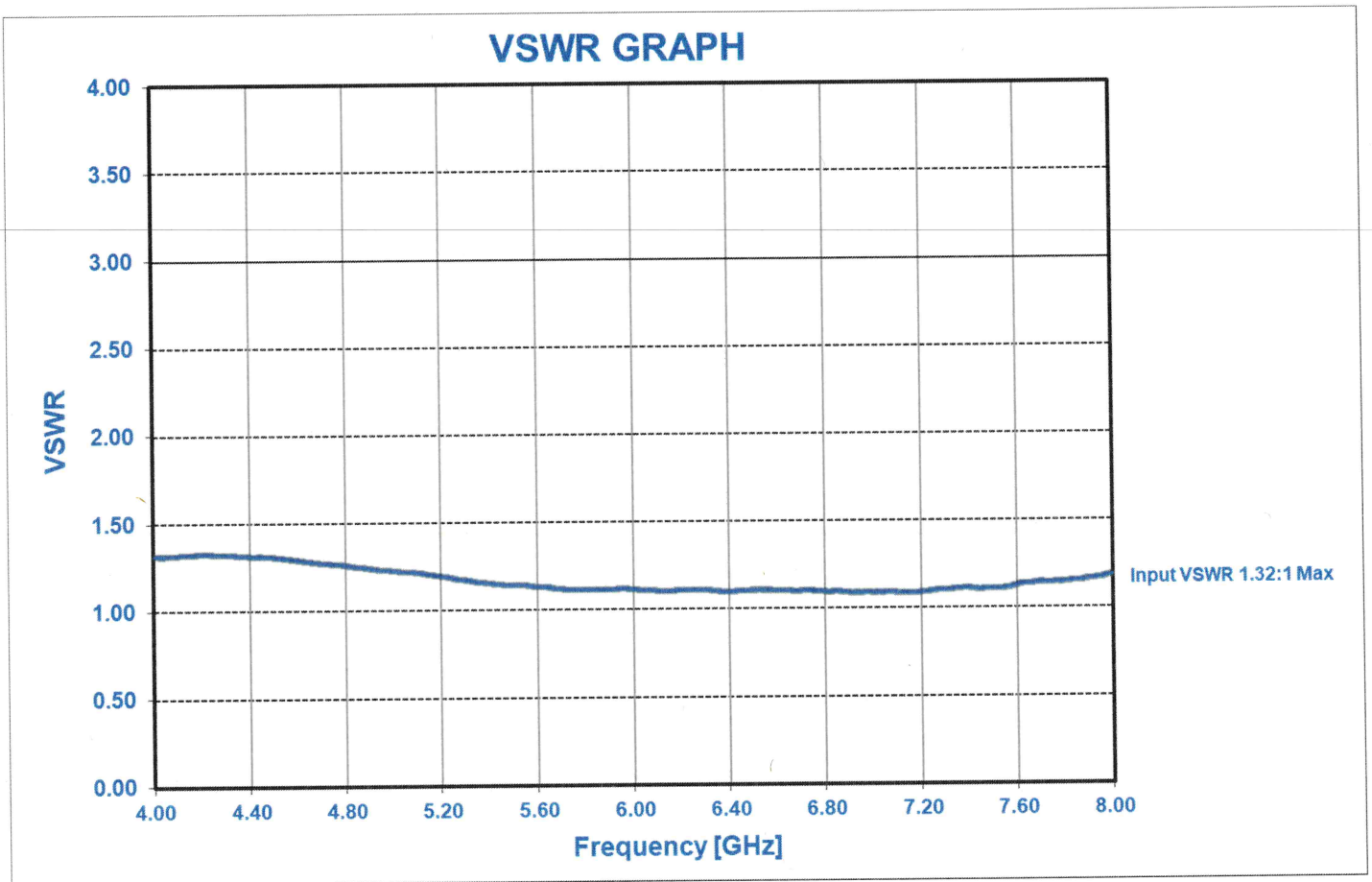


MODEL: GMDA-S4080-60  
SERIAL NO: PL54049  
DATE: 07/09/2025  
TESTED BY: EAV  
TEST TEMP: +25°C

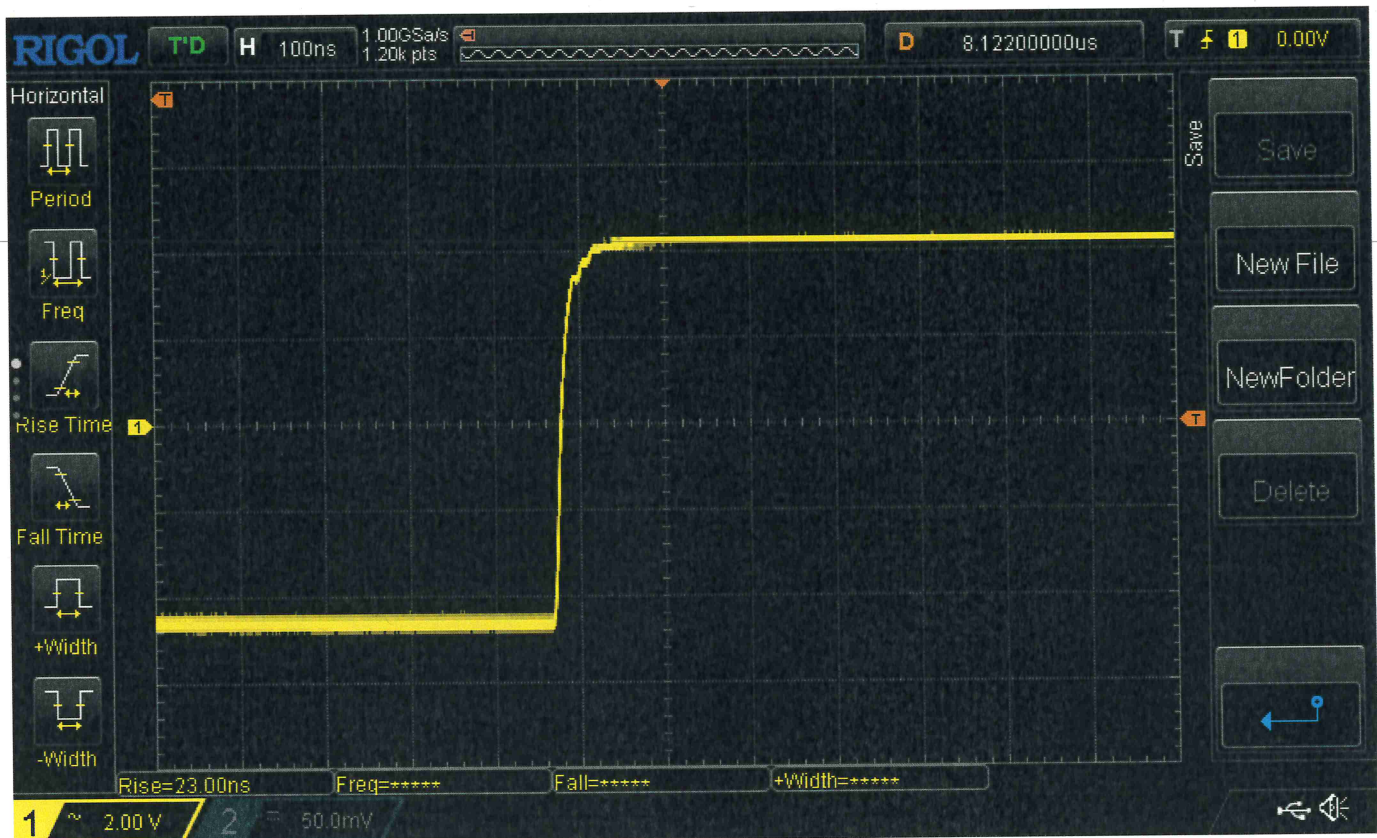
Frequency		-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
4 GHz	INTERCEPT (mV)	139	231	348	441	590	721	814	911	1073	1232	1357	1501	1614	Measured Value (mV)
	SLOPE (mV/dB)	45	12	4	-28	-4	2	-30	-58	-21	13	13	32	20	Error (mV)
	LIN. ERR. (dB)	1.82	0.50	0.17	-1.11	-0.15	0.08	-1.20	-1.70	-0.85	0.51	0.51	1.26	0.78	LINEARITY ERROR (dB)
5 GHz	INTERCEPT (mV)	101	193	310	423	569	702	807	900	1063	1229	1358	1501	1612	Measured Value (mV)
	SLOPE (mV/dB)	44	8	-4	-20	-2	2	-21	-57	-22	15	15	30	12	Error (mV)
	LIN. ERR. (dB)	1.72	0.30	-0.15	-0.76	-0.08	0.09	-0.83	-1.63	-0.87	0.58	0.60	1.16	0.47	LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV)	97	189	308	439	592	722	820	929	1090	1245	1366	1505	1613	Measured Value (mV)
	SLOPE (mV/dB)	33	-4	-14	-13	11	12	-20	-40	-5	18	9	19	-2	Error (mV)
	LIN. ERR. (dB)	1.28	-0.16	-0.56	-0.49	0.42	0.45	-0.76	-1.54	-0.32	0.68	0.36	0.73	-0.09	LINEARITY ERROR (dB)
7 GHz	INTERCEPT (mV)	85	175	289	432	588	717	820	930	1090	1246	1365	1504	1613	Measured Value (mV)
	SLOPE (mV/dB)	34	-7	-23	-11	14	13	-15	-36	-6	19	8	16	-6	Error (mV)
	LIN. ERR. (dB)	1.30	-0.26	-0.89	-0.42	0.55	0.49	-0.57	-1.36	-0.24	0.73	0.29	0.61	-0.22	LINEARITY ERROR (dB)
8 GHz	INTERCEPT (mV)	75	162	270	410	562	694	811	917	1080	1238	1359	1499	1610	Measured Value (mV)
	SLOPE (mV/dB)	44	-1	-25	-17	4	4	-11	-37	-6	20	10	18	-3	Error (mV)
	LIN. ERR. (dB)	1.67	-0.03	-0.94	0.63	0.14	0.14	-0.42	-1.40	-0.22	0.77	0.36	0.67	-0.12	LINEARITY ERROR (dB)
Avg. Slope: 25.8 mV/dB		1.2	1.3	1.5	0.6	0.6	0.5	0.3	0.6	0.5	0.3	0.2	0.1	0.1	Flatness dB: +1.5 dB



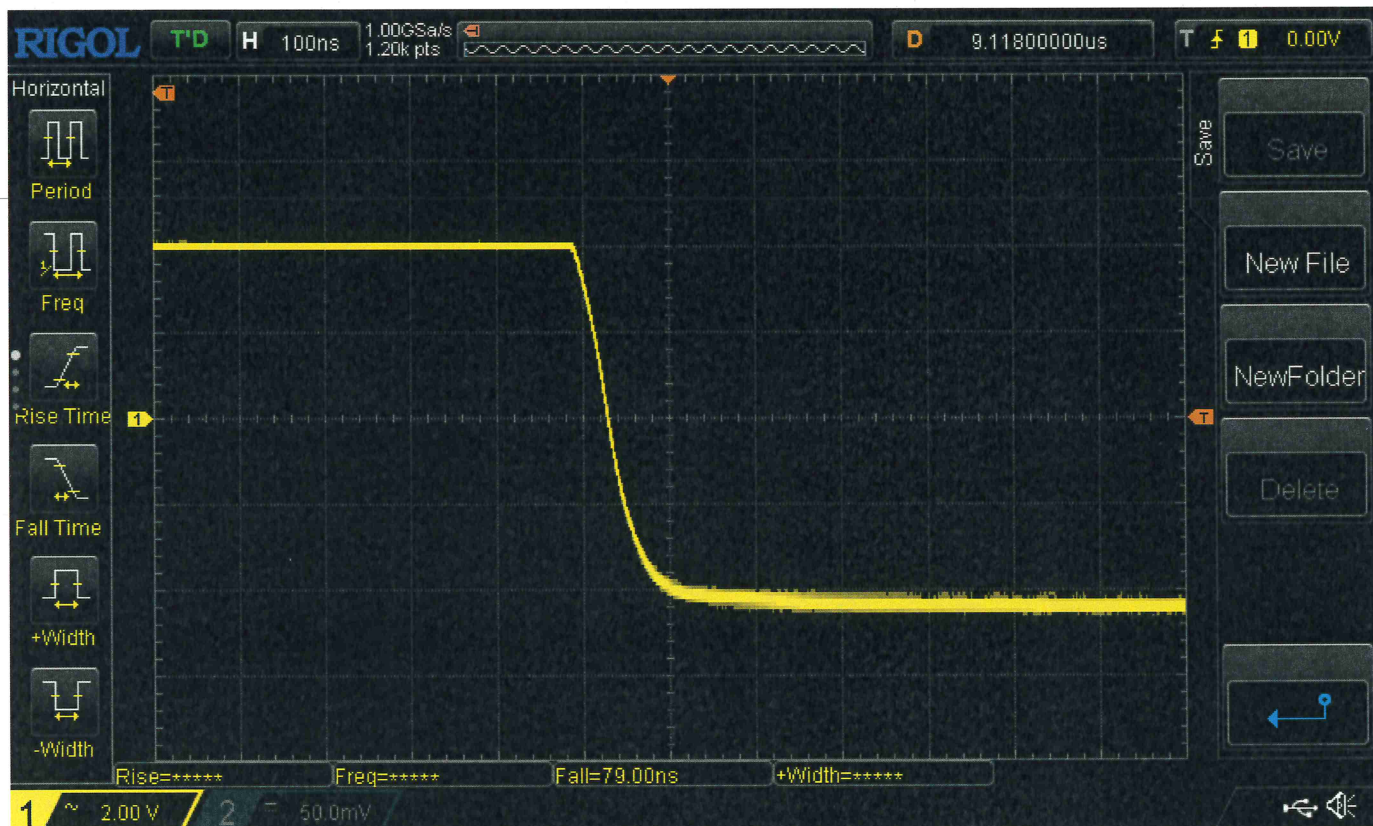
## VSWR



## Rise Time



## Fall Time



## TSS @ -65 dBm

