

# SUMMARY TEST DATA ON GMDA-S4080-60

CUSTOMER: \_\_\_\_\_  
 SO: \_\_\_\_\_  
 MODEL NO: GMDA-S4080-60  
 SERIAL NO: PL54053/2530

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	26.1 mV	
6	VIDEO FREQ FLATNESS	±2 dB Max	1.0 dB	
7	VIDEO RISE TIME	30ns Max	23.0 ns	
9	VIDEO FALL TIME	80ns Max	78.0 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	1.39:1	
13	DC POWER	+11.4 to +15.75V, 460mA Max -11.4 to 15.75V, 150mA Max	+355mA / -36mA	

QA/QC Approval: 

Date: 7.22.25

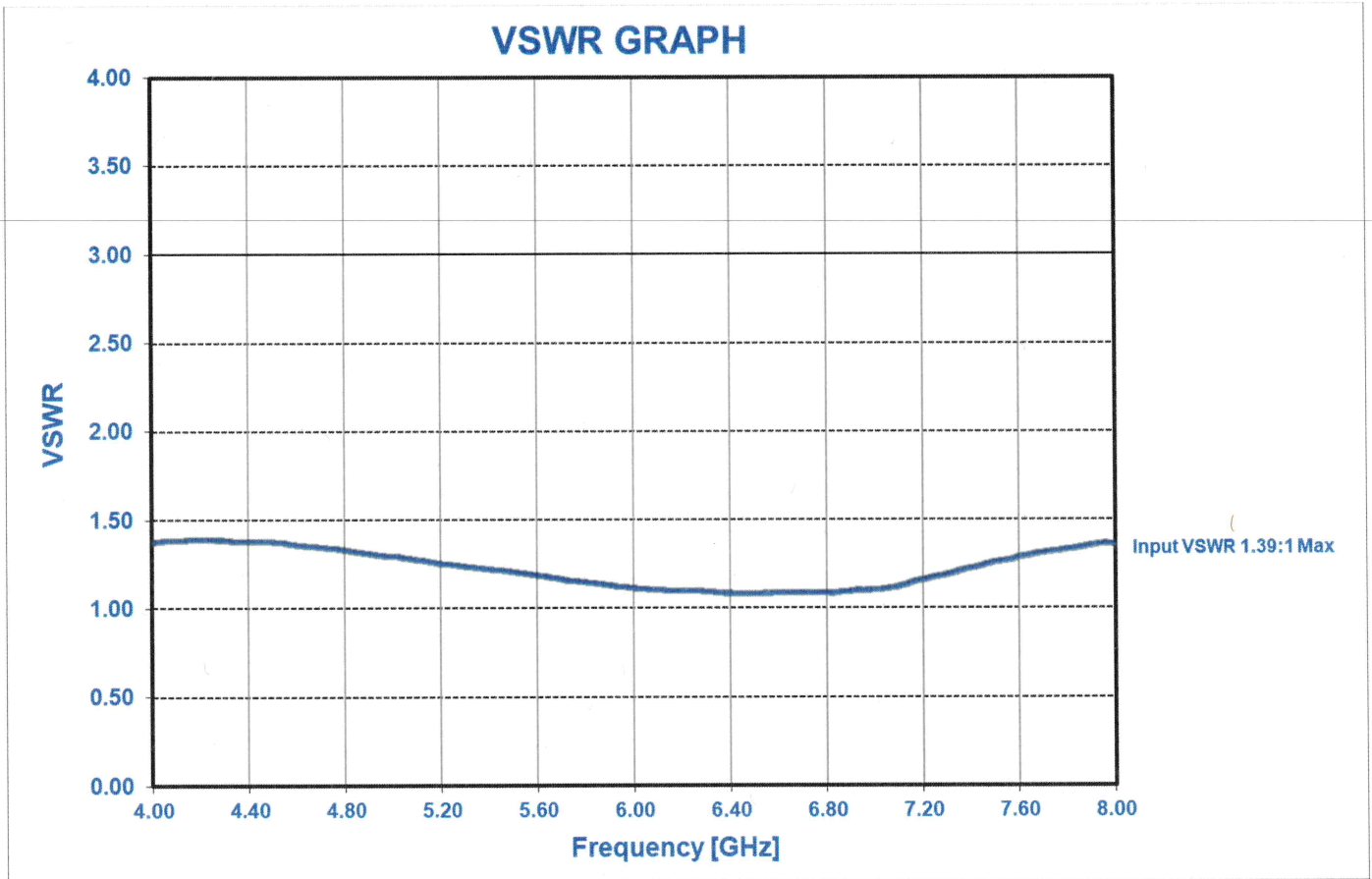


MODEL: GMDA-S4080-60  
SERIAL NO: PL54053  
DATE: 07/09/2025  
TESTED BY: EAV  
TEST TEMP: +25°C

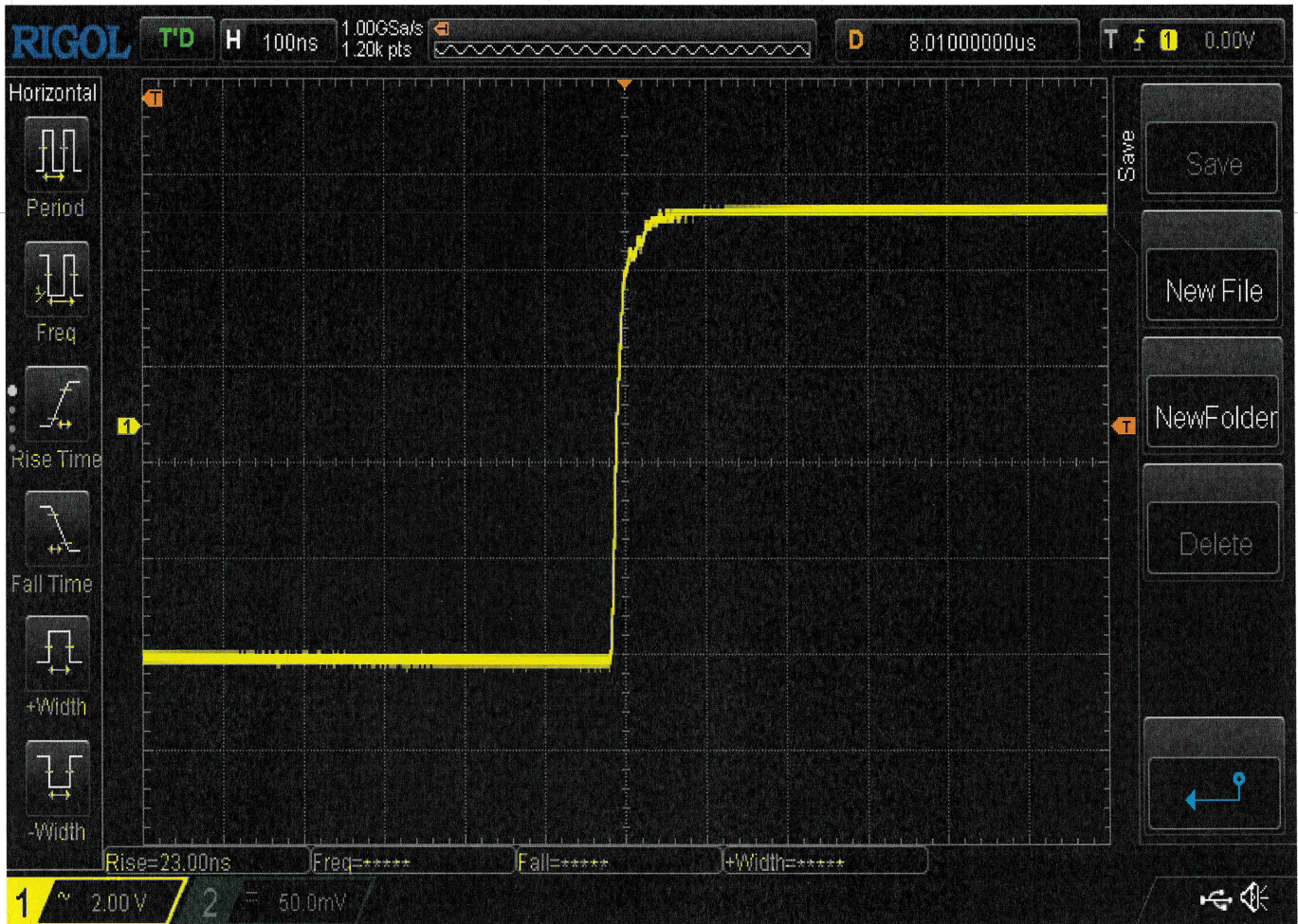
Frequency		-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
4 GHz	INTERCEPT (mV)	1619													Measured Value (mV)
	SLOPE (mV/dB)	25.56													Error (mV)
	LIN. ERR. (dB)	1.8													LINEARITY ERROR (dB)
		226	347	481	593	740	865	954	1051	1209	1364	1500	1652	1763	
5 GHz	INTERCEPT (mV)	1617													Measured Value (mV)
	SLOPE (mV/dB)	26.03													Error (mV)
	LIN. ERR. (dB)	1.61													LINEARITY ERROR (dB)
		204	324	453	571	712	840	948	1043	1201	1361	1497	1649	1760	
6 GHz	INTERCEPT (mV)	1630													Measured Value (mV)
	SLOPE (mV/dB)	25.91													Error (mV)
	LIN. ERR. (dB)	1.476													LINEARITY ERROR (dB)
		218	339	470	587	734	859	962	1074	1229	1379	1505	1656	1763	
7 GHz	INTERCEPT (mV)	1641													Measured Value (mV)
	SLOPE (mV/dB)	26.29													Error (mV)
	LIN. ERR. (dB)	1.313													LINEARITY ERROR (dB)
		213	332	461	581	727	853	964	1081	1234	1389	1522	1668	1768	
8 GHz	INTERCEPT (mV)	1628													Measured Value (mV)
	SLOPE (mV/dB)	26.47													Error (mV)
	LIN. ERR. (dB)	1.382													LINEARITY ERROR (dB)
		202	317	440	557	690	824	948	1062	1219	1373	1509	1656	1764	
Avg. Slope: 26.1 mV/dB		0.5	0.6	0.8	0.7	1	0.8	0.3	0.7	0.6	0.5	0.5	0.4	0.2	Flatness dB: ±1 dB



# VSWR



# Rise Time



## Fall Time



## TSS @ -65 dBm

