

# SUMMARY TEST DATA ON GMDA-S4080-60

CUSTOMER: \_\_\_\_\_  
 SO: \_\_\_\_\_  
 MODEL NO: GMDA-S4080-60  
 SERIAL NO: PL54048/2530

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	PM QA <sup>2</sup>
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	26.5 mV	
6	VIDEO FREQ FLATNESS	±2 dB Max	1.1 dB	
7	VIDEO RISE TIME	30ns Max	9.0 ns	
9	VIDEO FALL TIME	80ns Max	78 ns	
10	RECOVERY TIME	100ns Max	90 ns	
11	VIDEO OUTPUT LOAD IMPEDANCE	75 Ω	75Ω	
12	INPUT VSWR (50 Ω)	2.0:1 Max	1.47:1	
13	DC POWER	+11.4 to +15.75V, 460mA Max -11.4 to 15.75V, 150mA Max	+305mA /-39mA	

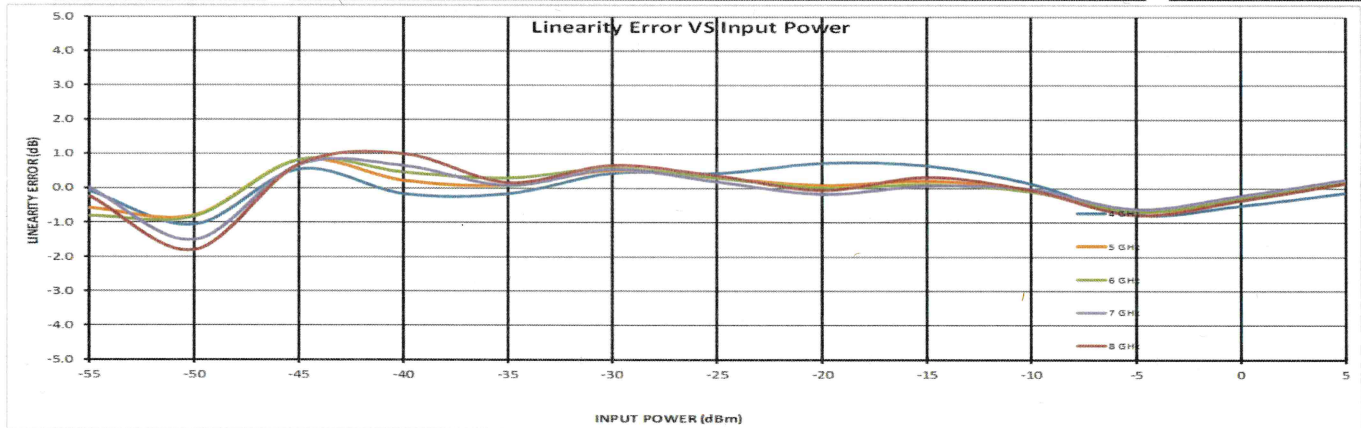
QA/QC Approval: *B. Klamm*

Date: 7.22.25

MODEL: GMDA S4080-60  
 SERIAL NO: PL54058  
 DATE: 7/16/2025  
 TESTED BY: EAV  
 TEST TEMP: +25°C

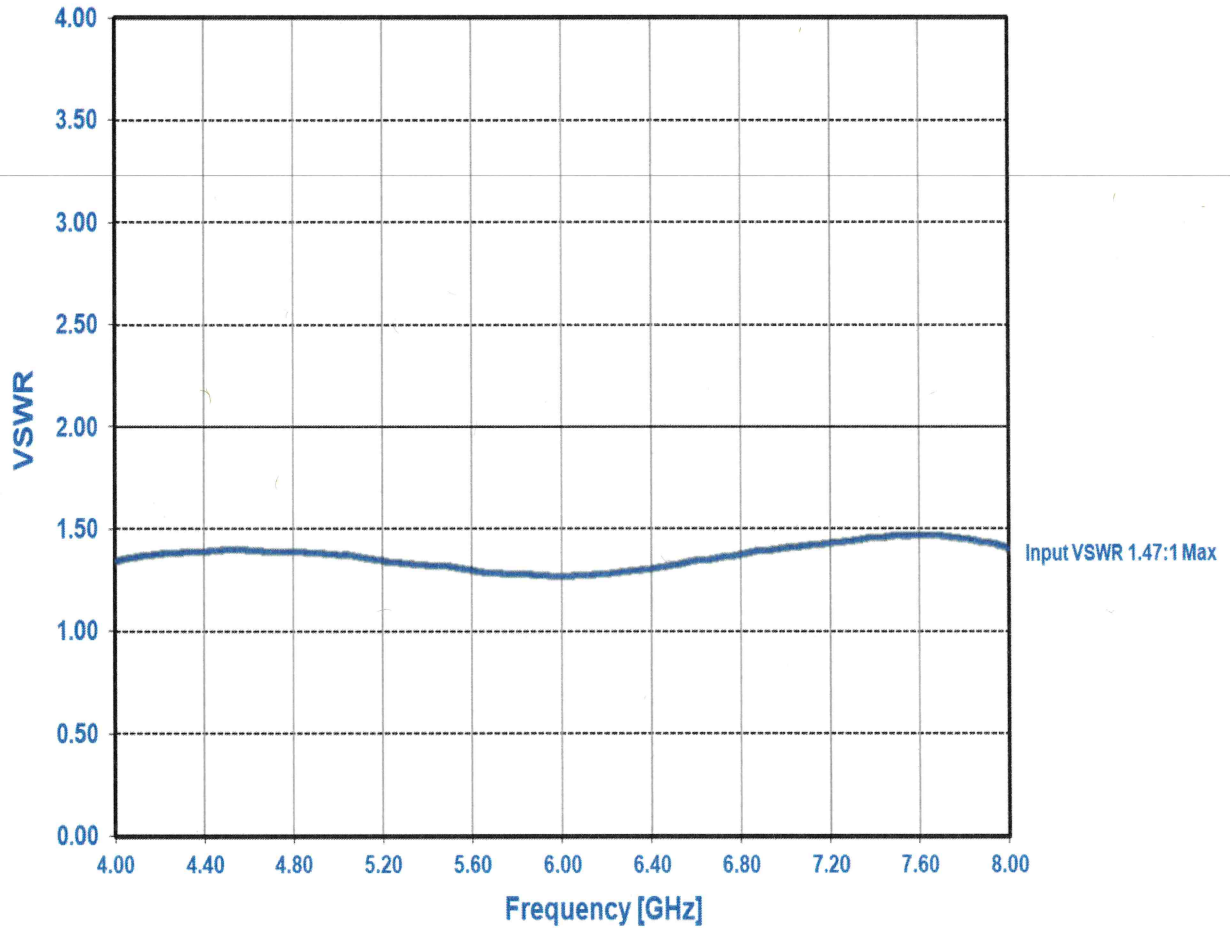


Frequency		-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
4 GHz	INTERCEPT (mV)	1580													Measured Value (mV)
	SLOPE (mV/dB)	26.81													Error (mV)
	LIN. ERR. (dB)	1.1													LINEARITY ERROR (dB)
5 GHz	INTERCEPT (mV)	1573													Measured Value (mV)
	SLOPE (mV/dB)	26.33													Error (mV)
	LIN. ERR. (dB)	0.816													LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV)	1580													Measured Value (mV)
	SLOPE (mV/dB)	26.3													Error (mV)
	LIN. ERR. (dB)	0.834													LINEARITY ERROR (dB)
7 GHz	INTERCEPT (mV)	1565													Measured Value (mV)
	SLOPE (mV/dB)	26.71													Error (mV)
	LIN. ERR. (dB)	1.505													LINEARITY ERROR (dB)
8 GHz	INTERCEPT (mV)	1540													Measured Value (mV)
	SLOPE (mV/dB)	26.19													Error (mV)
	LIN. ERR. (dB)	1.799													LINEARITY ERROR (dB)
Avg. Slope: 26.5 mV/dB		0.3	1.1	0.7	0.7	0.7	0.6	0.7	0.9	0.7	0.7	0.8	0.8	0.8	Flatness dB: ±1.1 dB

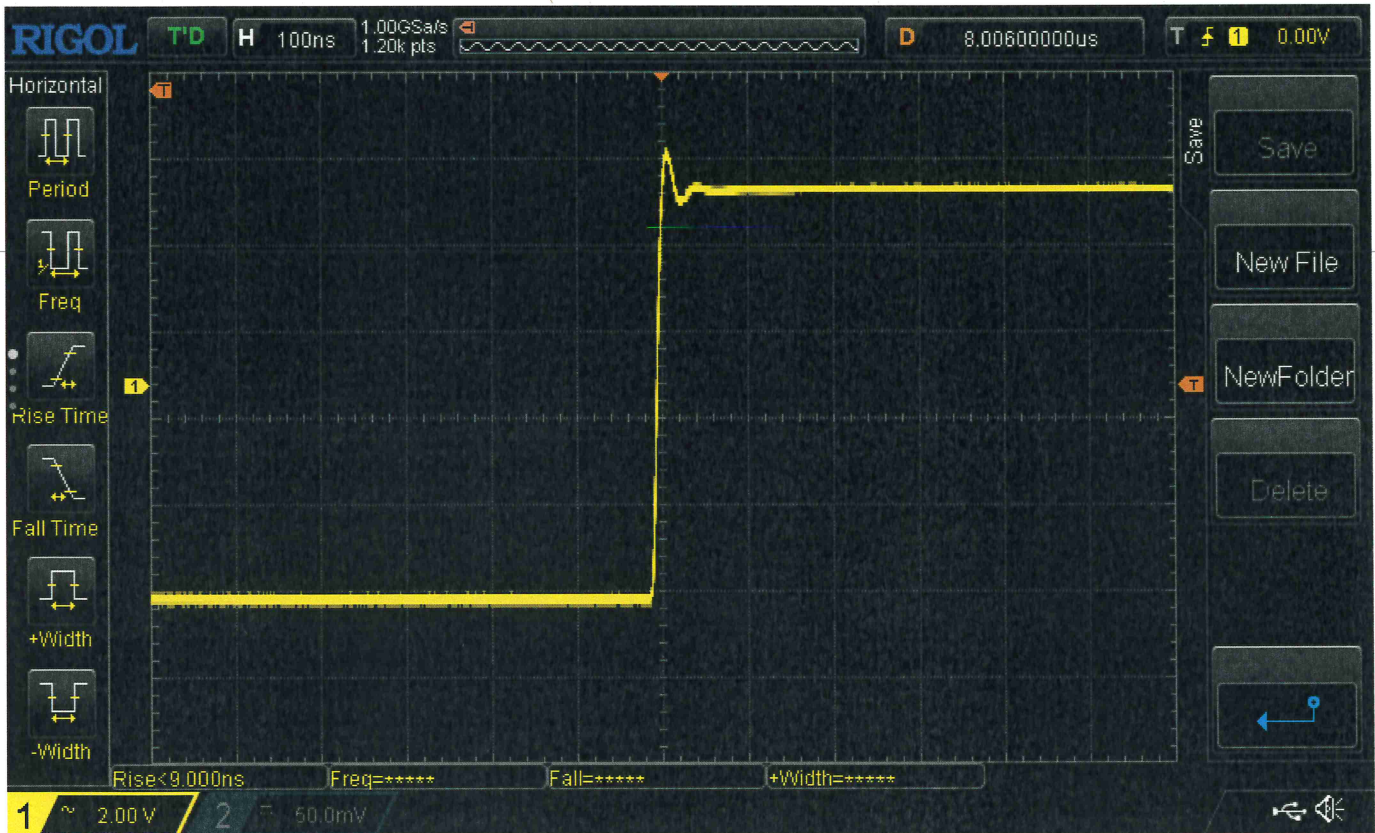


# VSWR

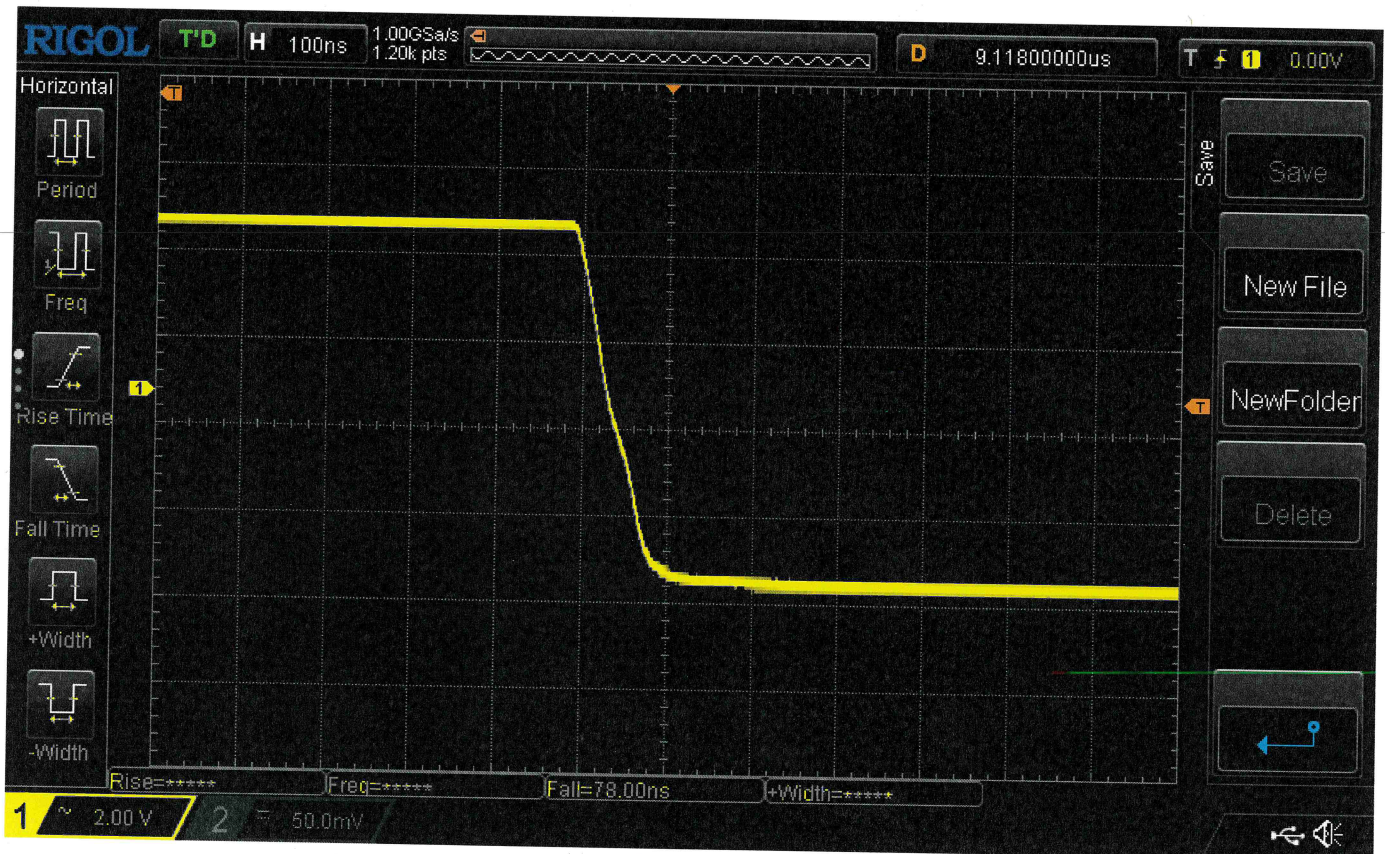
## VSWR GRAPH



## Rise Time



## Fall Time



# TSS @ -65 dBm

