

SUMMARY TEST DATA ON GMDA-S4080-60

CUSTOMER: _____
 SO: _____
 MODEL NO: GMDA-S4080-60
 SERIAL NO: PL54050/2530

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	-64 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	1.4 dBm	
5	VIDEO LOG SLOPE	25 ± 1mV / dB Nom	25.5 mV	
6	VIDEO FREQ FLATNESS	±2 dB Max	1.0 dB	
7	VIDEO RISE TIME	30ns Max	11.0 ns	
9	VIDEO FALL TIME	80ns Max	77.0 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	1.37:1	
13	DC POWER	+11.4 to +15.75V, 460mA Max -11.4 to 15.75V, 150mA Max	+405mA / -37mA	

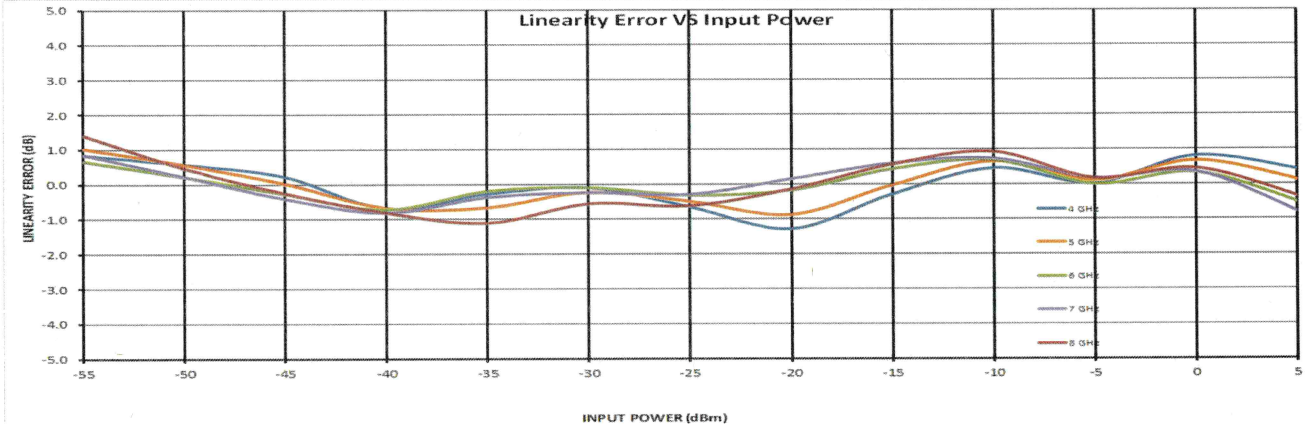
QA/QC Approval: *U. Klamm*

Date: 7.22.25

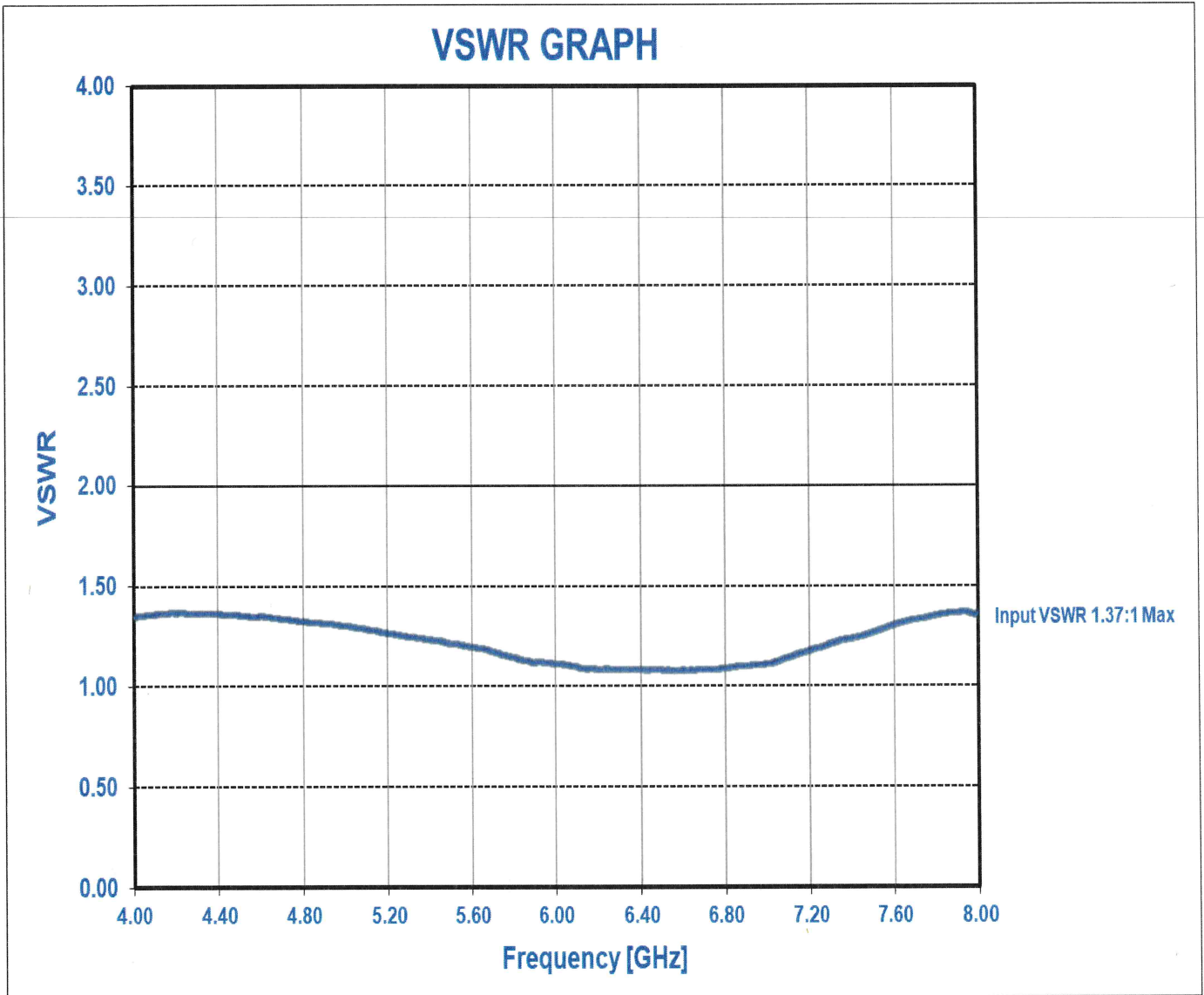


MODEL: GMDA-S4080-60
SERIAL NO: PL54050
DATE: 7/14/2025
TESTED BY: EAV
TEST TEMP: +25°C

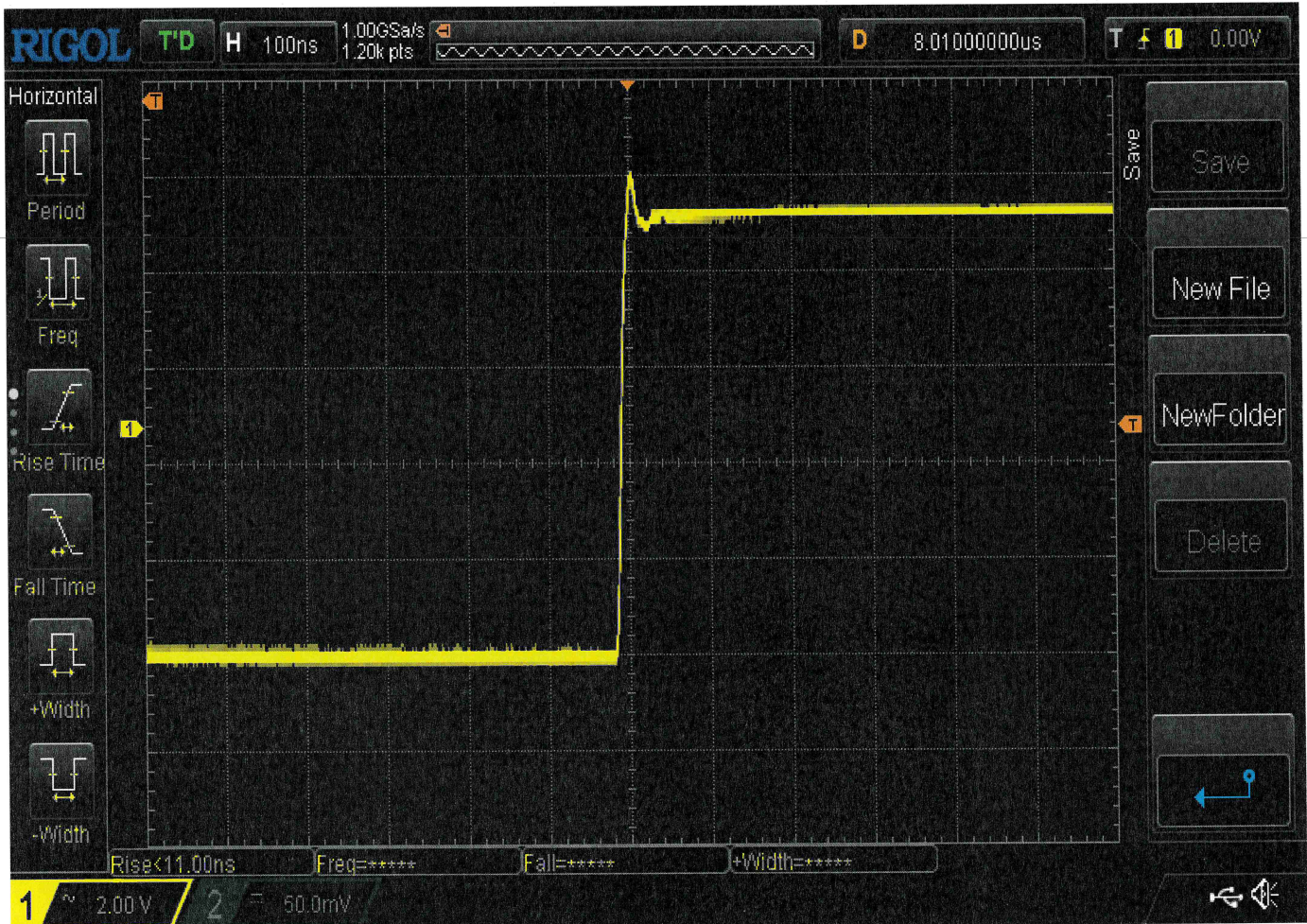
Frequency		-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
4 GHz	INTERCEPT (mV)	1517													Measured Value (mV)
	SLOPE (mV/dB)	24.73													Error (mV)
	LIN. ERR. (dB)	1.3													LINEARITY ERROR (dB)
5 GHz	INTERCEPT (mV)	1522													Measured Value (mV)
	SLOPE (mV/dB)	25.35													Error (mV)
	LIN. ERR. (dB)	1.013													LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV)	1547													Measured Value (mV)
	SLOPE (mV/dB)	25.5													Error (mV)
	LIN. ERR. (dB)	0.728													LINEARITY ERROR (dB)
7 GHz	INTERCEPT (mV)	1557													Measured Value (mV)
	SLOPE (mV/dB)	25.9													Error (mV)
	LIN. ERR. (dB)	0.849													LINEARITY ERROR (dB)
8 GHz	INTERCEPT (mV)	1542													Measured Value (mV)
	SLOPE (mV/dB)	26.13													Error (mV)
	LIN. ERR. (dB)	1.396													LINEARITY ERROR (dB)
Avg. Slope: 25.5 mV/dB		0.7	0.9	1	0.7	1	0.7	0.6	1	0.9	0.7	0.7	0.6	0.3	Flatness dB: ±1 dB



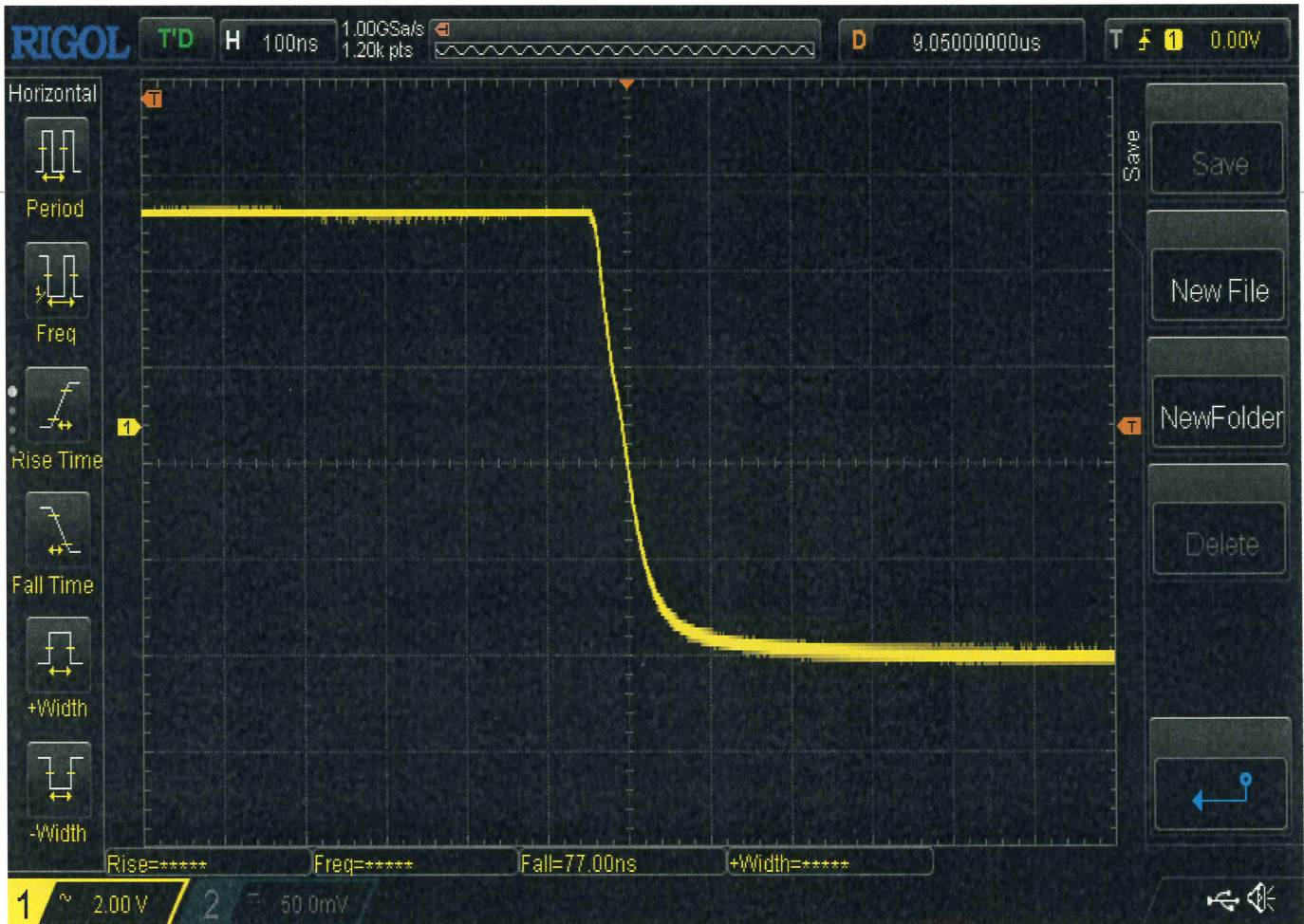
VSWR



Rise Time



Fall Time



TSS @ -64 dBm

