

SUMMARY TEST DATA ON GMDA-S4080-60

CUSTOMER: _____
 SO: _____
 MODEL NO: GMDA-S4080-60
 SERIAL NO: PL54047/2530

TESTED BY: EA Valdez
 TEMPERATURE: +25°C
 DATE: 7/22/2025
 DRAWING NO: 27645260 REV: A1

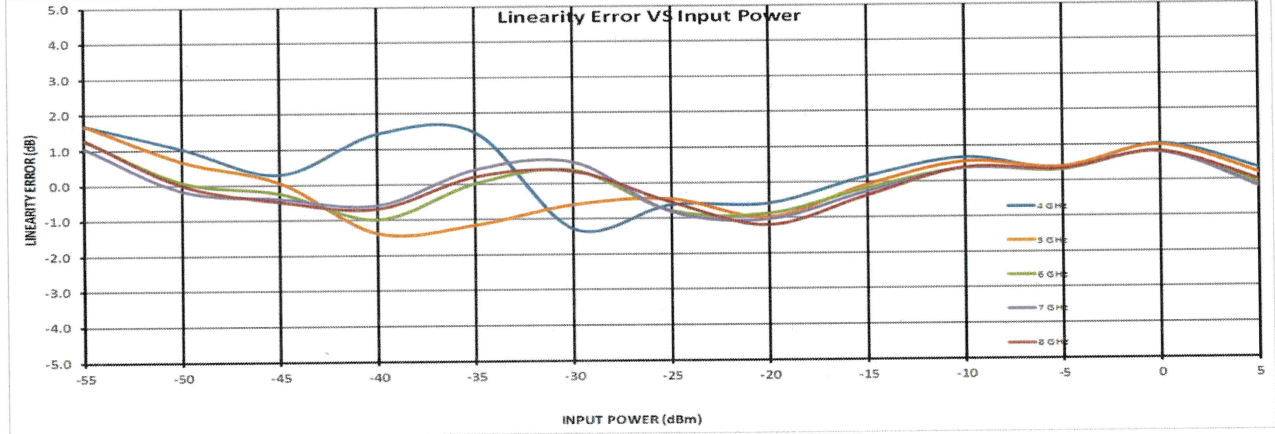
TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	FREQUENCY RANGE	4 GHz TO 8 GHz	4 GHz TO 8 GHz	PMI QA3
2	TSS	-60 dBm Min	- 65 dBm	
3	INPUT POWER HANDLING	+23 dBm CW	PASS	
3	VIDEO LOG RANGE	-55 dBm to +5 dBm	PASS	
4	VIDEO LOG LINEARITY	±1.85 dB Over Temp	1.7 dBm	
5	VIDEO LOG SLOPE	25 ± 1mV / dB Nom	26.5 mV	
6	VIDEO FREQ FLATNESS	±2 dB Max	1.5 dB	
7	VIDEO RISE TIME	30ns Max	15.0 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	1.46:1	
13	DC POWER	+11.4 to +15.75V, 460mA Max -11.4 to 15.75V, 150mA Max	+382mA /-37 mA	

QA/QC Approval: *K. Manning* Date: 7.22.25

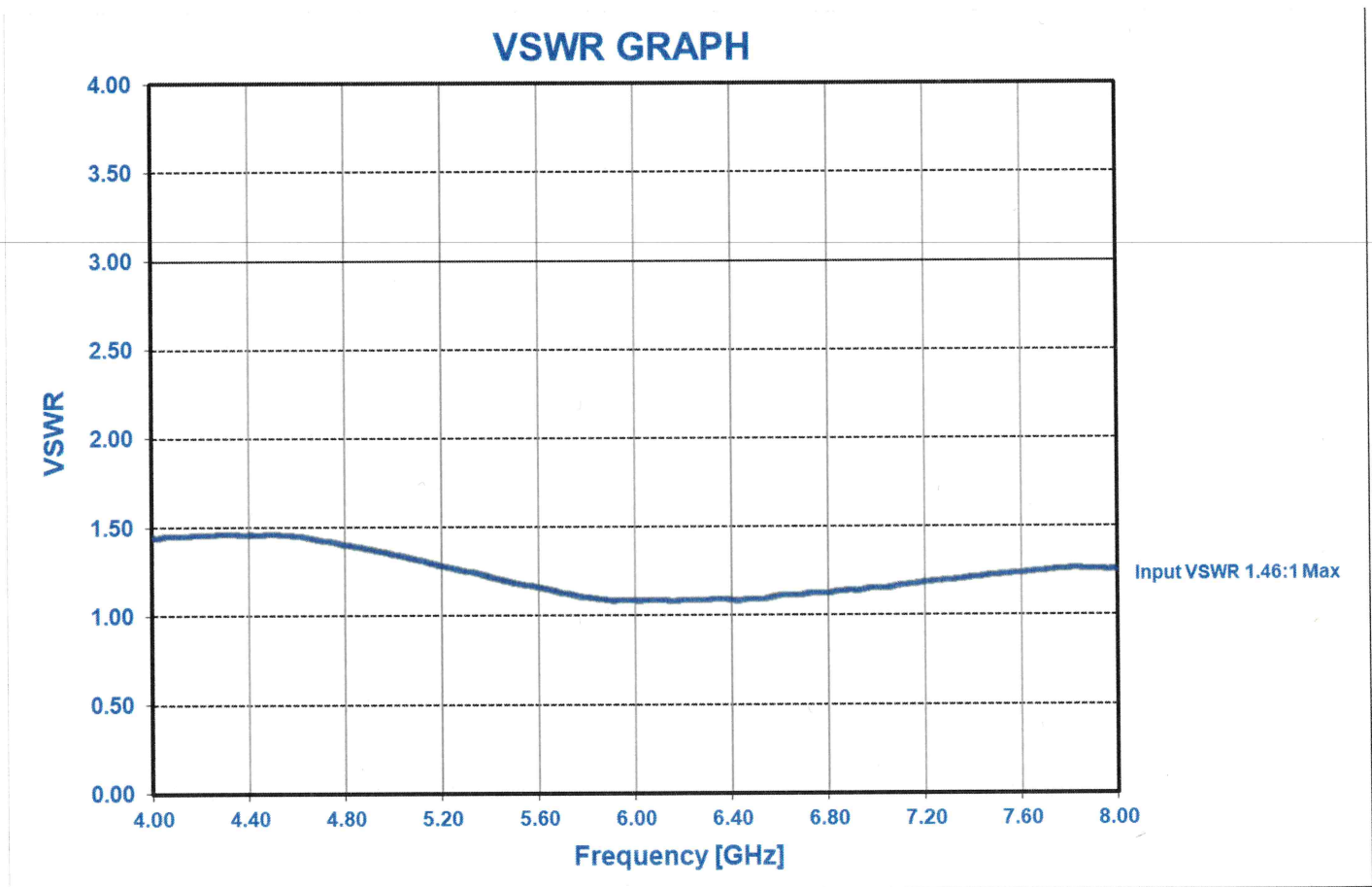


MODEL: GMDA-S4080-60
SERIAL NO: unit 1
DATE: 7/7/2025
TESTED BY: EAV
TEST TEMP: +25°C

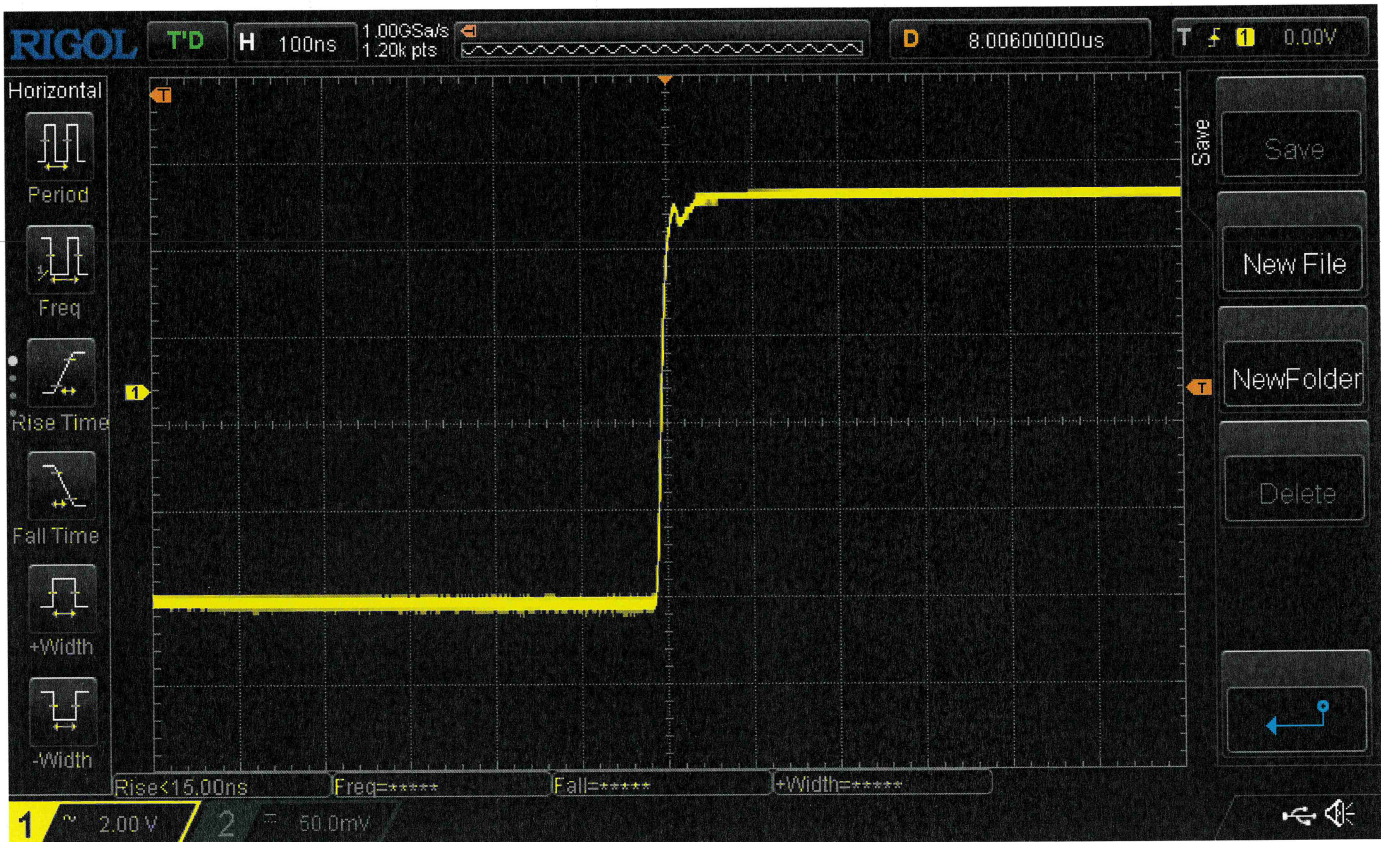
Frequency		-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)	
4 GHz	INTERCEPT (mV)	1330														Measured Value (mV)
	SLOPE (mV/dB)	26.46														Error (mV)
	LIN. ERR. (dB)	1.7														LINEARITY ERROR (dB)
		-62	34	147	222	356	502	652	785	937	1083	1207	1357	1471		
		63	27	8	-50	-48	-34	-17	-16	4	18	9	27	9		
		1.69	1.02	0.29	1.43	1.45	-1.29	-0.62	-0.60	0.14	0.66	0.35	1.02	0.32		
5 GHz	INTERCEPT (mV)	1325														Measured Value (mV)
	SLOPE (mV/dB)	26.63														Error (mV)
	LIN. ERR. (dB)	1.68														LINEARITY ERROR (dB)
		-88	11	128	223	362	510	647	766	923	1073	1202	1351	1463		
		51	17	1	-37	-31	-16	-12	-26	-3	14	10	26	5		
		1.68	0.65	0.05	-1.39	-1.17	-0.61	-0.46	-0.99	-0.10	0.54	0.38	0.98	0.18		
6 GHz	INTERCEPT (mV)	1347														Measured Value (mV)
	SLOPE (mV/dB)	26.31														Error (mV)
	LIN. ERR. (dB)	1.274														LINEARITY ERROR (dB)
		-67	33	156	268	426	567	668	797	947	1093	1223	1368	1475		
		34	2	-7	-26	0	10	-21	-23	-5	10	9	21	-3		
		1.27	0.08	-0.25	-0.99	0.01	0.37	-0.79	-0.89	-0.19	0.36	0.31	0.82	-0.12		
7 GHz	INTERCEPT (mV)	1348														Measured Value (mV)
	SLOPE (mV/dB)	26.4														Error (mV)
	LIN. ERR. (dB)	1.042														LINEARITY ERROR (dB)
		-76	24	150	277	435	572	667	793	945	1094	1225	1369	1475		
		28	-4	-10	-15	11	16	-21	-27	-7	10	9	21	-5		
		1.04	-0.17	-0.40	-0.59	0.40	0.59	-0.81	-1.04	-0.28	0.36	0.32	0.78	-0.21		
8 GHz	INTERCEPT (mV)	1336														Measured Value (mV)
	SLOPE (mV/dB)	26.69														Error (mV)
	LIN. ERR. (dB)	1.279														LINEARITY ERROR (dB)
		-96	3	124	252	409	546	656	772	927	1081	1213	1359	1471		
		34	0	-13	-18	5	9	-15	-32	-10	10	9	21	0		
		1.28	-0.01	-0.48	-0.68	0.20	0.33	-0.54	-1.20	-0.39	0.38	0.33	0.80	-0.01		
Avg. Slope: 26.5 mV/dB		0.6	0.6	0.6	1	1.5	1.3	0.4	0.6	0.5	0.4	0.4	0.3	0.2	Flatness dB: ±1.5 dB	



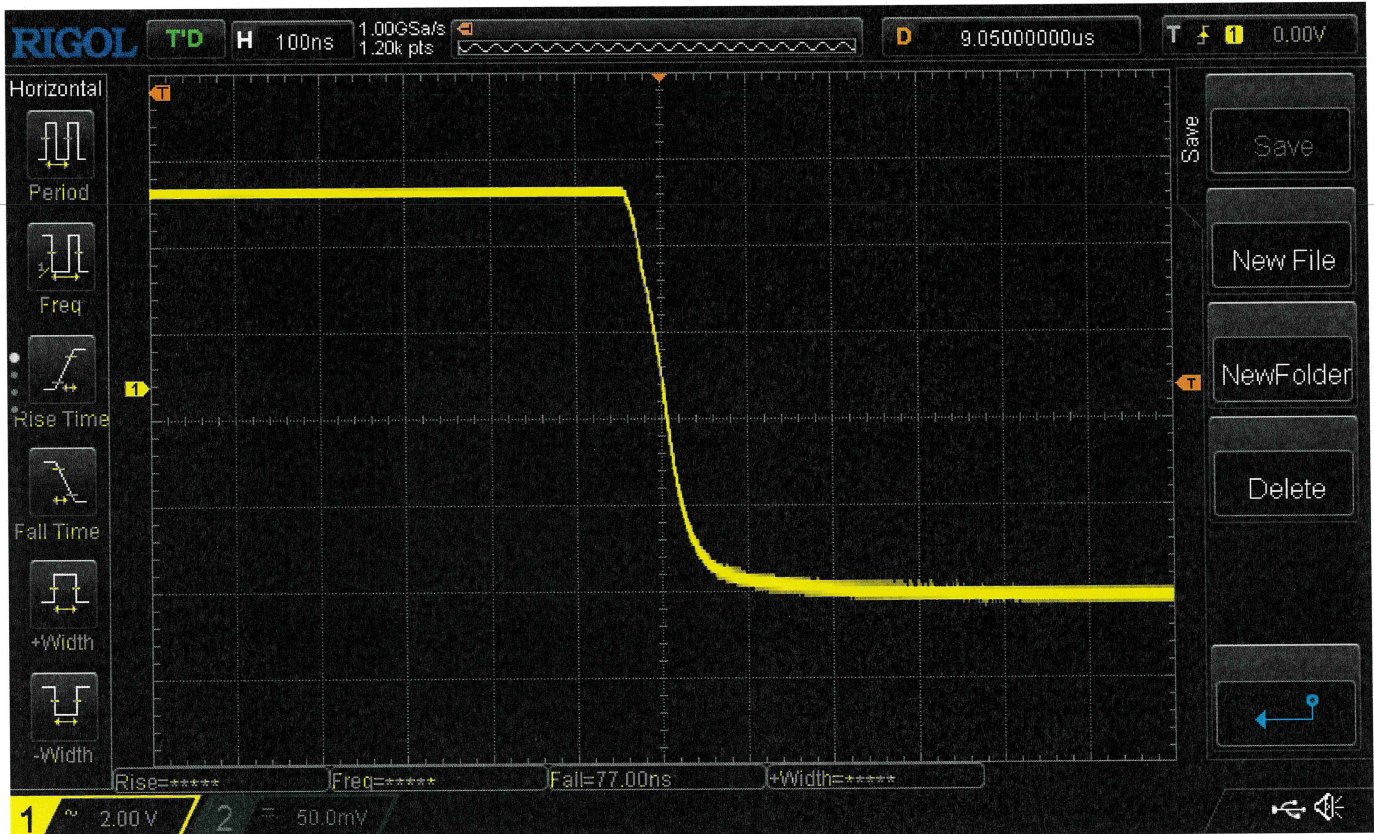
VSWR



Rise Time



Fall Time



TSS @ -65 dBm

