

SUMMARY TEST DATA ON GMDA-S4080-60

CUSTOMER: _____
 SO: _____
 MODEL NO: GMDA-S4080-60
 SERIAL NO: PL40224/2320

TESTED BY: M. Ayala
 TEMPERATURE: +25°C
 DATE: 5/15/2023
 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	-67 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	0.9 dBm	
5	VIDEO LOG SLOPE	25 ± 1mV / dB Nom	24.8 mV	
6	VIDEO FREQ FLATNESS	±2 dB Max	1.0 dB	
7	VIDEO RISE TIME	30ns Max	8.3 ns	
9	VIDEO FALL TIME	80ns Max	75.3 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	1.59:1	
13	DC POWER	+11.4 to +15.75V, 460mA Max -11.4 to 15.75V, 150mA Max	+314mA /-50mA	

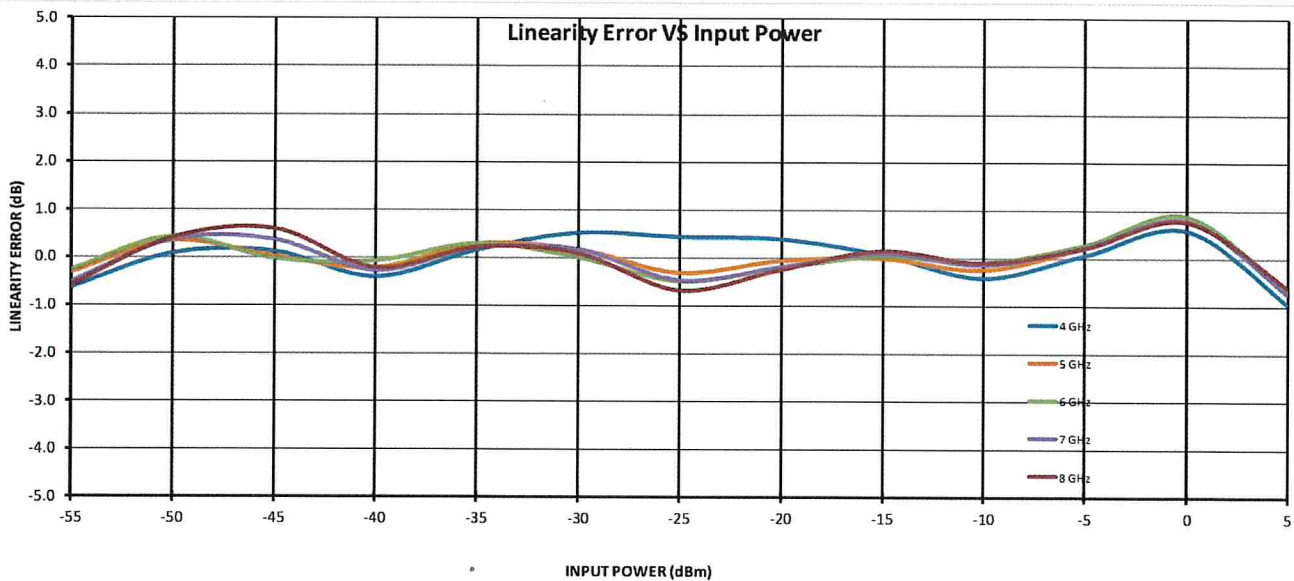
QA/QC Approval: *K. Nutter*

Date: 5-17-23

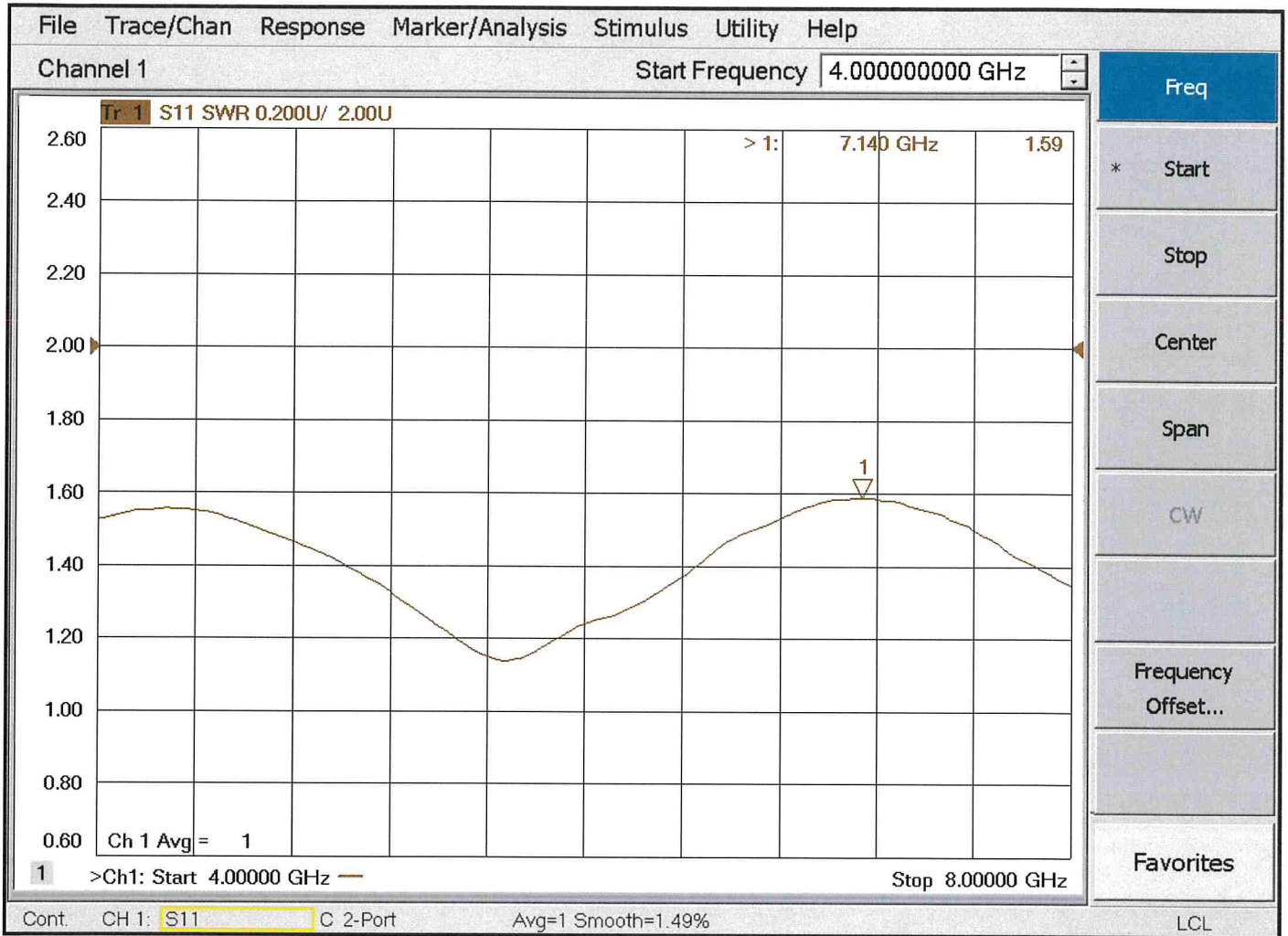
MODEL: GMDA-S4080-60
SERIAL NO: PL40224
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Frequency			-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
4 GHz	INTERCEPT (mV)	1501	109	252	378	490	629	763	886	1010	1127	1240	1377	1515	1602	Measured Value (mV)
	SLOPE (mV/dB)	25	-16	2	3	-10	4	13	11	10	2	-10	2	14	-24	Error (mV)
	LIN. ERR. (dB)	0.9	-0.63	0.08	0.12	-0.40	0.16	0.51	0.43	0.39	0.07	-0.42	0.06	0.58	-0.94	LINEARITY ERROR (dB)
5 GHz	INTERCEPT (mV)	1495	136	275	390	507	642	762	873	1002	1126	1243	1377	1514	1601	Measured Value (mV)
	SLOPE (mV/dB)	24.6	-8	8	1	-5	7	4	-8	-1	0	-6	5	19	-16	Error (mV)
	LIN. ERR. (dB)	0.79	-0.32	0.34	0.02	-0.21	0.28	0.17	-0.31	-0.06	-0.01	-0.24	0.21	0.79	-0.67	LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV)	1498	149	288	399	520	651	766	876	1005	1133	1252	1383	1520	1603	Measured Value (mV)
	SLOPE (mV/dB)	24.4	-7	10	-1	-2	7	0	-12	-5	1	-2	7	22	-18	Error (mV)
	LIN. ERR. (dB)	0.88	-0.27	0.42	-0.03	-0.07	0.29	0.00	-0.49	-0.21	0.03	-0.10	0.27	0.88	-0.72	LINEARITY ERROR (dB)
7 GHz	INTERCEPT (mV)	1496	109	256	381	490	627	751	860	992	1124	1243	1377	1516	1603	Measured Value (mV)
	SLOPE (mV/dB)	25	-13	9	9	-7	5	4	-11	-4	3	-3	6	20	-18	Error (mV)
	LIN. ERR. (dB)	0.79	-0.51	0.37	0.37	-0.26	0.22	0.18	-0.46	-0.18	0.11	-0.13	0.23	0.79	-0.73	LINEARITY ERROR (dB)
8 GHz	INTERCEPT (mV)	1491	99	249	379	484	620	742	848	984	1119	1238	1371	1510	1601	Measured Value (mV)
	SLOPE (mV/dB)	25	-15	10	15	-5	5	2	-17	-6	4	-3	5	19	-15	Error (mV)
	LIN. ERR. (dB)	0.76	-0.59	0.40	0.59	-0.21	0.22	0.09	-0.68	-0.24	0.15	-0.10	0.21	0.76	-0.60	LINEARITY ERROR (dB)
Avg. Slope: 24.8 mV/dB			1	0.8	0.4	0.7	0.6	0.5	0.8	0.5	0.3	0.3	0.2	0.2	0	Flatness dB: ±1 dB

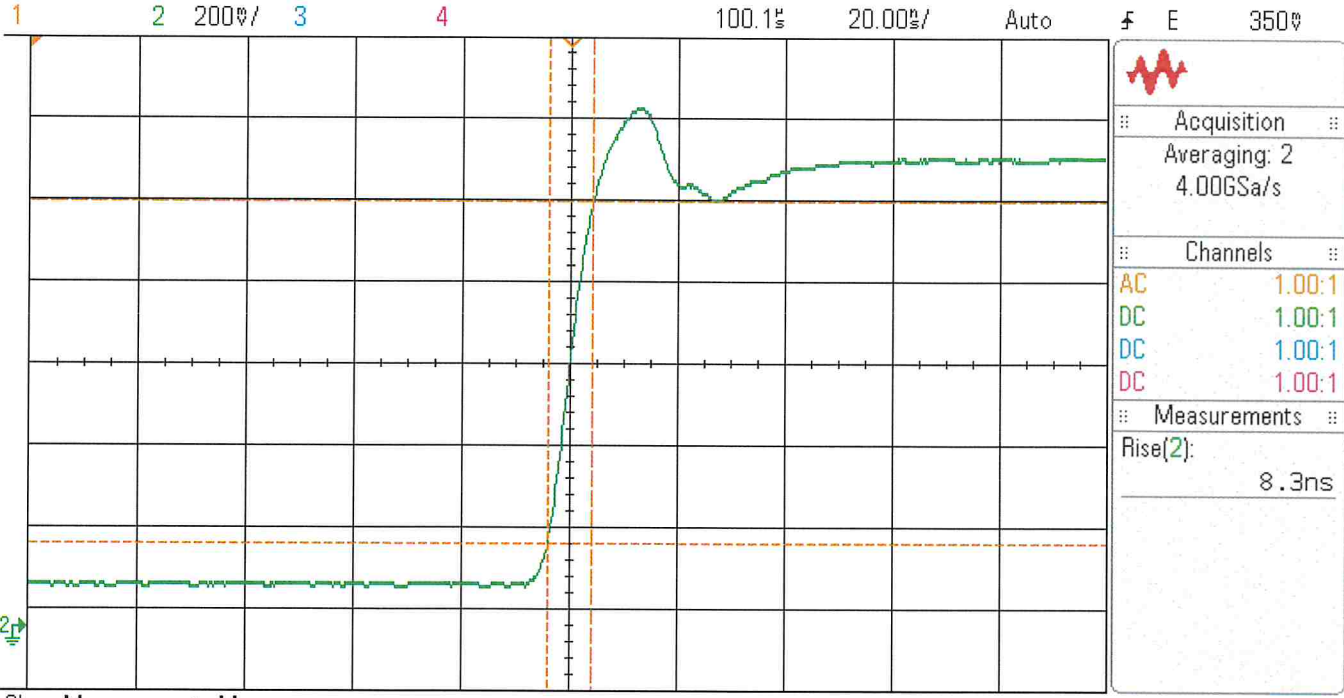


VSWR



Rise Time

DSO-X 3024A, MY54490369: Mon May 15 14:44:57 2023

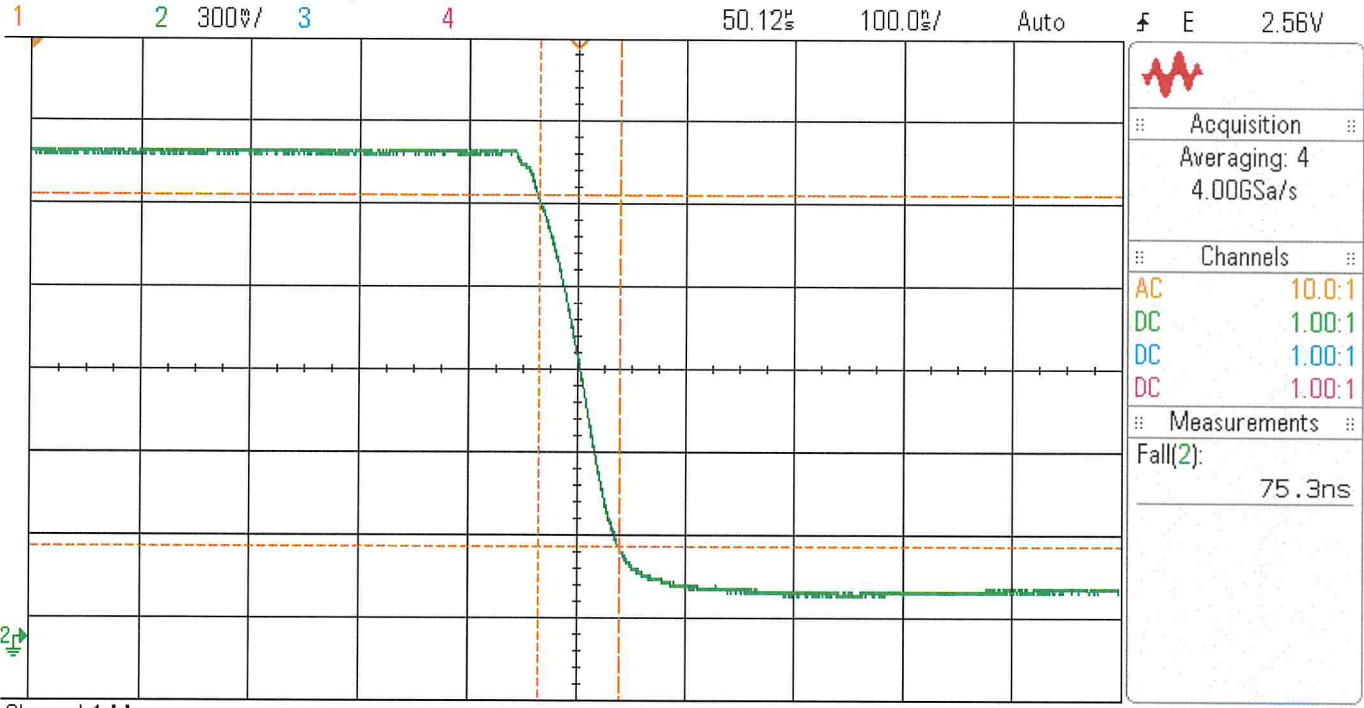


Clear Measurements Menu

Clear Meas 1 Rise(2)	Clear Meas 2 <None>	Clear Meas 3 <None>	Clear Meas 4 <None>	Clear All
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Fall Time

DSO-X 3024A, MY54490369: Mon May 15 15:33:14 2023



Channel 1 Menu

Coupling AC
 BW Limit
 Fine
 Invert
 Probe

TSS @ -67 dBm

DSO-X 3024A, MY54490369: Mon May 15 17:29:26 2023

