

Quantic[™] PMI PLANAR MONOLITHICS SUMMARY TEST DATA

ON SDLVA-2020-70-OPT218-A03-A07-50OHM

PL39985/2441

Customer: _____ Tested By: J. Emperador
 SO No: _____ Temperature: +25°C
 Model No: SDLVA-2020-70 OPT218 A03 A07-50OHM Date: 04/06/23
 Serial No: PL39985/2441 Drawing No: 27644140 Rev: A1

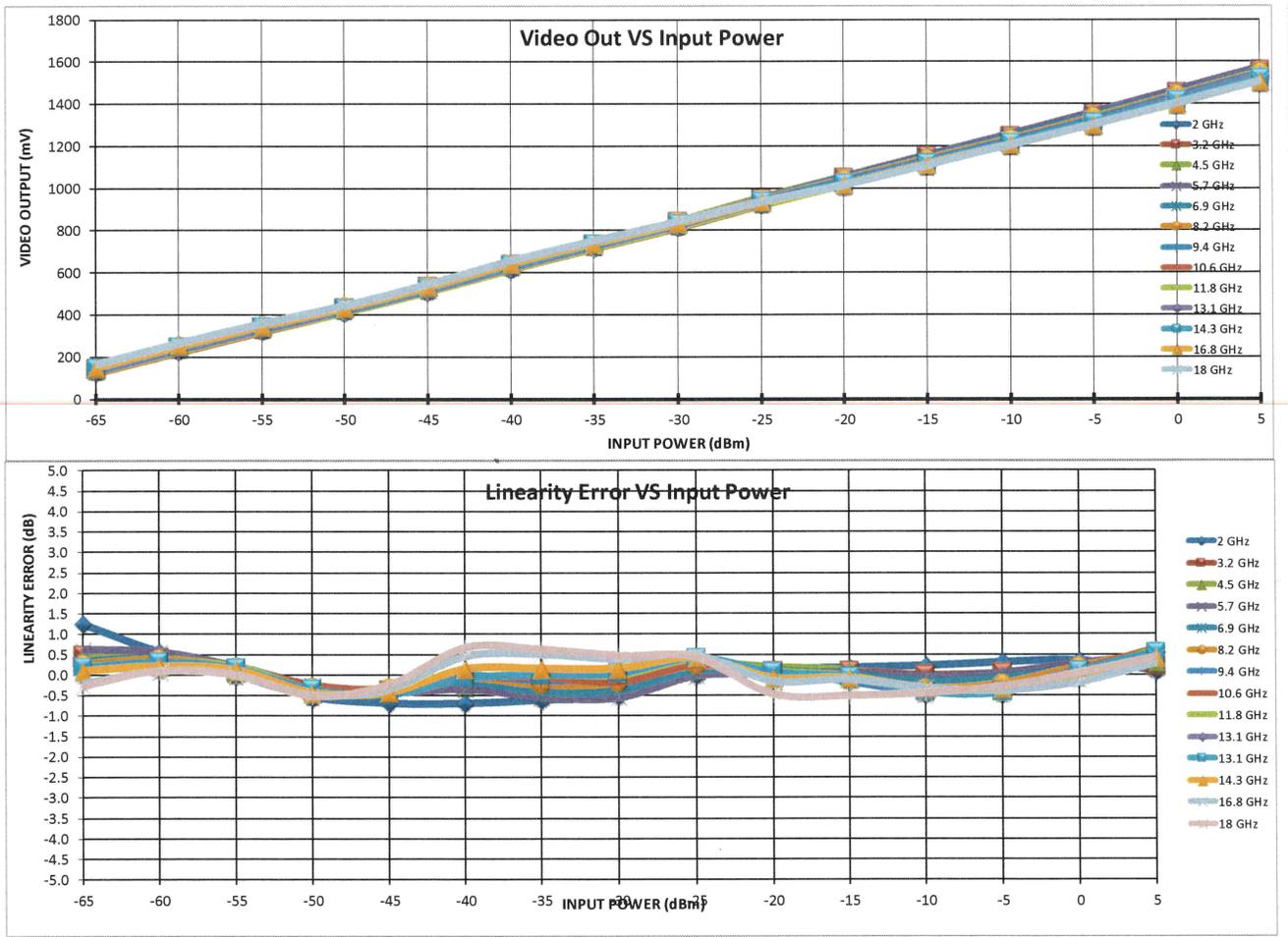
TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	2.0GHz to 18.0GHz	0.5GHz to 18.0GHz See Plot	PMI QA3
2	Frequency Flatness:	±2.0dB Typ (0.5GHz to 18.0GHz)	±1.7 dB See Plot	
3	TSS:	-65dBm Min (8.0 to 18.0GHz)	-66.0 dBm See Plot	
4	VSWR:	3.0:1 (0.5 to 18.0GHz @ -20dBm)	In 1.8 :1 See Plot	
5	Logging Range	-65 dBm to +5 dBm	>-65 to +5 dBm See Plot	
6	Log Linearity	±1.75dB Max (-65 dBm to +5 dBm)	1.25 dB See Plot	
7	Log Slope	20mV/dB (±10% Tolerance)	19.9 mV/dB See Plot	
8	Log Temperature Stability:	±1.75dB (0°C to 60°C)	± 1.15 dB See Plot	
9	Rise Time (10% to 90%):	20ns Max	11.0 ns See Plot	
10	Recover Time:	200ns Max (-65 dBm to +5 dBm)	185 ns See Plot	
11	Output Power:	+10dBm ±2.5dB Typ	12.7 dBm See Plot	
12	Output Video Load:	50Ω ±10% or as desired	Pass	
13	Power Supply:	+15V @ 600mA Max -15V @ 200mA Max	510 mA 90 mA	

QA/QC Approval: *B. Klamm* Date: 10-8-24

LOGGING CHARACTERISTICS @+25C

LOG TRANSFER VS FREQUENCY		Thursday, April 6, 2023																RF Input Power (dBm)	
MODEL: SDLVA-2020-70-OPT218-A03-A07-50OHM		Test Temp: +25C																Measured Value (mV)	
TESTED BY: J.Emperador																		Error (mV)	
DATE: 04/05/23																		LINEARITY ERROR (dB)	
SERIAL NO: PL39985																		LINEARITY ERROR (dB)	
		PLANAR MONOLITHICS INDUSTRIES																Measured Value (mV)	
		7311-F GROVE ROAD, FREDERICK, MD 21704 USA																Error (mV)	
		TEL: 301-662-5019 FAX: 301-662-1731																LINEARITY ERROR (dB)	
		URL: WWW.PMI-RF.COM																Measured Value (mV)	
		EMAIL: SALES@PMI-RF.COM																Error (mV)	
																		LINEARITY ERROR (dB)	
Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)		
2 GHz	INTERCEPT (mV)	1452																	Measured Value (mV)
	SLOPE (mV/dB)	20.4																	Error (mV)
			149	237	328	419	518	620	724	828	941	1046	1149	1252	1356	1459	1556	LINEARITY ERROR (dB)	
			26	11	0	-11	-14	-14	-13	-11	0	3	4	4	6	7	2	Measured Value (mV)	
			1.25	0.56	0.01	-0.54	-0.70	-0.70	-0.62	-0.53	0.00	0.14	0.18	0.22	0.30	0.34	0.09	Error (mV)	
																		LINEARITY ERROR (dB)	
3.2 GHz	INTERCEPT (mV)	1451																	Measured Value (mV)
	SLOPE (mV/dB)	20.2																	Error (mV)
			147	247	341	433	534	638	737	838	948	1049	1160	1249	1351	1454	1556	LINEARITY ERROR (dB)	
			10	9	2	-8	-8	-5	-7	-7	2	2	2	0	1	3	4	Measured Value (mV)	
			0.48	0.43	0.08	-0.37	-0.38	-0.23	-0.33	-0.34	0.11	0.10	0.10	0.00	0.04	0.14	0.18	Error (mV)	
																		LINEARITY ERROR (dB)	
4.5 GHz	INTERCEPT (mV)	1459																	Measured Value (mV)
	SLOPE (mV/dB)	20.3																	Error (mV)
			148	248	343	436	536	641	740	844	956	1056	1156	1252	1355	1462	1566	LINEARITY ERROR (dB)	
			10	8	2	-7	-9	-5	-8	-5	5	4	2	-4	-2	3	6	Measured Value (mV)	
			0.48	0.40	0.08	-0.34	-0.42	-0.25	-0.38	-0.26	0.25	0.18	0.10	-0.17	-0.10	0.16	0.28	Error (mV)	
																		LINEARITY ERROR (dB)	
5.7 GHz	INTERCEPT (mV)	1462																	Measured Value (mV)
	SLOPE (mV/dB)	20.4																	Error (mV)
			147	248	343	435	534	638	736	838	951	1054	1157	1257	1361	1468	1574	LINEARITY ERROR (dB)	
			13	12	4	-6	-9	-7	-11	-11	-1	0	1	-1	1	6	10	Measured Value (mV)	
			0.62	0.56	0.21	-0.28	-0.44	-0.35	-0.55	-0.56	-0.03	0.01	0.06	-0.05	0.04	0.28	0.47	Error (mV)	
																		LINEARITY ERROR (dB)	
6.9 GHz	INTERCEPT (mV)	1445																	Measured Value (mV)
	SLOPE (mV/dB)	20																	Error (mV)
			149	251	347	438	536	640	735	836	946	1046	1144	1241	1343	1448	1553	LINEARITY ERROR (dB)	
			7	9	4	-5	-7	-3	-8	-8	2	2	0	-3	-1	3	8	Measured Value (mV)	
			0.33	0.43	0.22	-0.24	-0.35	-0.16	-0.42	-0.38	0.11	0.11	0.00	-0.16	-0.07	0.17	0.41	Error (mV)	
																		LINEARITY ERROR (dB)	
8.2 GHz	INTERCEPT (mV)	1440																	Measured Value (mV)
	SLOPE (mV/dB)	19.9																	Error (mV)
			149	251	347	437	536	641	737	838	946	1042	1139	1234	1336	1444	1551	LINEARITY ERROR (dB)	
			5	8	4	-6	-7	-1	-5	-4	4	1	-2	-7	-5	4	11	Measured Value (mV)	
			0.26	0.38	0.19	-0.30	-0.33	-0.07	-0.26	-0.19	0.22	0.03	-0.10	-0.34	-0.23	0.19	0.55	Error (mV)	
																		LINEARITY ERROR (dB)	
9.4 GHz	INTERCEPT (mV)	1431																	Measured Value (mV)
	SLOPE (mV/dB)	19.9																	Error (mV)
			143	245	341	432	530	636	733	834	941	1035	1130	1224	1325	1434	1543	LINEARITY ERROR (dB)	
			4	6	3	-6	-7	0	-3	-1	7	1	-3	-9	-7	3	12	Measured Value (mV)	
			0.18	0.31	0.14	-0.28	-0.35	-0.01	-0.13	-0.05	0.33	0.06	-0.16	-0.43	-0.35	0.13	0.62	Error (mV)	
																		LINEARITY ERROR (dB)	
10.6 GHz	INTERCEPT (mV)	1411																	Measured Value (mV)
	SLOPE (mV/dB)	19.9																	Error (mV)
			124	224	321	412	509	614	714	811	919	1015	1111	1204	1304	1413	1523	LINEARITY ERROR (dB)	
			5	6	3	-5	-7	-2	-1	-4	5	2	-2	-8	-7	2	13	Measured Value (mV)	
			0.25	0.29	0.17	-0.25	-0.37	-0.09	-0.06	-0.18	0.26	0.09	-0.08	-0.40	-0.37	0.11	0.65	Error (mV)	
																		LINEARITY ERROR (dB)	
11.8 GHz	INTERCEPT (mV)	1410																	Measured Value (mV)
	SLOPE (mV/dB)	19.8																	Error (mV)
			125	226	323	411	508	615	716	815	922	1015	1112	1204	1303	1411	1521	LINEARITY ERROR (dB)	
			4	6	4	-7	-10	-2	0	0	8	1	-1	-8	-8	1	12	Measured Value (mV)	
			0.21	0.30	0.19	-0.37	-0.48	-0.09	0.00	-0.01	0.39	0.08	-0.03	-0.40	-0.41	0.04	0.58	Error (mV)	
																		LINEARITY ERROR (dB)	
13.1 GHz	INTERCEPT (mV)	1420																	Measured Value (mV)
	SLOPE (mV/dB)	19.9																	Error (mV)
			133	235	331	420	517	624	725	826	932	1024	1121	1213	1312	1422	1530	LINEARITY ERROR (dB)	
			4	6	3	-7	-9	-2	0	1	8	1	-1	-8	-9	2	11	Measured Value (mV)	
			0.18	0.32	0.16	-0.36	-0.48	-0.09	0.00	0.04	0.43	0.06	-0.05	-0.42	-0.44	0.10	0.54	Error (mV)	
																		LINEARITY ERROR (dB)	
14.3 GHz	INTERCEPT (mV)	1415																	Measured Value (mV)
	SLOPE (mV/dB)	19.6																	Error (mV)
			145	245	341	428	526	635	733	831	934	1022	1120	1213	1311	1415	1521	LINEARITY ERROR (dB)	
			2	4	2	-9	-8	3	3	8	-2	-2	-6	-6	0	8	Measured Value (mV)		
			0.10	0.21	0.12	-0.44	-0.43	0.14	0.15	0.15	0.42	-0.09	-0.08	-0.33	-0.32	-0.01	0.41	Error (mV)	
																		LINEARITY ERROR (dB)	
16.8 GHz	INTERCEPT (mV)	1405																	Measured Value (mV)
	SLOPE (mV/dB)	19.2																	Error (mV)
			152	254	348	435	534	645	742	836	934	1018	1115	1207	1302	1402	1507	LINEARITY ERROR (dB)	
			-4	2	0	-9	-6	8	9	7	9	-3	-2	-6	-7	-3	5	Measured Value (mV)	
			-0.20	0.10	-0.01	-0.48	-0.33	0.44	0.49	0.38	0.48	-0.15	-0.11	-0.32	-0.38	-0.18	0.28	Error (mV)	
																		LINEARITY ERROR (dB)	
18 GHz	INTERCEPT (mV)	1403																	Measured Value (mV)
	SLOPE (mV/dB)	19																	Error (mV)
			165	267	360	445	545	657	751	843	937	1015	1109	1205	1303	1404	1506	LINEARITY ERROR (dB)	
			-5	2	0	-10	-5	13	12	9	8	-9	-10	-9	-5	1	8	Measured Value (mV)	
			-0.27	0.10	0.01	-0.51	-0.24	0.66	0.62	0.47	0.42	-0.47	-0.51	-0.45	-0.28	0.04	0.42	Error (mV)	
																		LINEARITY ERROR (dB)	
Flatness			1	1.1	1	0.9	0.9	1.1	0.9	0.8	0.9	1	1.2	1.3	1.5	1.7	1.7		
	Linearity Max.(dB)=	1.25																	
	Linearity Min.(dB)=	-0.70																	
	Average Slope (mV/dB)	19.9																	

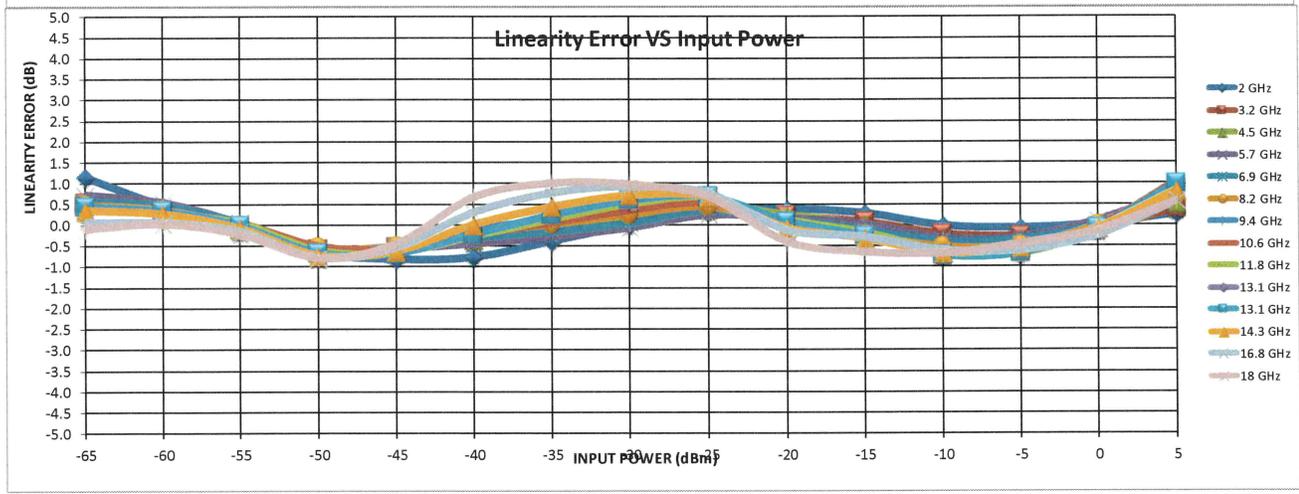
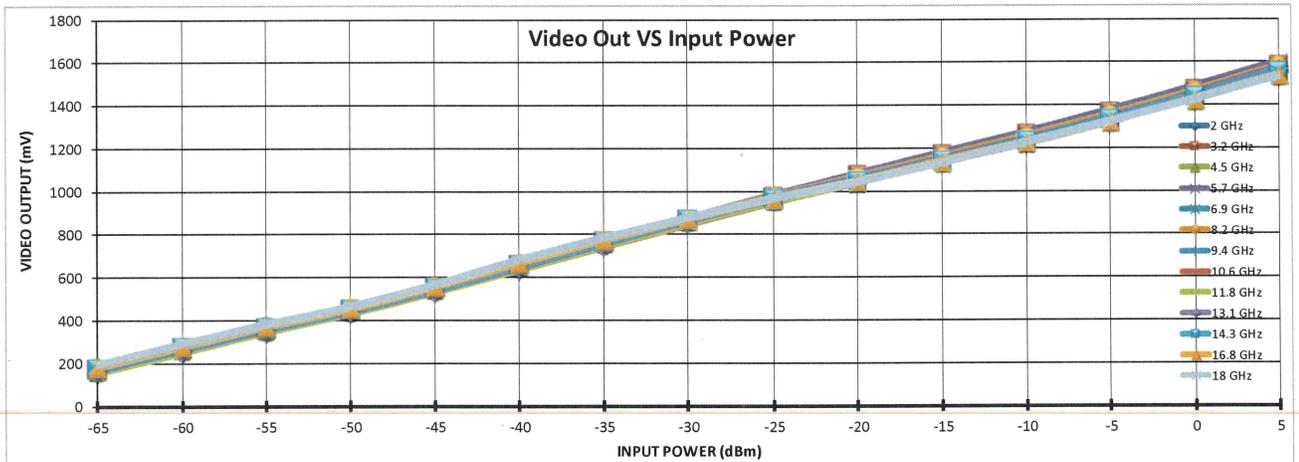
LOGGING CHARACTERISTICS @25C



LOGGING CHARACTERISTICS @ 0C

LOG TRANSFER VS FREQUENCY		Thursday, April 6, 2023														RF Input Power (dBm)		
MODEL: SDLVA-2020-70-OPT218-A03-A07-50OHM		Test Temp: +0C														Measured Value (mV)		
TESTED BY: J.Emperador		PLANAR MONOLITHICS INDUSTRIES														Error (mV)		
DATE: 04/05/23		7311-F GROVE ROAD, FREDERICK, MD 21704 USA														LINEARITY ERROR (dB)		
SERIAL NO: PL39985		TEL: 301-662-5019 FAX: 301-662-1731														Measured Value (mV)		
Frequency		URL: WWW.PMI-RF.COM														Error (mV)		
		EMAIL: SALES@PMI-RF.COM														LINEARITY ERROR (dB)		
		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5		
2 GHz	INTERCEPT (mV)	1471														Measured Value (mV)		
	SLOPE (mV/dB)	20.4														Error (mV)		
		167	255	346	436	535	638	748	858	967	1070	1170	1266	1367	1471	1578	LINEARITY ERROR (dB)	
	24	9	-2	-14	-17	-16	-8	0	7	8	6	-1	-2	0	5			
		1.15	0.46	-0.08	-0.67	-0.83	-0.78	-0.39	-0.01	0.33	0.38	0.27	-0.02	-0.08	0.02	0.26		
3.2 GHz	INTERCEPT (mV)	1472														Measured Value (mV)		
	SLOPE (mV/dB)	20.2														Error (mV)		
		172	269	361	452	554	659	766	871	976	1073	1171	1266	1366	1470	1581	LINEARITY ERROR (dB)	
	11	7	-2	-12	-11	-6	0	4	8	4	1	-5	-5	-2	8			
		0.54	0.35	-0.09	-0.58	-0.52	-0.32	-0.01	0.19	0.40	0.21	0.06	-0.23	-0.27	-0.11	0.39		
4.5 GHz	INTERCEPT (mV)	1482														Measured Value (mV)		
	SLOPE (mV/dB)	20.3														Error (mV)		
		174	271	363	454	556	662	768	876	983	1080	1177	1272	1373	1482	1594	LINEARITY ERROR (dB)	
	13	8	-1	-12	-12	-7	-3	4	9	5	0	-7	-7	0	11			
		0.63	0.40	-0.07	-0.59	-0.57	-0.35	-0.14	0.18	0.45	0.22	0.00	-0.33	-0.36	0.01	0.52		
5.7 GHz	INTERCEPT (mV)	1482														Measured Value (mV)		
	SLOPE (mV/dB)	20.3														Error (mV)		
		174	272	364	454	555	659	764	870	978	1078	1177	1272	1374	1484	1599	LINEARITY ERROR (dB)	
	15	11	1	-11	-11	-9	-6	-2	5	3	0	-7	-6	2	15			
		0.72	0.53	0.05	-0.52	-0.56	-0.45	-0.29	-0.08	0.23	0.14	0.01	-0.32	-0.31	0.10	0.75		
6.9 GHz	INTERCEPT (mV)	1467														Measured Value (mV)		
	SLOPE (mV/dB)	20														Error (mV)		
		177	275	367	455	556	660	763	867	973	1069	1164	1259	1360	1467	1583	LINEARITY ERROR (dB)	
	11	9	1	-11	-10	-5	-3	1	7	2	-3	-8	-7	0	16			
		0.57	0.46	0.06	-0.55	-0.50	-0.31	-0.16	0.03	0.33	0.12	-0.13	-0.39	-0.34	0.00	0.80		
8.2 GHz	INTERCEPT (mV)	1462														Measured Value (mV)		
	SLOPE (mV/dB)	19.9														Error (mV)		
		180	277	369	458	558	664	767	871	974	1065	1159	1263	1353	1462	1580	LINEARITY ERROR (dB)	
	10	7	0	-11	-10	-3	0	5	9	0	-5	-10	-10	0	18			
		0.48	0.36	-0.01	-0.53	-0.50	-0.16	0.02	0.25	0.43	0.01	-0.26	-0.53	-0.49	-0.01	0.93		
9.4 GHz	INTERCEPT (mV)	1455														Measured Value (mV)		
	SLOPE (mV/dB)	19.8														Error (mV)		
		175	271	364	452	553	660	764	869	971	1060	1152	1243	1343	1454	1574	LINEARITY ERROR (dB)	
	9	5	-1	-12	-10	-2	3	9	12	1	-6	-14	-13	-1	20			
		0.43	0.27	-0.04	-0.60	-0.50	-0.11	0.14	0.44	0.58	0.07	-0.29	-0.70	-0.65	-0.05	1.00		
10.6 GHz	INTERCEPT (mV)	1435														Measured Value (mV)		
	SLOPE (mV/dB)	19.8														Error (mV)		
		155	251	345	433	531	637	742	847	950	1041	1133	1224	1323	1434	1555	LINEARITY ERROR (dB)	
	9	6	1	-10	-11	-5	1	7	11	3	-5	-13	-13	-1	21			
		0.47	0.31	0.05	-0.52	-0.58	-0.24	0.06	0.35	0.54	0.13	-0.23	-0.65	-0.66	-0.06	1.04		
11.8 GHz	INTERCEPT (mV)	1434														Measured Value (mV)		
	SLOPE (mV/dB)	19.8														Error (mV)		
		157	253	347	433	531	638	745	851	953	1041	1134	1224	1322	1432	1552	LINEARITY ERROR (dB)	
	9	6	1	-12	-13	-5	3	10	13	2	-4	-13	-14	-2	19			
		0.44	0.29	0.04	-0.61	-0.66	-0.25	0.15	0.51	0.67	0.11	-0.19	-0.64	-0.68	-0.12	0.94		
13.1 GHz	INTERCEPT (mV)	1445														Measured Value (mV)		
	SLOPE (mV/dB)	19.8														Error (mV)		
		166	263	355	441	540	648	756	862	963	1050	1142	1232	1332	1443	1563	LINEARITY ERROR (dB)	
	9	7	0	-13	-13	-4	5	12	14	2	-5	-14	-13	-2	19			
		0.44	0.34	-0.02	-0.67	-0.67	-0.22	0.23	0.59	0.69	0.08	-0.28	-0.73	-0.68	-0.08	0.98		
14.3 GHz	INTERCEPT (mV)	1441														Measured Value (mV)		
	SLOPE (mV/dB)	19.5														Error (mV)		
		177	273	364	449	549	659	765	868	965	1048	1141	1232	1332	1439	1554	LINEARITY ERROR (dB)	
	7	5	-2	-14	-12	0	8	14	13	-2	-5	-13	-11	-2	16			
		0.34	0.25	-0.09	-0.74	-0.62	0.01	0.43	0.70	0.66	-0.09	-0.33	-0.68	-0.56	-0.08	0.80		
16.8 GHz	INTERCEPT (mV)	1431														Measured Value (mV)		
	SLOPE (mV/dB)	19.2														Error (mV)		
		183	279	371	455	556	668	773	872	965	1044	1137	1227	1323	1426	1538	LINEARITY ERROR (dB)	
	1	1	-3	-15	-10	6	15	18	14	-3	-6	-12	-12	-5	11			
		0.06	0.05	-0.16	-0.79	-0.53	0.30	0.76	0.91	0.75	-0.14	-0.30	-0.61	-0.62	-0.26	0.57		
18 GHz	INTERCEPT (mV)	1427														Measured Value (mV)		
	SLOPE (mV/dB)	18.9														Error (mV)		
		195	292	382	466	567	683	784	878	967	1041	1131	1225	1324	1425	1533	LINEARITY ERROR (dB)	
	-2	0	-4	-15	-9	13	19	18	13	-8	-12	-13	-9	-2	11			
		-0.11	0.02	-0.23	-0.79	-0.45	0.67	1.01	0.98	0.68	-0.41	-0.66	-0.69	-0.46	-0.13	0.58		
Flatness		1	1	0.9	0.8	0.9	1.2	1.1	0.8	0.8	1	1.2	1.2	1.3	1.5	1.7		
Linearity Max.(dB)		1.15																
Linearity Min.(dB)		-0.83																
Average Slope (mV/dB)		19.9																

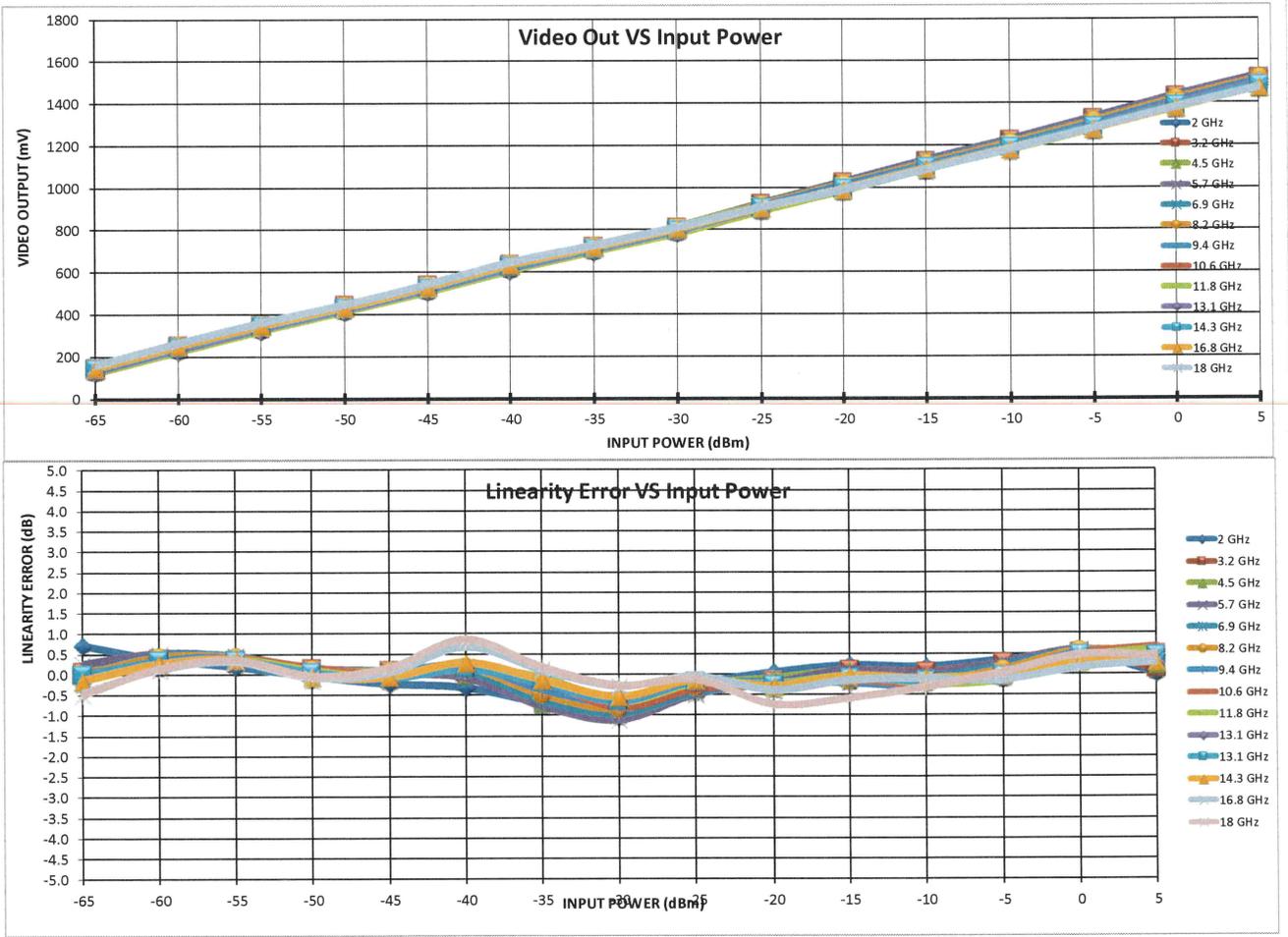
LOGGING CHARACTERISTICS @ 0C



LOGGING CHARACTERISTICS @ +60C

LOG TRANSFER VS FREQUENCY		Thursday, April 6, 2023														RF Input Power (dBm)																														
MODEL: SDLVA-2020-70-OPT218-A03-A07-50OHM		Test Temp: +60C																																												
TESTED BY: J.Emperador																																														
DATE: 04/05/23																																														
SERIAL NO: PL39985																																														
Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)																											
2 GHz	INTERCEPT (mV)	1413														144		236		331		425		520		617		708		801		914		1019		1121		1219		1321		1423		1512		
	SLOPE (mV/dB)	19.7														14		7		4		-1		-5		-6		-14		-20		-5		1		4		3		7		10		0		
																0.72		0.38		0.19		-0.05		-0.23		-0.32		-0.71		-1.00		-0.28		0.04		0.21		0.17		0.34		0.51		0.02		
3.2 GHz	INTERCEPT (mV)	1417														146		250		347		441		538		635		720		811		920		1022		1125		1222		1324		1427		1517		
	SLOPE (mV/dB)	19.6														1		8		7		3		2		1		0		-12		-19		-8		-3		2		1		5		10		2
																0.07		0.39		0.34		0.14		0.10		0.05		-0.60		-0.95		-0.38		-0.17		0.09		0.04		0.26		0.52		0.12		
4.5 GHz	INTERCEPT (mV)	1424														146		250		348		441		538		636		721		815		926		1028		1130		1226		1329		1436		1527		
	SLOPE (mV/dB)	19.7														3		8		8		2		1		0		-14		-18		-6		-2		1		-1		3		11		4		
																0.13		0.41		0.38		0.10		0.03		0.00		-0.69		-0.92		-0.28		-0.11		0.07		-0.06		0.17		0.55		0.22		
5.7 GHz	INTERCEPT (mV)	1424														146		260		347		440		536		633		718		810		921		1025		1130		1227		1331		1436		1530		
	SLOPE (mV/dB)	19.7														5		10		9		3		0		-2		-15		-22		-10		-4		2		0		5		12		7		
																0.25		0.52		0.44		0.15		0.01		-0.08		-0.77		-1.11		-0.49		-0.22		0.09		0.01		0.27		0.59		0.35		
6.9 GHz	INTERCEPT (mV)	1411														149		255		352		443		539		636		719		810		917		1018		1119		1215		1318		1422		1516		
	SLOPE (mV/dB)	19.4														0		9		9		3		2		1		0		-14		-19		-9		-5		-1		-2		4		11		8
																0.01		0.47		0.46		0.15		0.09		0.09		-0.64		-0.95		-0.45		-0.24		-0.04		-0.10		0.20		0.56		0.40		
8.2 GHz	INTERCEPT (mV)	1407														147		252		349		440		536		635		719		809		916		1014		1113		1209		1312		1418		1514		
	SLOPE (mV/dB)	19.4														0		8		8		2		1		3		-10		-17		-6		-5		-3		-4		2		11		10		
																0.00		0.42		0.42		0.11		0.07		0.17		-0.50		-0.85		-0.33		-0.28		-0.17		-0.22		0.09		0.56		0.51		
9.4 GHz	INTERCEPT (mV)	1397														141		245		343		433		529		629		714		804		909		1007		1103		1198		1300		1407		1504		
	SLOPE (mV/dB)	19.3														-1		7		8		1		1		4		-7		-14		-5		-4		-4		-6		0		10		10		
																-0.05		0.34		0.41		0.07		0.05		0.23		-0.37		-0.71		-0.27		-0.20		-0.23		-0.31		-0.02		0.52		0.54		
10.6 GHz	INTERCEPT (mV)	1376														123		224		323		415		508		608		698		782		887		985		1084		1178		1278		1385		1485		
	SLOPE (mV/dB)	19.3														0		5		8		3		0		3		-3		-16		-7		-5		-3		-5		-2		9		13		
																0.02		0.26		0.39		0.16		-0.01		0.17		-0.16		-0.81		-0.36		-0.28		-0.15		-0.27		-0.09		0.46		0.65		
11.8 GHz	INTERCEPT (mV)	1377														123		225		323		414		507		608		700		785		890		986		1086		1179		1277		1384		1484		
	SLOPE (mV/dB)	19.3														0		5		7		2		-2		3		-2		-13		-4		-5		-1		-5		-3		7		11		
																-0.01		0.28		0.36		0.08		-0.10		0.14		-0.09		-0.68		-0.23		-0.25		-0.07		-0.24		-0.16		0.39		0.57		
13.1 GHz	INTERCEPT (mV)	1387														130		233		330		421		515		616		706		794		900		995		1095		1190		1289		1396		1492		
	SLOPE (mV/dB)	19.3														0		6		7		1		-2		3		-4		-13		-3		-5		-2		-4		-1		9		8		
																0.00		0.33		0.35		0.05		-0.09		0.13		-0.21		-0.66		-0.18		-0.27		-0.10		-0.19		-0.07		0.47		0.43		
14.3 GHz	INTERCEPT (mV)	1380														141		244		341		428		523		625		712		799		902		994		1094		1188		1285		1386		1481		
	SLOPE (mV/dB)	19														-3		5		7		-1		-1		6		-2		-11		-3		-6		-1		-2		0		6		6		
																-0.14		0.27		0.37		-0.06		-0.06		0.30		-0.13		-0.55		-0.14		-0.30		-0.05		-0.11		-0.01		0.30		0.30		
16.8 GHz	INTERCEPT (mV)	1371														148		262		349		435		531		636		719		805		903		990		1088		1182		1275		1374		1470		
	SLOPE (mV/dB)	18.7														-8		2		6		-2		1		12		-2		-5		-1		-7		-3		-2		-3		3		5		
																-0.44		0.12		0.31		-0.09		0.05		0.67		0.11		-0.29		-0.05		-0.39		-0.15		-0.12		-0.15		0.15		0.29		
18 GHz	INTERCEPT (mV)	1370														161		265		361		446		542		647		727		811		906		987		1082		1179		1278		1378		1470		
	SLOPE (mV/dB)	18.5														-9		3		6		-1		3		16		3		-5		-2		-14		-11		-6		1		8		8		
																-0.49		0.14		0.35		-0.05		0.15		0.84		0.18		-0.27		-0.12		-0.73		-0.59		-0.33		0.03		0.45		0.44		
Flatness		1														1.1		1		0.8		0.9		1		0.8		0.9		1		1.1		1.2		1.3		1.5		1.6		1.6				
Linearity Max. (dB)																0.84																														
Linearity Min. (dB)																-1.11																														
Average Slope (mV/dB)																19.3																														

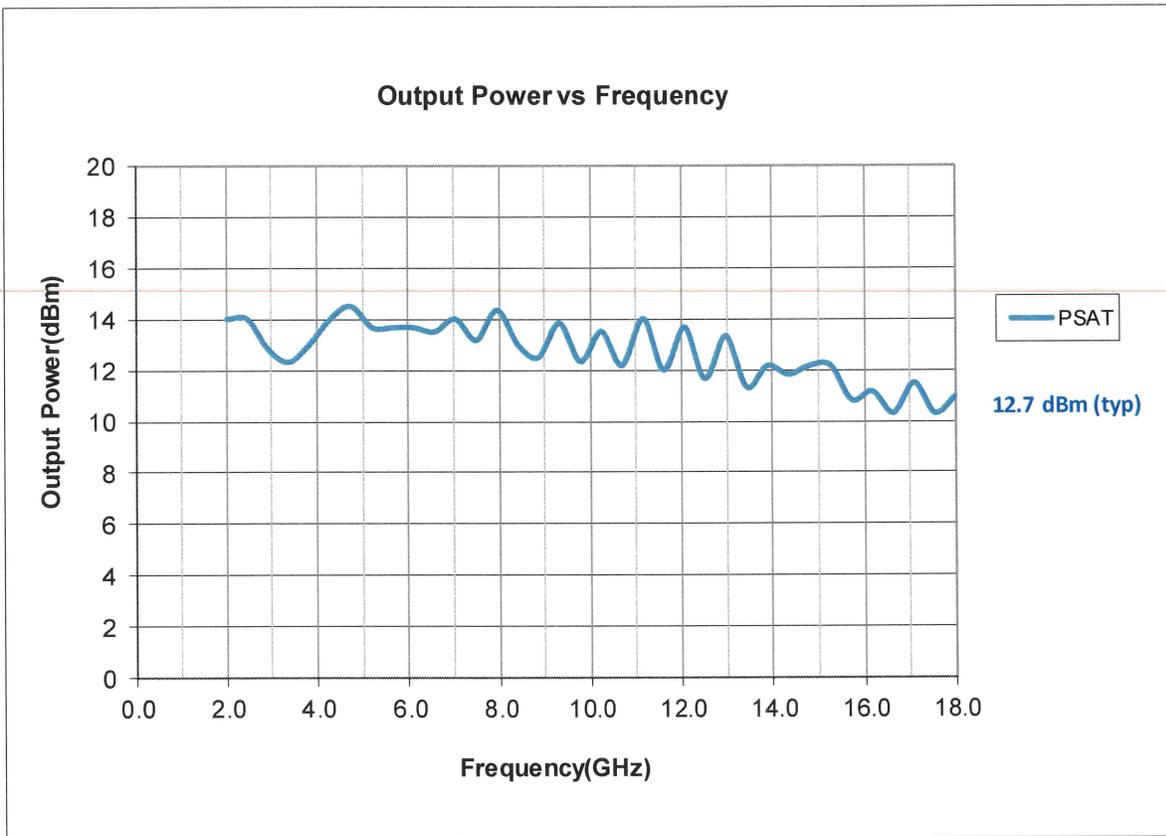
LOGGING CHARACTERISTICS @ +60C



P-Sat

MODEL: SDLVA-2020-70 OPT. 0518, A03, A07-50OHM
TESTED BY: J Emperador
DATE: 4/05/22
SERIAL NO: PL39985

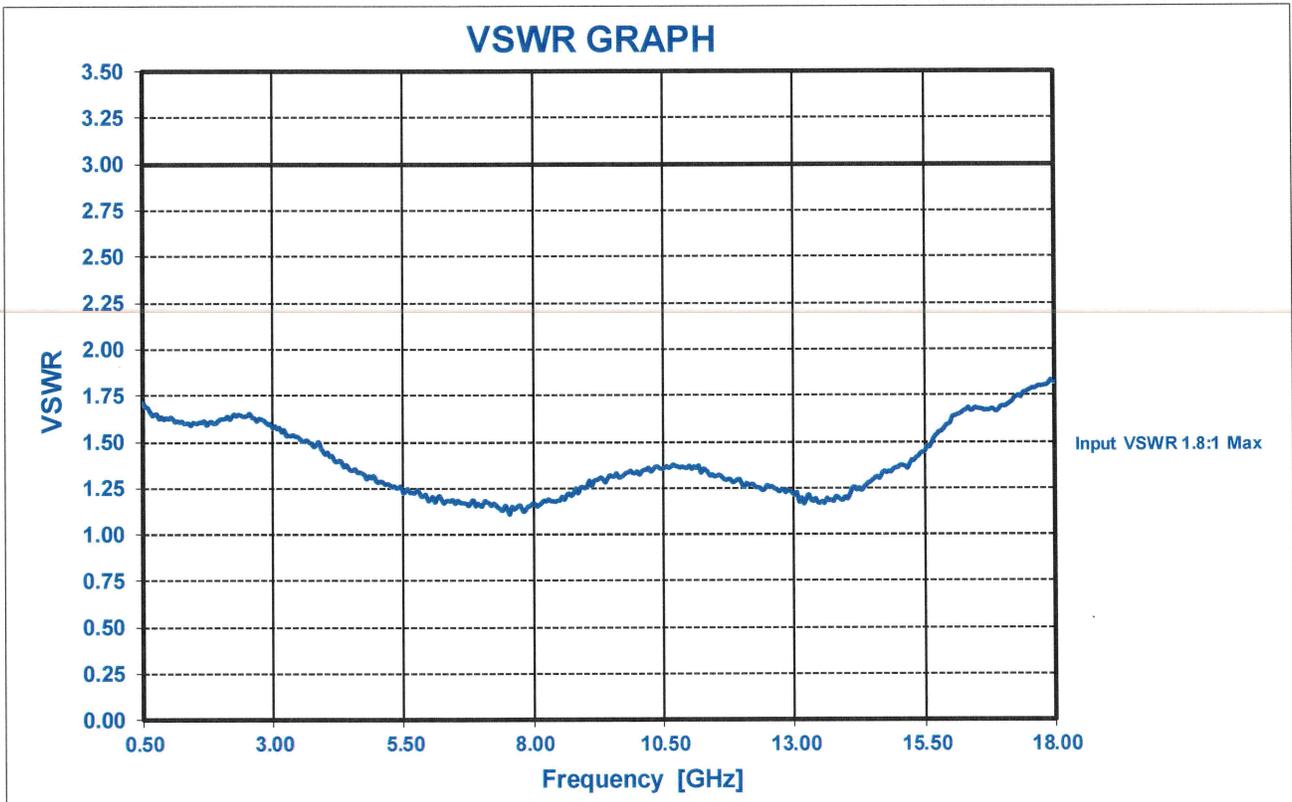
Test Temp: +25°C



INPUT VSWR

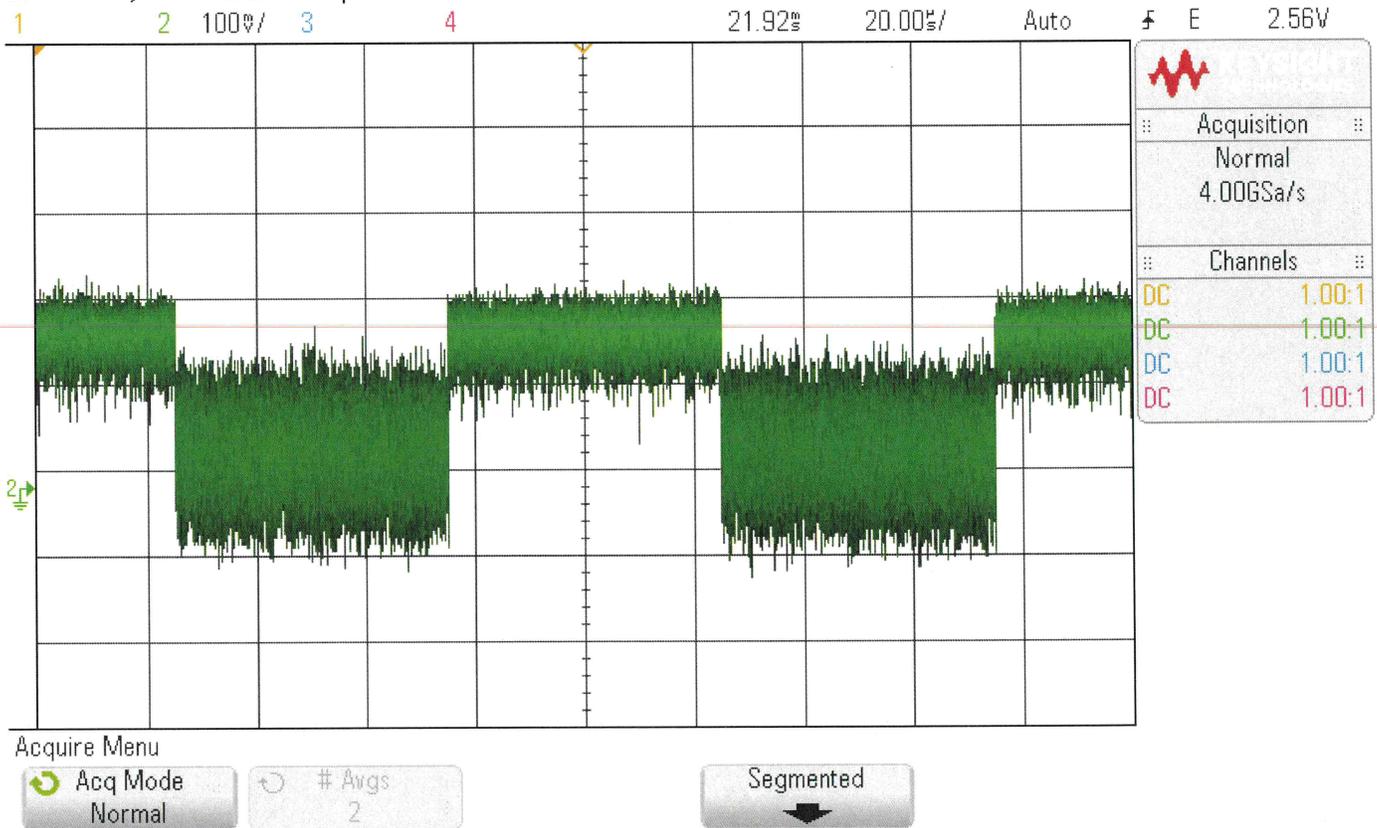
Model Number: SDLVA-2020-70 OPT. 218
Serial Number: PL39985

Temperature: +25C



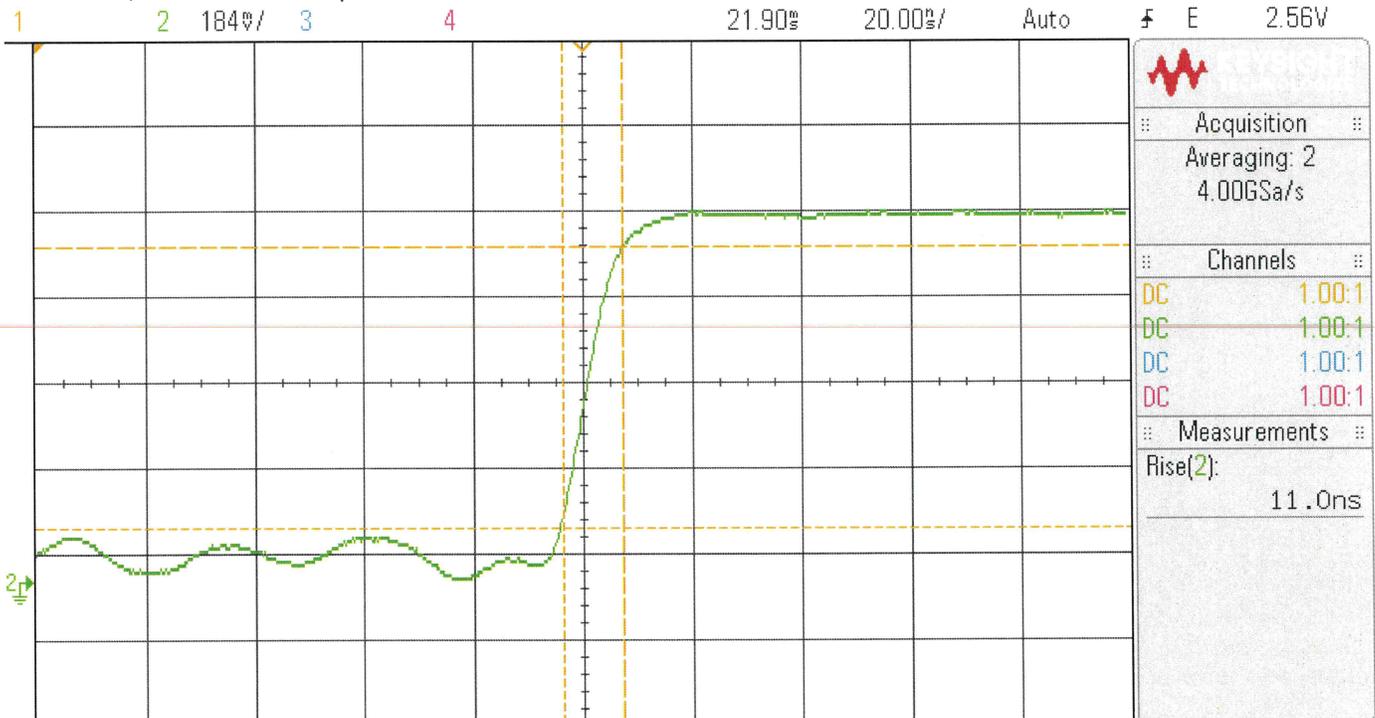
TSS @ -66.0 dBm

DSO-X 3024A, MY54490369, Wed Apr 05 18:13:10 2023



Rise Time @ 11.0 ns

DSO-X 3024A, MY54490369: Wed Apr 05 18:10:16 2023

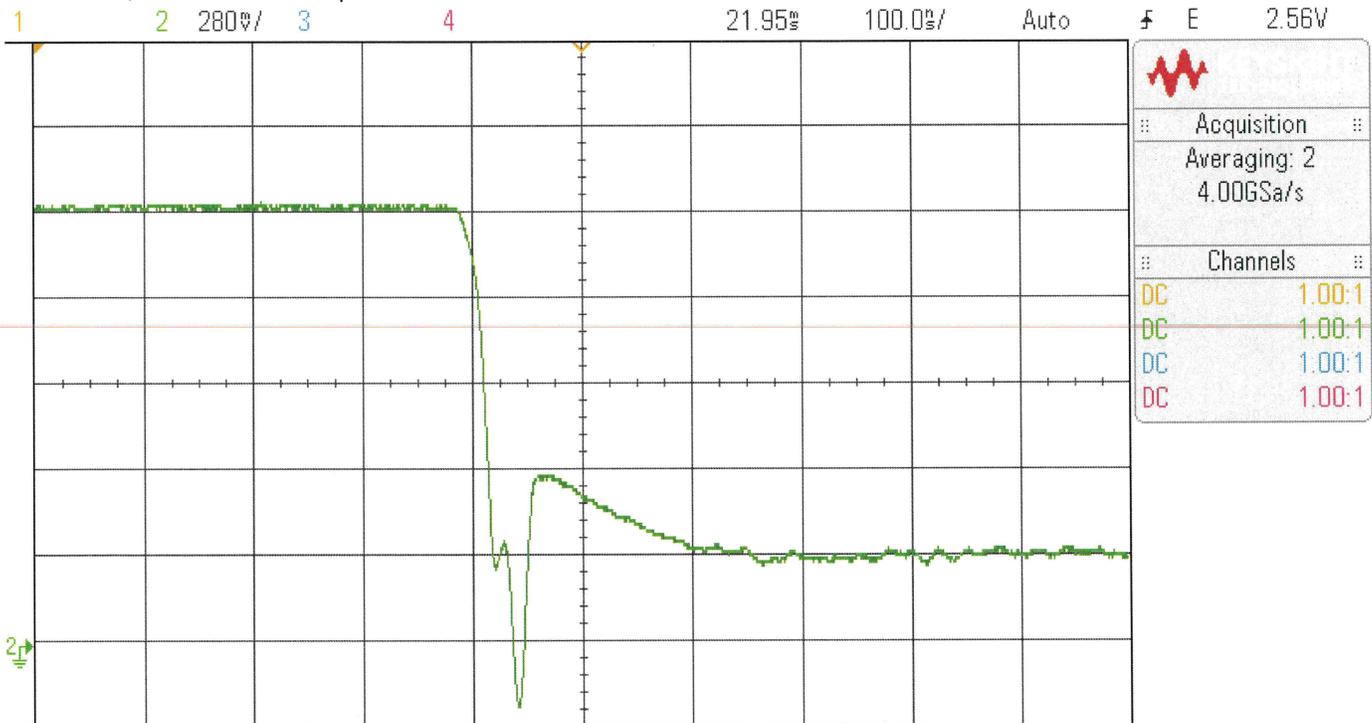


Clear Measurements Menu

Clear Meas 1 Rise(2)	Clear Meas 2 <None>	Clear Meas 3 <None>	Clear Meas 4 <None>	Clear All
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Recovery Time @ 185 ns

DSO-X 3024A, MY54490369: Wed Apr 05 18:11:48 2023



Measurement Menu

Source 2 Type: Rise Add Measurement Settings Clear Meas Statistics