

Quantic™ PMI PLANAR MONOLITHICS SUMMARY TEST DATA

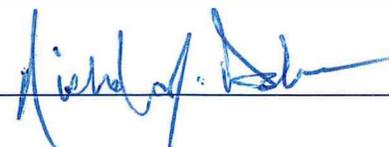
ON

SDLVA-2020-70-OPT218-A03-A07-500HM

PL39983/2314

Customer: _____ Tested By: J. Emperador
 SO No: _____ Temperature: +25°C
 Model No: SDLVA-2020-70 OPT218 A03 A07-500HM Date: 04/06/23
 Serial No: PL39983/2314 Drawing No: 27644140 Rev: A1

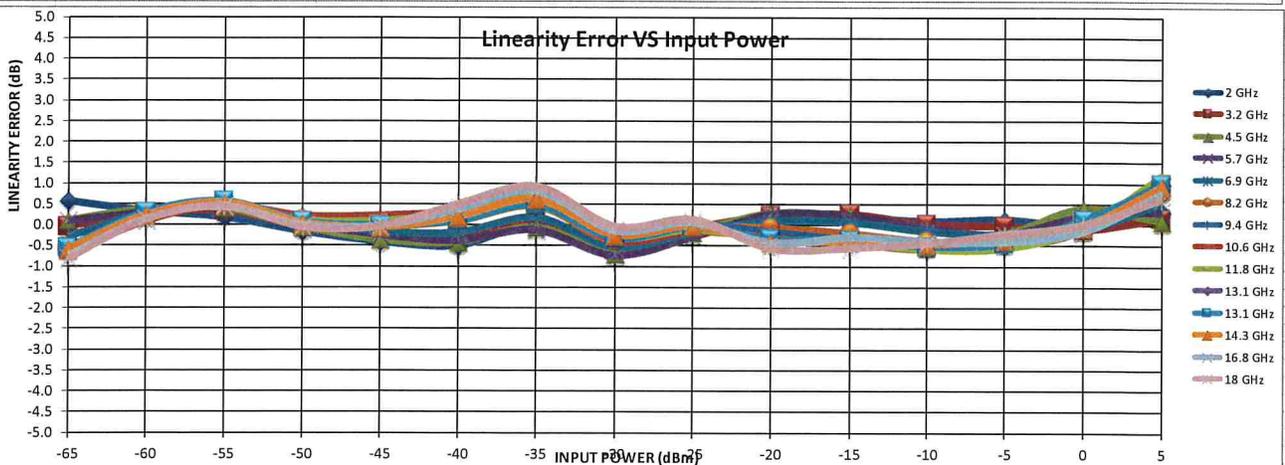
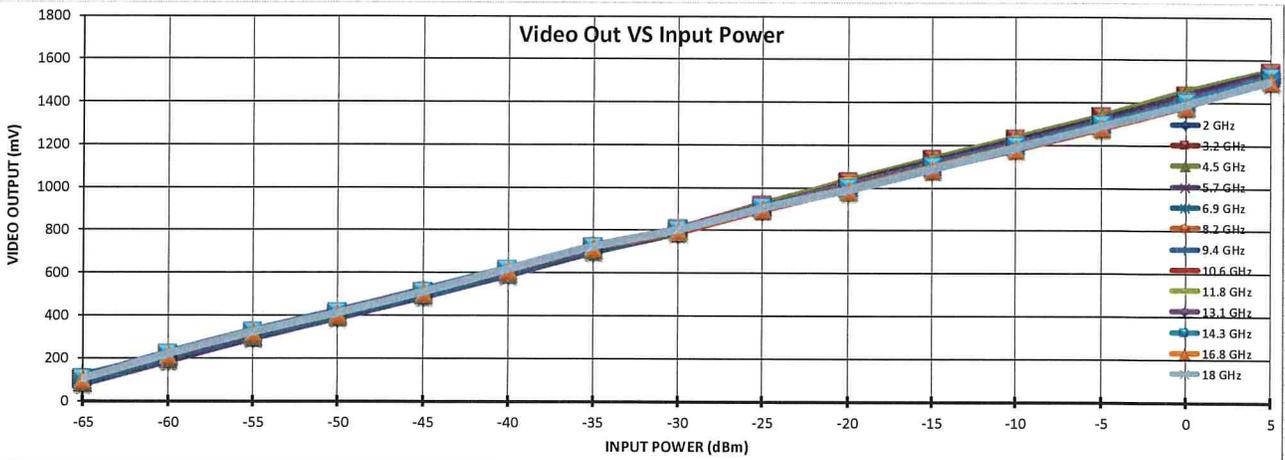
TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	2.0GHz to 18.0GHz	0.5GHz to 18.0GHz See Plot	N/D
2	Frequency Flatness:	±2.0dB Typ (0.5GHz to 18.0GHz)	±1.7 dB See Plot	
3	TSS:	-65dBm Min (8.0 to 18.0GHz)	-65.0 dBm See Plot	
4	VSWR:	3.0:1 (0.5 to 18.0GHz @ -20dBm)	In 2.0 :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)	1.18 dB See Plot	
7	Log Slope	20mV/dB (±10% Tolerance)	20.1 mV/dB See Plot	
8	Log Temperature Stability:	±1.75dB (0°C to 60°C)	± 1.62 dB See Plot	
9	Rise Time (10% to 90%):	20ns Max	12.5 ns See Plot	
10	Recover Time:	200ns Max (-65 dBm to +5 dBm)	180 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:  Date: 4/6/23

LOGGING CHARACTERISTICS @+25C

LOG TRANSFER VS FREQUENCY		Thursday, April 6, 2023														RF Input Power (dBm)	
MODEL: SDLVA-2020-70-OPT218-A03-A07-50OHM																	
TESTED BY: J.Emperador		Test Temp: +25C															
DATE: 04/04/23																	
SERIAL NO: PL39983																	
Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	Measured Value (mV)
2 GHz	INTERCEPT (mV)	118	215	314	409	506	606	718	806	920	1026	1130	1230	1333	1432	1541	Error (mV)
	SLOPE (mV/dB)	12	7	4	-3	-8	-10	0	-14	-2	2	4	2	3	0	7	LINEARITY ERROR (dB)
		0.57	0.33	0.18	-0.16	-0.41	-0.50	-0.01	-0.70	-0.11	0.09	0.19	0.09	0.14	-0.01	0.34	
3.2 GHz	INTERCEPT (mV)	96	205	310	405	504	605	717	805	919	1028	1132	1230	1332	1433	1542	Measured Value (mV)
	SLOPE (mV/dB)	-1	5	7	-1	-5	-7	2	-13	-2	5	6	1	0	-2	4	Error (mV)
		-0.04	0.26	0.36	-0.03	-0.22	-0.32	0.12	-0.61	-0.07	0.22	0.27	0.03	-0.02	-0.11	0.18	LINEARITY ERROR (dB)
4.5 GHz	INTERCEPT (mV)	90	200	305	400	498	601	713	804	919	1033	1136	1234	1336	1453	1551	Measured Value (mV)
	SLOPE (mV/dB)	2	8	9	-1	-7	-8	-1	-14	-4	6	5	-2	-4	9	2	Error (mV)
		0.11	0.38	0.41	-0.04	-0.34	-0.41	-0.04	-0.68	-0.17	0.29	0.23	-0.08	-0.19	0.41	0.11	LINEARITY ERROR (dB)
5.7 GHz	INTERCEPT (mV)	80	186	295	390	488	589	696	789	902	1017	1120	1218	1318	1431	1537	Measured Value (mV)
	SLOPE (mV/dB)	2	6	10	1	-5	-8	-2	-15	-6	6	5	-1	-5	5	7	Error (mV)
		0.10	0.30	0.46	0.04	-0.23	-0.37	-0.11	-0.72	-0.28	0.27	0.23	-0.04	-0.22	0.23	0.34	LINEARITY ERROR (dB)
6.9 GHz	INTERCEPT (mV)	87	200	306	399	496	597	706	793	902	1009	1110	1207	1307	1411	1526	Measured Value (mV)
	SLOPE (mV/dB)	-6	6	10	2	-3	-4	4	-11	-3	2	2	-3	-5	-2	11	Error (mV)
		-0.28	0.28	0.50	0.08	-0.15	-0.18	0.19	-0.53	-0.16	0.11	0.08	-0.15	-0.22	-0.10	0.56	LINEARITY ERROR (dB)
8.2 GHz	INTERCEPT (mV)	103	219	323	416	513	615	722	805	911	1011	1108	1204	1304	1410	1527	Measured Value (mV)
	SLOPE (mV/dB)	-11	5	9	2	0	2	9	-8	-2	-1	-4	-8	-8	-1	16	Error (mV)
		-0.57	0.25	0.46	0.12	-0.02	0.09	0.45	-0.39	-0.08	-0.20	-0.39	-0.38	-0.07	0.79	LINEARITY ERROR (dB)	
9.4 GHz	INTERCEPT (mV)	108	225	329	421	519	620	725	806	911	1006	1101	1196	1296	1402	1521	Measured Value (mV)
	SLOPE (mV/dB)	-15	8	9	3	2	5	11	-6	0	-3	-7	-11	-9	-2	19	Error (mV)
		-0.74	0.20	0.47	0.14	0.11	0.24	0.57	-0.32	0.00	-0.18	-0.36	-0.54	-0.46	-0.08	0.95	LINEARITY ERROR (dB)
10.6 GHz	INTERCEPT (mV)	101	215	320	413	511	611	716	793	895	990	1085	1180	1279	1385	1508	Measured Value (mV)
	SLOPE (mV/dB)	-14	2	9	4	4	7	14	-7	-3	-6	-9	-11	-10	-2	23	Error (mV)
		-0.73	0.09	0.46	0.21	0.22	0.33	0.70	-0.36	-0.15	-0.30	-0.44	-0.58	-0.52	-0.11	1.18	LINEARITY ERROR (dB)
11.8 GHz	INTERCEPT (mV)	104	220	324	415	513	615	721	801	903	997	1094	1189	1288	1396	1519	Measured Value (mV)
	SLOPE (mV/dB)	-13	4	10	2	2	5	13	-6	-2	-7	-8	-11	-11	-1	23	Error (mV)
		-0.68	0.21	0.49	0.11	0.09	0.27	0.65	-0.28	-0.10	-0.33	-0.40	-0.58	-0.55	-0.07	1.18	LINEARITY ERROR (dB)
13.1 GHz	INTERCEPT (mV)	103	220	325	415	513	615	722	806	911	1005	1104	1201	1302	1413	1530	Measured Value (mV)
	SLOPE (mV/dB)	-11	6	11	1	0	2	9	-6	-1	-7	-7	-10	-9	2	20	Error (mV)
		-0.57	0.30	0.56	0.07	-0.01	0.10	0.47	-0.32	-0.05	-0.34	-0.37	-0.51	-0.44	0.12	0.99	LINEARITY ERROR (dB)
14.3 GHz	INTERCEPT (mV)	104	219	324	413	510	614	721	803	906	997	1097	1194	1295	1400	1518	Measured Value (mV)
	SLOPE (mV/dB)	-12	4	11	1	-1	4	12	-5	-1	-8	-7	-9	-7	-1	18	Error (mV)
		-0.60	0.22	0.53	0.03	-0.06	0.20	0.62	-0.24	-0.03	-0.42	-0.36	-0.46	-0.35	-0.04	0.83	LINEARITY ERROR (dB)
16.8 GHz	INTERCEPT (mV)	101	217	321	410	508	614	721	800	902	990	1091	1187	1285	1388	1504	Measured Value (mV)
	SLOPE (mV/dB)	-15	3	9	0	0	8	16	-3	1	-9	-6	-8	-8	-3	15	Error (mV)
		-0.77	0.14	0.44	-0.02	-0.02	0.38	0.84	-0.13	0.07	-0.44	-0.29	-0.40	-0.40	-0.15	0.76	LINEARITY ERROR (dB)
18 GHz	INTERCEPT (mV)	104	220	324	412	510	618	724	803	904	988	1088	1186	1288	1390	1500	Measured Value (mV)
	SLOPE (mV/dB)	-16	2	9	-1	-1	10	18	-1	3	-11	-11	-9	-4	0	12	Error (mV)
		-0.81	0.12	0.45	-0.05	-0.04	0.49	0.92	-0.04	0.13	-0.57	-0.56	-0.44	-0.22	0.00	0.63	LINEARITY ERROR (dB)
Flatness		1	0.9	0.9	0.8	0.8	0.8	0.7	0.4	0.6	1.1	1.3	1.4	1.4	1.7	1.3	
Linearity Max (dB)		1.18															
Linearity Min (dB)		-0.81															
Average Slope (mV/dB)		20.1															

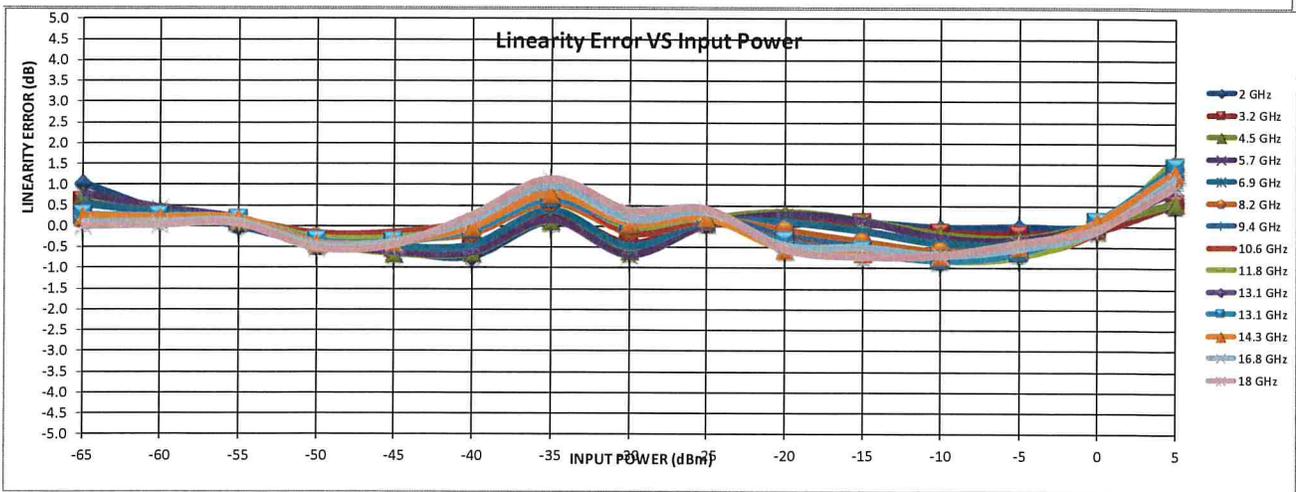
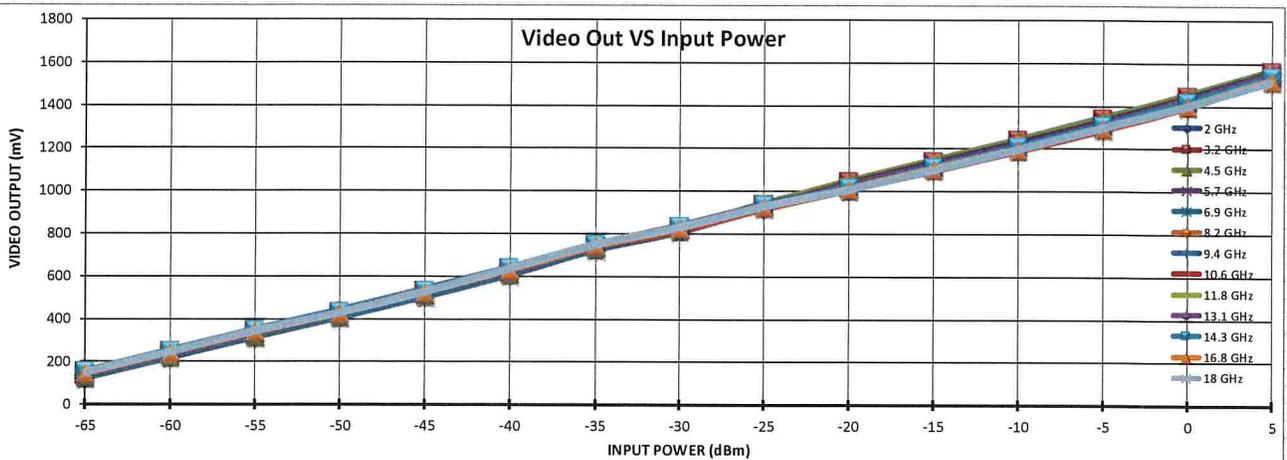
LOGGING CHARACTERISTICS @25C



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																																
TESTED BY: J.Emperador																																		
DATE: 04/04/23																																		
SERIAL NO: PL39983																																		
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)															1445																		
	SLOPE (mV/dB)															20.3																		
		145	233	327	420	518	617	736	824	938	1040	1142	1241	1343	1445	1559	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)															
		21	8	0	-9	-12	-15	2	-11	1	2	2	-1	0	0	12	1.04	0.37	0.00	-0.43	-0.61	-0.74	0.12	-0.55	0.06	0.08	0.10	-0.03	-0.02	0.00	0.61	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
3.2 GHz	INTERCEPT (mV)															1446																		
	SLOPE (mV/dB)															20.4																		
		133	229	327	420	518	620	739	826	939	1042	1142	1239	1340	1444	1559	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)															
		12	6	2	-7	-11	-11	6	-8	3	4	2	-3	-4	-2	11	0.58	0.29	0.10	-0.34	-0.53	-0.52	0.32	-0.42	0.13	0.18	0.09	-0.15	-0.19	-0.09	0.55	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
4.5 GHz	INTERCEPT (mV)															1452																		
	SLOPE (mV/dB)															20.6																		
		129	224	322	414	512	615	734	822	940	1047	1146	1242	1343	1453	1567	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)															
		16	8	3	-8	-13	-13	3	-12	3	7	3	-4	-6	1	12	0.78	0.38	0.14	-0.40	-0.64	-0.64	0.14	-0.58	0.15	0.34	0.15	-0.19	-0.28	0.06	0.60	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
5.7 GHz	INTERCEPT (mV)															1436																		
	SLOPE (mV/dB)															20.4																		
		124	219	316	407	504	606	724	809	926	1033	1132	1226	1327	1437	1556	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)															
		16	9	4	-7	-13	-13	3	-14	1	6	2	-6	-7	1	18	0.78	0.43	0.18	-0.36	-0.62	-0.62	0.15	-0.69	0.04	0.28	0.12	-0.28	-0.33	0.05	0.87	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
6.9 GHz	INTERCEPT (mV)															1423																		
	SLOPE (mV/dB)															20																		
		132	228	325	415	512	613	730	813	925	1025	1121	1215	1315	1423	1544	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)															
		11	7	3	-7	-10	-9	8	-9	2	2	-2	-8	-8	0	20	0.54	0.33	0.17	-0.33	-0.49	-0.45	0.39	-0.47	0.12	0.11	-0.10	-0.40	-0.41	-0.02	1.02	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
8.2 GHz	INTERCEPT (mV)															1423																		
	SLOPE (mV/dB)															19.7																		
		148	246	343	433	531	632	745	830	934	1027	1120	1214	1314	1422	1544	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)															
		5	4	3	-6	-6	-3	11	-2	3	-2	-7	-12	-10	-1	23	0.24	0.21	0.14	-0.28	-0.30	-0.17	0.57	-0.11	0.17	-0.10	-0.38	-0.60	-0.52	-0.03	1.17	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
9.4 GHz	INTERCEPT (mV)															1417																		
	SLOPE (mV/dB)															19.5																		
		154	252	349	439	538	639	749	833	935	1023	1115	1207	1307	1415	1541	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)															
		2	3	2	-5	-3	0	13	0	5	-5	-10	-15	-12	-2	27	0.09	0.13	0.12	-0.26	-0.17	0.02	0.68	0.00	0.24	-0.24	-0.51	-0.78	-0.64	-0.08	1.39	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
10.6 GHz	INTERCEPT (mV)															1401																		
	SLOPE (mV/dB)															19.3																		
		146	243	340	431	528	630	741	818	920	1008	1099	1192	1291	1399	1529	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)															
		2	2	2	-3	-3	2	17	-3	2	-6	-12	-16	-13	-2	31	0.08	0.10	0.12	-0.17	-0.16	0.12	0.86	-0.16	0.12	-0.33	-0.62	-0.81	-0.69	-0.10	1.62	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
11.8 GHz	INTERCEPT (mV)															1410																		
	SLOPE (mV/dB)															19.4																		
		150	247	344	433	530	633	745	827	928	1014	1107	1200	1299	1409	1538	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)															
		3	3	3	-5	-5	0	15	0	4	-7	-11	-16	-14	-1	31	0.17	0.16	0.15	-0.27	-0.28	0.02	0.78	0.00	0.20	-0.37	-0.59	-0.80	-0.71	-0.05	1.59	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
13.1 GHz	INTERCEPT (mV)															1424																		
	SLOPE (mV/dB)															19.7																		
		150	248	345	433	531	635	748	835	936	1023	1117	1211	1313	1426	1550	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)															
		5	5	3	-7	-7	-2	13	2	4	-7	-11	-16	-12	2	28	0.26	0.24	0.17	-0.35	-0.37	-0.08	0.66	0.08	0.22	-0.36	-0.58	-0.81	-0.62	0.12	1.43	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
14.3 GHz	INTERCEPT (mV)															1416																		
	SLOPE (mV/dB)															19.5																		
		152	249	346	432	530	635	748	832	932	1015	1111	1207	1309	1418	1539	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)															
		5	4	4	-8	-8	0	15	2	4	-11	-12	-14	-9	2	26	0.25	0.22	0.19	-0.41	-0.39	-0.01	0.78	0.09	0.21	-0.54	-0.62	-0.70	-0.48	0.11	1.31	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
16.8 GHz	INTERCEPT (mV)															1405																		
	SLOPE (mV/dB)															19.3																		
		149	246	343	429	527	634	747	828	928	1009	1105	1198	1298	1403	1524	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)															
		2	2	2	-9	-7	3	19	3	7	-9	-10	-13	-10	-2	22	0.08	0.09	0.11	-0.45	-0.38	0.15	0.99	0.18	0.35	-0.46	-0.50	-0.69	-0.53	-0.10	1.16	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
18 GHz	INTERCEPT (mV)															1404																		
	SLOPE (mV/dB)															19.3																		
		151	248	345	430	528	638	751	833	930	1008	1101	1198	1300	1403	1519	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)															
		0	1	1	-10	-8	5	22	7	8	-10	-14	-13	-8	-1	19	0.01	0.04	0.08	-0.52	-0.43	0.27	1.13	0.39	0.42	-0.54	-0.71	-0.88	-0.39	-0.05	0.97	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
Flatness		0.8	0.8	0.8	0.8	0.9	0.8	0.7	0.7	0.5	1	1.2	1.3	1.3	1.4	1.2																		
Linearity Max (dB)=	1.62																																	
Linearity Min (dB)=	-0.81																																	
Average Slope (mV/dB)	19.8																																	

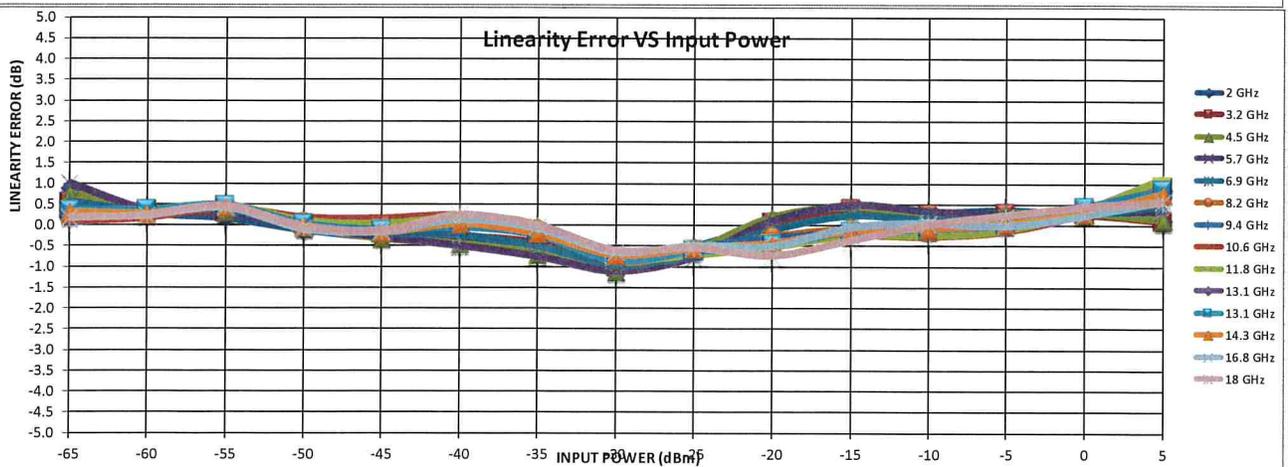
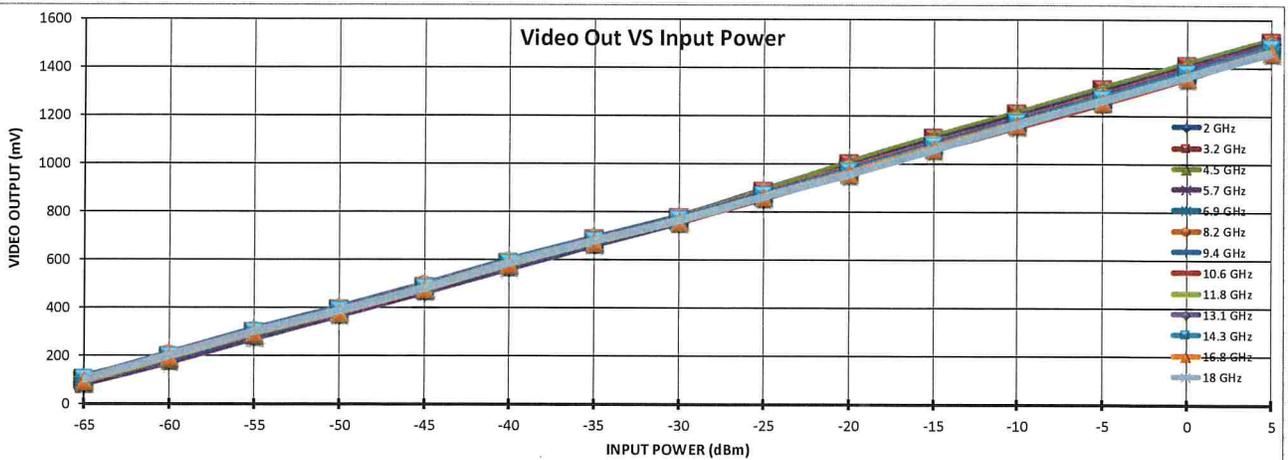
LOGGING CHARACTERISTICS @ 0C



LOGGING CHARACTERISTICS @ +60C

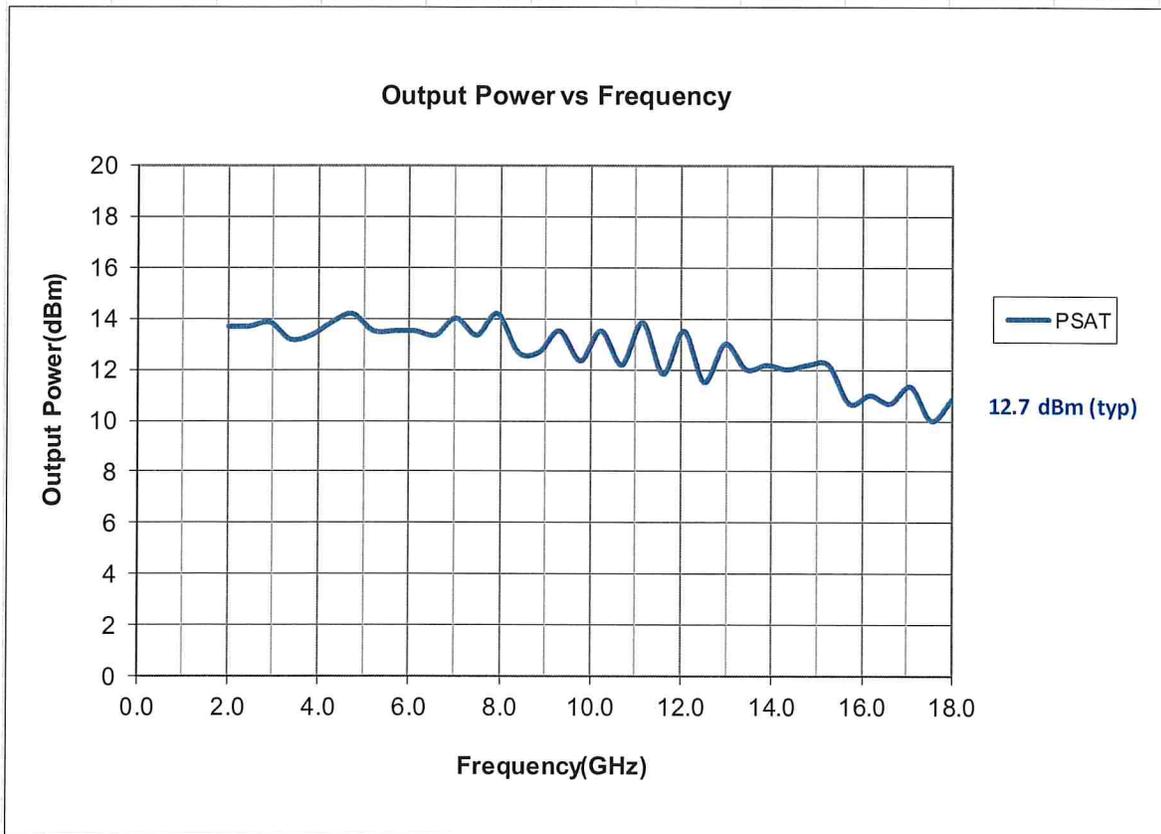
LOG TRANSFER VS FREQUENCY		Thursday, April 6, 2023														RF Input Power (dBm)															
MODEL: SDLVA-2020-70-OPT218-A03-A07-500HM		Test Temp: +60C																													
TESTED BY: J.Emperador																															
DATE: 04/05/23																															
SERIAL NO: PL39983																															
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)	1401															1401														
	SLOPE (mV/dB)	20.2															20.2														
		109	198	296	391	488	586	686	776	887	999	1106	1206	1308	1407	1505	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)												
		18	6	4	-2	-6	-9	-10	-21	-10	1	7	6	7	6	3	0.90	0.31	0.17	-0.11	-0.30	-0.44	-0.48	-1.02	-0.51	0.04	0.35	0.31	0.37	0.28	0.14
3.2 GHz	INTERCEPT (mV)	1405															1405														
	SLOPE (mV/dB)	20.3															20.3														
		96	193	294	390	487	587	685	775	885	1000	1108	1207	1309	1410	1508	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)												
		11	6	6	0	-4	-6	-9	-21	-12	1	8	5	6	5	2	0.53	0.31	0.29	0.02	-0.20	-0.28	-0.45	-1.01	-0.60	0.07	0.39	0.27	0.29	0.27	0.10
4.5 GHz	INTERCEPT (mV)	1410															1410														
	SLOPE (mV/dB)	20.5															20.5														
		92	187	288	383	480	580	678	772	885	1004	1112	1211	1314	1417	1516	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)												
		16	8	7	-1	-7	-9	-14	-23	-12	4	9	6	6	7	3	0.78	0.40	0.32	-0.05	-0.32	-0.45	-0.88	-1.10	-0.60	0.20	0.46	0.28	0.30	0.32	0.14
5.7 GHz	INTERCEPT (mV)	1393															1393														
	SLOPE (mV/dB)	20.4															20.4														
		85	174	275	370	467	565	662	757	866	986	1098	1195	1296	1399	1502	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)												
		21	7	6	-1	-6	-10	-15	-23	-16	2	10	7	5	6	7	1.00	0.36	0.30	-0.05	-0.30	-0.51	-0.76	-1.11	-0.77	0.10	0.48	0.33	0.27	0.31	0.35
6.9 GHz	INTERCEPT (mV)	1381															1381														
	SLOPE (mV/dB)	20															20														
		92	187	288	381	477	576	671	762	867	979	1086	1184	1285	1387	1491	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)												
		12	7	7	0	-4	-5	-10	-19	-14	-2	5	3	4	6	10	0.58	0.33	0.37	0.02	-0.18	-0.24	-0.49	-0.94	-0.70	-0.10	0.25	0.14	0.19	0.29	0.48
8.2 GHz	INTERCEPT (mV)	1379															1379														
	SLOPE (mV/dB)	19.7															19.7														
		103	203	304	396	492	592	688	771	875	980	1082	1180	1282	1386	1492	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)												
		4	6	8	2	-1	1	-2	-17	-12	-5	-2	-2	1	7	14	0.21	0.28	0.41	0.08	-0.05	0.03	-0.10	-0.88	-0.60	-0.27	-0.10	-0.12	0.06	0.34	0.72
9.4 GHz	INTERCEPT (mV)	1370															1370														
	SLOPE (mV/dB)	19.4															19.4														
		107	208	309	400	496	596	689	770	873	975	1074	1170	1271	1376	1484	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)												
		1	5	8	2	1	4	0	-17	-11	-6	-4	-5	-1	6	17	0.04	0.24	0.43	0.11	0.05	0.20	-0.02	-0.85	-0.55	-0.30	-0.21	-0.27	-0.08	0.33	0.88
10.6 GHz	INTERCEPT (mV)	1353															1353														
	SLOPE (mV/dB)	19.3															19.3														
		101	199	300	392	488	586	678	760	857	958	1059	1155	1254	1359	1471	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)												
		2	3	8	3	3	4	0	-14	-14	-9	-5	-5	-3	6	21	0.09	0.17	0.41	0.17	0.15	0.23	0.00	-0.75	-0.72	-0.49	-0.25	-0.27	-0.14	0.30	1.11
11.8 GHz	INTERCEPT (mV)	1365															1365														
	SLOPE (mV/dB)	19.5															19.5														
		103	202	303	393	489	589	683	765	864	965	1068	1165	1265	1372	1484	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)												
		4	5	9	2	0	3	0	-16	-14	-10	-5	-5	-2	7	22	0.19	0.28	0.46	0.09	0.02	0.15	-0.02	-0.80	-0.72	-0.53	-0.24	-0.26	-0.12	0.37	1.13
13.1 GHz	INTERCEPT (mV)	1378															1378														
	SLOPE (mV/dB)	19.8															19.8														
		101	200	301	391	487	587	682	769	872	974	1079	1179	1280	1387	1494	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)												
		7	7	9	1	-2	-1	-5	-17	-12	-9	-3	-2	1	9	17	0.35	0.36	0.48	0.03	-0.11	-0.05	-0.24	-0.84	-0.62	-0.46	-0.15	-0.08	0.03	0.44	0.86
14.3 GHz	INTERCEPT (mV)	1367															1367														
	SLOPE (mV/dB)	19.6															19.6														
		101	198	299	388	483	585	678	768	867	967	1071	1170	1270	1373	1480	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)												
		6	5	9	0	-3	1	-4	-14	-11	-8	-2	-1	1	6	15	0.32	0.28	0.44	-0.01	-0.16	0.05	-0.20	-0.70	-0.54	-0.43	-0.12	-0.06	0.05	0.31	0.78
16.8 GHz	INTERCEPT (mV)	1358															1358														
	SLOPE (mV/dB)	19.4															19.4														
		99	197	298	385	481	584	677	763	863	960	1066	1165	1261	1363	1487	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)												
		4	5	8	-2	-3	3	-1	-12	-9	-10	-1	1	0	5	12	0.19	0.24	0.43	-0.09	-0.15	0.16	-0.06	-0.63	-0.48	-0.49	-0.04	0.06	0.00	0.25	0.60
18 GHz	INTERCEPT (mV)	1355															1355														
	SLOPE (mV/dB)	19.3															19.3														
		101	199	300	387	482	586	678	763	861	954	1058	1162	1263	1364	1463	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)												
		3	5	9	-1	-3	5	0	-12	-10	-14	-7	0	5	9	11	0.18	0.24	0.46	-0.04	-0.13	0.24	0.00	-0.61	-0.54	-0.73	-0.36	0.02	0.24	0.46	0.57
Flatness		0.6 0.9 0.9 0.8 0.7 0.8 0.7 0.5 0.6 1.3 1.4 1.4 1.5 1.6 1.4																													
Linearity Max (dB)		1.13																													
Linearity Min (dB)		-1.11																													
Average Slope (mV/dB)		19.8																													

LOGGING CHARACTERISTICS @ +60C



P-Sat

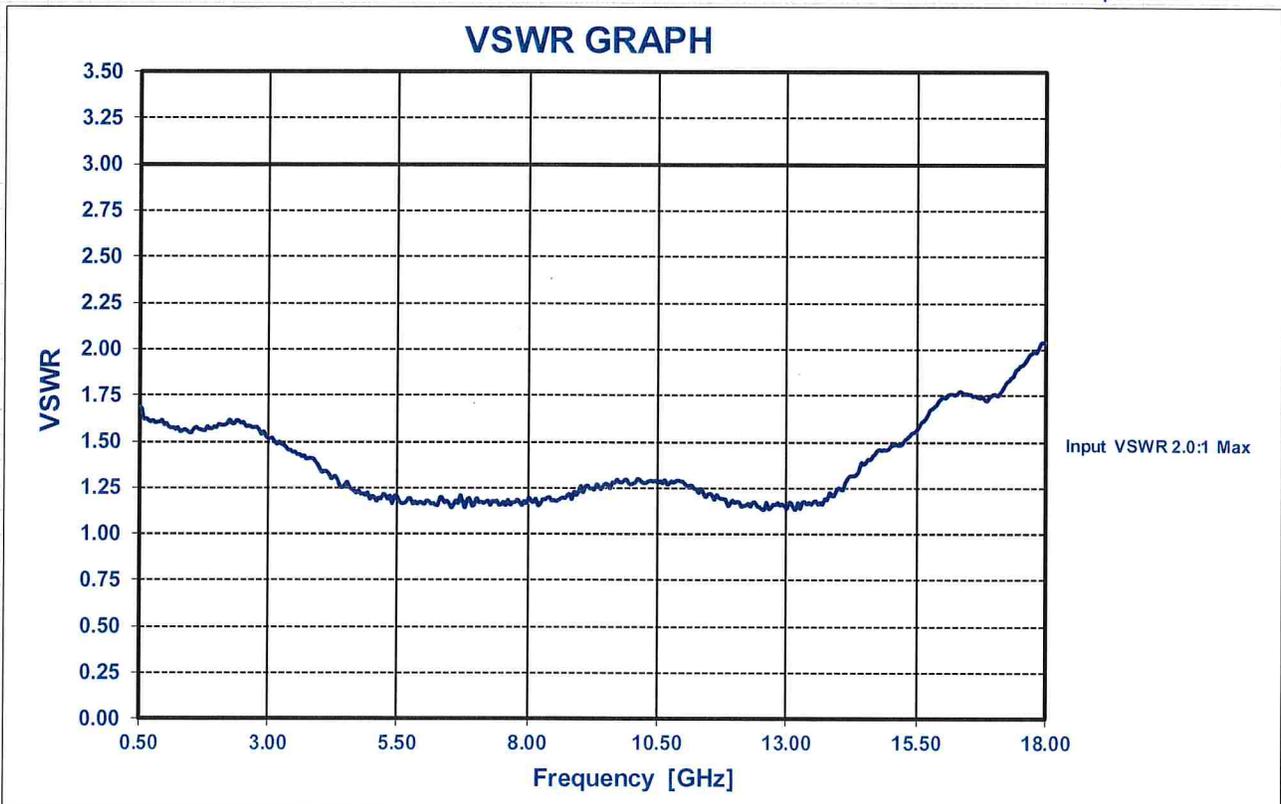
MODEL: SDLVA-2020-70 OPT218, A03, A07-50OHM	Test Temp: +25°C
TESTED BY: J Emperador	
DATE: 4/05/22	
SERIAL NO: PL39983	



INPUT VSWR

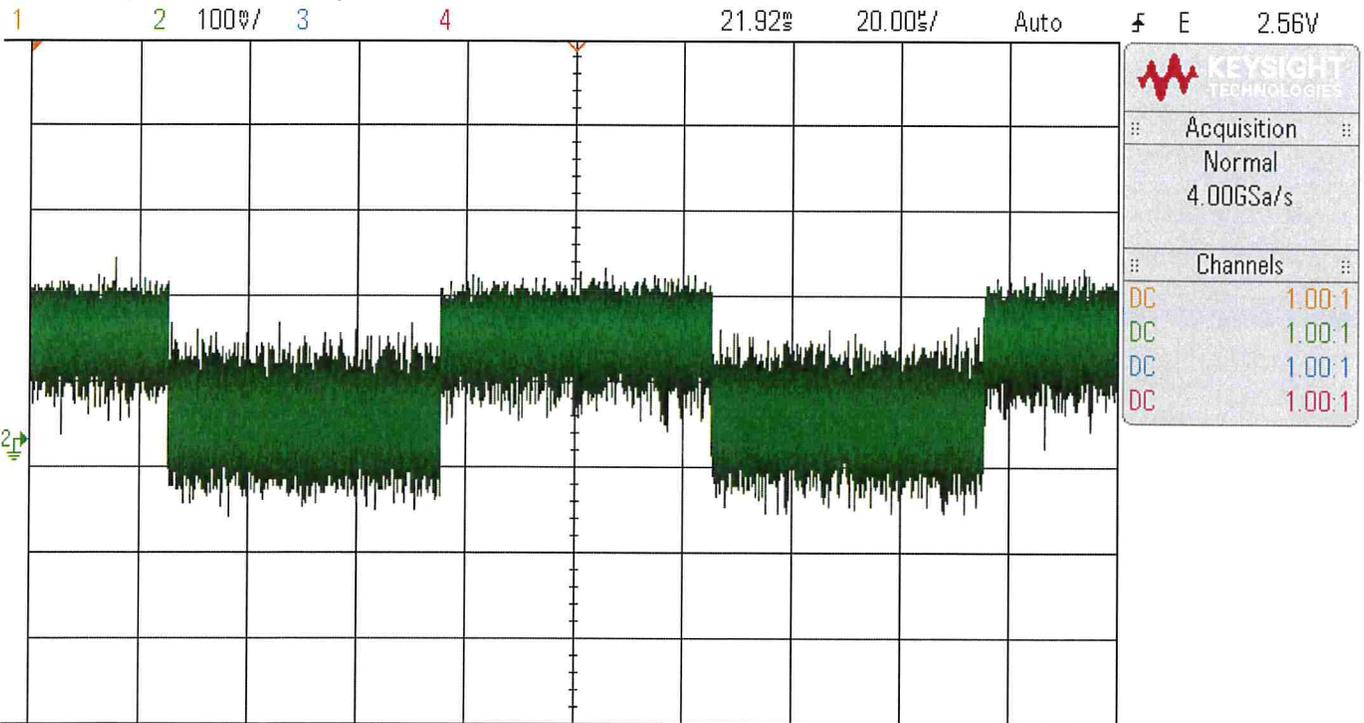
Model Number: SDLVA-2020-70 OPT. 218
Serial Number: PL39983

Temperature: +25C



TSS @ -65.0 dBm

DSO-X 3024A, MY54490369: Wed Apr 05 18:03:27 2023



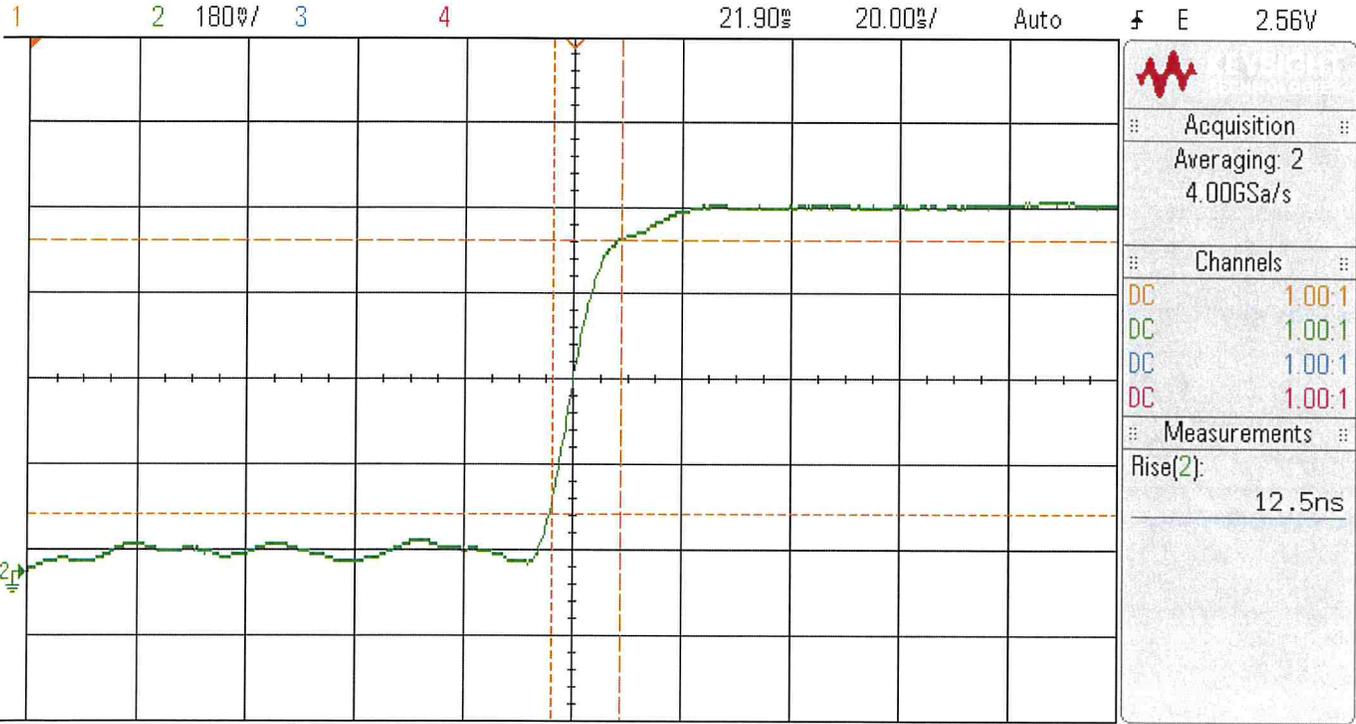
Acquire Menu

Acq Mode Normal # Avgs 2

Segmented

Rise Time @ 12.5 ns

DSO-X 3024A, MY54490369: Wed Apr 05 17:41:07 2023

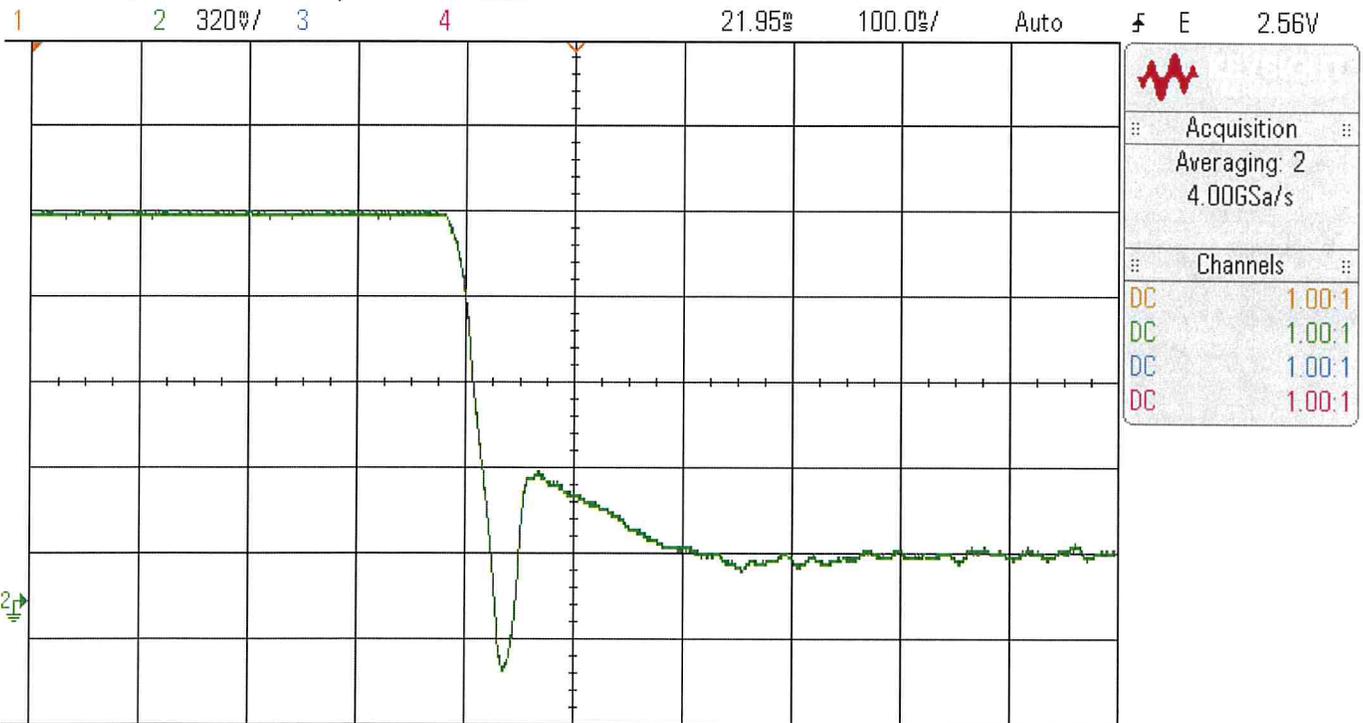


Clear Measurements Menu

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

Recovery Time @ 180 ns

DSO-X 3024A, MY54490369: Wed Apr 05 18:01:31 2023



Measurement Menu

Source 2 Type: Delay Add Measurement Settings Clear Meas Statistics