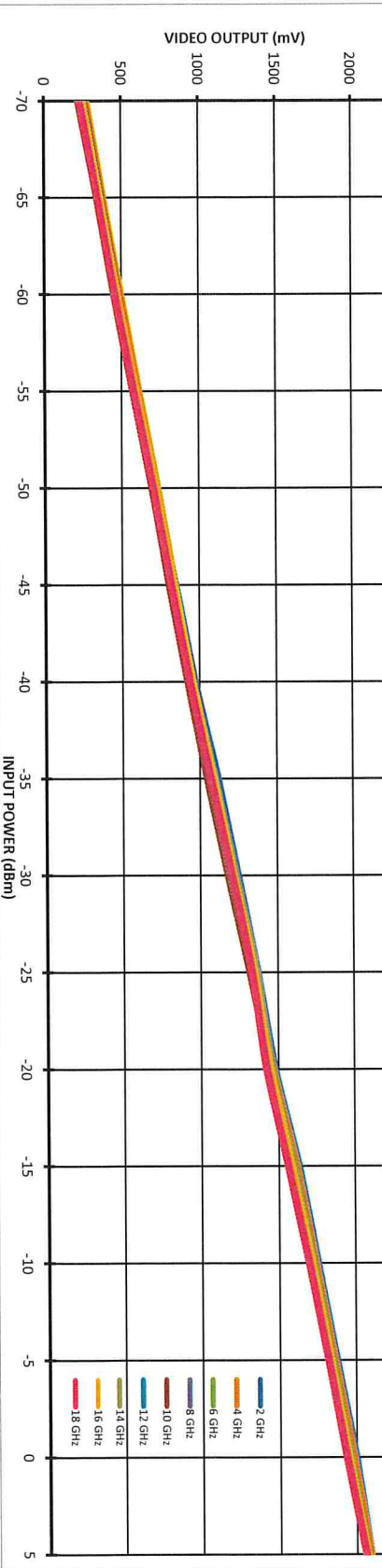






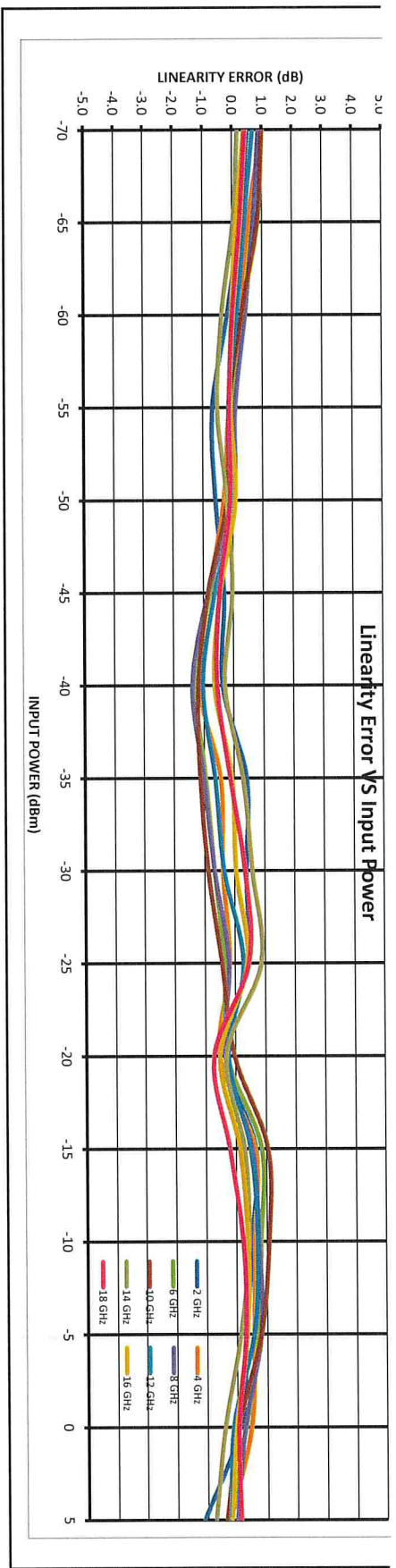
Frequency	70	65	60	55	50	45	40	35	30	25	20	15	10	5
<b>2 GHz</b>	INTERCEPT (mV)	2000	238	358	474	588	717	851	976	1123	1249	1376	1484	1636
	SLOPE (mV/dB)	25.36	13	6	-4	-17	-15	-8	-9	11	10	10	10	9
	LIN. ERR. (dB)	1.1	0.52	0.25	-0.17	-0.67	-0.59	-0.30	-0.37	0.42	0.39	0.40	-0.34	0.66
	Measured Value (mV)													
	ERROR (mV)													
	LINEARITY ERROR (dB)													
<b>4 GHz</b>	INTERCEPT (mV)	1978	273	385	503	616	735	846	961	1102	1227	1356	1471	1623
	SLOPE (mV/dB)	24.72	25	14	8	8	-3	-7	-20	-29	-11	-10	-4	-13
	LIN. ERR. (dB)	1.154	1.02	0.65	0.32	-0.11	-0.29	-0.81	-1.15	-0.45	-0.39	-0.18	-0.52	0.62
	Measured Value (mV)													
	ERROR (mV)													
	LINEARITY ERROR (dB)													
<b>6 GHz</b>	INTERCEPT (mV)	1963	236	355	472	587	709	818	931	1064	1196	1329	1456	1609
	SLOPE (mV/dB)	25.01	24	18	10	0	-3	-20	-32	-24	-17	-9	-7	21
	LIN. ERR. (dB)	1.263	0.95	0.71	0.38	-0.02	-0.14	-0.78	-1.26	-0.95	-0.67	-0.35	-0.27	0.84
	Measured Value (mV)													
	ERROR (mV)													
	LINEARITY ERROR (dB)													
<b>8 GHz</b>	INTERCEPT (mV)	1943	235	354	471	586	708	810	920	1053	1185	1320	1440	1585
	SLOPE (mV/dB)	24.71	22	17	11	2	1	-21	-34	-25	-16	-5	-9	13
	LIN. ERR. (dB)	1.39	0.89	0.71	0.44	0.09	0.03	-0.84	-1.39	-1.01	-0.67	-0.20	-0.35	0.52
	Measured Value (mV)													
	ERROR (mV)													
	LINEARITY ERROR (dB)													
<b>10 GHz</b>	INTERCEPT (mV)	1951	217	339	451	566	690	799	916	1043	1175	1312	1448	1601
	SLOPE (mV/dB)	25.14	25	22	8	-3	-4	-21	-30	-22	-11	-1	-1	27
	LIN. ERR. (dB)	1.187	1.01	0.86	0.32	-0.11	-0.18	-0.84	-1.19	-0.88	-0.43	-0.02	1.06	0.81
	Measured Value (mV)													
	ERROR (mV)													
	LINEARITY ERROR (dB)													
<b>12 GHz</b>	INTERCEPT (mV)	1950	244	360	477	593	721	827	940	1073	1203	1342	1452	1593
	SLOPE (mV/dB)	24.62	17	10	4	-3	2	-15	-25	-16	-9	7	-6	12
	LIN. ERR. (dB)	1.034	0.70	0.41	0.16	-0.13	0.07	-0.62	-1.03	-0.63	-0.35	0.29	-0.24	0.49
	Measured Value (mV)													
	ERROR (mV)													
	LINEARITY ERROR (dB)													
<b>14 GHz</b>	INTERCEPT (mV)	1971	214	336	452	574	708	838	957	1098	1231	1364	1460	1601
	SLOPE (mV/dB)	25.17	5	1	-9	-13	-5	-1	-7	8	15	22	-8	7
	LIN. ERR. (dB)	0.872	0.19	0.03	-0.36	-0.51	-0.19	-0.02	-0.30	0.31	0.59	0.87	-0.31	0.29
	Measured Value (mV)													
	ERROR (mV)													
	LINEARITY ERROR (dB)													
<b>16 GHz</b>	INTERCEPT (mV)	1961	249	365	484	606	733	843	961	1098	1224	1356	1456	1595
	SLOPE (mV/dB)	24.6	10	3	-1	-2	2	-11	-16	-2	1	10	-13	3
	LIN. ERR. (dB)	0.638	0.42	0.13	-0.03	-0.07	0.09	-0.43	-0.64	-0.07	0.05	0.42	-0.52	0.13
	Measured Value (mV)													
	ERROR (mV)													
	LINEARITY ERROR (dB)													
<b>18 GHz</b>	INTERCEPT (mV)	1938	223	342	459	579	703	817	938	1072	1207	1333	1427	1563
	SLOPE (mV/dB)	24.65	11	7	0	-3	-2	-11	-14	-3	9	12	-18	-5
	LIN. ERR. (dB)	0.719	0.44	0.27	0.02	-0.12	-0.09	-0.46	-0.55	-0.12	0.36	0.47	-0.72	-0.20
	Measured Value (mV)													
	ERROR (mV)													
	LINEARITY ERROR (dB)													
	Avg. Slope: 24.9 mV/dB													
	Flatness dB: ±1.6 dB													

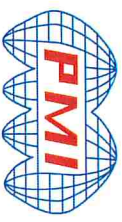
Video Out VS Input Power



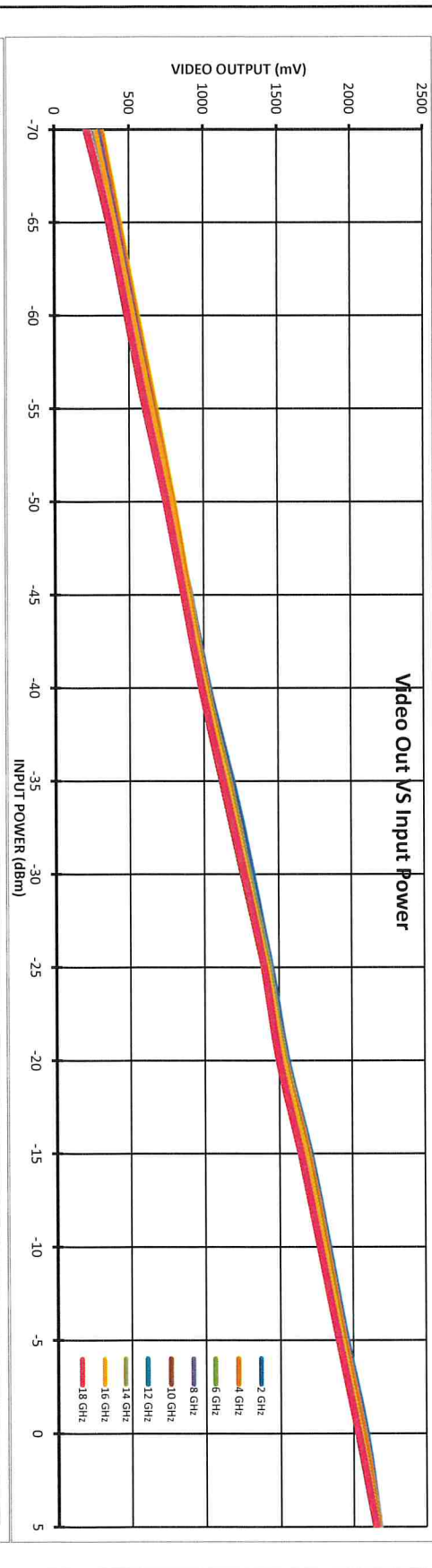
PL42811

+25°C

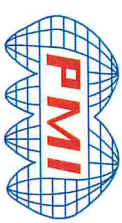




Frequency	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5		
<b>2 GHz</b>	INTERCEPT (mV)	2087	286	398	523	642	776	910	1037	1191	1326	1450	1558	1713	1837	1959	2093	2179
	SLOPE (mV/DB)	25.02	0	2	-3	-14	-10	-6	-9	15	20	14	8	17	11	2	6	-38
	LINEARITY ERROR (DB)	1.4	0.02	0.09	-0.10	-0.53	-0.38	-0.23	-0.35	0.57	0.76	0.53	-0.32	0.64	0.40	0.09	0.24	-1.45
<b>4 GHz</b>	INTERCEPT (mV)	2062	314	435	557	678	795	906	1023	1170	1300	1431	1544	1700	1823	1944	2077	2177
	SLOPE (mV/DB)	25.22	17	12	8	3	-6	-21	-30	-9	-5	0	-13	17	14	8	15	-11
	LINEARITY ERROR (DB)	1.19	0.69	0.49	0.33	0.13	-0.23	-0.83	-1.19	-0.36	-0.20	-0.01	-0.53	0.66	0.54	0.34	0.61	-0.42
<b>6 GHz</b>	INTERCEPT (mV)	2043	274	404	528	647	768	872	987	1127	1263	1402	1526	1682	1806	1927	2052	2164
	SLOPE (mV/DB)	25.48	15	18	14	6	0	-24	-36	-24	-15	-3	-7	22	18	12	9	-6
	LINEARITY ERROR (DB)	1.42	0.60	0.70	0.57	0.24	-0.01	-0.93	-1.42	-0.93	-0.59	-0.13	-0.27	0.85	0.72	0.47	0.37	-0.23
<b>8 GHz</b>	INTERCEPT (mV)	2031	284	411	536	656	775	873	988	1129	1263	1402	1518	1668	1795	1919	2039	2157
	SLOPE (mV/DB)	25.17	15	16	15	9	2	-26	-37	-21	-13	0	-10	14	15	14	8	0
	LINEARITY ERROR (DB)	1.452	0.58	0.62	0.59	0.36	0.09	-1.02	-1.45	-0.85	-0.53	0.00	-0.39	0.57	0.61	0.54	0.31	-0.01
<b>10 GHz</b>	INTERCEPT (mV)	2038	265	397	520	637	760	863	980	1117	1253	1397	1525	1681	1805	1924	2041	2156
	SLOPE (mV/DB)	25.54	15	19	15	4	-1	-25	-36	-27	-18	-2	-2	26	23	14	3	-9
	LINEARITY ERROR (DB)	1.41	0.60	0.76	0.58	0.16	-0.02	-0.99	-1.41	-1.05	-0.72	-0.08	-0.07	1.04	0.89	0.55	0.13	-0.37
<b>12 GHz</b>	INTERCEPT (mV)	2036	257	392	516	636	767	877	992	1130	1267	1412	1522	1670	1795	1916	2034	2154
	SLOPE (mV/DB)	25.46	3	11	8	0	4	-13	-26	-15	-5	12	-5	16	14	7	7	-2
	LINEARITY ERROR (DB)	1.005	0.13	0.43	0.30	0.01	0.16	-0.52	-1.00	-0.59	-0.21	0.49	-0.19	0.62	0.53	0.28	0.08	-0.37
<b>14 GHz</b>	INTERCEPT (mV)	2058	215	362	486	612	750	886	1009	1156	1296	1432	1529	1677	1803	1923	2047	2164
	SLOPE (mV/DB)	26.11	-15	1	-5	-10	-2	3	-4	12	22	27	-7	11	6	-4	-11	-24
	LINEARITY ERROR (DB)	1.033	-0.57	0.05	-0.20	-0.37	-0.09	0.12	-0.17	0.46	0.82	1.03	-0.25	0.42	0.24	-0.16	-0.41	-0.93
<b>16 GHz</b>	INTERCEPT (mV)	2049	270	403	529	656	784	892	1011	1154	1287	1423	1529	1679	1804	1926	2054	2167
	SLOPE (mV/DB)	25.42	0	6	5	5	6	-13	-21	-5	0	9	-12	11	9	4	5	-9
	LINEARITY ERROR (DB)	0.839	0.01	0.24	0.20	0.20	0.23	-0.52	-0.84	-0.21	0.37	0.37	-0.46	0.44	0.35	0.15	0.19	-0.37
<b>18 GHz</b>	INTERCEPT (mV)	2032	219	365	490	616	747	864	987	1128	1268	1403	1500	1646	1776	1903	2036	2157
	SLOPE (mV/DB)	25.78	-8	9	5	2	4	-8	-14	-2	9	16	-16	1	2	0	4	-4
	LINEARITY ERROR (DB)	0.631	-0.33	0.34	0.18	0.07	0.16	-0.31	-0.53	-0.06	0.37	0.61	-0.63	0.03	0.08	0.00	0.16	-0.14
Avg. Slope: 25.6 mV/DB																		
Flatness: dB: ±1.9 dB																		

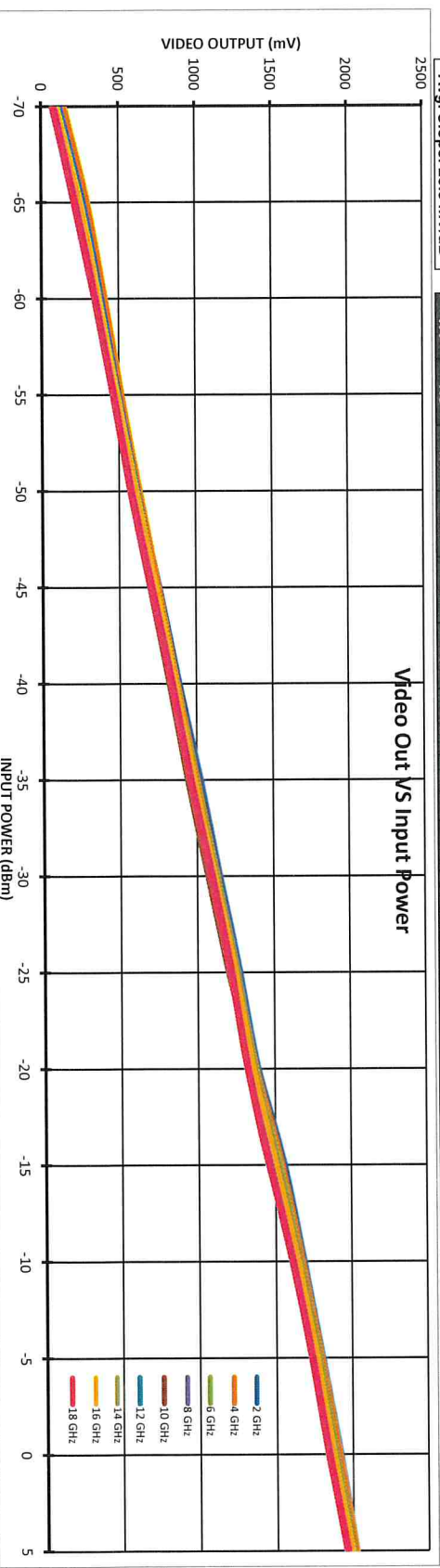






Frequency	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5		
<b>2 GHz</b>	INTERCEPT (mV)	1924	115	266	382	498	619	760	887	1027	1148	1277	1396	1561	1687	1807	1921	2026
	SLOPE (mV/dB)	25.77	-5	17	5	-8	-16	-4	-6	5	-2	-2	-12	24	21	12	-3	-26
	LIN. ERR. (dB)	1.0	-0.18	0.68	0.18	-0.32	-0.62	-0.15	-0.22	0.21	-0.10	-0.09	-0.47	0.93	0.82	0.47	-0.10	-1.03
<b>4 GHz</b>	INTERCEPT (mV)	1904	148	294	410	520	636	753	874	1004	1130	1258	1382	1544	1675	1799	1913	2025
	SLOPE (mV/dB)	25.19	7	27	17	2	-8	-17	-22	-18	-18	-16	-18	18	23	21	9	-5
	LIN. ERR. (dB)	1.09	0.29	1.09	0.69	0.06	-0.34	-0.69	-0.89	-0.73	-0.73	-0.65	-0.72	0.71	0.91	0.83	0.35	-0.20
<b>6 GHz</b>	INTERCEPT (mV)	1887	103	254	372	490	607	726	845	964	1097	1224	1363	1528	1661	1786	1892	2006
	SLOPE (mV/dB)	25.54	3	27	17	7	-3	-12	-21	-30	-24	-25	-14	24	29	26	5	-9
	LIN. ERR. (dB)	1.156	0.13	1.04	0.66	0.28	-0.13	-0.48	-0.82	-1.16	-0.95	-0.98	-0.53	0.93	1.14	1.03	0.18	-0.36
<b>8 GHz</b>	INTERCEPT (mV)	1859	91	240	360	480	597	711	823	940	1074	1203	1339	1495	1634	1760	1864	1981
	SLOPE (mV/dB)	25.28	2	25	18	12	2	-10	-24	-34	-26	-24	-14	16	28	28	5	-4
	LIN. ERR. (dB)	1.337	0.08	0.97	0.72	0.47	0.09	-0.40	-0.97	-1.34	-1.04	-0.93	-0.55	0.62	1.12	1.10	0.22	-0.16
<b>10 GHz</b>	INTERCEPT (mV)	1871	76	218	341	461	576	699	820	937	1068	1198	1347	1514	1652	1771	1870	1984
	SLOPE (mV/dB)	25.77	9	22	16	8	-6	-12	-20	-32	-30	-29	-8	30	39	29	-1	-16
	LIN. ERR. (dB)	1.511	0.35	0.86	0.64	0.29	-0.24	-0.47	-0.78	-1.24	-1.15	-1.11	-0.32	1.16	1.51	1.13	-0.03	-0.61
<b>12 GHz</b>	INTERCEPT (mV)	1874	107	257	375	493	616	732	850	972	1102	1235	1362	1509	1650	1770	1871	1989
	SLOPE (mV/dB)	25.19	-4	20	12	4	1	-9	-17	-21	-17	-10	-9	12	28	22	-3	-11
	LIN. ERR. (dB)	1.093	-0.15	0.80	0.48	0.17	0.05	-0.35	-0.66	-0.92	-0.66	-0.34	0.50	1.09	0.86	-0.13	-0.45	
<b>14 GHz</b>	INTERCEPT (mV)	1894	77	219	345	470	595	735	861	990	1122	1255	1370	1516	1657	1778	1882	2000
	SLOPE (mV/dB)	25.84	-9	4	1	-3	-7	3	0	0	3	7	-7	9	21	13	-12	-23
	LIN. ERR. (dB)	0.905	-0.33	0.16	0.04	-0.12	-0.28	0.13	0.01	0.00	0.11	0.26	-0.29	0.36	0.82	0.50	-0.47	-0.91
<b>16 GHz</b>	INTERCEPT (mV)	1883	102	252	371	494	619	743	866	991	1119	1249	1366	1508	1650	1773	1878	1998
	SLOPE (mV/dB)	25.3	-10	13	6	2	-2	-5	-7	-5	-5	-2	-11	4	20	16	-5	-12
	LIN. ERR. (dB)	0.773	-0.41	0.52	0.22	0.08	0.02	-0.08	-0.22	-0.27	-0.21	-0.38	-0.45	0.16	0.77	0.64	-0.21	-0.47
<b>18 GHz</b>	INTERCEPT (mV)	1845	76	215	342	466	580	708	836	958	1094	1214	1323	1462	1610	1736	1844	1964
	SLOPE (mV/dB)	25.19	-5	7	8	6	-6	-4	-2	-5	4	-2	-19	-5	16	47	-1	-7
	LIN. ERR. (dB)	0.739	-0.24	0.27	0.32	0.24	-0.24	-0.15	-0.07	-0.23	0.17	-0.07	-0.74	-0.22	0.65	0.66	-0.06	-0.29
Avg. Slope: 25.5 mV/dB																		
Fitness dB: ±1.9 dB																		

Video Out VS Input Power

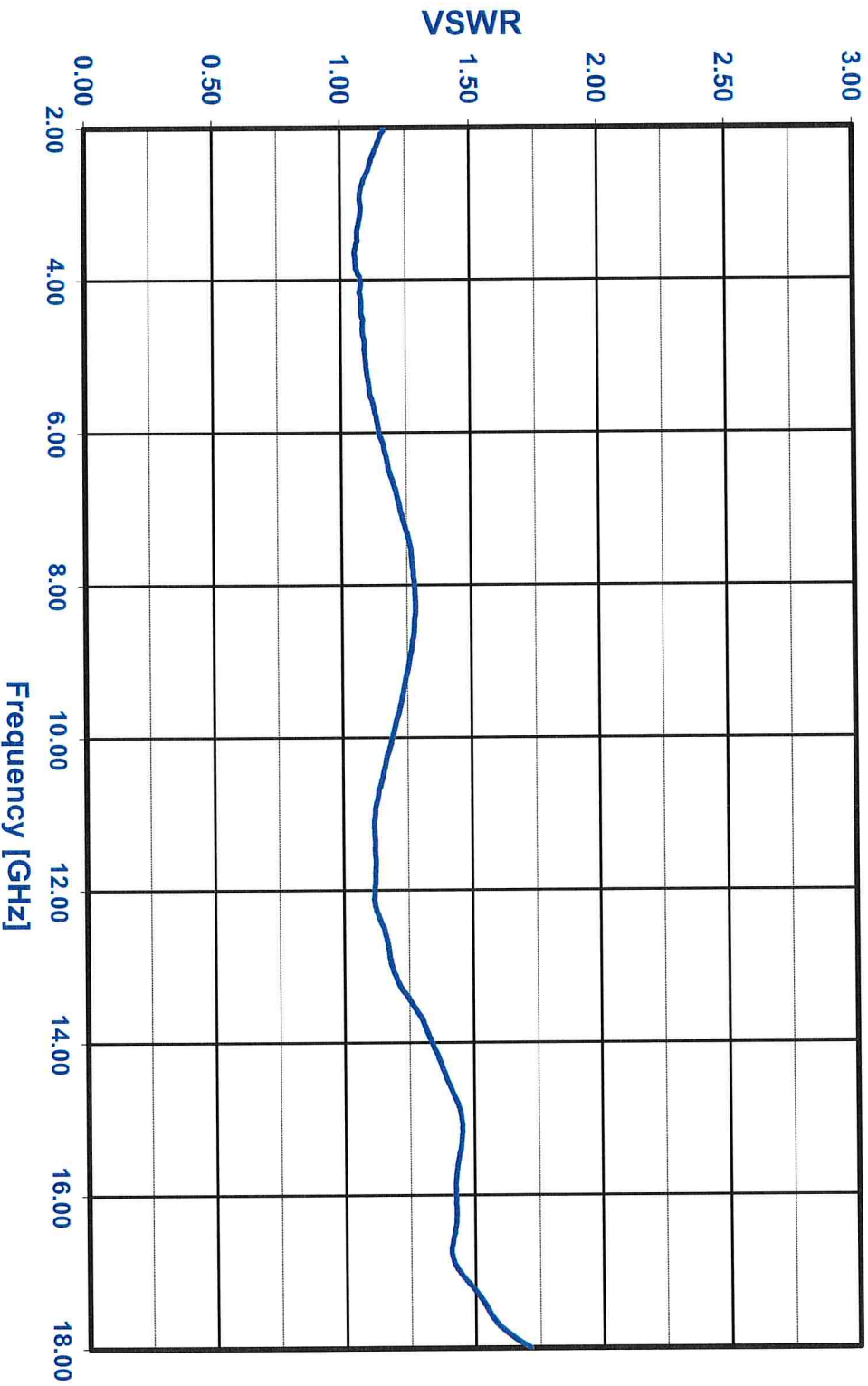




Model Number: SDLVA-2G18G-CD-2-OPT218  
Serial Number: PL42811

Temperature: +25C

### VSWR GRAPH



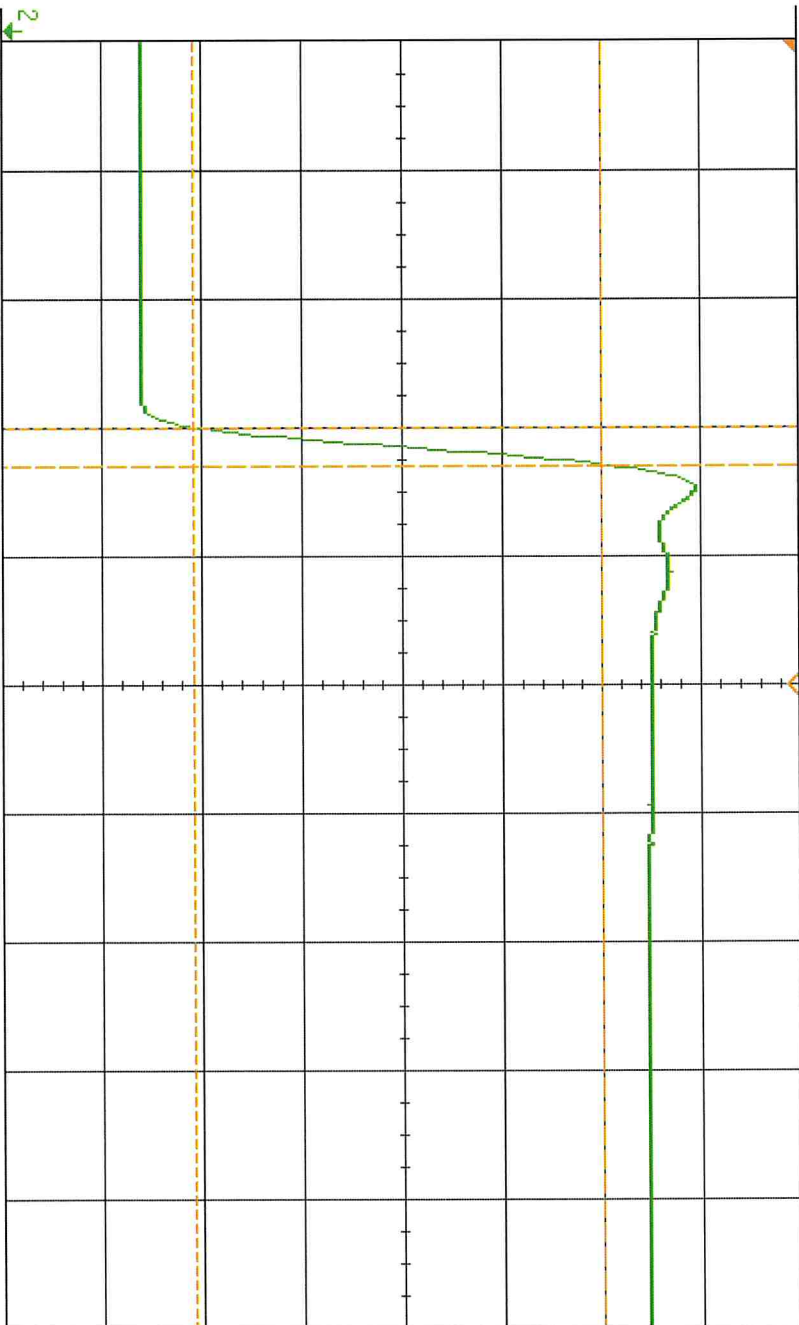
Input 1.71:1 Max



PL42811  
Rise Time

DSO-X 3034A, MY52394003-Fri Nov 10 12:06:07 2023

1 2 300%/ 3 4 4.000ns 20.00ns/ Auto F 4 2.18V



Measurement Menu

Source 2

Type: Rise

Add Measurement

Settings

Clear Meas

Statistics

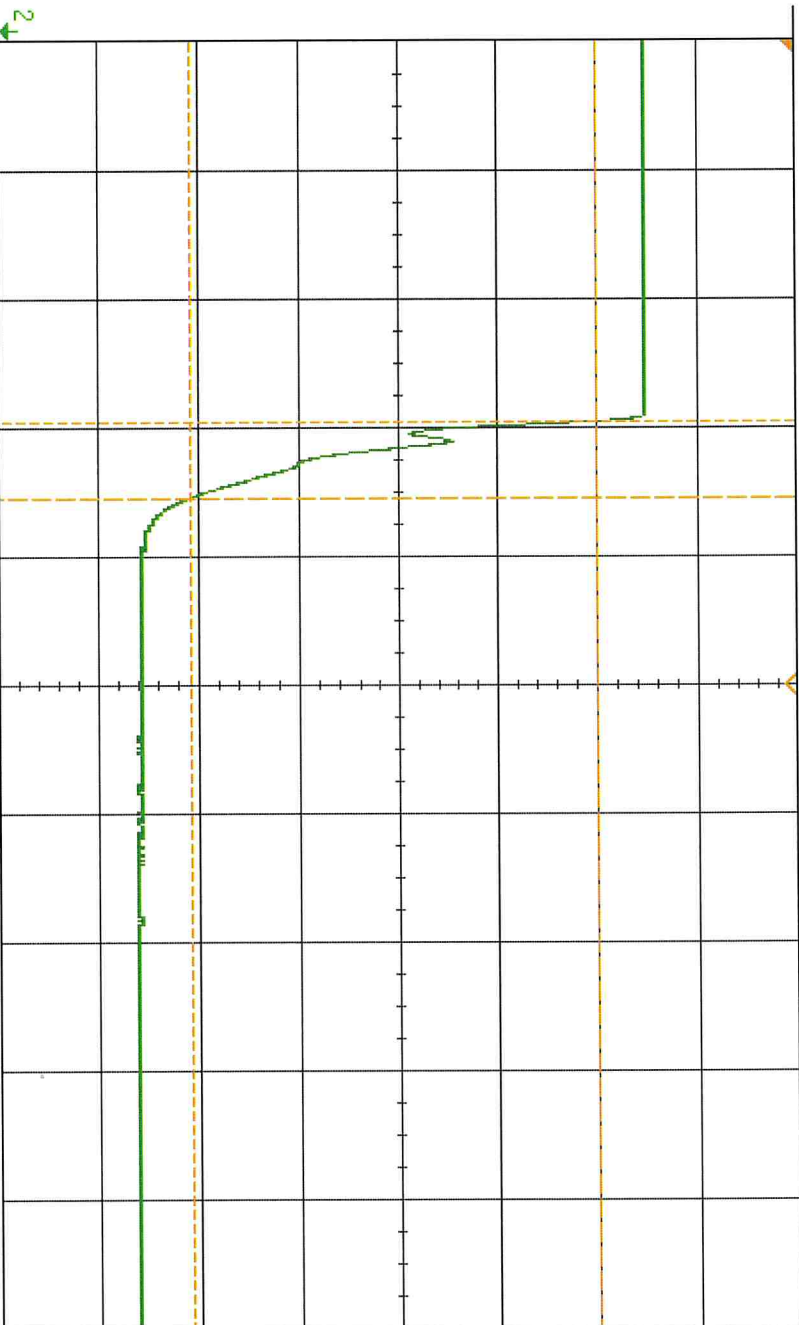
KEYSIGHT TECHNOLOGIES	
Acquisition	
Averaging: 32	
4.00GS/s	
Channels	
DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1
Measurements	
Fall(2):	No edges
Rise(2):	5.8ns

PL42811

RECOVERY

DSO-X 3034A, MY62394003, Fri Nov 10 12:05:12 2023

1 2 300%/ 3 4 4.050ns 100.0%/ Auto F 4 2.18V



Measurement Menu

Source 2

Type: Fall

Add Measurement

Settings

Clear Meas

Statistics

KEYSIGHT TECHNOLOGIES	
Acquisition	Averaging: 32 4.00GSa/s
Channels	DC 1.00:1 DC 1.00:1 DC 1.00:1 DC 1.00:1
Measurements	Rise(2): No edges Fall(2): 59.3ns

PL42811

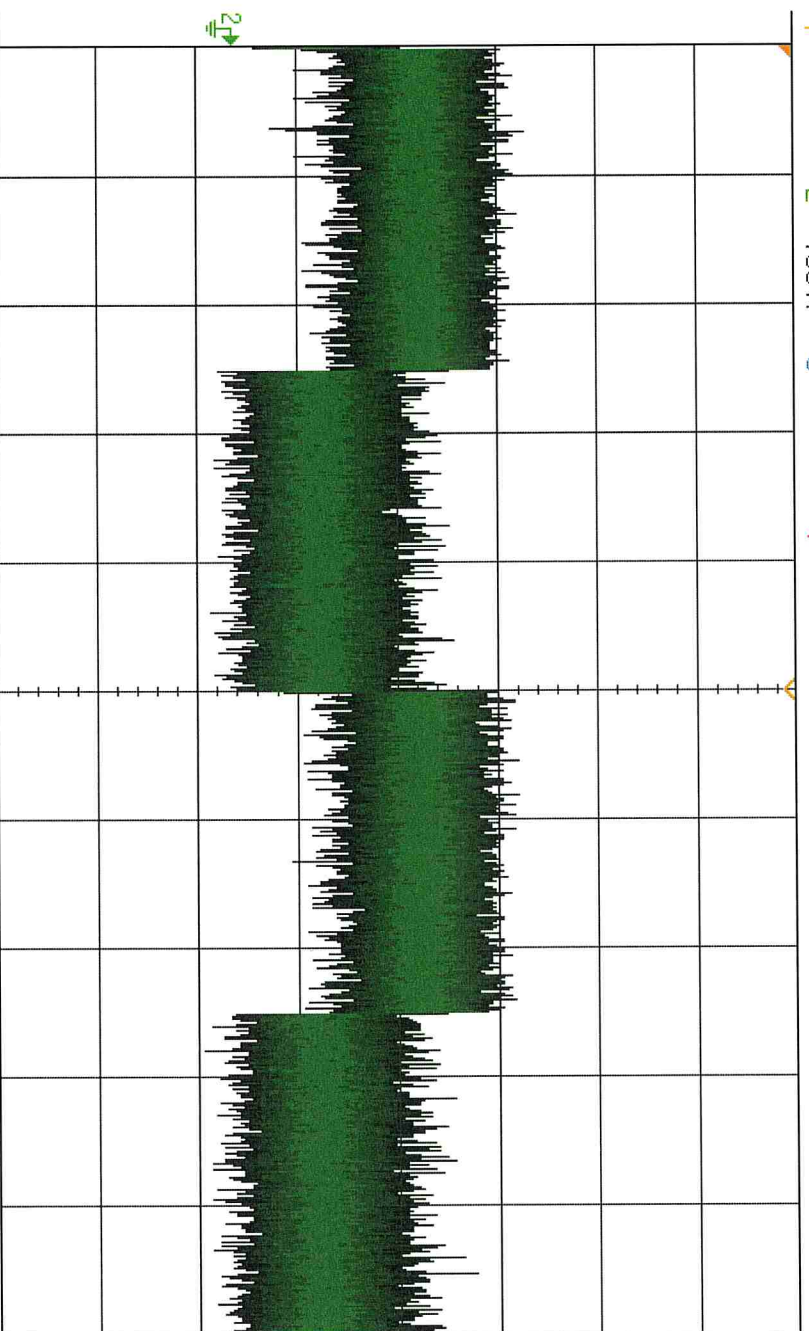
TSS -71

DSO-X 3034A, MY52394003, Fri Nov 10 12:07:23 2023

1 2 100% / 3 4

4.000ms 20.00ns / Auto

f 4 2.18V



KEYSIGHT TECHNOLOGIES		
Acquisition	Normal	
4.00GSa/s		
Channels		
DC	1.00:1	
DC	1.00:1	
DC	1.00:1	
DC	1.00:1	

Cursors Menu

Mode  
Off

To turn on cursors, press the [Cursors] key on the front panel.