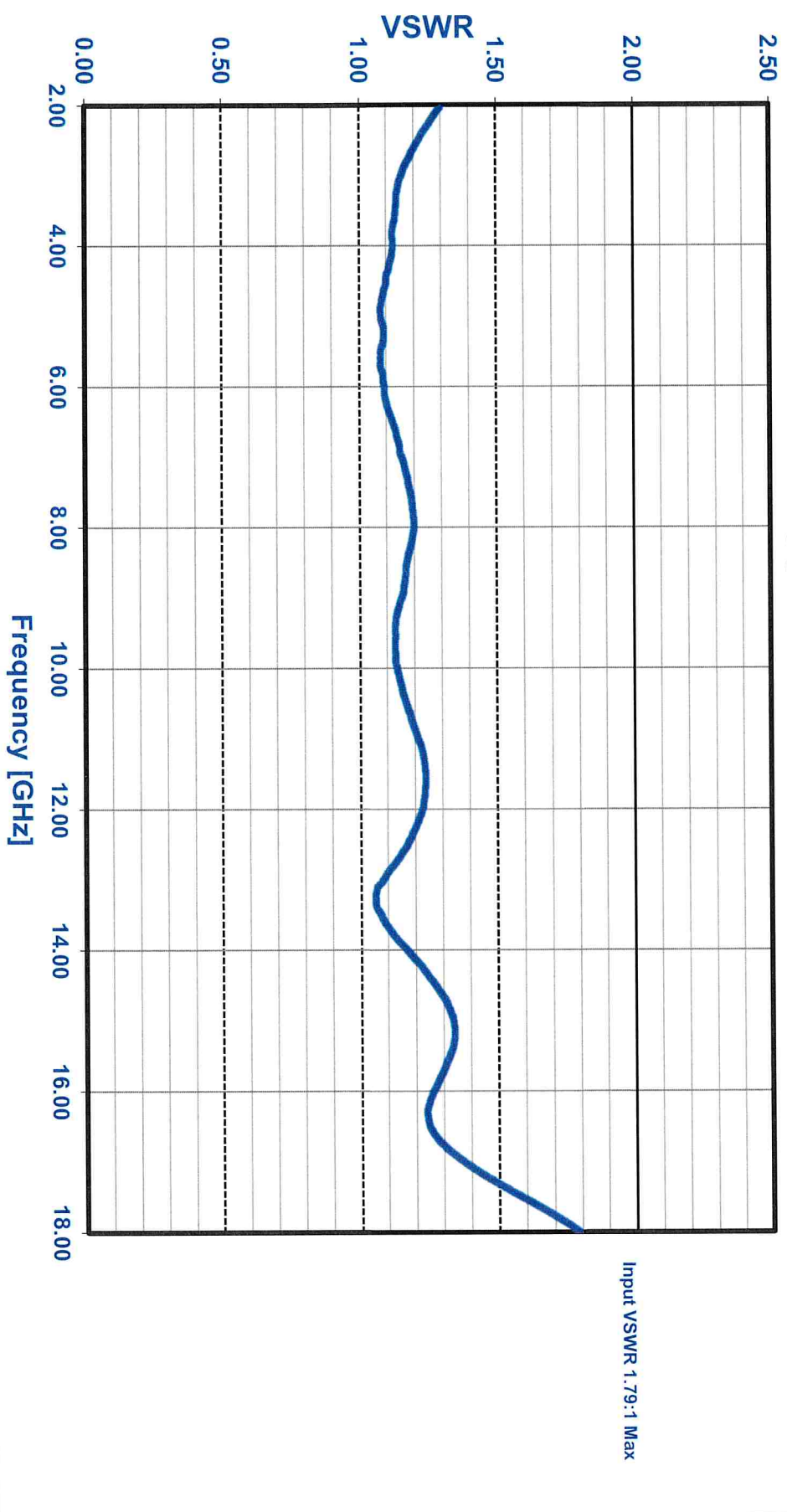
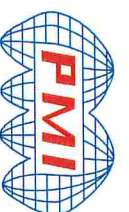


Model Number: SDLVA-6G18G-CD-2 OPT218
Serial Number: PL43761
Date: 2/6/2024

Temperature: +25C

VSWR GRAPH





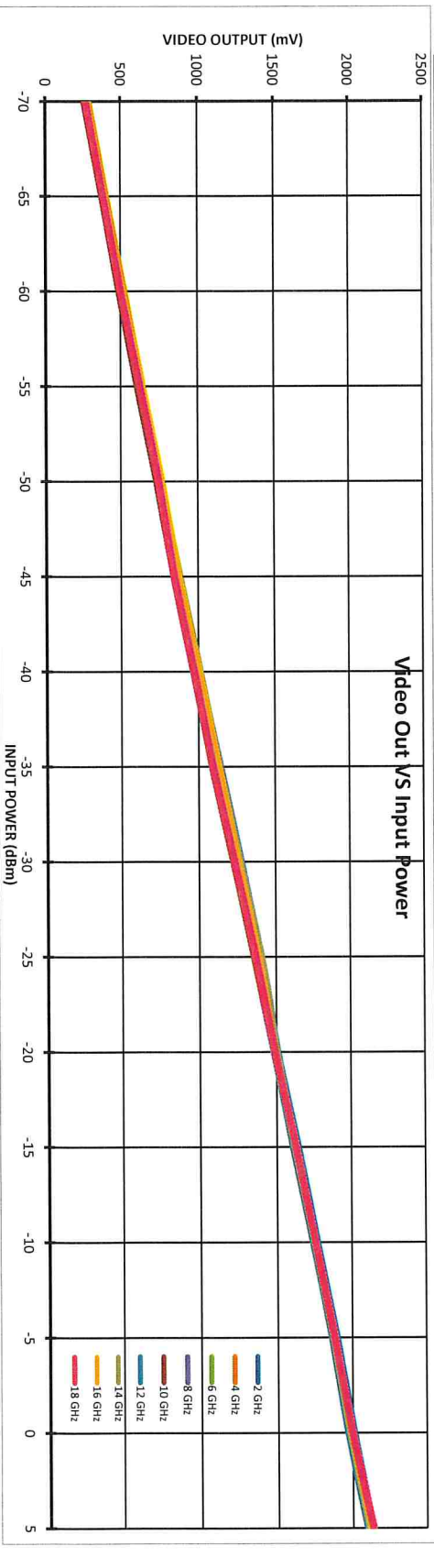
Frequency

Frequency	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5
2 GHz	INTERCEPT (mV)	2024														
	SLOPE (mV/DB)	25.29														
	LN_ERR. (DB)	0.8														
4 GHz	INTERCEPT (mV)	2001														
	SLOPE (mV/DB)	24.65														
	LN_ERR. (DB)	0.742														
6 GHz	INTERCEPT (mV)	1991														
	SLOPE (mV/DB)	24.87														
	LN_ERR. (DB)	0.993														
8 GHz	INTERCEPT (mV)	1977														
	SLOPE (mV/DB)	24.83														
	LN_ERR. (DB)	0.772														
10 GHz	INTERCEPT (mV)	1988														
	SLOPE (mV/DB)	25.1														
	LN_ERR. (DB)	1.05														
12 GHz	INTERCEPT (mV)	1979														
	SLOPE (mV/DB)	24.43														
	LN_ERR. (DB)	0.603														
14 GHz	INTERCEPT (mV)	1998														
	SLOPE (mV/DB)	24.74														
	LN_ERR. (DB)	1.07														
16 GHz	INTERCEPT (mV)	1993														
	SLOPE (mV/DB)	24.43														
	LN_ERR. (DB)	0.606														
18 GHz	INTERCEPT (mV)	1996														
	SLOPE (mV/DB)	24.99														
	LN_ERR. (DB)	1.156														

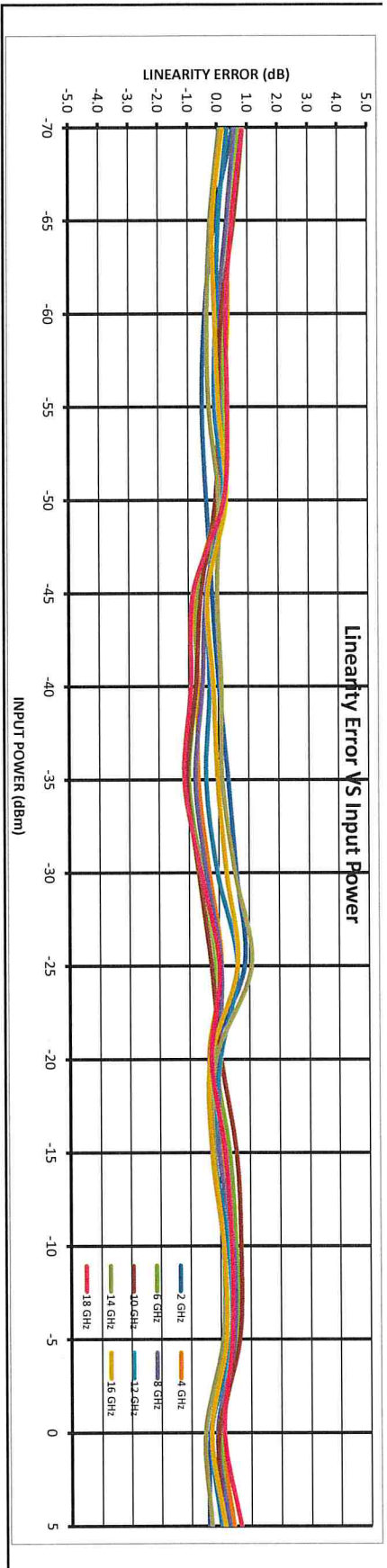
RF Input Power (dBm)	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5
2 GHz	267	378	496	620	750	881	1013	1147	1280	1413	1512	1647	1774	1901	2015	2140
	13	-2	-11	-13	-10	-5	1	8	15	21	-6	2	3	3	-9	-10
	0.52	-0.09	-0.42	-0.52	-0.38	-0.20	0.02	0.32	0.58	0.84	-0.25	0.09	0.11	0.14	-0.36	-0.41
4 GHz	290	406	530	649	769	873	998	1121	1253	1386	1499	1633	1761	1888	2001	2134
	15	8	8	4	1	-18	-17	-17	-8	2	-9	2	7	11	0	10
	0.61	0.31	0.34	0.17	0.04	-0.74	-0.67	-0.68	-0.33	0.07	-0.35	0.09	0.28	0.43	0.02	0.41
6 GHz	267	385	504	627	752	856	978	1096	1231	1367	1490	1626	1755	1881	1991	2120
	17	10	5	4	4	-16	-18	-25	-14	-2	-4	8	13	14	0	4
	0.68	0.42	0.20	0.15	0.18	-0.64	-0.74	-0.99	-0.57	-0.10	-0.15	0.32	0.50	0.57	-0.01	0.18
8 GHz	253	371	488	613	740	850	971	1089	1222	1358	1480	1604	1739	1864	1974	2108
	14	8	1	1	4	-10	-13	-19	-10	2	-1	-1	10	11	-3	7
	0.56	0.31	0.02	0.06	0.17	-0.40	-0.52	-0.77	-0.42	0.06	-0.03	-0.03	0.40	0.44	-0.13	0.27
10 GHz	252	370	485	608	731	844	965	1083	1218	1354	1487	1625	1754	1878	1986	2114
	21	14	3	1	-2	-14	-19	-26	-17	-6	1	14	17	16	-2	1
	0.85	0.55	0.13	0.03	-0.07	-0.57	-0.75	-1.05	-0.67	-0.25	0.04	0.54	0.68	0.62	-0.08	0.02
12 GHz	277	392	512	633	762	871	995	1114	1245	1383	1491	1608	1741	1865	1971	2101
	8	1	-1	-2	4	-9	-7	-10	-1	15	1	-5	6	8	-8	0
	0.33	0.04	-0.05	-0.10	0.18	-0.36	-0.28	-0.41	-0.05	0.60	0.02	-0.19	0.26	0.33	-0.33	-0.01
14 GHz	268	384	505	630	762	884	1011	1135	1269	1406	1500	1622	1753	1876	1985	2114
	2	-6	-9	-7	1	-1	3	3	13	26	-3	-5	2	2	-13	-8
	0.07	-0.24	-0.35	-0.30	0.04	-0.03	0.10	0.12	0.53	1.07	-0.13	-0.20	0.10	0.07	-0.53	-0.31
16 GHz	287	401	525	650	778	885	1012	1137	1266	1397	1497	1620	1751	1875	1985	2118
	4	-4	-2	1	6	-9	-4	-1	6	15	-7	-6	2	4	-8	3
	0.17	-0.17	-0.09	0.03	0.27	-0.35	-0.16	-0.04	0.24	0.61	-0.30	-0.27	0.10	0.17	-0.32	0.12
18 GHz	267	383	503	629	751	850	973	1092	1231	1371	1489	1625	1755	1880	1998	2137
	21	12	7	8	5	-21	-23	-29	-15	0	-7	4	9	9	2	16
	0.83	0.47	0.28	0.32	0.20	-0.84	-0.92	-1.16	-0.59	0.01	-0.27	0.17	0.37	0.37	0.10	0.66

Avg. Slope: 24.8 mV/DB	0.8	0.7	0.9	0.8	0.9	0.8	0.9	0.8	1	1.3	1.2	1.2	0.6	0.9	0.7	0.7	0.9	0.8	
Measured Value (mV)	2114	1876	1753	1622	1500	1406	1269	1135	1011	884	762	630	505	384	268	277	392	512	633
ERROR (mV)	-8	-13	2	-5	-3	26	13	5.3	3	-1	1	-7	-9	-6	3	4	15	6	4
LINEARITY ERROR (dB)	-0.31	-0.53	0.10	-0.20	-0.13	0.07	0.12	0.53	0.10	-0.03	0.04	-0.03	-0.35	-0.27	0.61	0.02	0.04	0.18	0.03
Measured Value (mV)	2118	1875	1751	1620	1500	1497	1397	1286	1137	1012	885	778	650	525	401	287	401	525	650
ERROR (mV)	3	-8	4	-6	-3	-7	15	6	-1	-4	-9	-8	1	-2	-4	4	4	-2	1
LINEARITY ERROR (dB)	0.12	-0.32	0.17	-0.27	-0.13	-0.30	0.61	0.24	-0.04	-0.16	-0.35	-0.27	0.03	-0.09	-0.17	0.61	0.27	-0.35	0.03
Measured Value (mV)	2137	1880	1755	1625	1489	1371	1231	1092	973	850	751	629	503	383	267	267	383	503	629
ERROR (mV)	16	2	9	4	-7	0	-15	-29	-23	-21	-5	8	7	12	21	21	12	7	8
LINEARITY ERROR (dB)	0.66	0.10	0.37	0.17	-0.27	0.01	-0.59	-1.16	-0.92	-0.84	-0.20	0.32	0.28	0.47	0.83	0.83	0.47	0.28	0.32

Flatness: dB: ±1.3 dB	0.8	0.7	0.7	0.9	0.7	0.7	0.9	0.8	1	1.3	1.2	1.2	0.6	0.9	0.7	0.7	0.9	0.8	
Measured Value (mV)	2137	1880	1755	1625	1489	1371	1231	1092	973	850	751	629	503	383	267	267	383	503	629
ERROR (mV)	16	2	9	4	-7	0	-15	-29	-23	-21	-5	8	7	12	21	21	12	7	8
LINEARITY ERROR (dB)	0.66	0.10	0.37	0.17	-0.27	0.01	-0.59	-1.16	-0.92	-0.84	-0.20	0.32	0.28	0.47	0.83	0.83	0.47	0.28	0.32



PL43761
25°C





Frequency

Frequency	INTERCEPT (mV)	SLOPE (mV/dB)	LN. ERR. (dB)
2 GHz	1962	25.46	0.8
4 GHz	1935	24.78	0.791
6 GHz	1924	25.04	0.972
8 GHz	1910	25.15	1.004
10 GHz	1919	25.42	1.276
12 GHz	1913	24.73	0.739
14 GHz	1930	25.04	0.699
16 GHz	1925	24.88	0.578
18 GHz	1922	25.3	1.16

RF Input Power (dbm)	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5
2 GHz	191	309	422	548	670	810	953	1080	1207	1338	1452	1590	1719	1843	1947	2068
4 GHz	218	339	455	573	691	803	931	1048	1177	1304	1433	1570	1705	1829	1935	2062
6 GHz	193	312	424	548	667	785	907	1024	1155	1283	1418	1562	1698	1821	1924	2044
8 GHz	175	287	400	525	645	770	892	1010	1140	1269	1406	1541	1681	1804	1909	2033
10 GHz	172	283	396	519	635	761	883	1006	1134	1261	1407	1557	1696	1817	1918	2038
12 GHz	195	314	426	548	671	794	919	1035	1164	1293	1424	1544	1684	1805	1906	2027
14 GHz	188	304	418	544	668	802	934	1052	1183	1317	1434	1557	1695	1816	1917	2038
16 GHz	193	311	424	550	676	803	935	1052	1180	1306	1427	1552	1691	1812	1915	2041
18 GHz	181	294	408	535	651	770	888	1009	1142	1275	1409	1556	1693	1816	1923	2054

Measured Value (mV)	191	309	422	548	670	810	953	1080	1207	1338	1452	1590	1719	1843	1947	2068
ERROR (mV)	11	2	-12	-13	-19	-6	10	9	9	13	0	10	12	9	-15	-21
LINEARITY ERROR (dB)	0.45	0.08	-0.48	-0.53	-0.73	-0.24	0.38	0.37	0.36	0.51	-0.02	0.41	0.47	0.34	-0.57	-0.82

Measured Value (mV)	193	312	424	548	667	785	907	1024	1155	1283	1418	1562	1698	1821	1924	2044
ERROR (mV)	22	15	2	1	-5	-12	-16	-24	-18	-15	-5	14	24	22	0	-5
LINEARITY ERROR (dB)	0.86	0.62	0.09	0.04	-0.21	-0.49	-0.62	-0.95	-0.72	-0.60	-0.21	0.54	0.97	0.89	0.00	-0.21

Measured Value (mV)	175	287	400	525	645	770	892	1010	1140	1269	1406	1541	1681	1804	1909	2033
ERROR (mV)	25	12	-1	-2	-8	-9	-12	-20	-16	-13	-1	8	22	19	-1	-3
LINEARITY ERROR (dB)	1.00	0.46	-0.05	-0.08	-0.31	-0.34	-0.49	-0.80	-0.63	-0.50	-0.05	0.31	0.88	0.77	-0.05	-0.12

Measured Value (mV)	172	283	396	519	635	761	883	1006	1134	1261	1407	1557	1696	1817	1918	2038
ERROR (mV)	32	16	2	-2	-13	-14	-19	-23	-22	-22	-3	20	31	25	-1	-8
LINEARITY ERROR (dB)	1.28	0.64	0.09	-0.07	-0.51	-0.55	-0.75	-0.91	-0.87	-0.88	-0.13	0.77	1.24	1.00	-0.03	-0.31

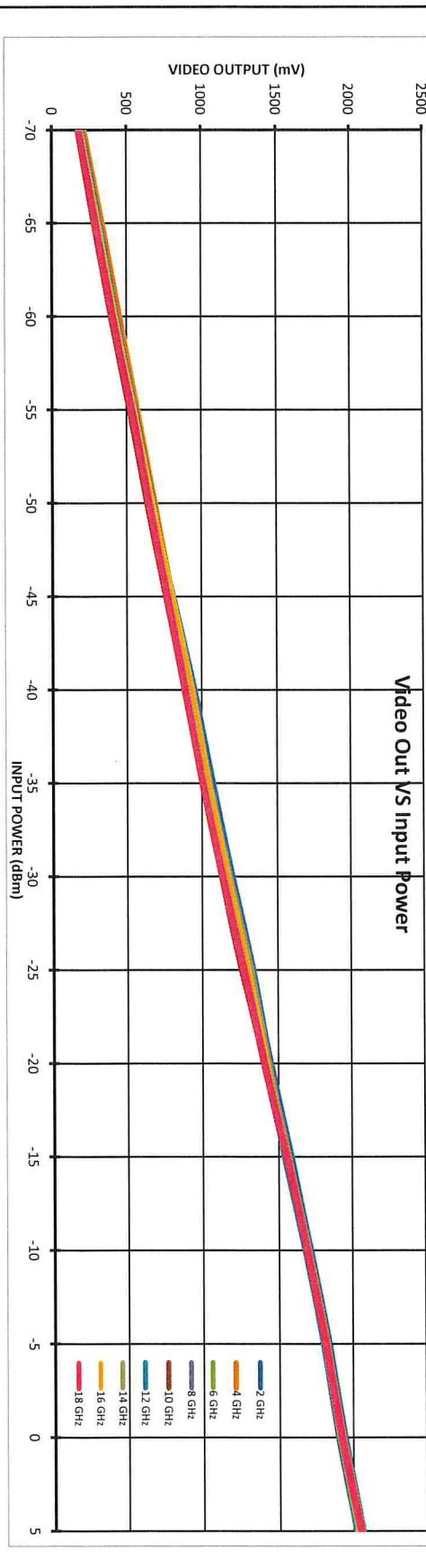
Measured Value (mV)	195	314	426	548	671	794	919	1035	1164	1293	1424	1544	1684	1805	1906	2027
ERROR (mV)	13	8	-3	-5	-6	-6	-5	-12	-7	-2	6	2	18	16	-7	-10
LINEARITY ERROR (dB)	0.53	0.34	-0.13	-0.20	-0.22	-0.25	-0.20	-0.50	-0.29	-0.07	0.23	0.08	0.74	0.63	-0.28	-0.39

Measured Value (mV)	188	304	418	544	668	802	934	1052	1183	1317	1434	1557	1695	1816	1917	2038
ERROR (mV)	10	1	-10	-9	-11	-2	5	4	4	13	4	2	15	11	-13	-18
LINEARITY ERROR (dB)	0.40	0.04	-0.41	-0.38	-0.42	-0.07	0.20	-0.08	0.15	0.50	0.17	0.09	0.60	0.43	-0.53	-0.70

Measured Value (mV)	193	311	424	550	676	803	935	1052	1180	1306	1427	1552	1691	1812	1915	2041
ERROR (mV)	9	3	-8	-7	-5	-3	5	1	3	3	-1	0	14	11	-10	-9
LINEARITY ERROR (dB)	0.38	0.12	-0.34	-0.28	-0.21	-0.11	0.20	-0.10	0.04	0.11	-0.03	-0.01	0.58	0.44	-0.42	-0.36

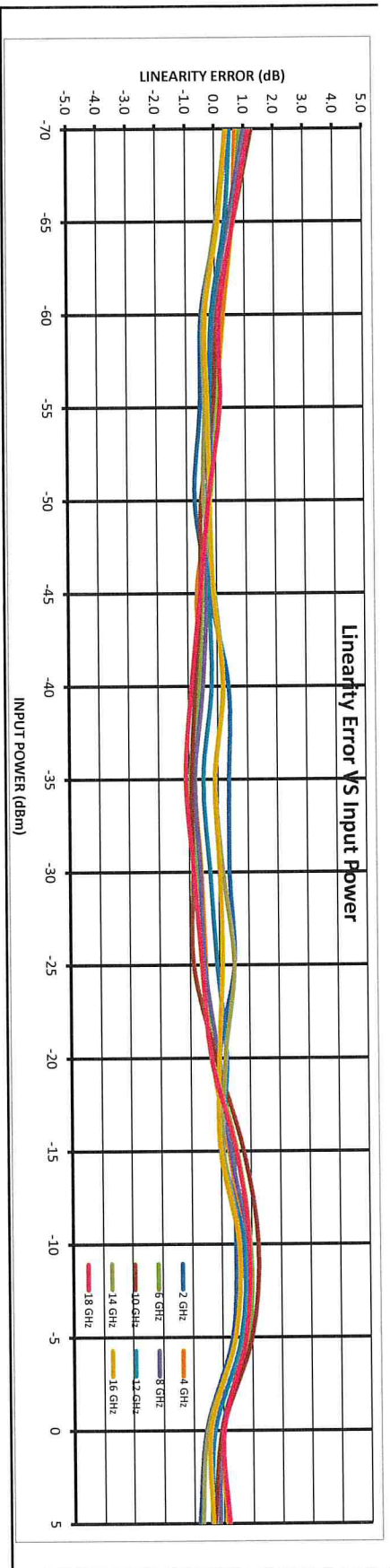
Measured Value (mV)	181	294	408	535	651	770	888	1009	1142	1275	1409	1556	1693	1816	1923	2054
ERROR (mV)	29	16	3	4	-7	-14	-23	-28	-21	-15	-7	13	24	20	1	5
LINEARITY ERROR (dB)	1.16	0.63	0.13	0.15	-0.26	-0.56	-0.89	-1.11	-0.85	-0.59	-0.29	0.52	0.93	0.80	0.03	0.20

Avg. Slope: 25.1 mV/dB	0.9	1.1	1.2	1.1	1.1	1	1.4	1.5	1.5	0.9	1	0.8	0.8	0.8	0.8
Flatness: dB: ±1.5 dB															



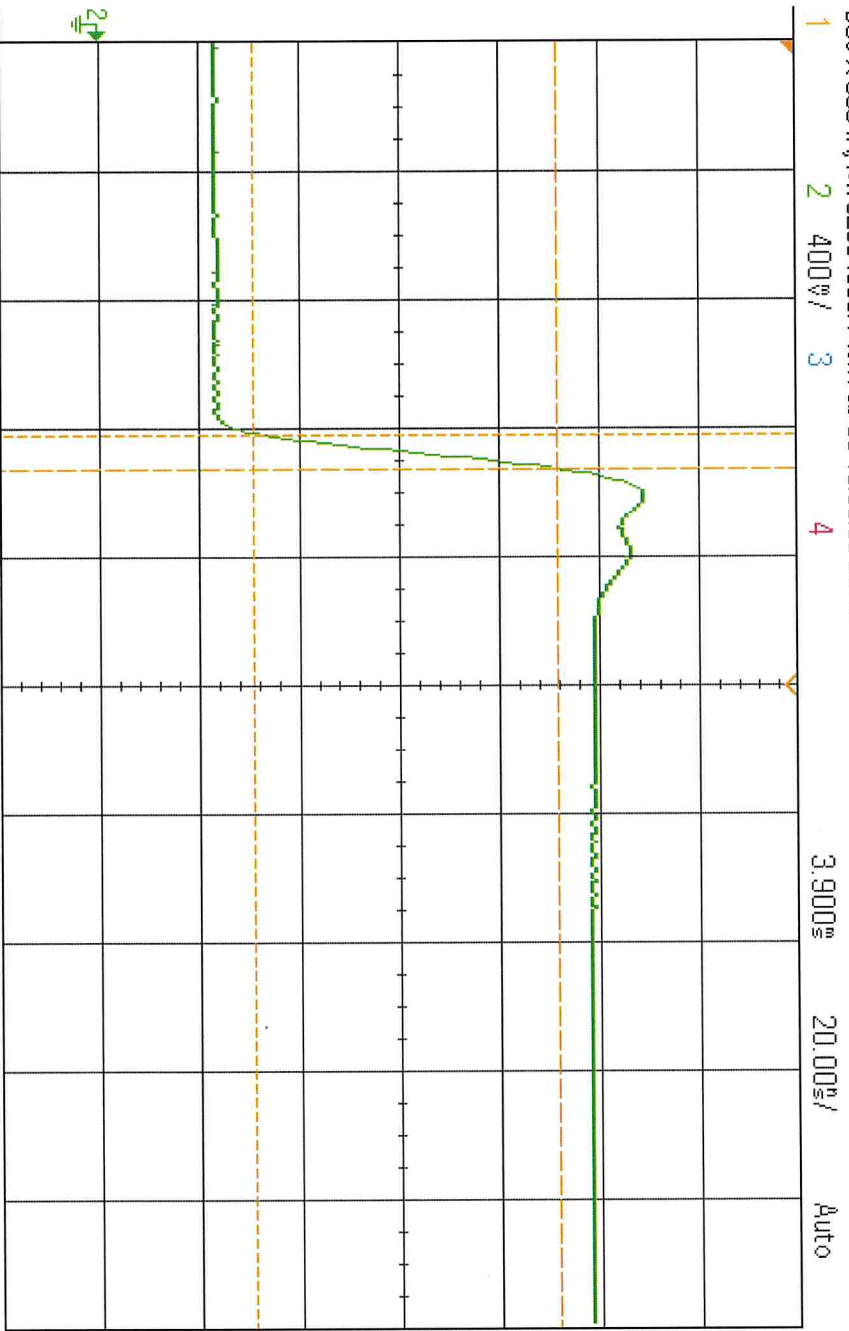
Frequency	2 GHz	4 GHz	6 GHz	8 GHz	10 GHz	12 GHz	14 GHz	16 GHz	18 GHz
Measured Value (mV)	191	218	193	175	172	195	188	193	181
ERROR (mV)	11	18	22	25	32	13	10	9	29
LINEARITY ERROR (dB)	0.45	0.72	0.86	1.00	1.28	0.53	0.40	0.38	1.16

PL43761
85°C



PL43761
Rise Time

DSO-X 3034A, MW52394003: Mon Feb 05 15:36:53 2024



f 4 2.35V

KEYSIGHT TECHNOLOGIES
Acquisition
Averaging: 16
4,006Sa/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):	5.3ns

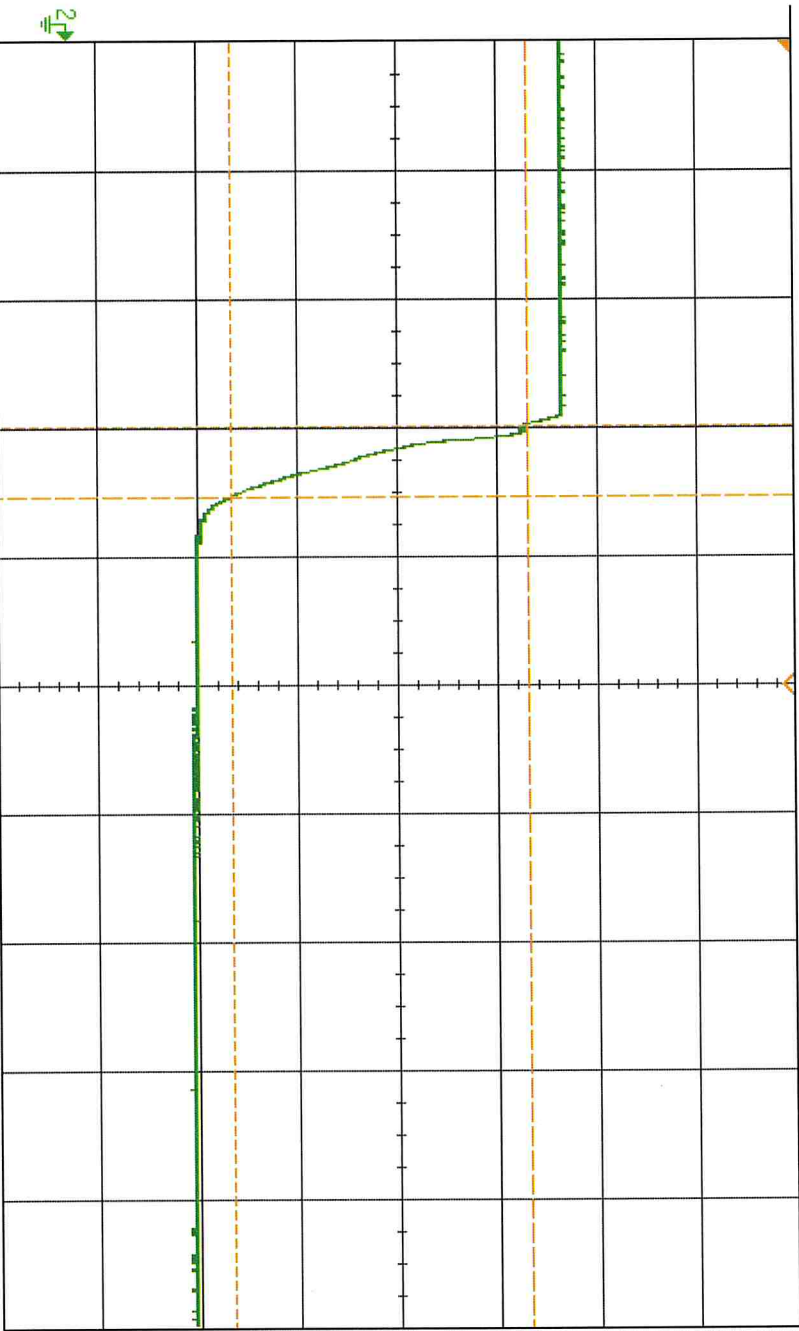
Acquire Menu
Acq Mode
Averaging

Avgs
16

Segmented

PL43761
Recovery

DSO-X 3034A, MW52394003: Mon Feb 05 15:37:55 2024
 1 2 400% / 3 4 3.950V 100.0% / Auto f 4 2.35V



Channels	DC	1.00:1
	DC	1.00:1
	DC	1.00:1
	DC	1.00:1
Measurements		
Rise(2):	No edges	
Fall(2):	54.8ns	

Measurement Menu

Source 2

Type: Fall

Add Measurement

Settings

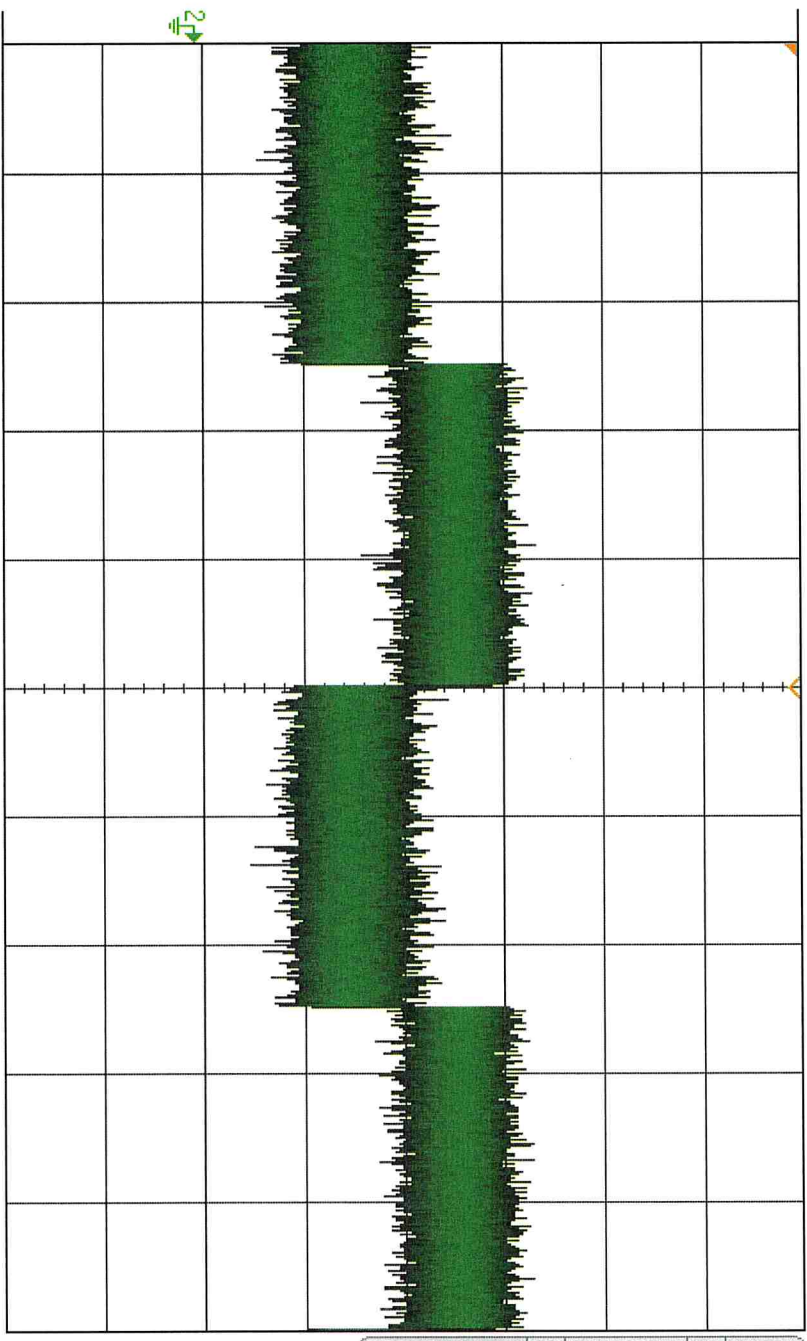
Clear Meas

Statistics

P143761
TSS - 71

DSO-X 3034A, MW52394003, Mon Feb 05 15:35:31 2024

1 2 100% / 3 4 3.950e 20.00e / Auto f 4 2.35V



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.