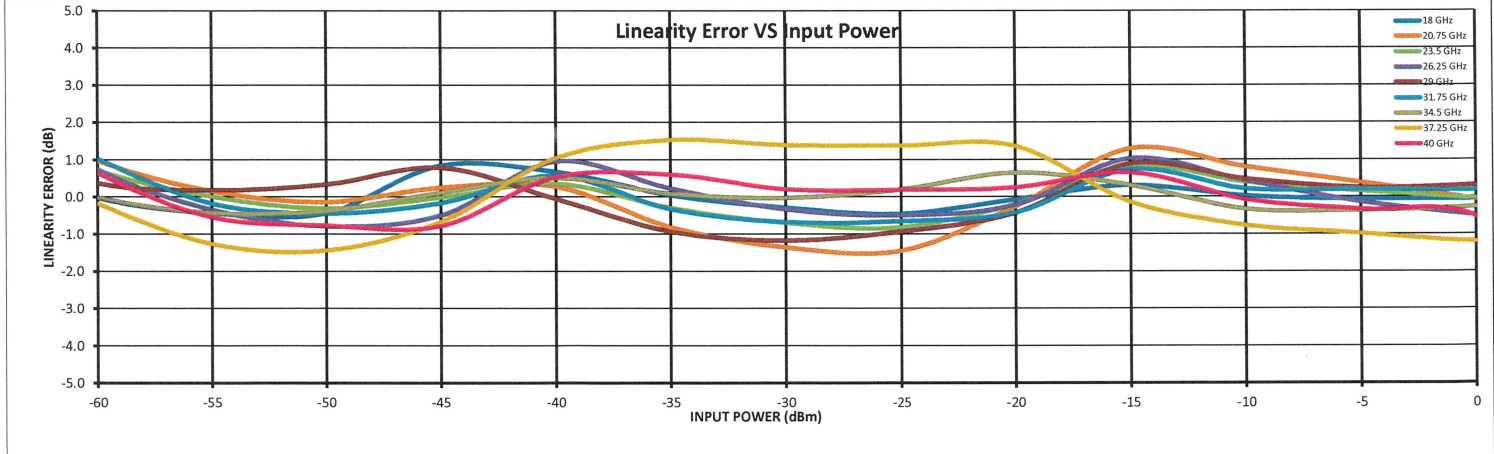
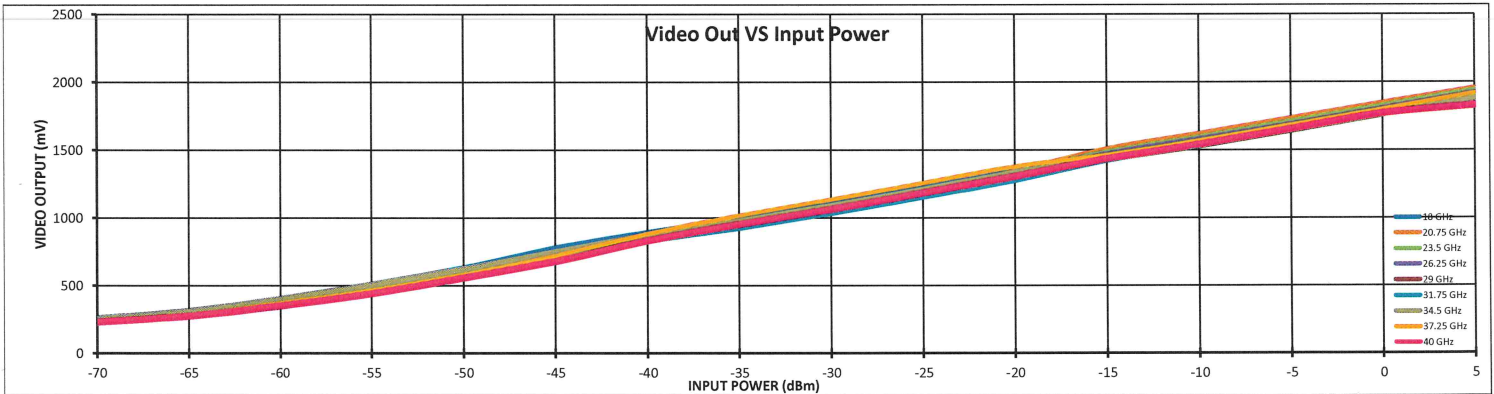


Log Transfer Over Frequency -40°C

Video offset: 204 mA

Frequency	INTERCEPT (mV)	SLOPE (mV/dB)	LIN. ERR. (dB)	RF Input Power (dBm)																Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)																
18 GHz	1815	23.6	0.8	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	256	310	400	508	626	774	888	991	1101	1215	1342	1469	1580	1696	1814	1932	1815	1815	0.0
	91	27	-1	3.87	1.16	-0.03	-0.45	-0.44	0.83	0.67	0.04	-0.30	-0.46	-0.08	0.31	0.02	-0.06	-0.06	-0.05	256	310	400	508	626	774	888	991	1101	1215	1342	1469	1580	1696	1814	1932	1815	1815	0.0
	20.75 GHz	1843	24.9	1.5	239	288	375	479	596	730	855	952	1063	1185	1339	1502	1614	1728	1841	1951	137	62	24	4	-3	6	7	-21	-34	-36	-7	32	20	9	-2	-16	1843	1843
20.75 GHz	1843	24.9	1.5	5.50	2.47	0.97	0.16	-0.14	0.25	0.27	-0.82	-1.36	-1.46	-0.26	1.29	0.80	0.38	-0.08	-0.65	239	288	375	479	596	730	855	952	1063	1185	1339	1502	1614	1728	1841	1951	1843	1843	0.0
	1823	24.2	0.8	246	299	390	494	607	735	865	970	1081	1199	1335	1481	1591	1706	1822	1938	115	47	17	0	-8	-1	9	-7	-17	-20	-5	20	9	4	-1	-6	1823	1823	0.0
	26.25 GHz	1812	24.8	1.0	230	271	343	440	553	684	844	950	1060	1180	1311	1466	1575	1685	1800	1917	153	70	18	-9	-20	-13	23	5	-9	-13	-8	26	11	-3	-12	-19	1812	1812
26.25 GHz	1812	24.8	1.0	6.18	2.84	0.74	-0.35	-0.79	-0.51	0.94	0.22	-0.34	-0.50	-0.22	1.03	0.42	-0.14	-0.50	-0.78	230	271	343	440	553	684	844	950	1060	1180	1311	1466	1575	1685	1800	1917	1812	1812	0.0
	1765	23.1	1.2	243	297	388	499	618	744	840	935	1045	1166	1293	1439	1545	1655	1772	1890	94	33	9	4	8	18	-1	-22	-27	-22	-10	20	11	5	7	10	1765	1765	0.0
	31.75 GHz	1767	23.7	1.0	238	288	370	460	572	697	833	930	1040	1159	1283	1429	1535	1653	1771	1893	129	60	24	-4	-11	-4	13	-8	-16	-10	18	5	4	4	8	8	1767	1767
31.75 GHz	1767	23.7	1.0	5.44	2.55	1.02	-0.18	-0.45	-0.17	0.57	-0.33	-0.69	-0.66	-0.43	0.74	0.22	0.20	0.18	0.33	238	288	370	460	572	697	833	930	1040	1159	1283	1429	1535	1653	1771	1893	1767	1767	0.0
	1771	22.9	0.6	246	302	394	499	615	741	865	970	1082	1202	1327	1434	1534	1648	1765	1886	81	22	0	-10	-9	2	12	2	-1	4	15	7	-8	-8	-6	0	1771	1771	0.0
	37.25 GHz	1827	24.3	1.5	234	283	367	462	579	719	882	1015	1133	1254	1375	1460	1566	1682	1798	1919	105	33	-4	-31	-35	-16	25	37	34	33	33	-3	-19	-24	-29	-30	1827	1827
37.25 GHz	1827	24.3	1.5	4.34	1.36	-0.18	-1.27	-1.45	-0.68	1.04	1.52	1.39	1.37	1.36	-0.14	-0.77	-0.99	-1.21	-1.22	234	283	367	462	579	719	882	1015	1133	1254	1375	1460	1566	1682	1798	1919	1827	1827	0.0
	1780	24.1	0.8	229	274	350	442	557	677	829	951	1062	1182	1304	1434	1537	1651	1767	1827	135	60	15	-13	-18	-19	13	14	5	4	8	16	-2	-8	-13	-73	1780	1780	0.0
	40 GHz	1780	24.1	0.8	5.62	2.49	0.64	-0.54	-0.76	-0.78	0.53	0.59	0.20	0.18	0.25	0.65	-0.08	-0.35	-0.53	-3.04	229	274	350	442	557	677	829	951	1062	1182	1304	1434	1537	1651	1767	1827	1780	1780
Avg. Slope: 23.9 mV/dB				0.6	0.8	1.2	1.4	1.5	2	1.2	1.8	1.9	2	1.9	1.5	1.7	1.7	1.6	2.6	Flatness dB: ±2 dB																		



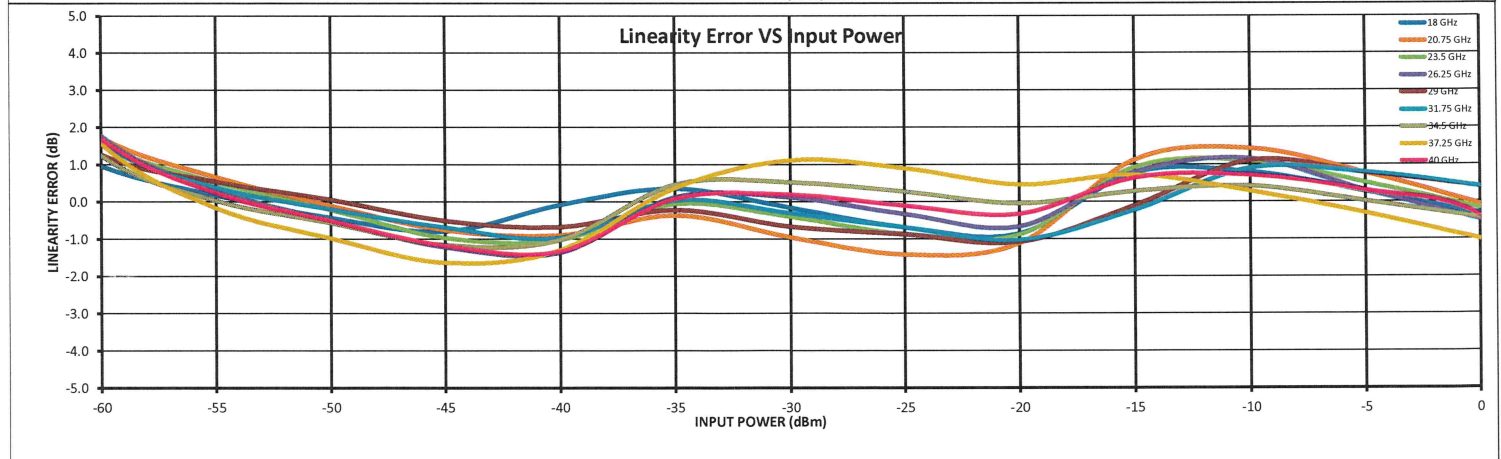
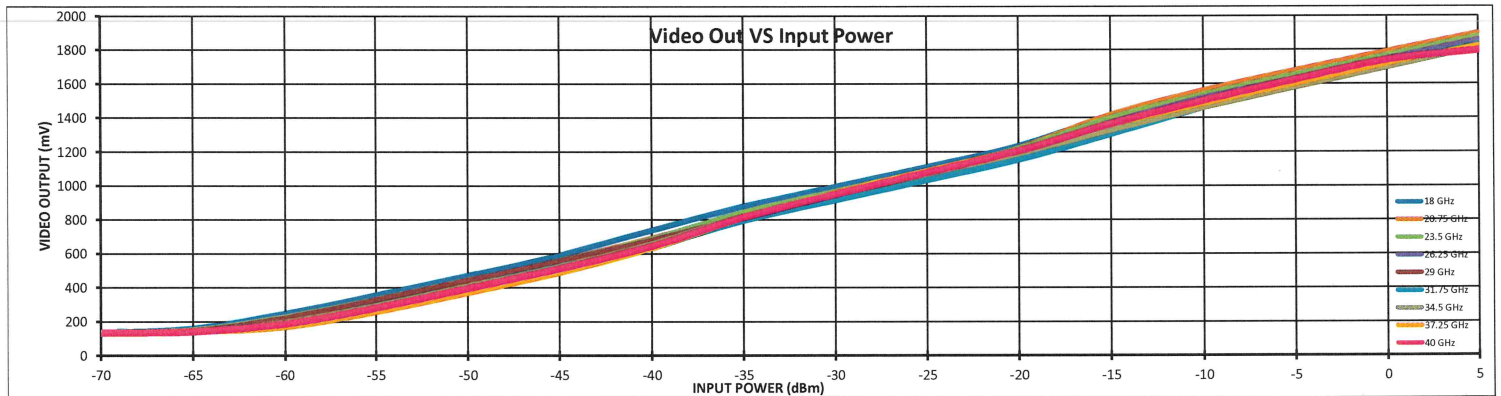
Log Transfer Over Frequency +85°C

Video offset: 131 mA

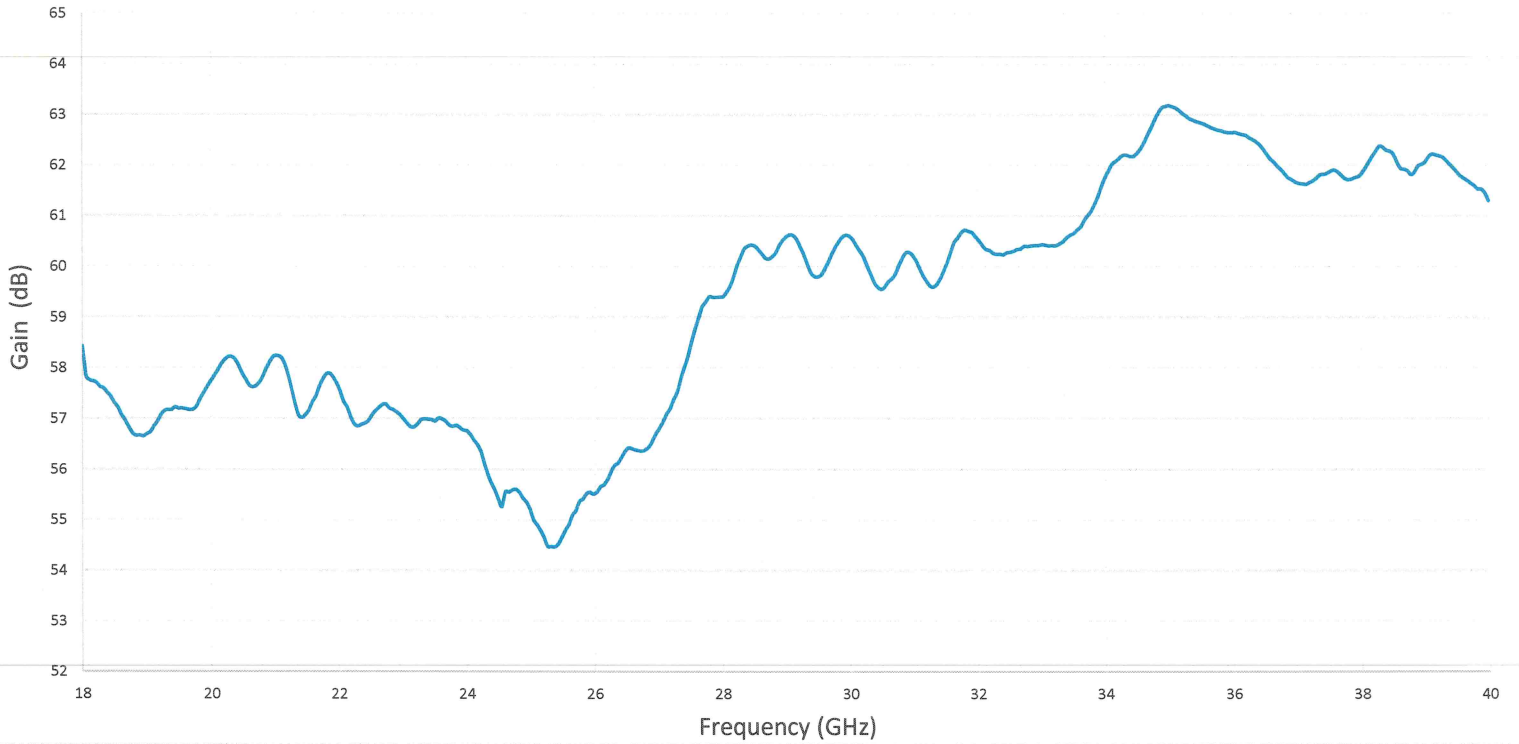
Frequency	INTERCEPT (mV)	SLOPE (mV/dB)	LIN. ERR. (dB)	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
18 GHz	1774	25.9	1.0	136	157	245	354	468	588	736	877	993	1109	1234	1406	1536	1652	1766	1879	Measured Value (mV)
				175	66	25	4	-11	-21	-2	9	-4	-18	-22	20	21	7	-8	-25	Error (mV)
				6.75	2.56	0.96	0.17	-0.43	-0.80	-0.09	0.36	-0.16	-0.68	-0.86	0.78	0.80	0.28	-0.32	-0.96	LINEARITY ERROR (dB)
20.75 GHz	1790	26.9	1.7	134	148	220	326	440	557	688	837	956	1078	1221	1416	1559	1676	1788	1896	Measured Value (mV)
				230	109	47	18	-3	-21	-24	-10	-26	-38	-30	30	38	21	-2	-25	Error (mV)
				8.54	4.06	1.73	0.66	-0.11	-0.76	-0.90	-0.37	-0.95	-1.43	-1.12	1.12	1.43	0.77	-0.77	-1.06	LINEARITY ERROR (dB)
23.5 GHz	1772	26.5	1.6	134	149	225	330	443	555	686	844	967	1087	1219	1399	1536	1653	1767	1879	Measured Value (mV)
				215	97	41	14	-6	-26	-27	-1	-11	-23	-24	24	14	8	-5	-25	Error (mV)
				8.11	3.68	1.55	0.52	-0.21	-0.98	-1.03	-0.06	-0.41	-0.87	-0.88	0.92	1.10	0.52	-0.17	-0.94	LINEARITY ERROR (dB)
26.25 GHz	1757	27.2	1.8	132	138	171	268	381	498	630	807	943	1067	1194	1370	1516	1629	1744	1857	Measured Value (mV)
				282	152	48	9	-14	-33	-37	3	3	-9	-18	22	31	8	-13	-36	Error (mV)
				10.34	5.56	1.77	0.33	-0.52	-1.22	-1.38	0.12	0.12	-0.33	-0.67	0.79	1.15	0.30	-0.48	-1.33	LINEARITY ERROR (dB)
29 GHz	1704	25.3	1.3	134	147	220	328	442	554	676	814	929	1050	1171	1322	1479	1597	1714	1829	Measured Value (mV)
				199	85	32	14	1	-13	-17	-6	-17	-22	-27	-3	28	20	10	-1	Error (mV)
				7.86	3.38	1.27	0.54	0.05	-0.51	-0.68	-0.22	-0.67	-0.88	-1.09	-0.11	1.11	0.78	0.41	-0.04	LINEARITY ERROR (dB)
31.75 GHz	1698	25.8	1.6	133	141	192	290	404	520	642	797	917	1036	1156	1306	1464	1590	1709	1826	Measured Value (mV)
				240	119	41	10	-5	-18	-25	1	-8	-18	-27	-6	23	20	11	-1	Error (mV)
				9.29	4.60	1.58	0.38	-0.20	-0.70	-0.97	0.04	-0.30	-0.69	-1.04	-0.22	0.91	0.79	0.41	-0.06	LINEARITY ERROR (dB)
34.5 GHz	1712	25.9	1.2	133	141	191	289	403	517	650	818	949	1072	1193	1331	1464	1583	1701	1819	Measured Value (mV)
				233	112	32	1	-15	-30	-27	12	14	7	-1	7	11	0	-11	-22	Error (mV)
				9.00	4.31	1.24	0.03	-0.57	-1.17	-1.03	0.46	0.52	0.27	-0.05	0.28	0.42	0.02	-0.43	-0.87	LINEARITY ERROR (dB)
37.25 GHz	1740	27.0	1.6	132	136	164	252	365	482	626	806	961	1090	1213	1355	1478	1597	1713	1829	Measured Value (mV)
				280	149	42	-5	-26	-44	-35	10	30	24	12	19	8	-8	-27	-46	Error (mV)
				10.38	5.53	1.57	-0.17	-0.98	-1.64	-1.30	0.37	1.11	0.90	0.46	0.72	0.28	-0.31	-1.01	-1.71	LINEARITY ERROR (dB)
40 GHz	1749	26.8	1.7	133	140	186	281	395	511	641	813	950	1076	1204	1364	1500	1623	1739	1796	Measured Value (mV)
				261	133	45	6	-14	-32	-36	2	5	-3	-9	17	19	8	-10	-87	Error (mV)
				9.72	4.98	1.69	0.24	-0.51	-1.18	-1.33	0.08	0.19	-0.11	-0.33	0.63	0.71	0.30	-0.38	-3.25	LINEARITY ERROR (dB)

Avg. Slope: 26.4 mV/dB

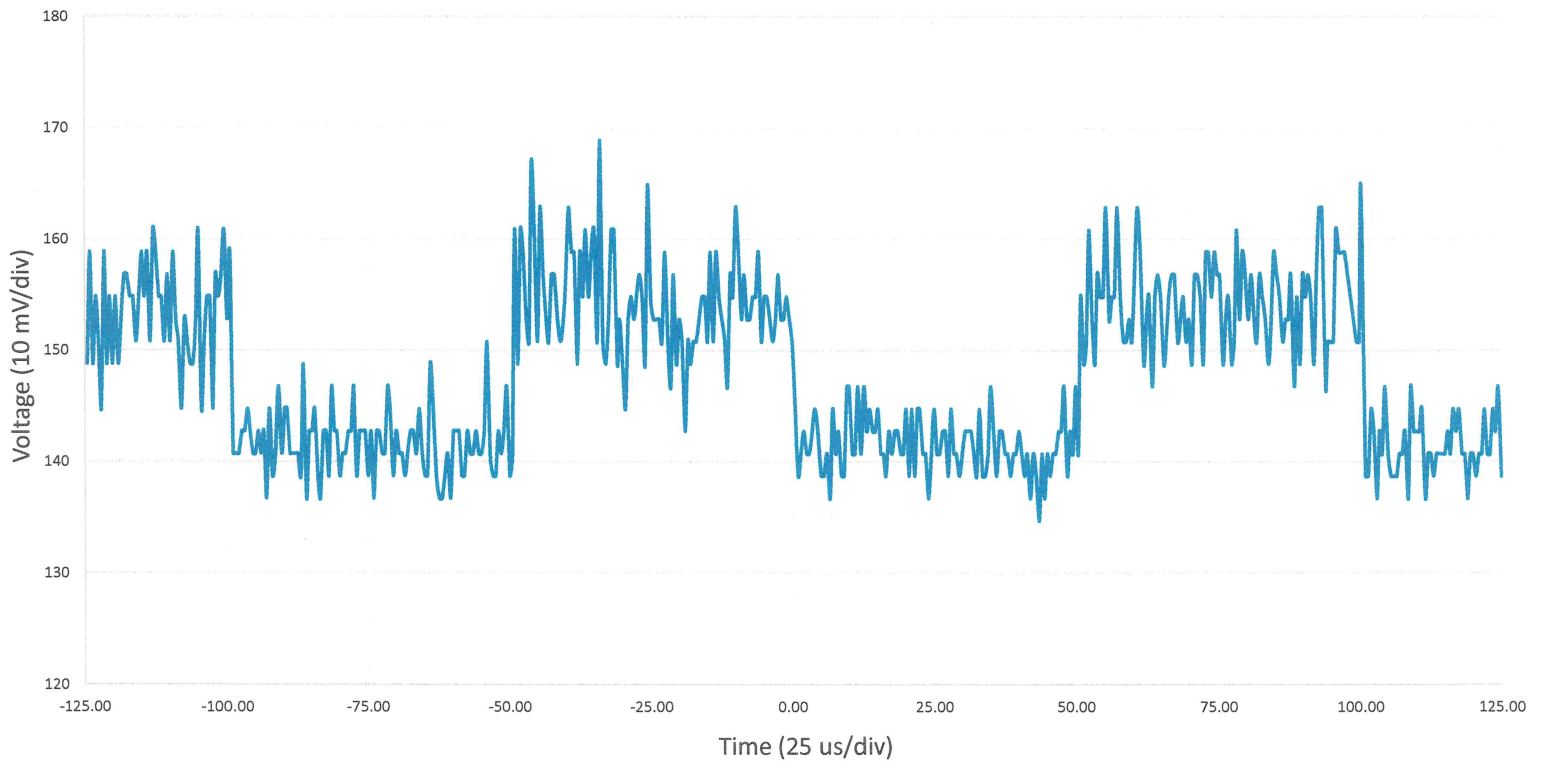
0.1 0.4 1.5 1.9 2 2 2.1 1.5 1.4 1.4 1.5 2.1 1.8 1.8 1.7 1.9 Flatness dB: ±2.1 dB



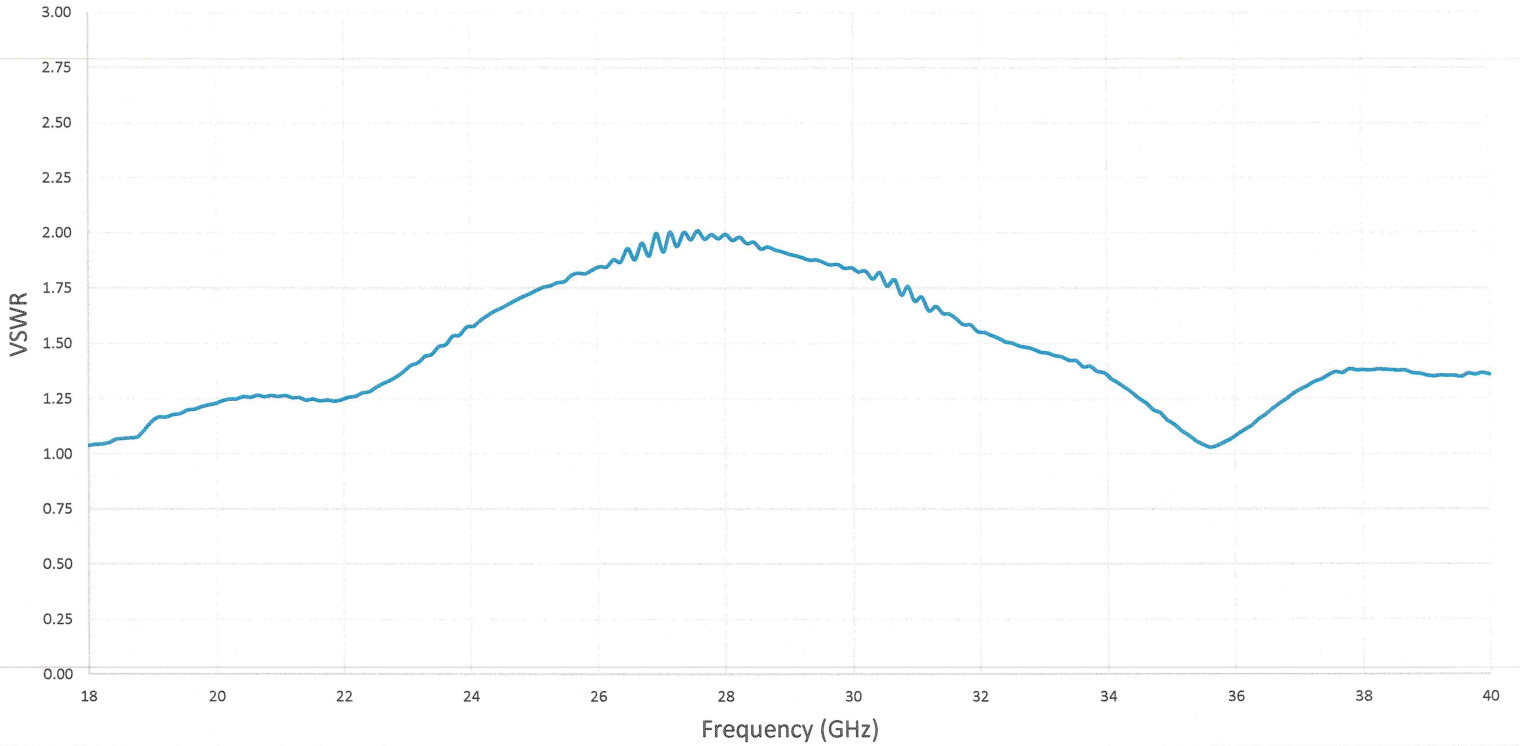
Typical Gain 59.28 dB @+25°C



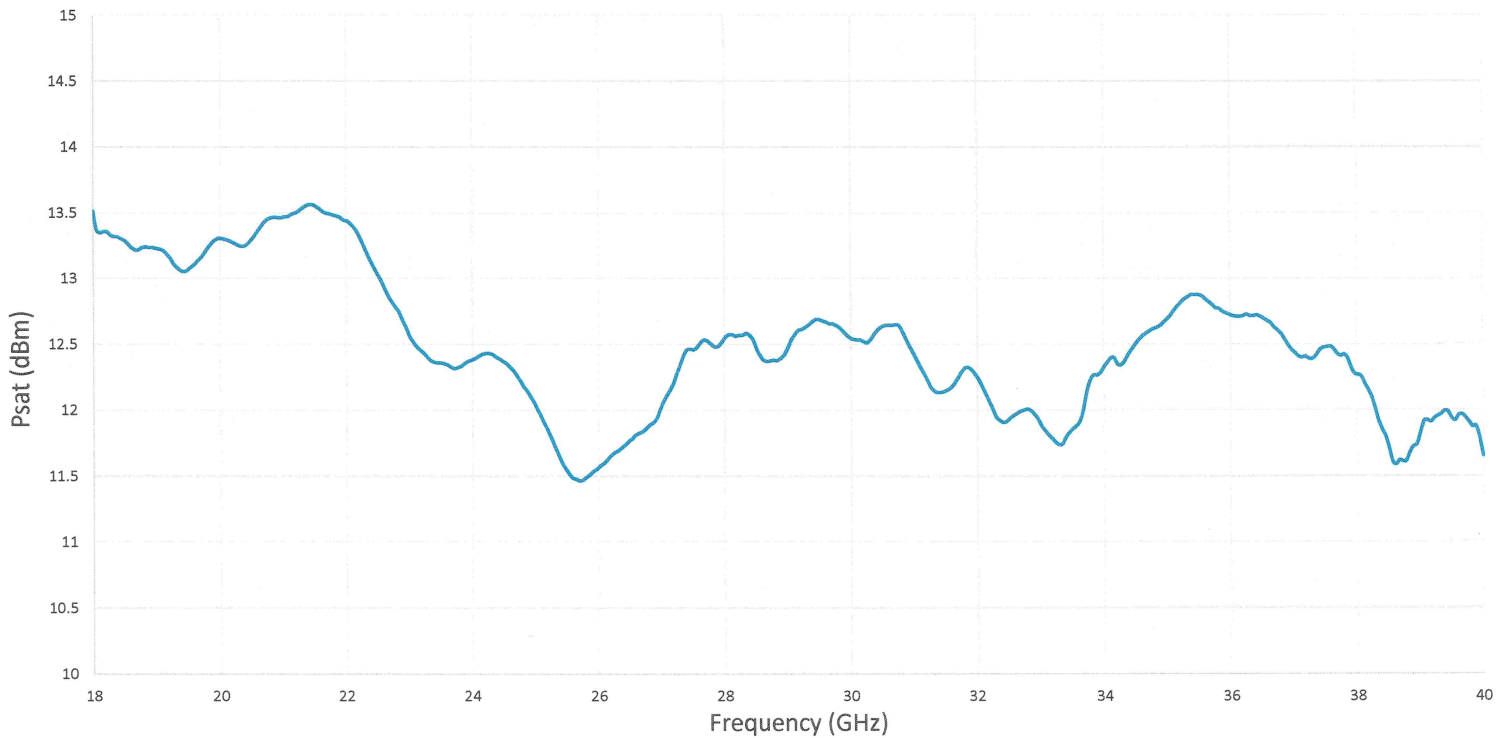
TSS @ -72.2 dBm @+25°C

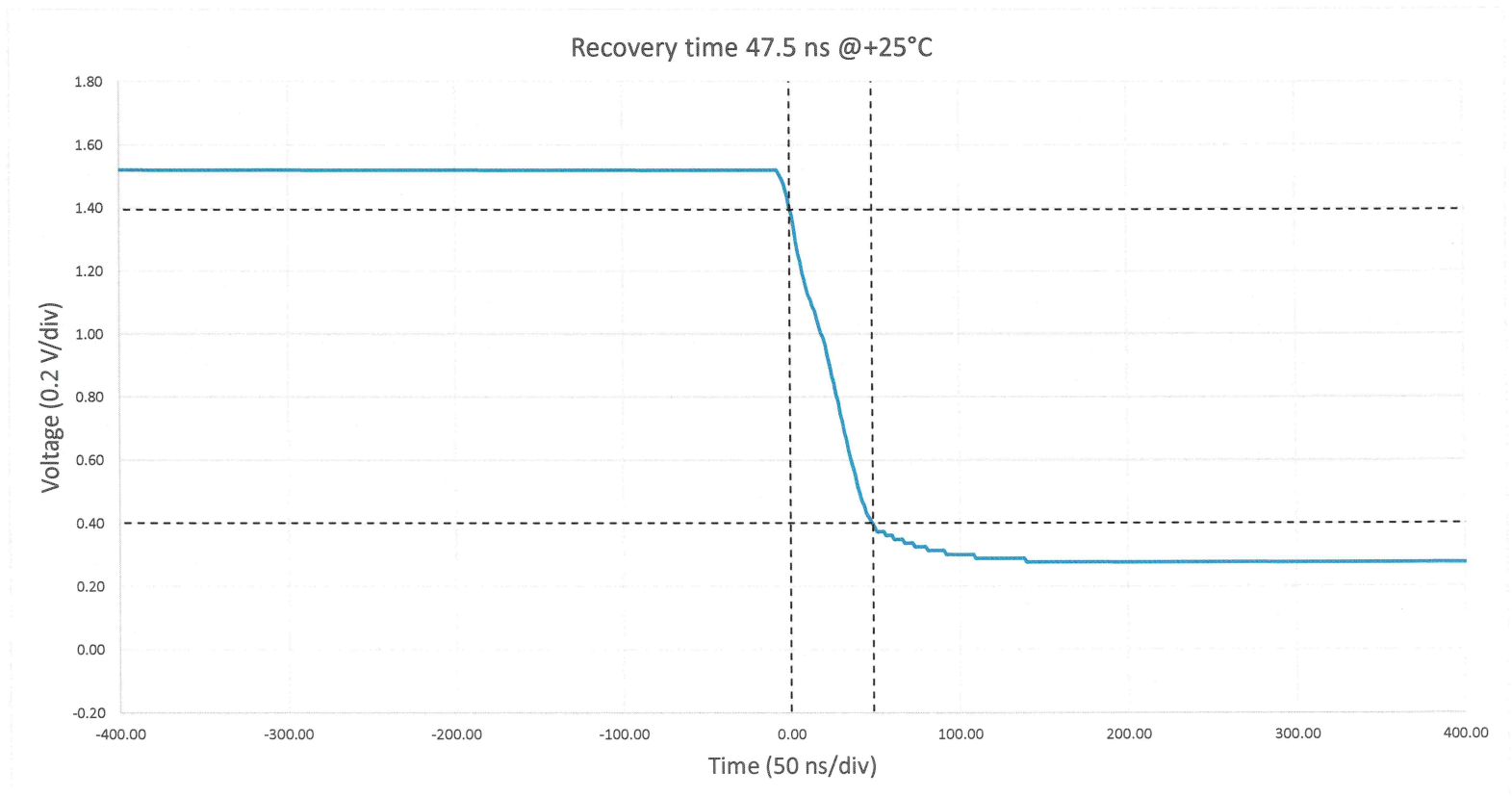
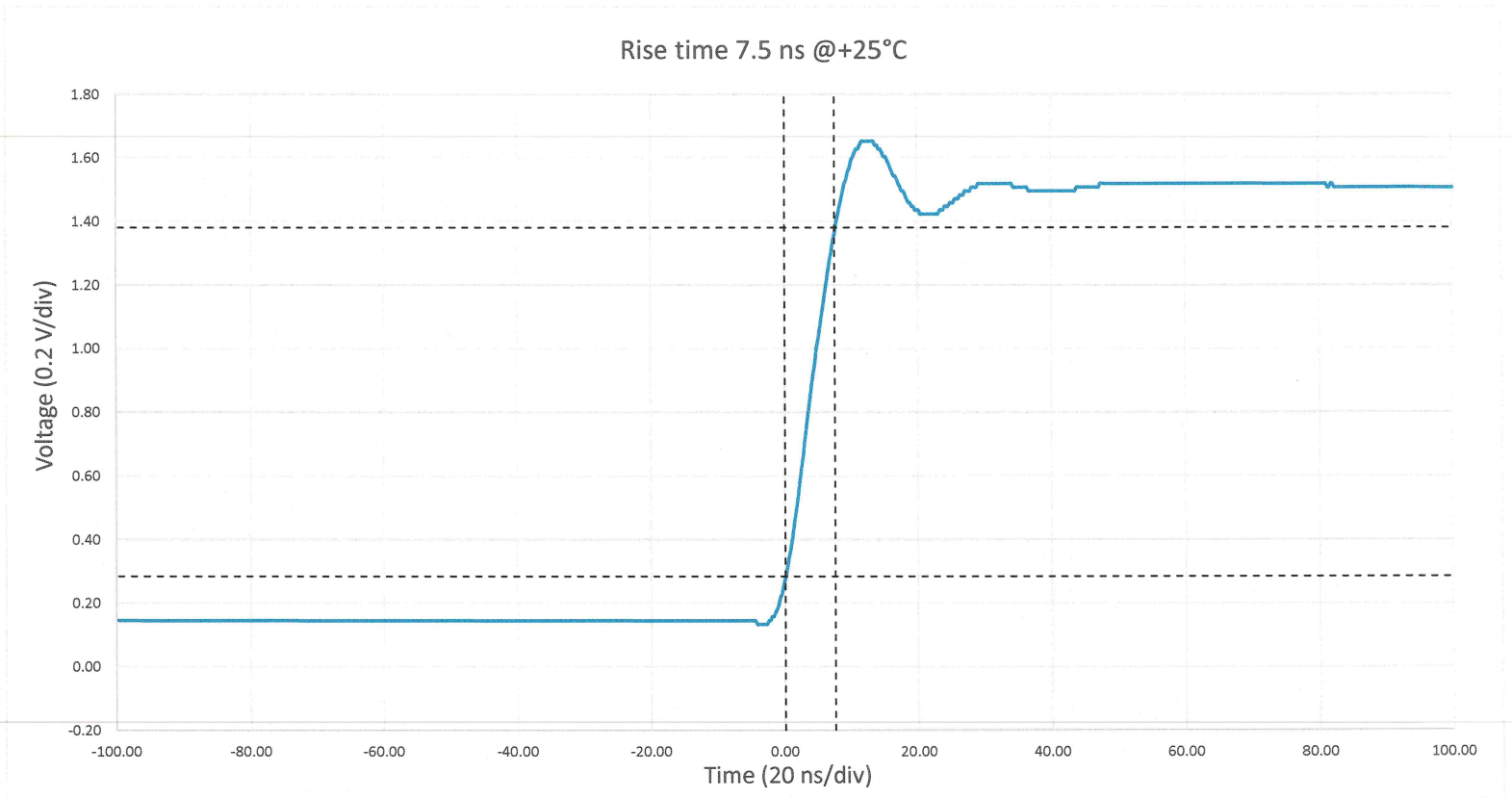


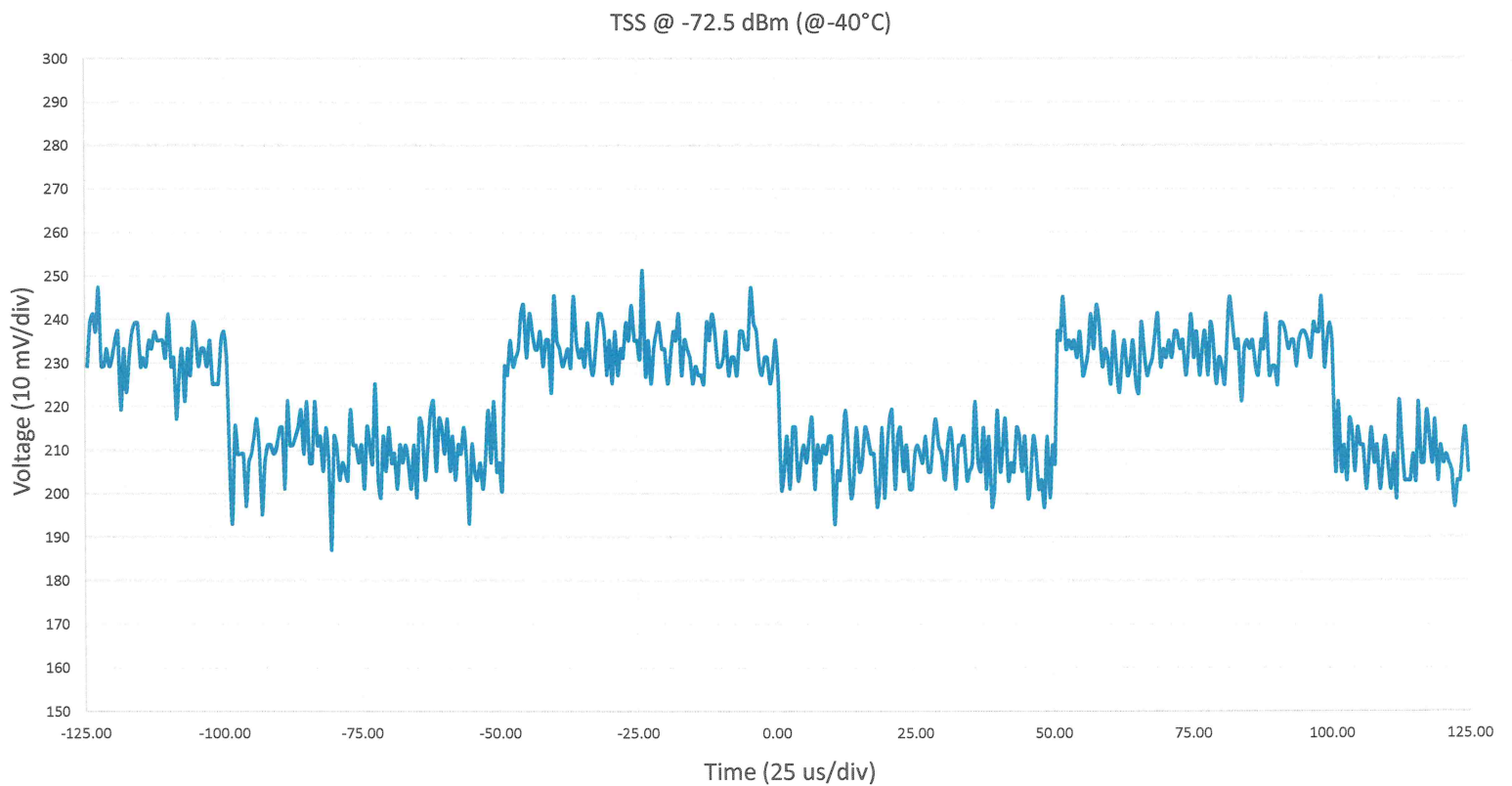
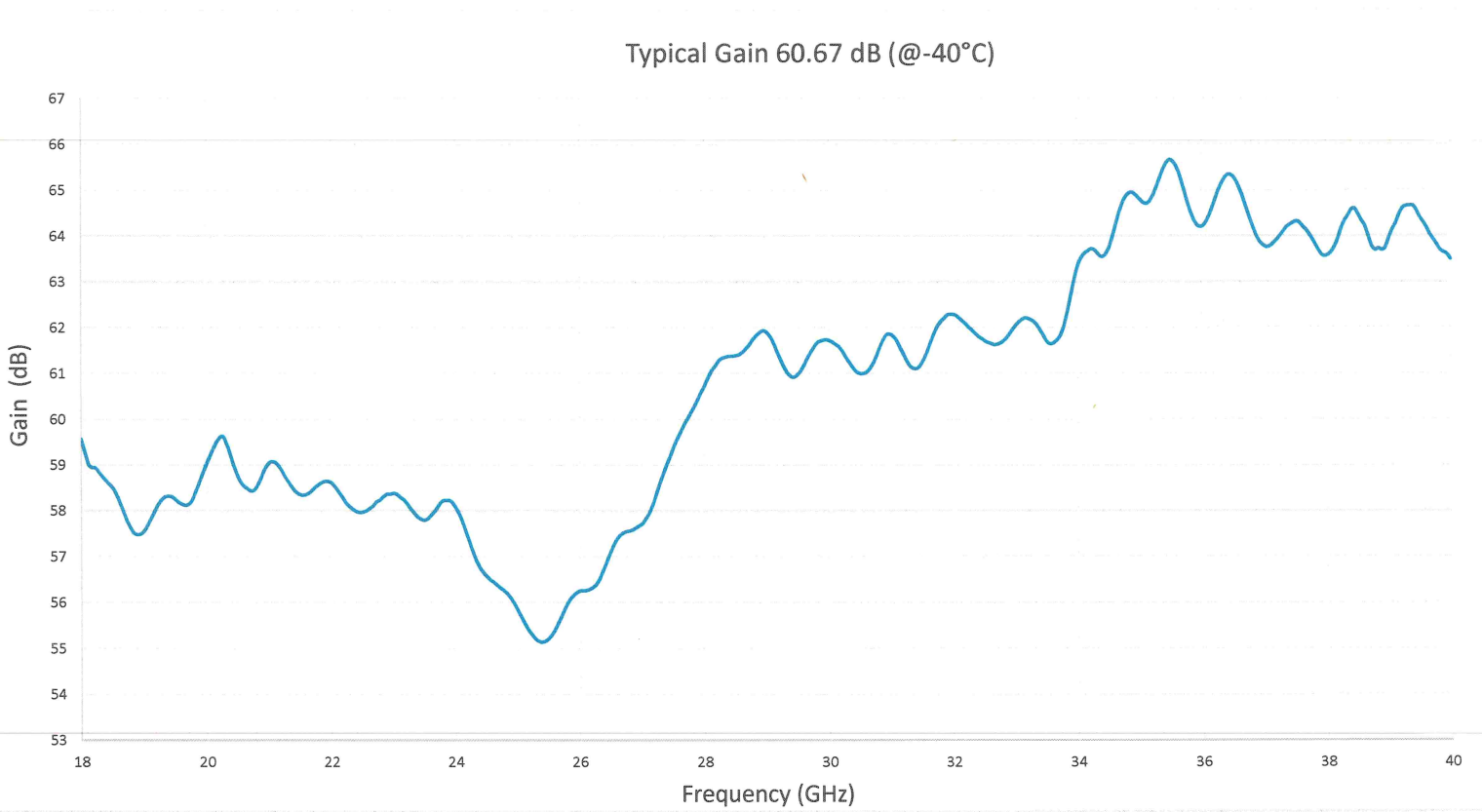
VSWR 2.01:1 @+25°C



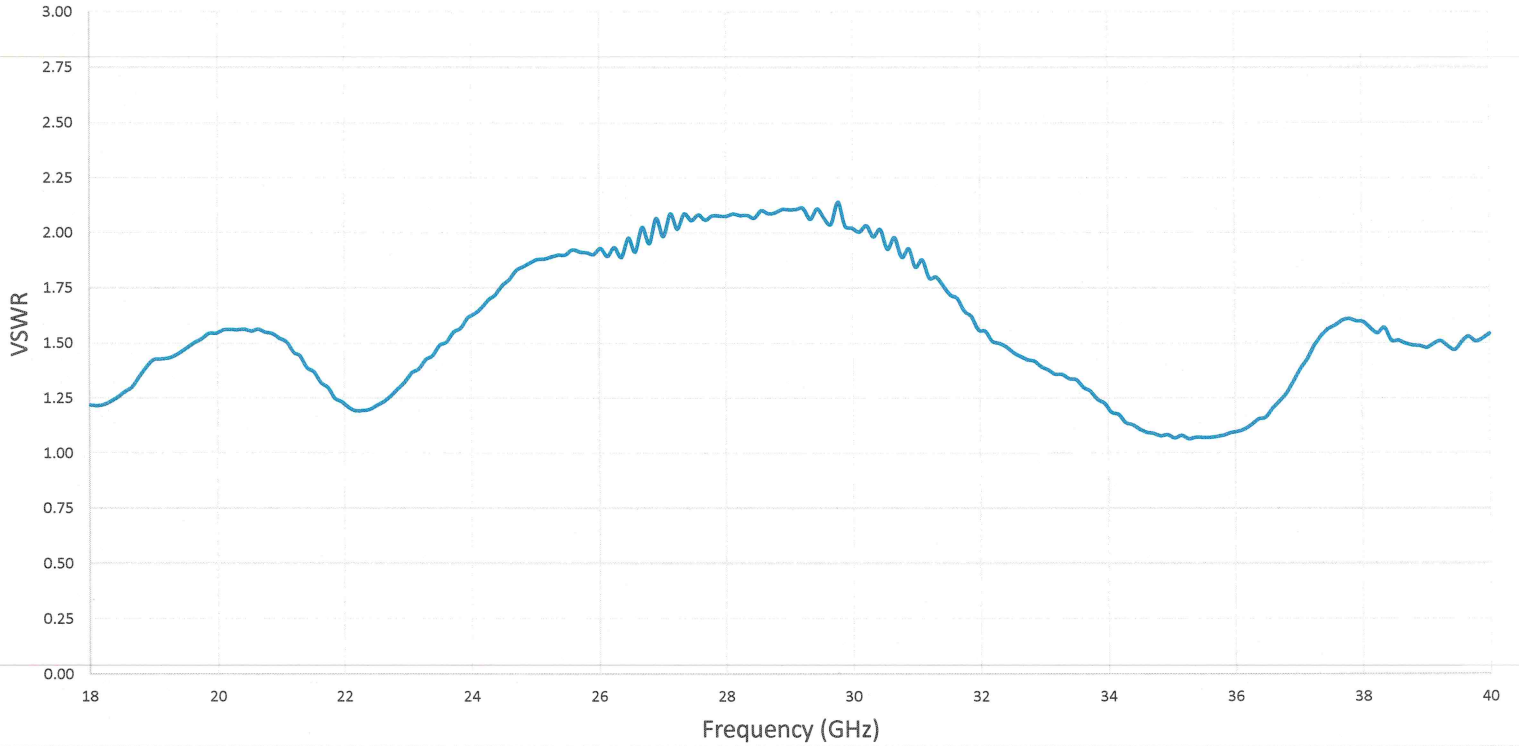
Typical Psat 12.49 dBm @+25°C



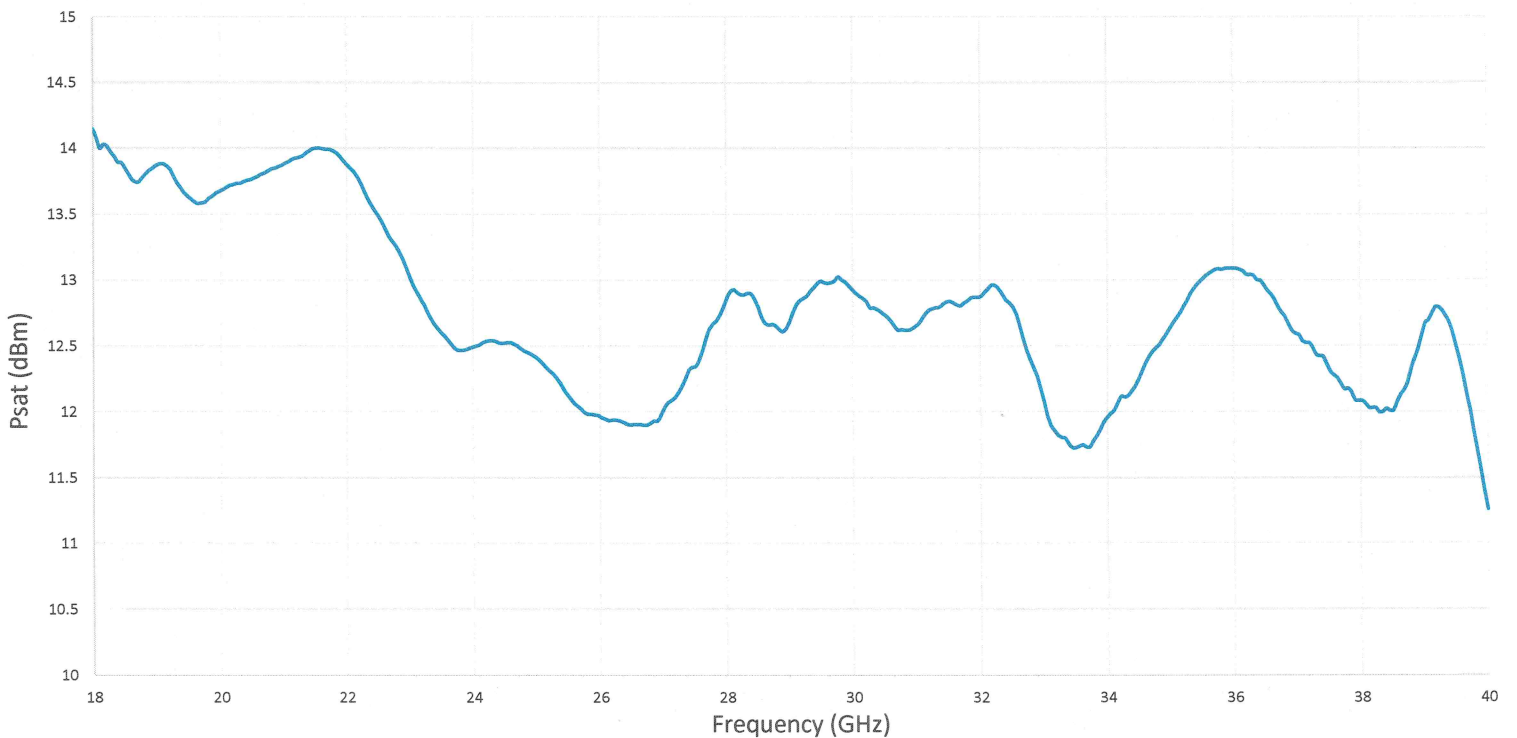




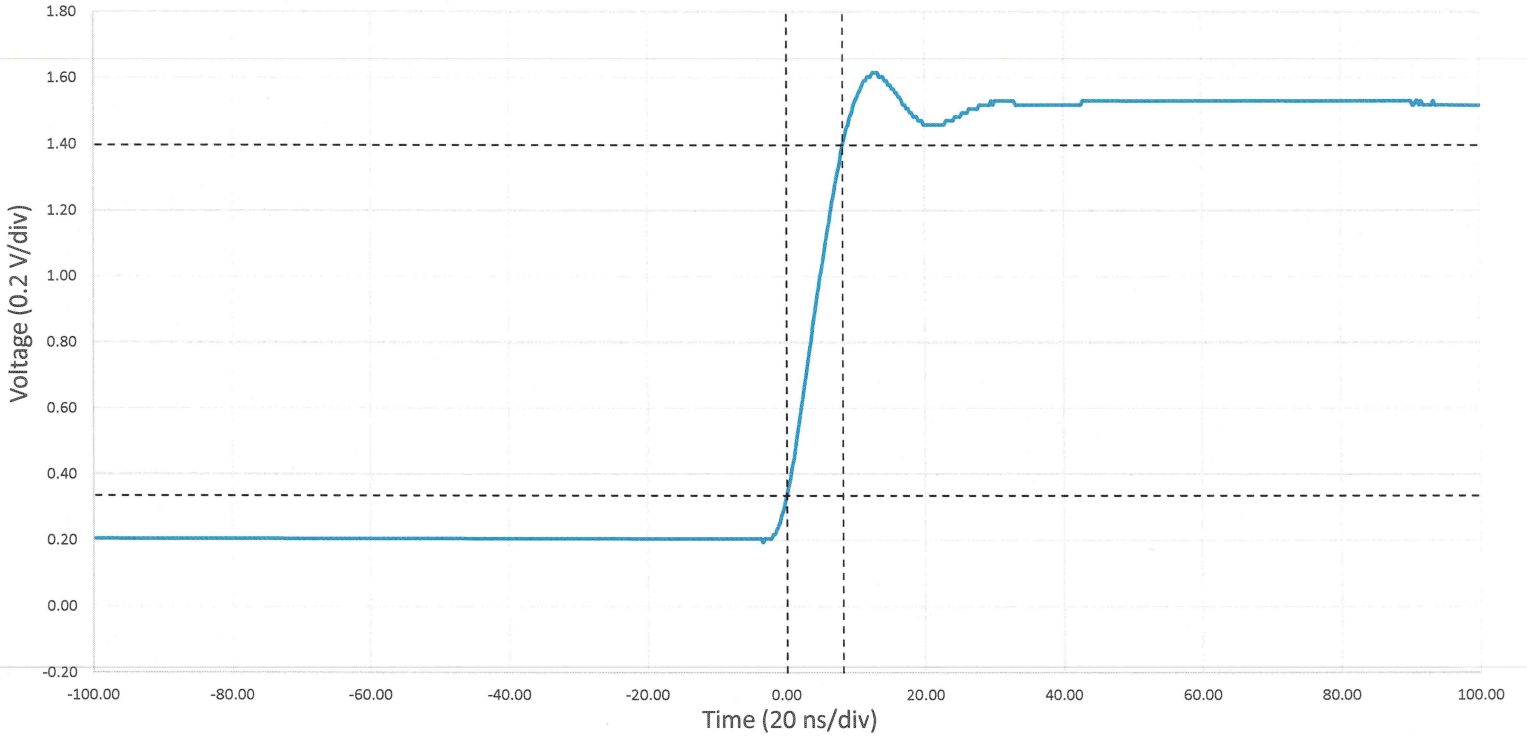
VSWR 2.14:1 (@-40°C)



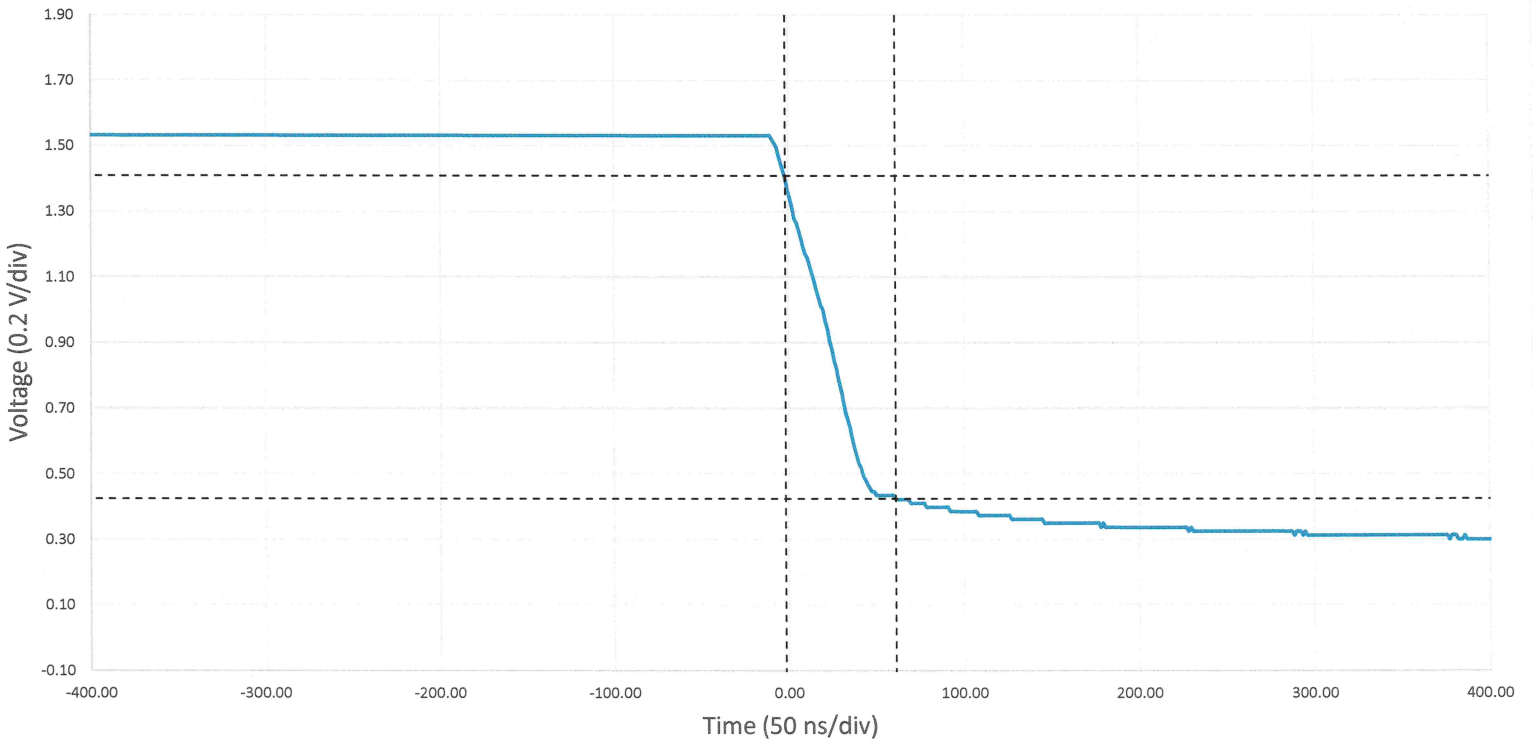
Typical Psat 12.77 dBm (@-40°C)



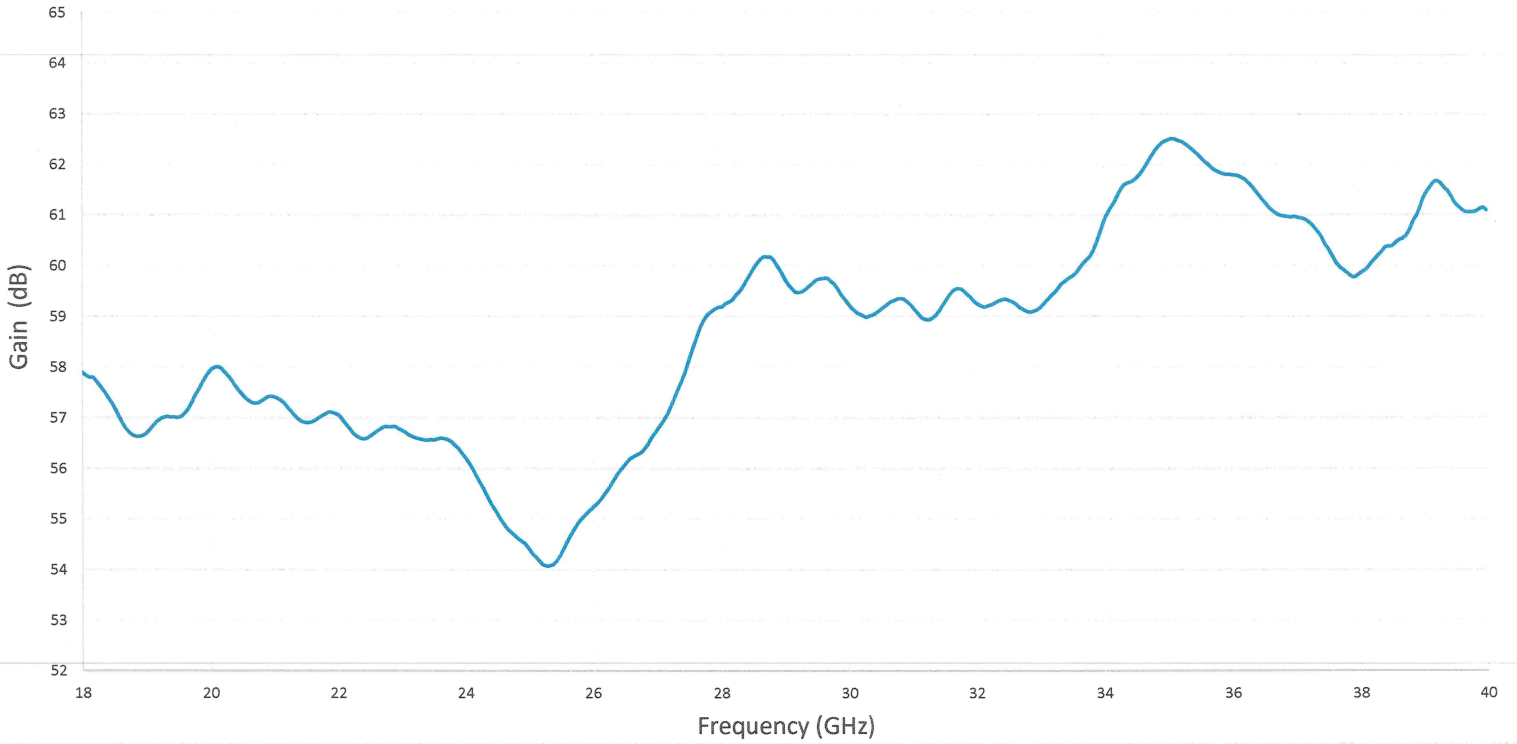
Rise time 8 ns (@-40°C)



Recovery time 65.3 ns (@-40°C)



Typical Gain 58.65 dB (@+85°C)



TSS @ -68.4 dBm (@+85°C)

