

LOG TRANSFER VS FREQUENCY
MODEL: SDLVA-6G18G-CD-2-OPT218-NRF
TESTED BY: JW
DATE: 9/19/25
SERIAL NO: PL56237
Test Temp:

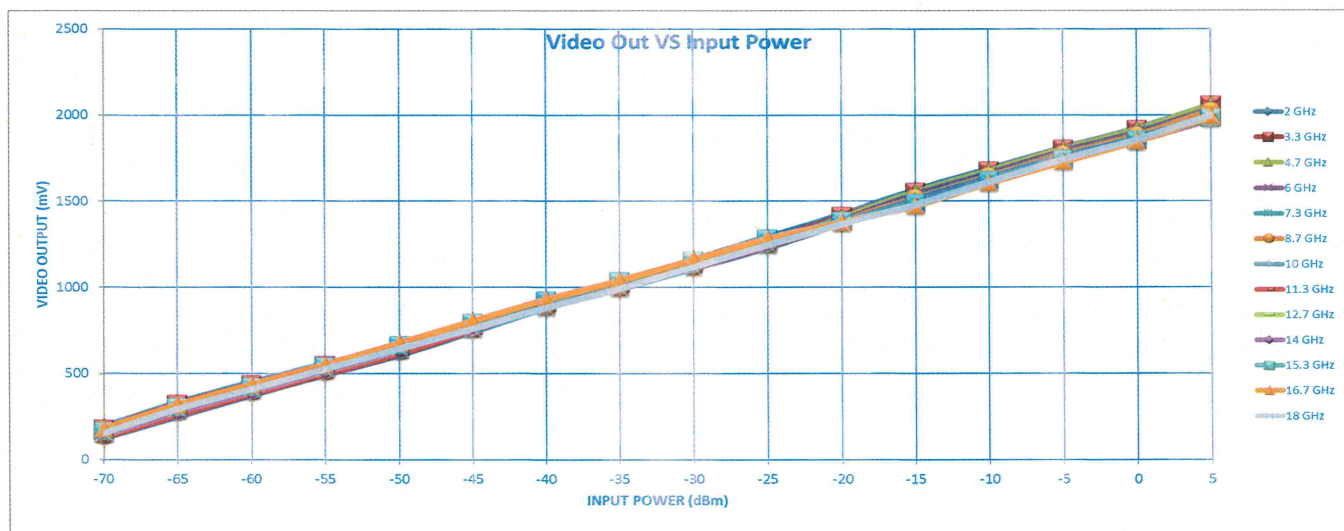
Friday, September 19, 2025

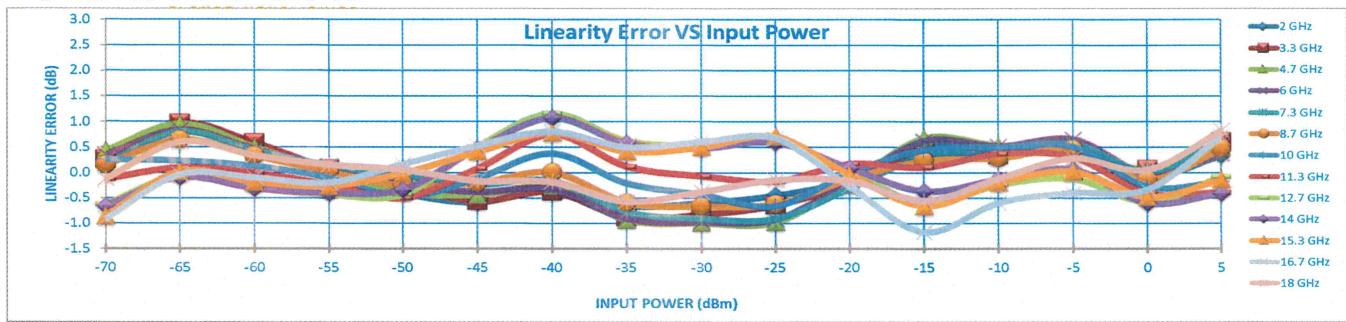


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Frequency

			-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)	1924	189	328	446	564	670	790	921	1037	1163	1291	1423	1554	1686	1809	1922	2067	Measured Value (mV)
	SLOPE (mV/dB)	24.9	6	21	14	-2	-10	-16	-8	-16	-16	-11	-4	13	11	9	-2	8	Error (mV)
			0.26	0.86	0.66	-0.07	-0.41	-0.59	-0.32	-0.66	-0.59	-0.46	-0.14	0.62	0.43	0.37	-0.09	0.34	LINEARITY ERROR (dB)
3.3 GHz	INTERCEPT (mV)	1914	178	320	436	547	663	780	909	1021	1147	1276	1411	1551	1674	1801	1916	2054	Measured Value (mV)
	SLOPE (mV/dB)	24.9	7	24	15	2	-6	-14	-9	-22	-20	-16	-5	10	9	11	2	15	Error (mV)
			0.26	0.96	0.68	0.08	-0.26	-0.66	-0.38	-0.88	-0.82	-0.64	-0.22	0.41	0.35	0.46	0.06	0.61	LINEARITY ERROR (dB)
4.7 GHz	INTERCEPT (mV)	1916	164	294	409	524	640	766	893	1006	1131	1258	1404	1553	1676	1802	1917	2056	Measured Value (mV)
	SLOPE (mV/dB)	25.3	11	24	13	1	-10	-11	-7	-23	-25	-25	-5	17	13	13	1	13	Error (mV)
			0.43	0.96	0.60	0.04	-0.38	-0.44	-0.27	-0.93	-0.99	-0.97	-0.21	0.67	0.63	0.61	0.05	0.50	LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV)	1896	148	284	400	517	634	756	883	994	1118	1245	1389	1536	1669	1787	1896	2031	Measured Value (mV)
	SLOPE (mV/dB)	25.1	9	21	11	3	-6	-9	-8	-23	-24	-23	-5	16	13	16	0	9	Error (mV)
			0.36	0.84	0.46	0.11	-0.23	-0.38	-0.32	-0.90	-0.97	-0.92	-0.19	0.62	0.62	0.66	-0.01	0.36	LINEARITY ERROR (dB)
7.3 GHz	INTERCEPT (mV)	1887	162	292	407	524	643	763	889	998	1119	1243	1382	1522	1647	1776	1887	2026	Measured Value (mV)
	SLOPE (mV/dB)	24.8	4	20	11	3	-2	-6	-4	-19	-22	-23	-8	8	9	14	0	15	Error (mV)
			0.16	0.80	0.43	0.14	-0.07	-0.24	-0.17	-0.78	-0.90	-0.91	-0.32	0.32	0.36	0.55	0.02	0.62	LINEARITY ERROR (dB)
8.7 GHz	INTERCEPT (mV)	1886	142	279	396	513	631	757	887	997	1120	1246	1383	1517	1643	1772	1882	2022	Measured Value (mV)
	SLOPE (mV/dB)	25	4	16	8	0	-6	-6	0	-16	-17	-16	-3	6	7	11	-4	12	Error (mV)
			0.16	0.66	0.33	0.02	-0.25	-0.21	0.00	-0.59	-0.66	-0.62	-0.13	0.24	0.29	0.45	-0.14	0.47	LINEARITY ERROR (dB)
10 GHz	INTERCEPT (mV)	1875	122	247	370	490	606	741	873	990	1110	1230	1372	1509	1636	1762	1888	1996	Measured Value (mV)
	SLOPE (mV/dB)	26.1	7	6	-3	-2	-12	-3	19	-5	-11	-17	0	11	12	13	-7	-5	Error (mV)
			0.26	0.23	0.13	-0.10	-0.49	-0.11	0.38	-0.21	-0.43	-0.66	-0.01	0.44	0.60	0.51	-0.27	-0.18	LINEARITY ERROR (dB)
11.3 GHz	INTERCEPT (mV)	1862	129	258	379	497	614	752	882	1000	1119	1240	1372	1494	1624	1746	1862	1976	Measured Value (mV)
	SLOPE (mV/dB)	24.7	-3	2	0	-6	-12	2	19	3	-2	-4	4	2	9	7	-10	-10	Error (mV)
			-0.13	0.09	-0.01	-0.24	-0.51	0.08	0.74	0.11	-0.07	-0.18	0.16	0.10	0.36	0.30	-0.41	-0.40	LINEARITY ERROR (dB)
12.7 GHz	INTERCEPT (mV)	1867	143	279	396	514	636	761	893	1028	1148	1272	1380	1486	1617	1742	1853	1987	Measured Value (mV)
	SLOPE (mV/dB)	24.4	-15	-1	-8	-11	-11	12	28	16	13	15	1	-15	-6	-3	-14	-2	Error (mV)
			-0.63	-0.06	-0.31	-0.43	-0.43	0.51	1.16	0.63	0.54	0.62	0.05	-0.61	-0.24	-0.12	-0.58	-0.09	LINEARITY ERROR (dB)
14 GHz	INTERCEPT (mV)	1871	143	279	398	518	640	763	893	1029	1149	1274	1394	1496	1623	1750	1869	1983	Measured Value (mV)
	SLOPE (mV/dB)	24.5	-15	-2	-8	-10	-9	12	23	14	12	14	2	-9	-3	1	-15	-10	Error (mV)
			-0.66	-0.10	-0.31	-0.41	-0.34	0.47	1.07	0.67	0.48	0.69	0.09	-0.37	-0.14	0.06	-0.61	-0.41	LINEARITY ERROR (dB)
15.3 GHz	INTERCEPT (mV)	1864	164	305	420	538	664	794	923	1034	1156	1281	1383	1488	1619	1744	1862	1986	Measured Value (mV)
	SLOPE (mV/dB)	24	-21	0	-4	-8	0	10	18	10	12	17	-1	-18	-5	0	-12	-4	Error (mV)
			-0.86	0.02	-0.19	-0.27	-0.01	0.41	0.79	0.41	0.50	0.71	-0.04	-0.66	-0.20	0.01	-0.48	-0.15	LINEARITY ERROR (dB)
16.7 GHz	INTERCEPT (mV)	1857	178	317	434	559	677	804	928	1040	1151	1281	1377	1474	1606	1729	1849	1992	Measured Value (mV)
	SLOPE (mV/dB)	23.7	-22	-1	-2	-5	4	13	19	12	14	16	-3	-28	-14	-9	0	17	Error (mV)
			-0.91	-0.04	-0.10	-0.20	0.17	0.53	0.81	0.60	0.61	0.68	-0.27	-1.17	-0.69	-0.40	-0.33	0.71	LINEARITY ERROR (dB)
18 GHz	INTERCEPT (mV)	1866	164	293	408	525	644	760	881	993	1119	1246	1367	1479	1611	1742	1868	1998	Measured Value (mV)
	SLOPE (mV/dB)	24.3	-3	15	3	4	2	-4	-4	-14	-8	-3	-4	-13	-3	7	2	20	Error (mV)
			-0.12	0.61	0.34	0.16	0.06	-0.16	-0.18	-0.56	-0.37	-0.14	-0.16	-0.66	-0.11	0.28	0.06	0.83	LINEARITY ERROR (dB)
Average Slope (mV)	24.7		1.33	1.61	1.49	1.27	1.41	1.25	0.89	0.89	1.05	1.21	1.11	1.79	1.59	1.59	1.45	1.61	
Flatness	± dB																		





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