

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4319
 TESTED BY: H. HAHN
 DATE: 6/AUG/2008



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 ISO 9001:2000 CERTIFIED

Frequency

0.30 INTERCEPT (mV) 1605
 SLOPE (mV/dB) 28.06
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1540
 SLOPE (mV/dB) 26.6
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1438
 SLOPE (mV/dB) 24.79
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.81
 LINEARITY(-65 TO +5dBm) ± 1.01
 FREQUENCY FLATNESS ± 3.44

TSS 25C
 -65dBm MAX -68 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.45V

INPUT VSWR 2:1 MAX @ 25C 1.17:1

IF OUTPUT VSWR 2:1 MAX @ 25C 1.29:1

VIDEO RISE TIME 25 nS MAX @ 25C 22 nS

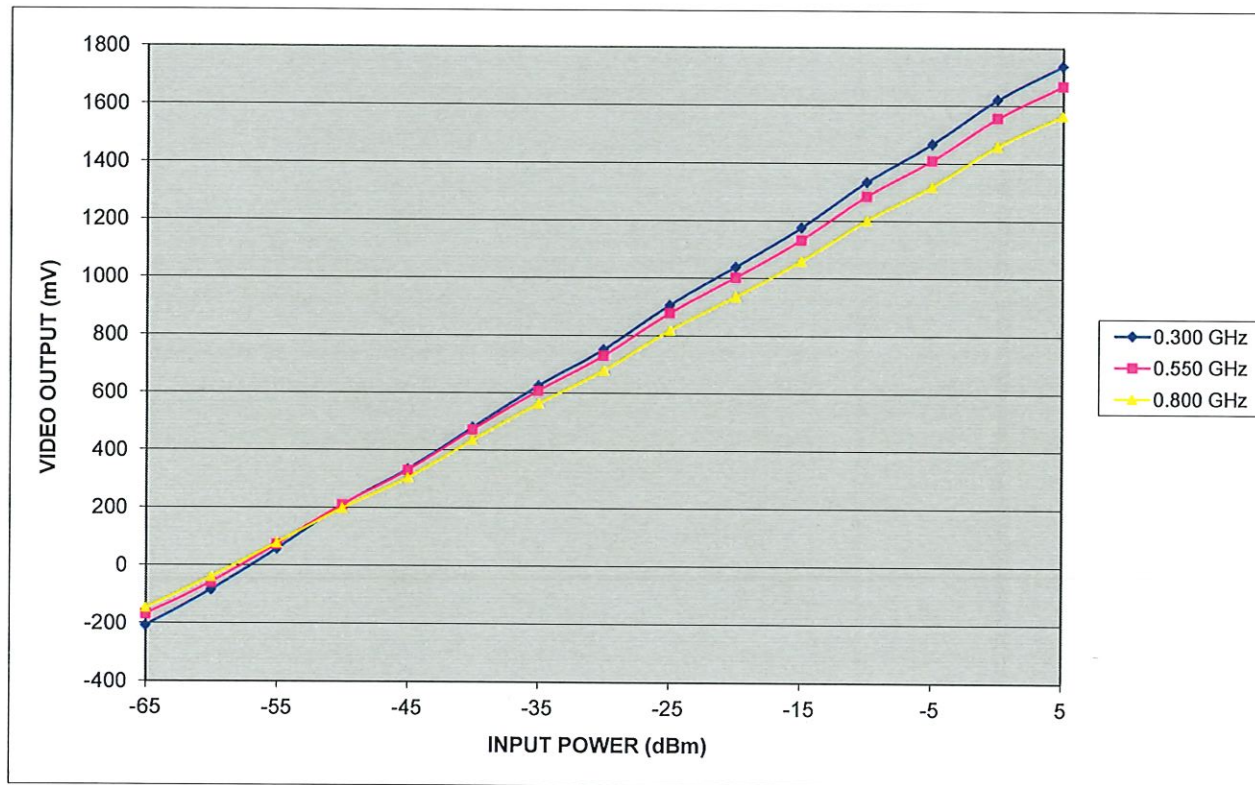
VIDEO FALL TIME 80 nS MAX @ 25C 38 nS

PROPAGATION DELAY 40 nS MAX @ 25C 12 nS

+5 V @ 70 mA MAX 31 mA

-5.2 V @ 200 mA MAX 118 mA

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-208	-84	58	211	334	480	625	752	906	1039	1175	1334	1466	1620	1736	
0.30 Error (mV)	12	-5	-4	9	-8	-2	2	-11	3	-4	-9	10	1	15	-9	
0.30 Limited IF Output (dBm)	-16.56	-16.24	-16.15	-16.08	-16.03	-15.99	-15.97	-15.96	-15.95	-15.96	-15.97	-15.97	-15.98	-15.98	-15.99	
0.55 Measured Value (mV)	-170	-59	74	211	331	473	608	730	879	1003	1132	1285	1408	1556	1667	
0.55 Error (mV)	20	-2	-3	2	-12	-3	-1	-12	4	-5	-8	11	1	16	-6	
0.55 Limited IF Output (dBm)	-16.45	-16.25	-16.14	-16.05	-15.96	-15.96	-15.99	-16.01	-16.01	-16.02	-16.03	-16.03	-16.03	-16.04	-16.07	
0.80 Measured Value (mV)	-148	-40	77	199	303	436	563	678	817	935	1058	1201	1318	1458	1564	
0.80 Error (mV)	25	9	2	0	-19	-11	-8	-17	-1	-8	-8	10	4	20	2	
0.80 Limited IF Output (dBm)	-16.34	-16.17	-16.10	-16.07	-16.03	-15.99	-16.02	-16.04	-16.06	-16.07	-16.07	-16.07	-16.08	-16.10	-16.14	



LIMITED IF OUTPUT MAX -16.95 dBm
 LIMITED IF OUTPUT MIN -16.56 dBm
 LIMITED IF FLATNESS ± 0.30 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4319
 TESTED BY: H. HAHN
 DATE: 6/AUG/2008



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Frequency

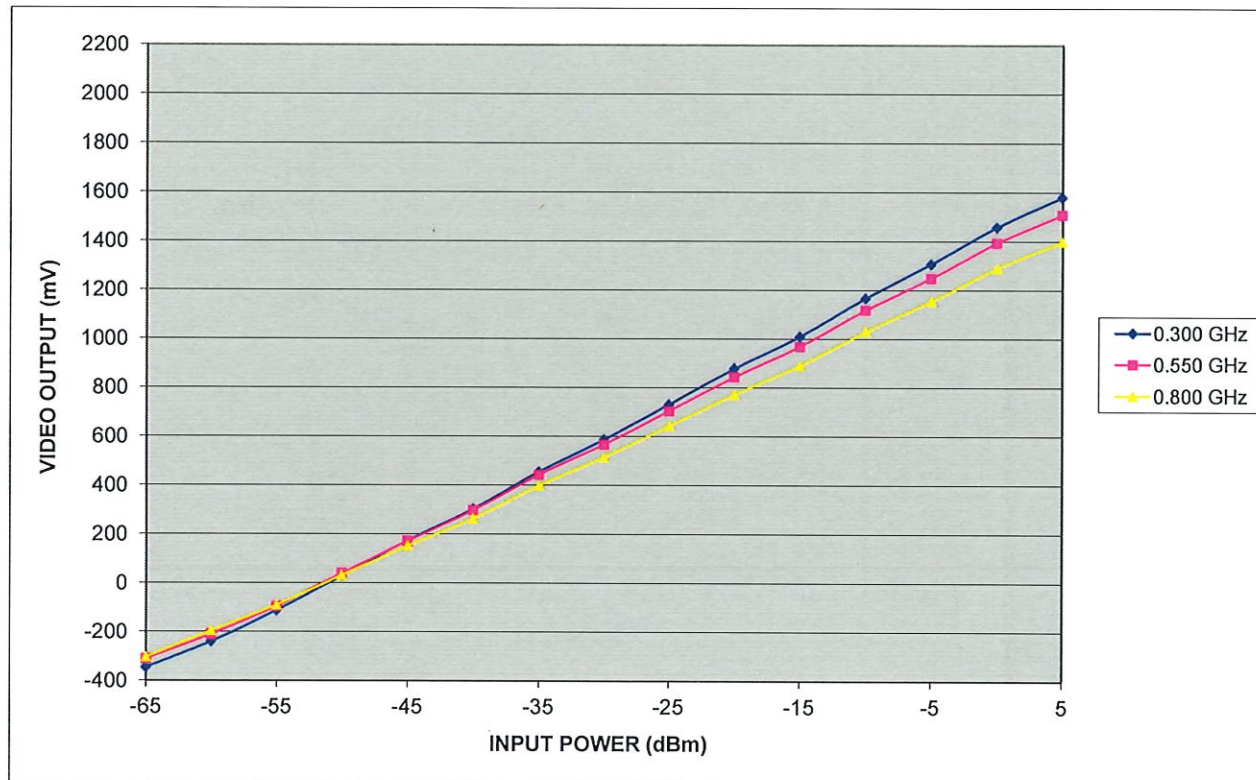
0.30 INTERCEPT (mV) 1439
 SLOPE (mV/dB) 28.02
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1374
 SLOPE (mV/dB) 26.52
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1268
 SLOPE (mV/dB) 24.66
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.81
 LINEARITY(-65 TO +5dBm) ± 1.48
 FREQUENCY FLATNESS ± 3.61

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-346	-240	-113	29	172	301	455	587	730	878	1009	1166	1306	1457	1578	Measured Value (mV)
0.30 Error (mV)	37	2	-10	-8	-5	-16	-3	-11	-8	-1	-9	7	7	19	0	Error (mV)
0.30 Limited If Output (dBm)	-17.12	-16.45	-16.17	-16.04	-15.96	-15.90	-15.87	-15.85	-15.84	-15.84	-15.85	-15.85	-15.86	-15.86	-15.86	Measured Value (mV)
0.55 Measured Value (mV)	-311	-210	-96	39	170	296	442	566	703	842	967	1117	1248	1393	1508	Measured Value (mV)
0.55 Error (mV)	39	7	-12	-9	-10	-17	-4	-13	-8	-1	-9	8	7	19	2	Error (mV)
0.55 Limited If Output (dBm)	-16.86	-16.42	-16.18	-16.03	-15.94	-15.89	-15.89	-15.89	-15.90	-15.91	-15.92	-15.92	-15.93	-15.94	-15.96	Measured Value (mV)
0.80 Measured Value (mV)	-304	-197	-91	31	151	263	397	513	641	771	889	1029	1153	1288	1398	Measured Value (mV)
0.80 Error (mV)	30	14	-4	-5	-8	-19	-9	-16	-11	-4	-10	7	8	20	6	Error (mV)
0.80 Limited If Output (dBm)	-16.74	-16.28	-16.10	-16.00	-15.96	-15.95	-15.96	-15.97	-15.98	-15.98	-15.98	-15.98	-15.99	-16.01	-16.04	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.84 dBm
 LIMITED IF OUTPUT MIN -17.12 dBm
 LIMITED IF FLATNESS ± 0.64 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4319
 TESTED BY: H. HAHN
 DATE: 4/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1416
 SLOPE (mV/dB) 28.08
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1352
 SLOPE (mV/dB) 26.56
 LIMITED IF OUTPUT (dBm)

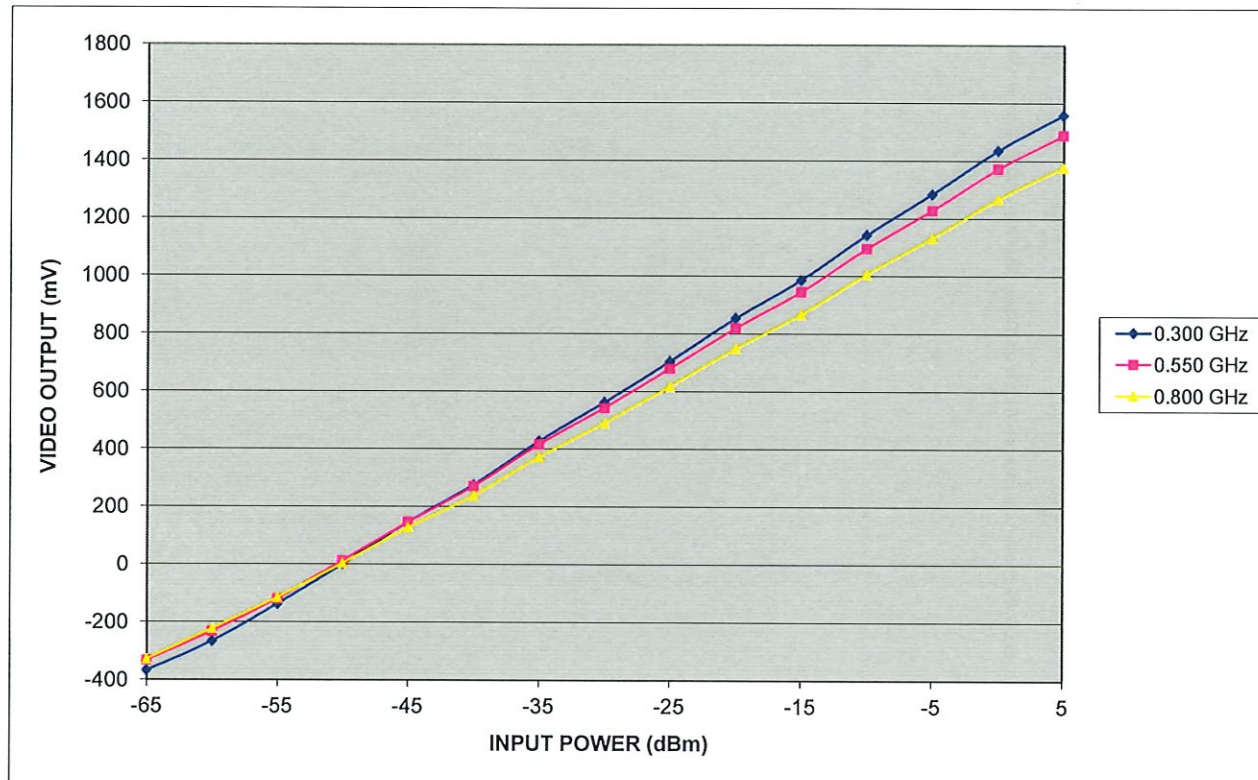
0.80 INTERCEPT (mV) 1246
 SLOPE (mV/dB) 24.71
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.80
 LINEARITY(-65 TO +5dBm) ± 1.58
 FREQUENCY FLATNESS ± 3.63

TSS 95C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.37V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-368	-267	-139	0	147	275	428	562	704	854	986	1142	1283	1435	1557	Measured Value (mV)
0.30 Error (mV)	42	2	-10	-11	-6	-17	-5	-11	-10	-1	-9	7	8	19	1	Error (mV)
0.30 Limited If Output (dBm)	-17.31	-16.67	-16.26	-16.10	-16.01	-15.95	-15.91	-15.89	-15.89	-15.89	-15.89	-15.90	-15.90	-15.90	-15.91	Measured Value (mV)
0.55 Measured Value (mV)	-333	-234	-121	12	146	271	416	543	679	819	944	1094	1226	1371	1487	Measured Value (mV)
0.55 Error (mV)	42	8	-11	-11	-10	-18	-6	-12	-9	-1	-9	8	8	19	3	Error (mV)
0.55 Limited If Output (dBm)	-17.00	-16.61	-16.26	-16.09	-16.00	-15.94	-15.93	-15.94	-15.95	-15.96	-15.96	-15.96	-15.97	-15.98	-16.01	Measured Value (mV)
0.80 Measured Value (mV)	-329	-223	-116	4	127	238	372	490	616	748	866	1005	1131	1266	1376	Measured Value (mV)
0.80 Error (mV)	31	13	-3	-7	-7	-20	-9	-15	-12	-4	-9	6	8	20	7	Error (mV)
0.80 Limited If Output (dBm)	-16.90	-16.38	-16.17	-16.05	-16.00	-16.00	-16.01	-16.01	-16.02	-16.02	-16.02	-16.03	-16.03	-16.05	-16.08	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.89 dBm
 LIMITED IF OUTPUT MIN -17.31 dBm
 LIMITED IF FLATNESS ± 0.71 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4319
 TESTED BY: H. HAHN
 DATE: 9/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1906
 SLOPE (mV/dB) 29.34
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1840
 SLOPE (mV/dB) 27.98
 LIMITED IF OUTPUT (dBm)

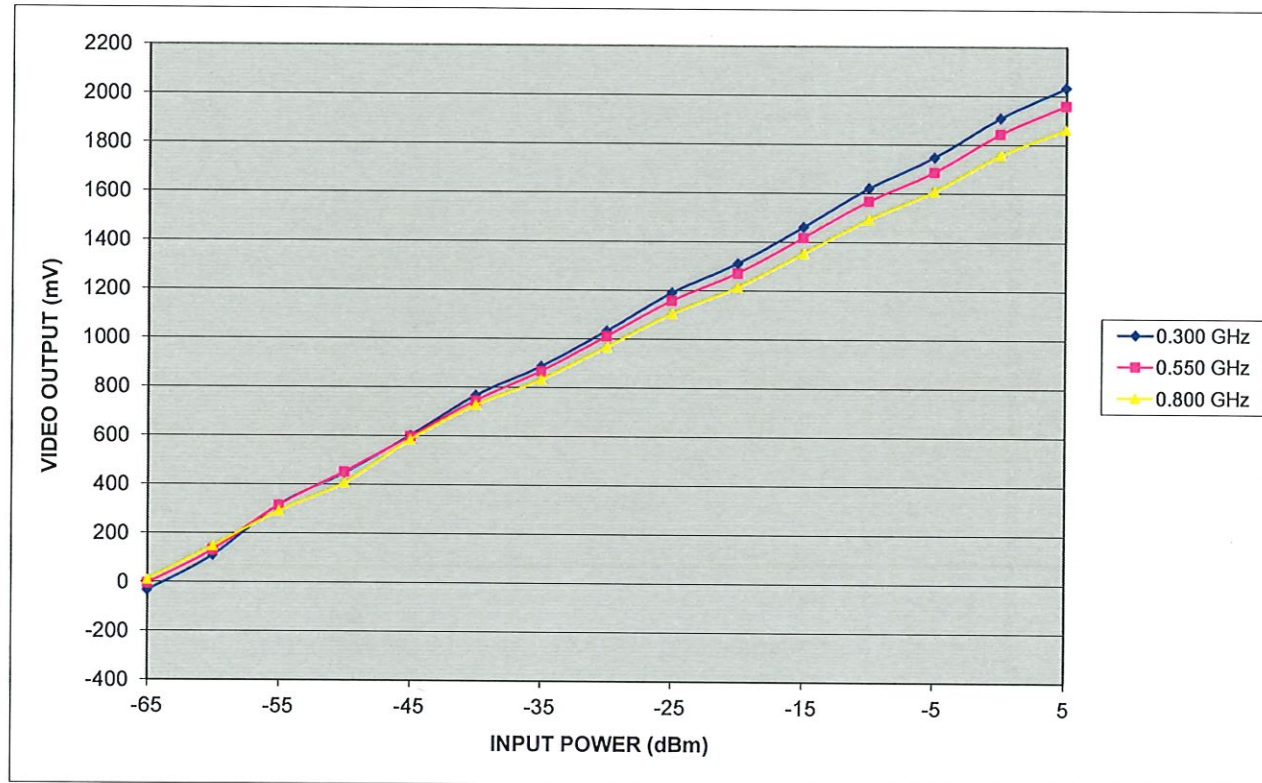
0.80 INTERCEPT (mV) 1752
 SLOPE (mV/dB) 26.52
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 1.32
 LINEARITY(-65 TO +5dBm) ± 1.32
 FREQUENCY FLATNESS ± 3.40

TSS -54C
 -65dBm MAX -66dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.67V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-33	110	314	447	601	767	886	1032	1190	1311	1461	1621	1747	1908	2032	Measured Value (mV)
0.30 Error (mV)	-33	-36	22	8	14	34	6	6	17	-9	-5	8	-13	2	-21	Error (mV)
0.30 Limited If Output (dBm)	-15.69	-15.65	-15.80	-15.89	-15.93	-15.95	-15.96	-15.94	-15.94	-15.97	-15.98	-15.99	-16.01	-16.01	-16.01	Measured Value (mV)
0.55 Measured Value (mV)	-5	130	313	451	597	745	866	1010	1158	1271	1418	1569	1687	1844	1959	Measured Value (mV)
0.55 Error (mV)	-27	-31	12	10	16	24	5	9	17	-10	-2	8	-14	3	-21	Error (mV)
0.55 Limited If Output (dBm)	-15.64	-15.64	-15.68	-15.77	-15.91	-15.90	-15.82	-15.86	-15.91	-15.94	-15.94	-15.93	-15.93	-15.94	-15.95	Measured Value (mV)
0.80 Measured Value (mV)	8	146	290	406	584	726	831	966	1103	1213	1353	1493	1608	1756	1862	Measured Value (mV)
0.80 Error (mV)	-20	-15	-3	-20	25	35	7	10	14	-9	-1	6	-11	5	-22	Error (mV)
0.80 Limited If Output (dBm)	-15.62	-15.63	-15.67	-15.78	-15.84	-15.87	-15.82	-15.80	-15.84	-15.87	-15.86	-15.86	-15.86	-15.89	-15.97	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.62 dBm
 LIMITED IF OUTPUT MIN -16.01 dBm
 LIMITED IF FLATNESS ± 0.19 dBm