

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. : PL4324
 TESTED BY: H. HAHN
 DATE: 9/AUG/2008



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 ISO 9001:2000 CERTIFIED

Frequency

0.30 INTERCEPT (mV) 1557
 SLOPE (mV/dB) 27.63
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1496
 SLOPE (mV/dB) 26.28
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1401
 SLOPE (mV/dB) 24.56
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.77
 LINEARITY(-65 TO +5dBm) ± 0.91
 FREQUENCY FLATNESS ± 3.24

TSS 25C
 -65dBm MAX -68 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.4V

INPUT VSWR 2:1 MAX @ 25C 1.2:1

IF OUTPUT VSWR 2:1 MAX @ 25C 1.5:1

VIDEO RISE TIME 25 nS MAX @ 25C 18 nS

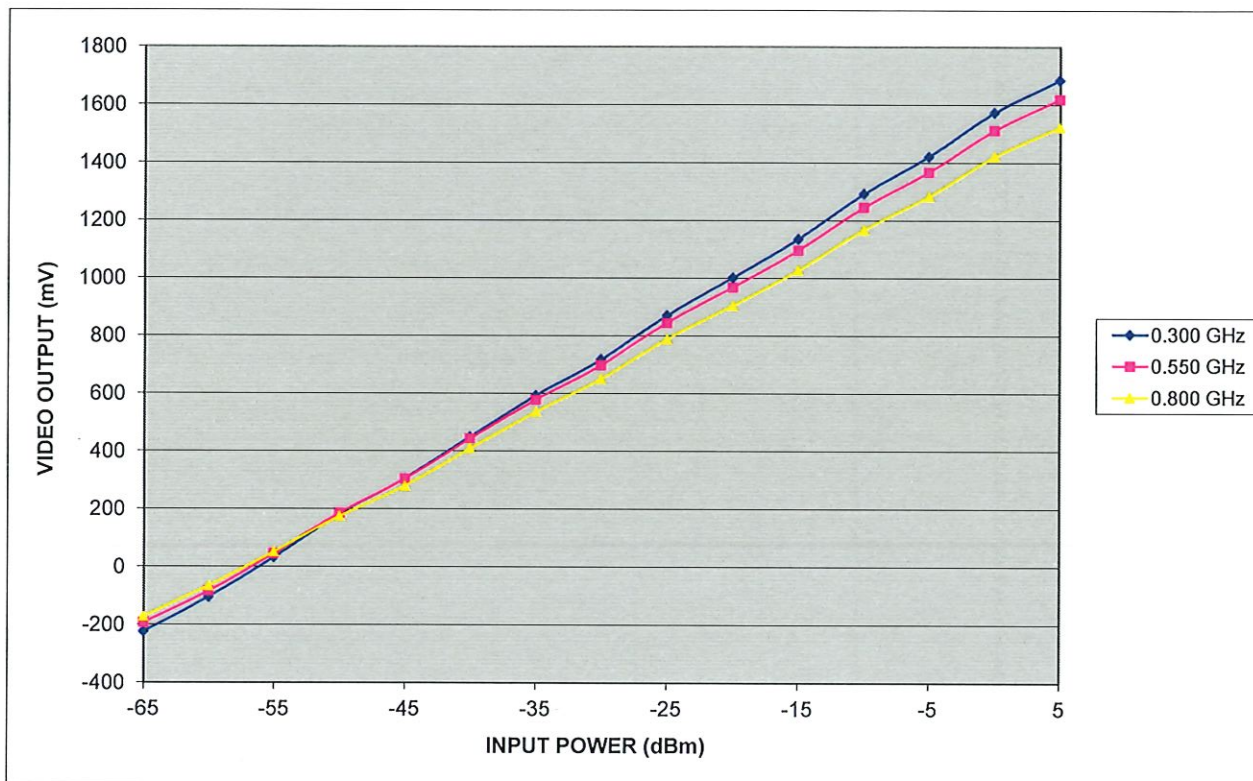
VIDEO FALL TIME 80 nS MAX @ 25C 44 nS

PROPAGATION DELAY 40 nS MAX @ 25C 14 nS

+5 V @ 70 mA MAX 30 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)	-225	-105	32	183	305	449	593	717	870	1001	1135	1292	1421	1573	1685	
0.30 Error (mV)	14	-5	-5	7	-9	-3	2	-11	3	-3	-7	11	2	15	-11	
0.30 Measured Value (mV)	-16.42	-16.06	-15.95	-15.88	-15.83	-15.79	-15.77	-15.76	-15.76	-15.76	-15.76	-15.77	-15.78	-15.78	-15.78	
0.55 Measured Value (mV)	-194	-85	46	186	304	443	578	697	844	967	1095	1245	1366	1511	1618	
0.55 Error (mV)	18	-5	-5	3	-10	-2	1	-11	5	-4	-7	11	1	15	-10	
0.55 Measured Value (mV)	-16.32	-16.08	-15.95	-15.85	-15.78	-15.76	-15.79	-15.81	-15.81	-15.82	-15.83	-15.83	-15.82	-15.83	-15.85	
0.80 Measured Value (mV)	-173	-66	51	175	280	409	535	649	787	904	1026	1167	1282	1420	1522	
0.80 Error (mV)	22	6	1	1	-17	-10	-7	-16	0	-6	-7	11	3	19	-2	
0.80 Measured Value (mV)	-16.21	-15.99	-15.92	-15.89	-15.86	-15.81	-15.82	-15.84	-15.86	-15.87	-15.87	-15.87	-15.87	-15.88	-15.91	



LIMITED IF OUTPUT MAX -15.75 dBm
 LIMITED IF OUTPUT MIN -16.42 dBm
 LIMITED IF FLATNESS ± 0.33 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4324
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Frequency

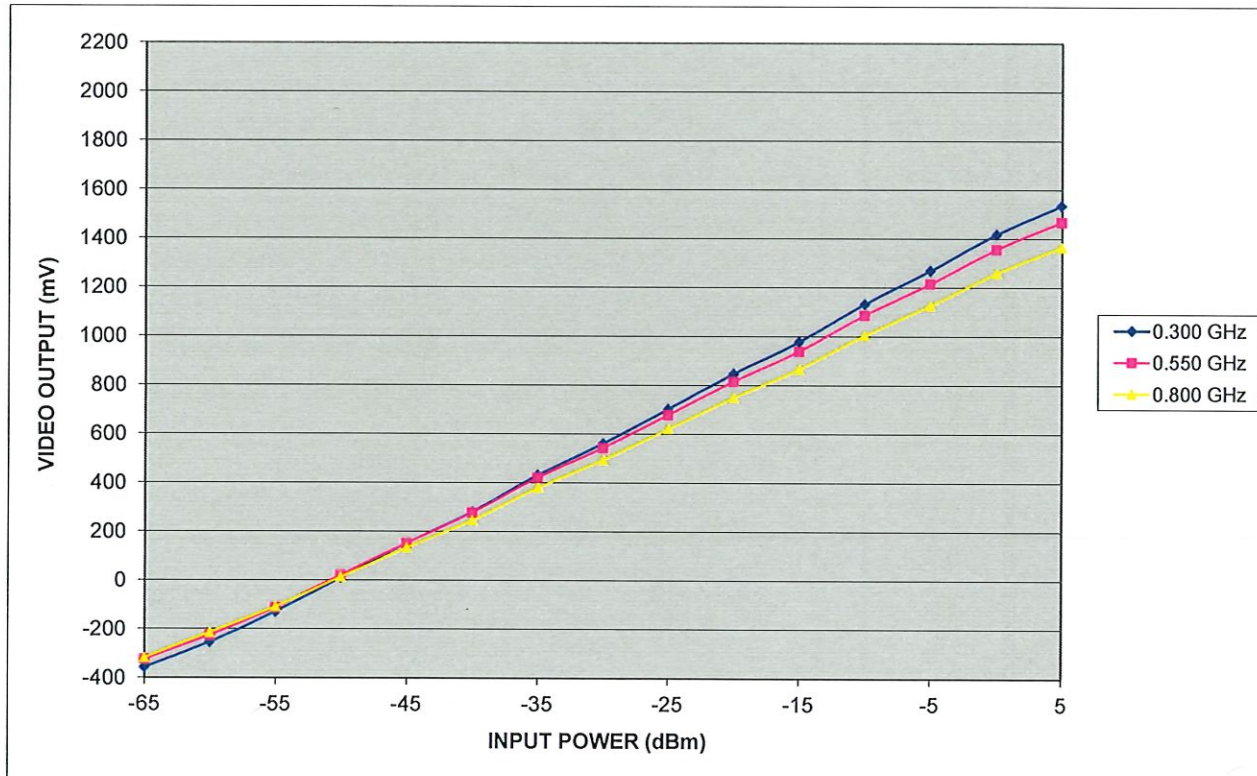
0.30 INTERCEPT (mV) 1399
 SLOPE (mV/dB) 27.59
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1339
 SLOPE (mV/dB) 26.17
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1240
 SLOPE (mV/dB) 24.44
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.75
 LINEARITY(-65 TO +5dBm) ± 1.41
 FREQUENCY FLATNESS ± 3.39

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-357	-254	-129	10	151	279	431	560	702	847	977	1132	1268	1417	1534	Measured Value (mV)
0.30 Error (mV)	37	2	-11	-9	-6	-16	-3	-11	-7	0	-8	8	7	18	-3	Error (mV)
0.30 Limited IF Output (dBm)	-17.02	-16.33	-16.03	-16.89	-16.81	-15.75	-15.72	-15.70	-15.69	-15.69	-15.70	-15.70	-15.71	-15.71	-15.71	Measured Value (mV)
0.55 Measured Value (mV)	-326	-226	-113	21	152	276	420	542	678	815	938	1086	1215	1357	1468	Measured Value (mV)
0.55 Error (mV)	37	6	-12	-9	-9	-16	-2	-11	-6	0	-8	9	7	18	-2	Error (mV)
0.55 Limited IF Output (dBm)	-16.77	-16.29	-16.04	-16.89	-16.80	-16.75	-16.74	-16.75	-16.76	-16.77	-16.77	-16.78	-16.78	-16.78	-16.80	Measured Value (mV)
0.80 Measured Value (mV)	-320	-215	-110	13	133	245	378	493	620	748	865	1003	1125	1258	1365	Measured Value (mV)
0.80 Error (mV)	29	11	-5	-5	-7	-18	-6	-14	-9	-3	-8	8	7	18	2	Error (mV)
0.80 Limited IF Output (dBm)	-16.67	-16.18	-15.97	-16.86	-16.82	-16.82	-16.83	-16.84	-16.84	-16.84	-16.84	-16.84	-16.85	-16.86	-16.88	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.69 dBm
 LIMITED IF OUTPUT MIN -17.02 dBm
 LIMITED IF FLATNESS ± 0.66 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4324
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 DATE: 8/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1380
 SLOPE (mV/dB) 27.63
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1320
 SLOPE (mV/dB) 26.21
 LIMITED IF OUTPUT (dBm)

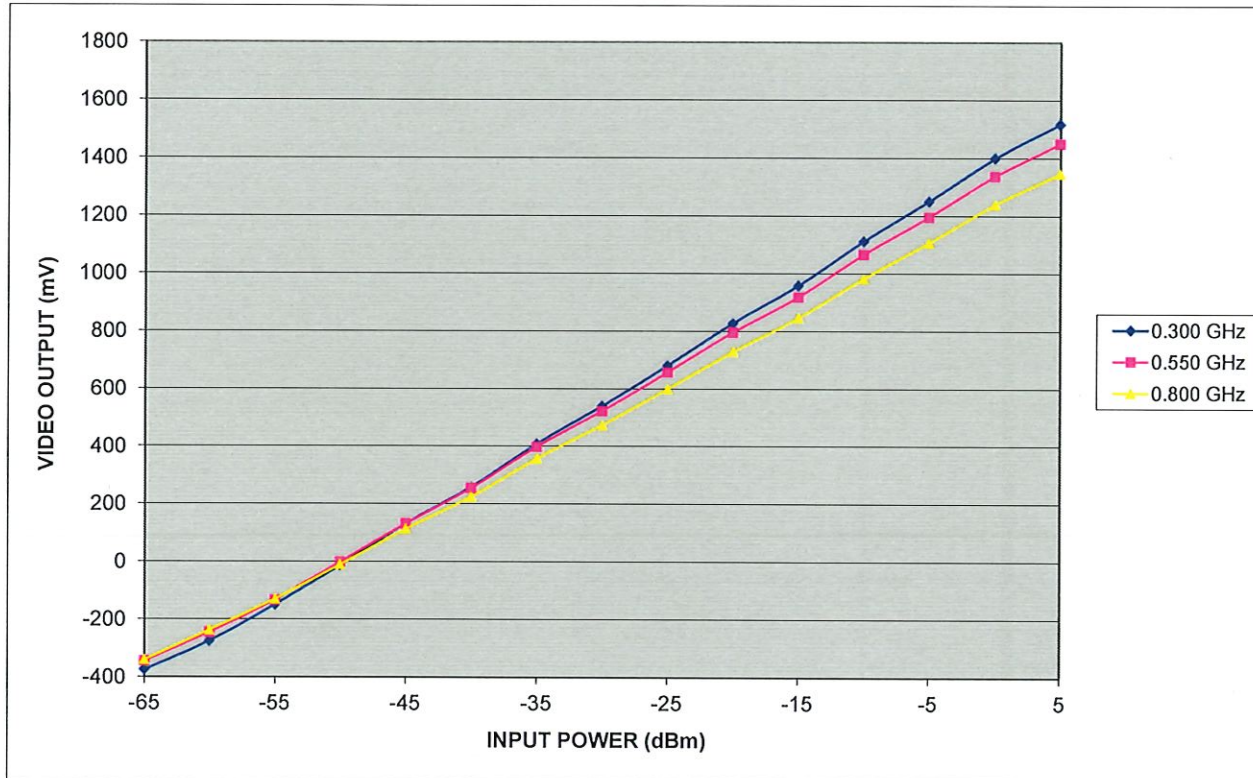
0.80 INTERCEPT (mV) 1221
 SLOPE (mV/dB) 24.49
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.75
 LINEARITY(-65 TO +5dBm) ± 1.50
 FREQUENCY FLATNESS ± 3.42

TSS 95C
 -65dBm MAX -66 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.32V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-375	-275	-150	-13	131	257	408	540	680	828	958	1112	1250	1399	1517	Measured Value (mV)
0.30 Error (mV)	41	3	-11	-12	-6	-17	-5	-11	-9	0	-8	8	8	19	-1	Error (mV)
0.30 Limited If Output (dBm)	-17.14	-16.39	-16.07	-15.92	-15.83	-15.77	-15.73	-15.71	-15.70	-15.70	-15.71	-15.71	-15.72	-15.72	-15.72	Measured Value (mV)
0.55 Measured Value (mV)	-345	-246	-134	-2	131	255	398	523	657	796	918	1066	1196	1338	1450	Measured Value (mV)
0.55 Error (mV)	39	7	-12	-11	-9	-17	-4	-11	-8	0	-8	9	7	18	0	Error (mV)
0.55 Limited If Output (dBm)	-16.86	-16.34	-16.07	-15.91	-15.82	-15.77	-15.75	-15.76	-15.77	-15.78	-15.78	-15.79	-15.79	-15.80	-15.82	Measured Value (mV)
0.80 Measured Value (mV)	-341	-238	-131	-11	112	223	356	473	598	728	845	983	1106	1239	1346	Measured Value (mV)
0.80 Error (mV)	30	11	-5	-7	-6	-18	-7	-13	-10	-3	-8	7	8	18	3	Error (mV)
0.80 Limited If Output (dBm)	-16.78	-16.24	-16.00	-15.88	-15.83	-15.83	-15.84	-15.84	-15.85	-15.85	-15.85	-15.85	-15.86	-15.87	-15.89	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.70 dBm
 LIMITED IF OUTPUT MIN -17.14 dBm
 LIMITED IF FLATNESS ± 0.72 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4324
 TESTED BY: H. HAHN
 DATE: 8/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1851
 SLOPE (mV/dB) 28.82
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1786
 SLOPE (mV/dB) 27.46
 LIMITED IF OUTPUT (dBm)

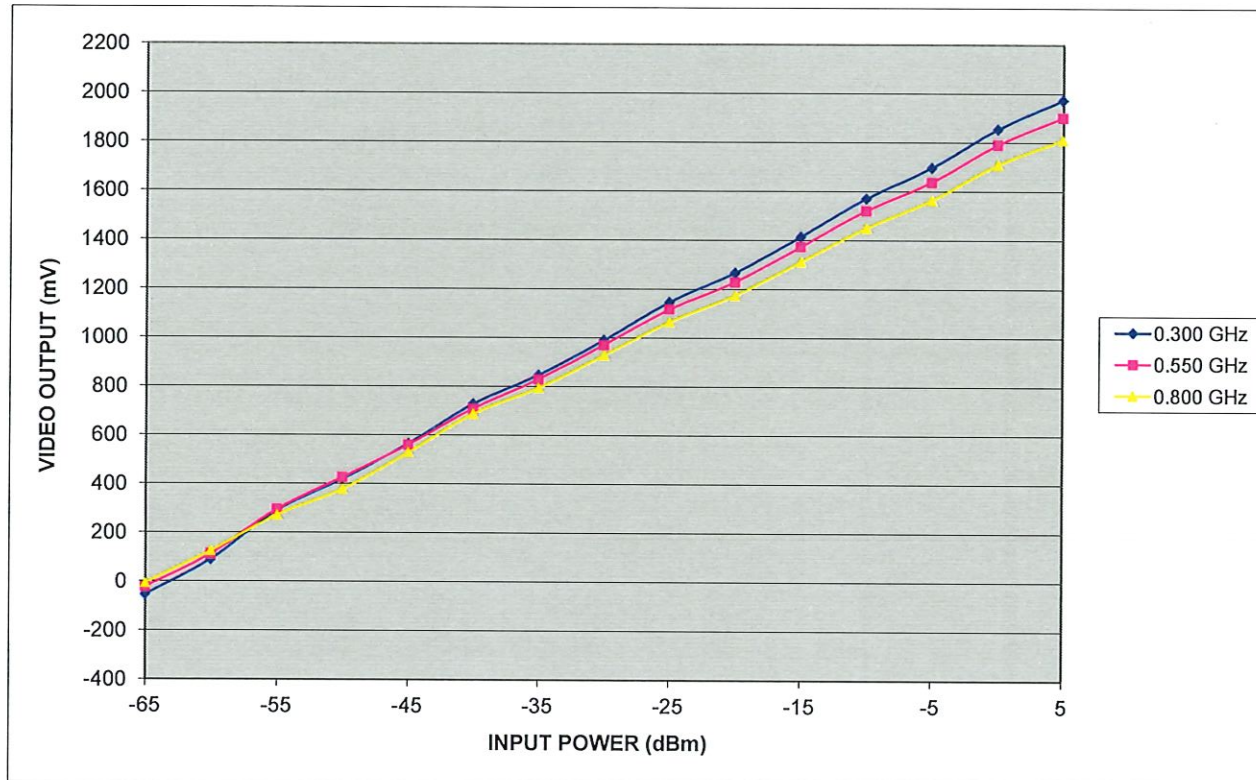
0.80 INTERCEPT (mV) 1702
 SLOPE (mV/dB) 26.14
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 1.12
 LINEARITY(-65 TO +5dBm) ± 1.12
 FREQUENCY FLATNESS ± 3.25

TSS -54C
 -65dBm MAX -66dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.6V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-53	90	290	420	564	728	847	989	1147	1266	1415	1571	1696	1855	1972	Measured Value (mV)
0.30 Error (mV)	-31	-32	24	10	9	30	4	3	16	-8	-4	9	-11	4	-22	Error (mV)
0.30 Measured Value (mV)	-15.67	-15.60	-15.62	-15.69	-15.70	-15.70	-15.73	-15.71	-15.71	-15.73	-15.74	-15.75	-15.76	-15.76	-15.76	Measured Value (mV)
0.55 Measured Value (mV)	-24	111	294	426	559	708	828	970	1117	1229	1373	1521	1638	1791	1902	Measured Value (mV)
0.55 Error (mV)	-26	-28	17	12	8	20	3	7	17	-8	-2	9	-11	5	-22	Error (mV)
0.55 Measured Value (mV)	-15.60	-15.49	-15.51	-15.57	-15.66	-15.68	-15.61	-15.63	-15.67	-15.69	-15.70	-15.69	-15.69	-15.69	-15.71	Measured Value (mV)
0.80 Measured Value (mV)	-8	123	270	376	527	686	793	926	1064	1172	1311	1449	1563	1708	1810	Measured Value (mV)
0.80 Error (mV)	-11	-11	5	-19	1	29	5	8	15	-7	1	8	-8	6	-23	Error (mV)
0.80 Measured Value (mV)	-15.46	-15.46	-15.48	-15.51	-15.52	-15.63	-15.60	-15.57	-15.61	-15.64	-15.64	-15.63	-15.64	-15.66	-15.73	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.46 dBm
 LIMITED IF OUTPUT MIN -15.76 dBm
 LIMITED IF FLATNESS ± 0.15 dBm