

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4300
 TESTED BY: H. HAHN
 DATE: 5/AUG/2008



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 ISO 9001:2000 CERTIFIED

Frequency

0.30 INTERCEPT (mV) 1558
 SLOPE (mV/dB) 27.54
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1494
 SLOPE (mV/dB) 26.13
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1396
 SLOPE (mV/dB) 24.37
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.84
 LINEARITY(-65 TO +5dBm) ± 1.02
 FREQUENCY FLATNESS ± 3.34

TSS 25C
 -65dBm MAX -70 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.4V

INPUT VSWR
 2:1 MAX @ 25C 1.16:1

IF OUTPUT VSWR
 2:1 MAX @ 25C 1.25:1

VIDEO RISE TIME
 25 nS MAX @ 25C 22 nS

VIDEO FALL TIME
 80 nS MAX @ 25C 44 nS

PROPAGATION DELAY
 40 nS MAX @ 25C 16 nS

+5 V @ 70 mA MAX 30 mA

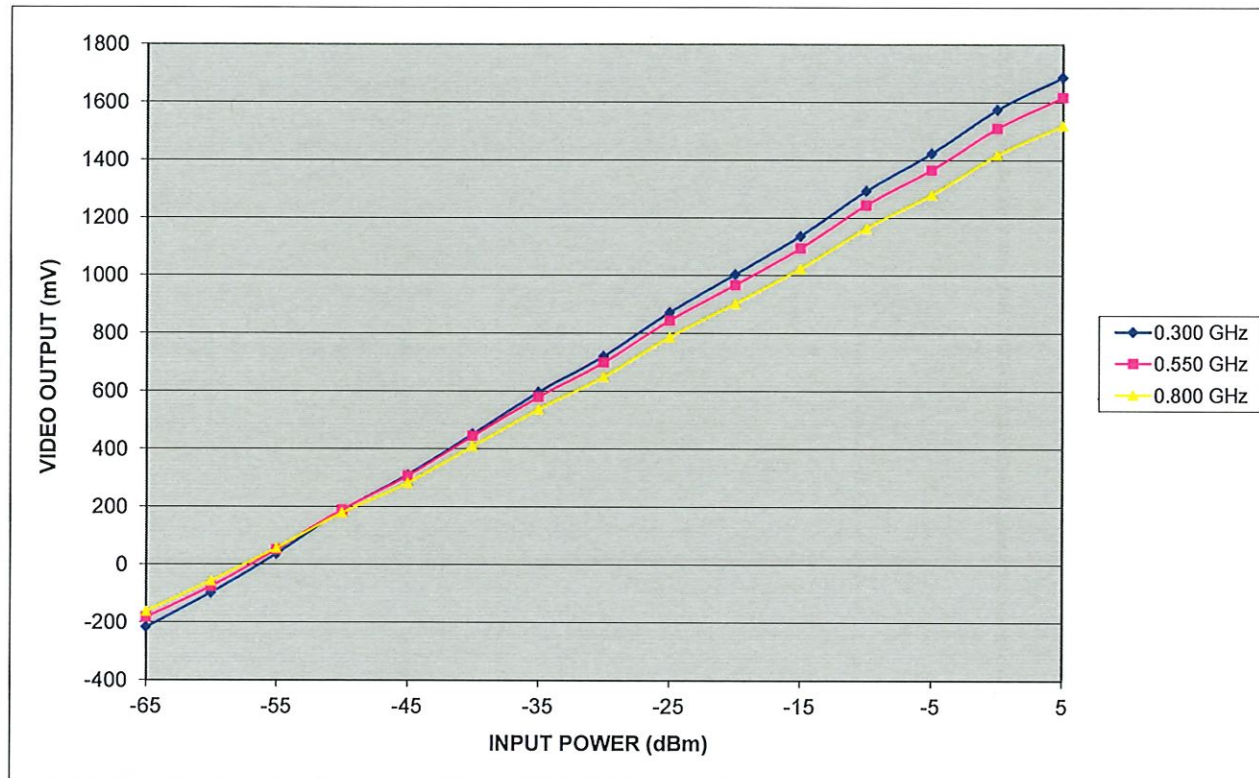
-5.2 V @ 200 mA MAX 116 mA

-65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 RF Input Power (dBm)

-218	-98	37	188	310	452	596	720	872	1003	1136	1292	1422	1574	1685	Measured Value (mV)
15	-4	-6	7	-9	-4	2	-11	3	-4	-8	10	2	17	-10	Error (mV)
-16.93	-16.66	-16.44	-16.36	-16.31	-16.27	-16.25	-16.24	-16.24	-16.24	-16.25	-16.26	-16.26	-16.26	-16.27	Measured Value (mV)

-183	-76	51	189	307	445	579	698	844	967	1094	1243	1365	1511	1617	Measured Value (mV)
21	-3	-6	1	-11	-4	0	-12	3	-4	-8	11	2	17	-8	Error (mV)
-16.82	-16.68	-16.44	-16.35	-16.27	-16.25	-16.27	-16.29	-16.30	-16.31	-16.32	-16.32	-16.32	-16.33	-16.36	Measured Value (mV)

-163	-58	56	179	282	410	537	649	785	902	1023	1163	1279	1417	1518	Measured Value (mV)
25	8	0	1	-17	-12	-7	-16	-2	-7	-8	10	4	21	0	Error (mV)
-16.70	-16.47	-16.38	-16.34	-16.30	-16.27	-16.29	-16.31	-16.32	-16.33	-16.33	-16.32	-16.32	-16.34	-16.38	Measured Value (mV)



LIMITED IF OUTPUT MAX -16.24 dBm
 LIMITED IF OUTPUT MIN -16.93 dBm
 LIMITED IF FLATNESS ± 0.34 dBm

LOG TRANSFER WITH FREQUENCY @ +85 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4300
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Frequency

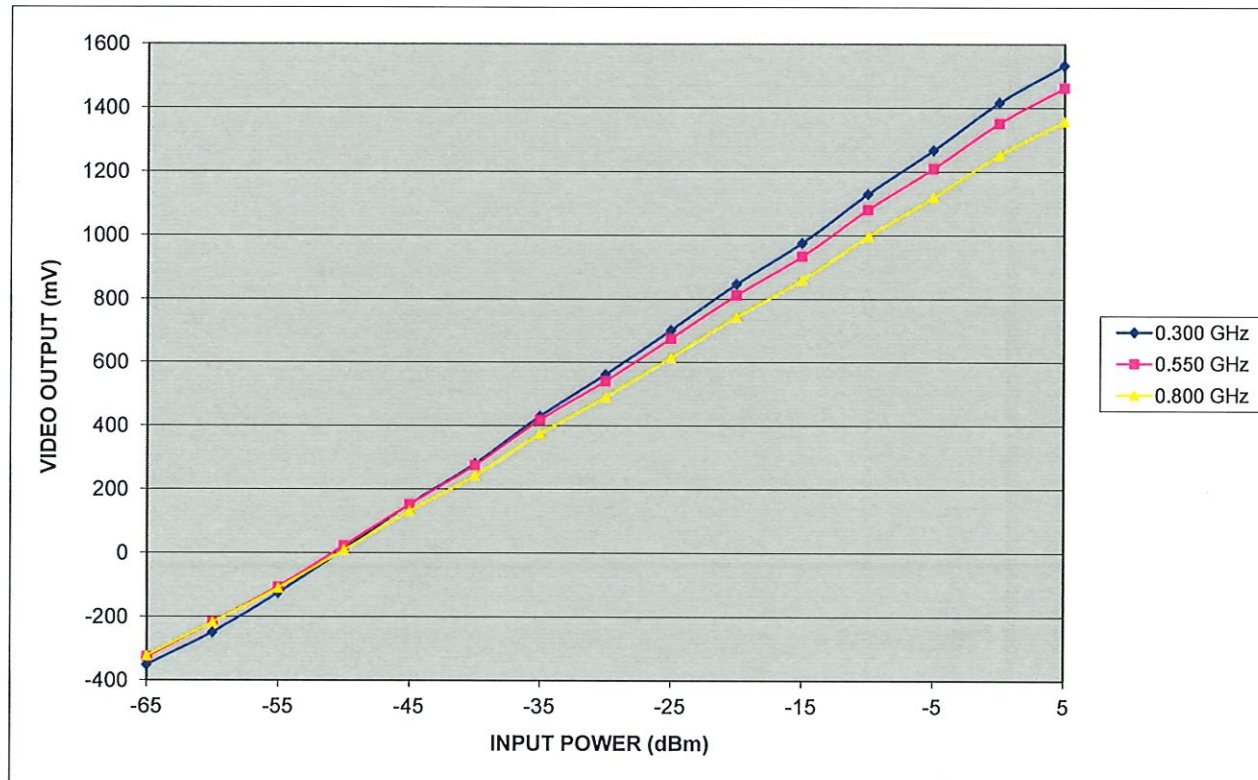
0.30 INTERCEPT (mV) 1396
 SLOPE (mV/dB) 27.48
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1333
 SLOPE (mV/dB) 26.03
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1233
 SLOPE (mV/dB) 24.36
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.77
 LINEARITY(-65 TO +5dBm) ± 1.42
 FREQUENCY FLATNESS ± 3.50

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-351	-249	-126	12	153	280	430	561	701	846	975	1129	1267	1416	1532	Measured Value (mV)
0.30 Error (mV)	39	3	-10	-10	-6	-17	-4	-11	-8	0	-9	8	8	20	-2	Error (mV)
0.30 Limited If Output (dBm)	-17.28	-16.68	-16.29	-16.15	-16.06	-16.00	-15.97	-15.95	-15.95	-15.95	-15.95	-15.96	-15.96	-15.96	-15.96	Measured Value (mV)
0.55 Measured Value (mV)	-327	-218	-108	23	153	275	418	540	674	812	934	1081	1210	1352	1463	Measured Value (mV)
0.55 Error (mV)	32	11	-9	-9	-9	-16	-4	-12	-8	-1	-9	8	7	19	0	Error (mV)
0.55 Limited If Output (dBm)	-17.00	-16.64	-16.29	-16.14	-16.05	-16.00	-15.99	-16.01	-16.02	-16.03	-16.03	-16.04	-16.04	-16.06	-16.10	Measured Value (mV)
0.80 Measured Value (mV)	-324	-218	-111	9	131	242	374	490	614	743	859	996	1118	1252	1357	Measured Value (mV)
0.80 Error (mV)	26	10	-4	-6	-5	-17	-6	-13	-10	-3	-9	7	7	19	2	Error (mV)
0.80 Limited If Output (dBm)	-17.01	-16.46	-16.23	-16.11	-16.06	-16.05	-16.05	-16.06	-16.06	-16.07	-16.07	-16.07	-16.08	-16.10	-16.13	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.95 dBm
 LIMITED IF OUTPUT MIN -17.28 dBm
 LIMITED IF FLATNESS ± 0.67 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4300
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 DATE: 4/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1375
 SLOPE (mV/dB) 27.51
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1311
 SLOPE (mV/dB) 25.98
 LIMITED IF OUTPUT (dBm)

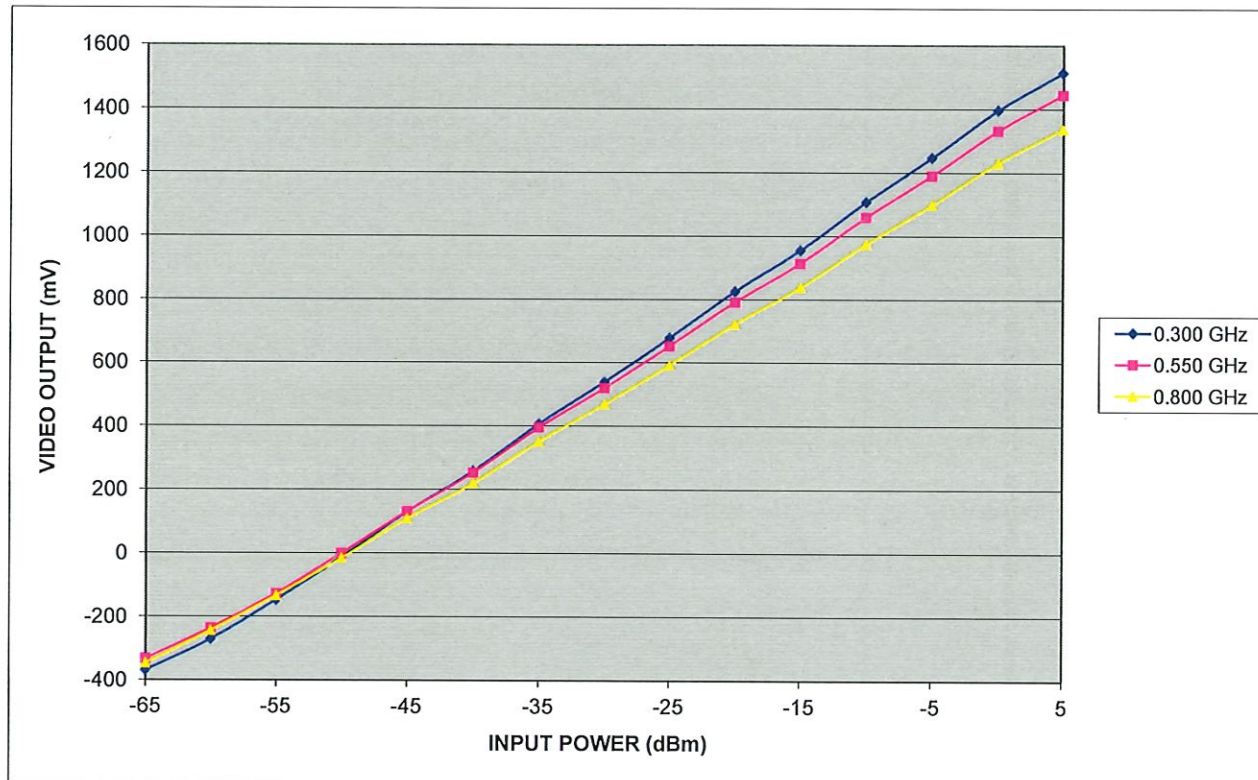
0.80 INTERCEPT (mV) 1212
 SLOPE (mV/dB) 24.43
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.79
 LINEARITY(-65 TO +5dBm) ± 1.68
 FREQUENCY FLATNESS ± 3.53

TSS 95C
 -65dBm MAX -69 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.3V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-369	-271	-148	-13	130	257	406	539	677	825	954	1107	1246	1396	1513	Measured Value (mV)
0.30 Error (mV)	43	4	-10	-13	-7	-18	-6	-11	-10	0	-8	7	9	20	1	Error (mV)
0.30 Limited If Output (dBm)	-17.44	-16.69	-16.35	-16.19	-16.10	-16.04	-16.00	-16.99	-16.98	-16.98	-16.98	-16.99	-16.99	-16.99	-16.00	Measured Value (mV)
0.55 Measured Value (mV)	-334	-237	-129	-1	131	252	395	519	652	791	913	1059	1190	1332	1444	Measured Value (mV)
0.55 Error (mV)	44	10	-11	-13	-11	-20	-7	-12	-10	-1	-9	8	9	21	3	Error (mV)
0.55 Limited If Output (dBm)	-17.11	-16.61	-16.35	-16.19	-16.10	-16.04	-16.03	-16.04	-16.05	-16.06	-16.06	-16.07	-16.08	-16.10	-16.13	Measured Value (mV)
0.80 Measured Value (mV)	-348	-245	-135	-16	109	219	350	468	591	721	837	974	1098	1230	1337	Measured Value (mV)
0.80 Error (mV)	28	9	-3	-7	-4	-17	-7	-11	-10	-2	-9	6	8	18	3	Error (mV)
0.80 Limited If Output (dBm)	-17.20	-16.67	-16.30	-16.16	-16.10	-16.09	-16.09	-16.10	-16.10	-16.10	-16.10	-16.11	-16.11	-16.13	-16.17	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.98 dBm
 LIMITED IF OUTPUT MIN -17.44 dBm
 LIMITED IF FLATNESS ± 0.73 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4300
 TESTED BY: H. HAHN
 DATE: 4/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1821
 SLOPE (mV/dB) 28.69
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1755
 SLOPE (mV/dB) 27.22
 LIMITED IF OUTPUT (dBm)

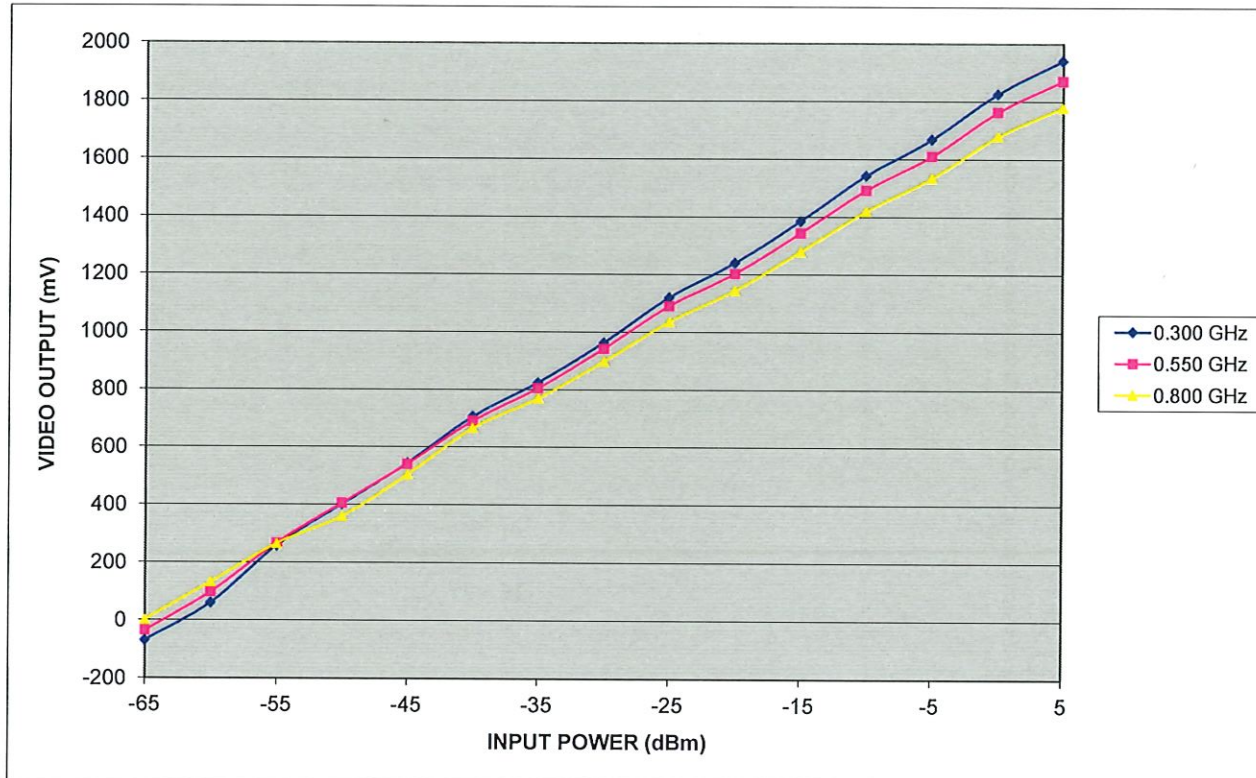
0.80 INTERCEPT (mV) 1665
 SLOPE (mV/dB) 25.6
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 1.40
 LINEARITY(-65 TO +5dBm) ± 1.40
 FREQUENCY FLATNESS ± 3.26

TSS -54C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.67 V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-70	60	257	402	544	706	824	963	1121	1239	1385	1542	1667	1825	1941	Measured Value (mV)
0.30 Error (mV)	-26	-40	14	15	13	33	7	3	17	-8	-6	8	-10	4	-24	Error (mV)
0.30 Measured Value (mV)	-16.08	-16.02	-16.18	-16.25	-16.19	-16.20	-16.22	-16.21	-16.21	-16.23	-16.25	-16.25	-16.26	-16.27	-16.27	Measured Value (mV)
0.55 Measured Value (mV)	-36	97	266	405	541	691	805	943	1090	1202	1343	1491	1609	1762	1870	Measured Value (mV)
0.55 Error (mV)	-22	-25	8	11	10	24	2	4	16	-9	-4	8	-10	7	-21	Error (mV)
0.55 Measured Value (mV)	-16.01	-16.03	-16.08	-16.10	-16.16	-16.20	-16.15	-16.13	-16.17	-16.20	-16.20	-16.20	-16.20	-16.22	-16.24	Measured Value (mV)
0.80 Measured Value (mV)	1	131	264	359	503	665	769	897	1035	1144	1279	1418	1532	1677	1777	Measured Value (mV)
0.80 Error (mV)	0	2	8	-25	-10	24	0	1	10	-9	-2	9	-5	13	-15	Error (mV)
0.80 Measured Value (mV)	-16.99	-16.00	-16.03	-16.03	-15.99	-16.14	-16.13	-16.10	-16.13	-16.14	-16.13	-16.12	-16.11	-16.12	-16.19	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.99 dBm
 LIMITED IF OUTPUT MIN -16.27 dBm
 LIMITED IF FLATNESS ± 0.14 dBm