

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4331
 TESTED BY: H. HAHN
 DATE: 11/AUG/2008



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 ISO 9001:2000 CERTIFIED

Frequency

0.30 INTERCEPT (mV) 1567
 SLOPE (mV/dB) 27.52
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1502
 SLOPE (mV/dB) 26.08
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1404
 SLOPE (mV/dB) 24.33
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.85
 LINEARITY(-65 TO +5dBm) ± 0.97
 FREQUENCY FLATNESS ± 3.37

TSS 25C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.4V

INPUT VSWR
 2:1 MAX @ 25C 1.19:1

IF OUTPUT VSWR
 2:1 MAX @ 25C 1.27:1

VIDEO RISE TIME
 25 nS MAX @ 25C 22 nS

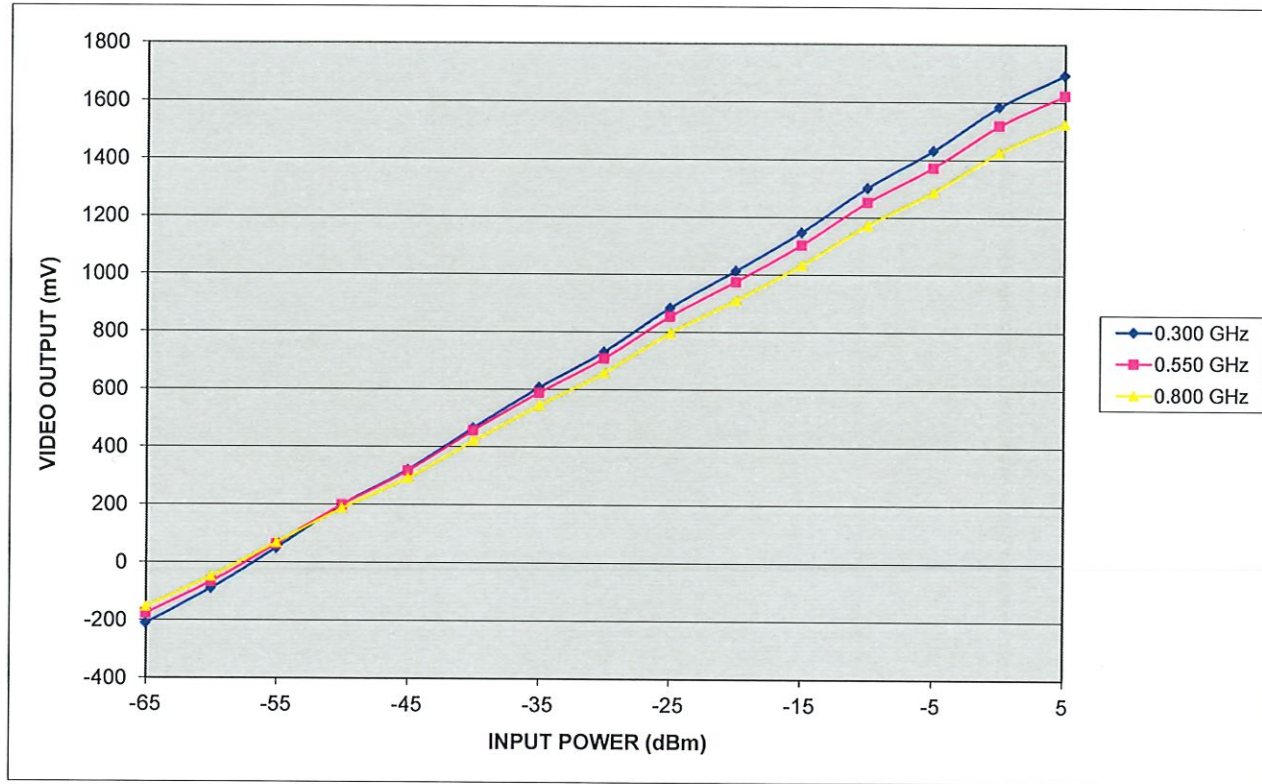
VIDEO FALL TIME
 80 nS MAX @ 25C 46 nS

PROPERGATION DELAY
 40 nS MAX @ 25C 14 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)
0.30 Measured Value (mV)	-211	-89	51	200	321	467	607	731	884	1013	1147	1302	1431	1583	1693	Measured Value (mV)
0.30 Error (mV)	10	-6	-4	8	-8	0	2	-11	5	-4	-8	10	1	16	-12	Error (mV)
0.30 Limited If Output (dBm)	-16.79	-16.44	-16.33	-16.26	-16.21	-16.17	-16.15	-16.15	-16.15	-16.15	-16.16	-16.16	-16.17	-16.17	-16.17	Limited If Output (dBm)
0.55 Measured Value (mV)	-176	-67	64	200	317	458	588	708	855	975	1103	1262	1372	1518	1623	Measured Value (mV)
0.55 Error (mV)	17	-4	-3	2	-11	-1	-1	-11	5	-5	-8	11	1	17	-9	Error (mV)
0.55 Limited If Output (dBm)	-16.69	-16.46	-16.33	-16.24	-16.18	-16.17	-16.19	-16.21	-16.21	-16.22	-16.22	-16.22	-16.22	-16.23	-16.25	Limited If Output (dBm)
0.80 Measured Value (mV)	-153	-49	68	189	292	422	544	658	796	910	1032	1171	1286	1425	1525	Measured Value (mV)
0.80 Error (mV)	24	6	2	1	-17	-9	-8	-16	0	-8	-7	10	4	21	-1	Error (mV)
0.80 Limited If Output (dBm)	-16.58	-16.38	-16.31	-16.28	-16.26	-16.23	-16.24	-16.26	-16.28	-16.28	-16.28	-16.28	-16.28	-16.30	-16.33	Limited If Output (dBm)



LIMITED IF OUTPUT MAX -16.15 dBm
 LIMITED IF OUTPUT MIN -16.79 dBm
 LIMITED IF FLATNESS ± 0.32 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. : PL4331
 TESTED BY: H. HAHN
 DATE: 11/AUG/2008



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Frequency

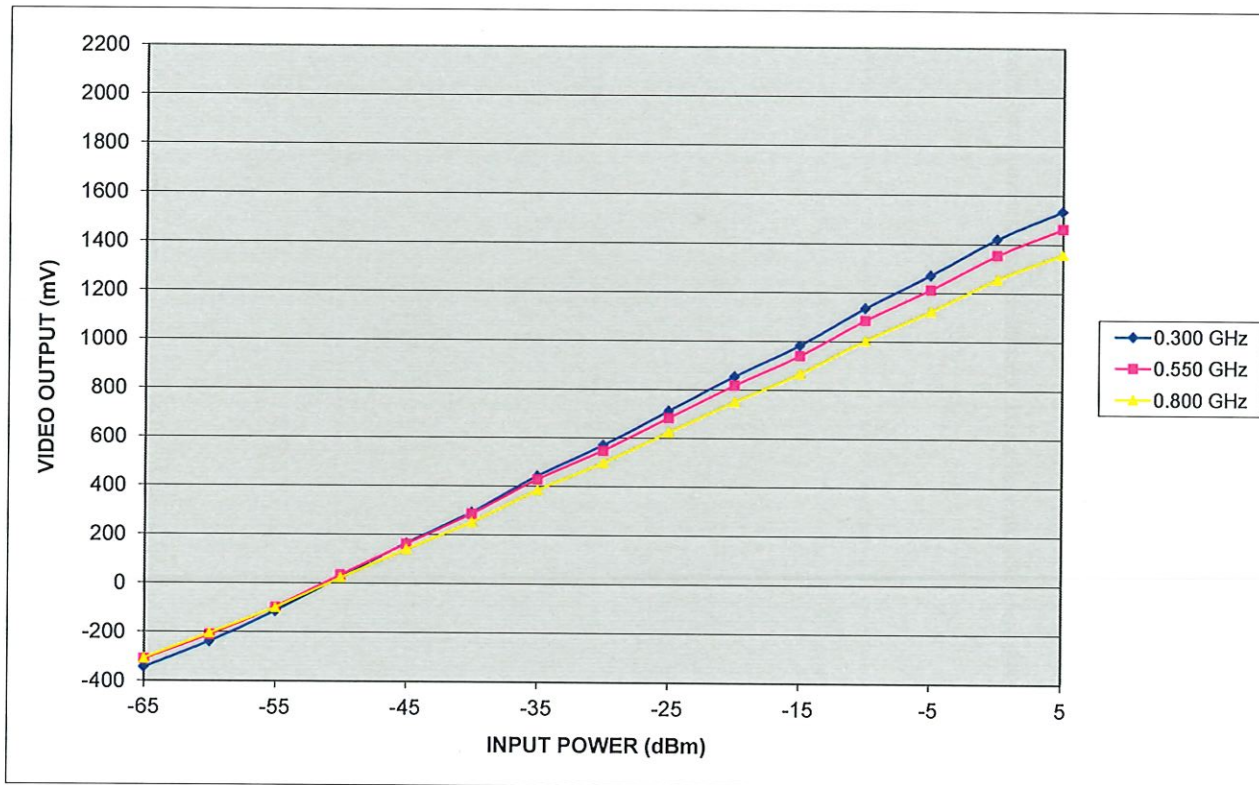
0.30 INTERCEPT (mV) 1402
 SLOPE (mV/dB) 27.36
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1336
 SLOPE (mV/dB) 25.87
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1236
 SLOPE (mV/dB) 24.18
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.79
 LINEARITY(-65 TO +5dBm) ± 1.37
 FREQUENCY FLATNESS ± 3.53

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-344	-238	-114	28	165	293	443	570	712	854	983	1136	1272	1421	1535	
0.30 Error (mV)	33	2	-11	-6	-6	-15	-1	-11	-6	0	-8	8	6	19	-4	
0.30 Limited IF Output (dBm)	-17.11	-16.45	-16.18	-16.05	-16.97	-15.92	-15.89	-15.88	-15.87	-15.87	-15.88	-15.88	-15.89	-15.89	-15.89	
0.55 Measured Value (mV)	-310	-211	-99	35	162	286	428	548	683	817	939	1086	1213	1355	1463	
0.55 Error (mV)	35	6	-12	-7	-10	-15	-2	-12	-6	-1	-9	9	6	19	-2	
0.55 Limited IF Output (dBm)	-16.88	-16.43	-16.20	-16.06	-15.98	-15.94	-15.93	-15.94	-15.95	-15.96	-15.96	-15.96	-15.97	-15.97	-16.00	
0.80 Measured Value (mV)	-308	-205	-100	23	140	252	384	496	623	749	864	1002	1122	1255	1358	
0.80 Error (mV)	28	10	-6	-4	-7	-16	-5	-14	-8	-3	-9	8	7	19	2	
0.80 Limited IF Output (dBm)	-16.82	-16.36	-16.16	-16.05	-16.01	-16.01	-16.02	-16.03	-16.03	-16.03	-16.04	-16.04	-16.04	-16.05	-16.08	



LIMITED IF OUTPUT MAX -15.87 dBm
 LIMITED IF OUTPUT MIN -17.11 dBm
 LIMITED IF FLATNESS ± 0.62 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4331
 TESTED BY: H. HAHN
 DATE: 8/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1387
 SLOPE (mV/dB) 27.42
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1320
 SLOPE (mV/dB) 25.9
 LIMITED IF OUTPUT (dBm)

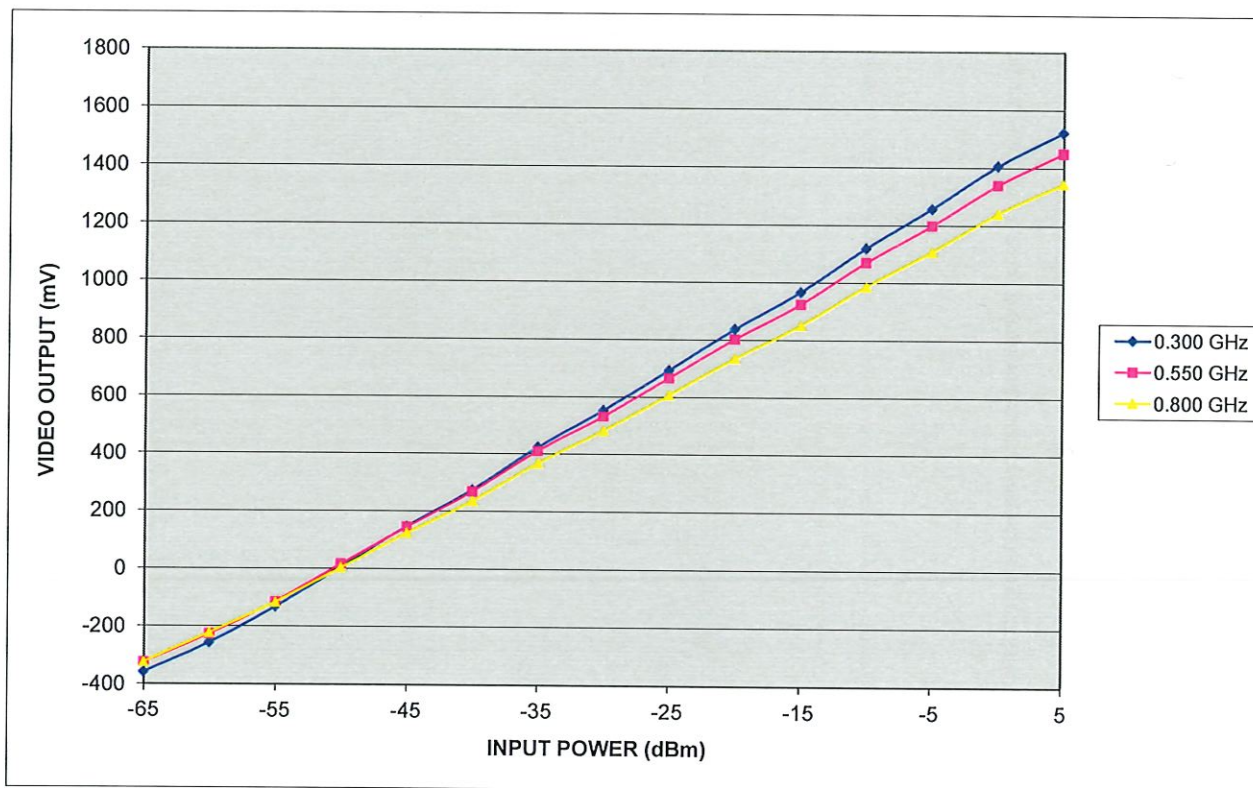
0.80 INTERCEPT (mV) 1220
 SLOPE (mV/dB) 24.22
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.78
 LINEARITY(-65 TO +5dBm) ± 1.46
 FREQUENCY FLATNESS ± 3.55

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-359	-257	-132	7	147	274	424	553	694	838	967	1120	1257	1406	1521	
0.30 Error (mV)	37	2	-11	-9	-6	-16	-3	-11	-8	0	-8	8	7	19	-2	
0.30 Limited IF Output (dBm)	-17.28	-16.66	-16.25	-16.11	-16.03	-15.97	-15.94	-15.93	-15.92	-15.92	-15.92	-15.93	-15.93	-15.93	-15.94	
0.55 Measured Value (mV)	-325	-227	-116	16	145	268	411	532	666	802	923	1070	1198	1340	1449	
0.55 Error (mV)	38	7	-12	-9	-10	-16	-3	-12	-7	-1	-9	8	7	19	-1	
0.55 Limited IF Output (dBm)	-17.01	-16.62	-16.27	-16.12	-16.03	-15.99	-15.98	-15.99	-16.00	-16.00	-16.01	-16.01	-16.01	-16.02	-16.05	
0.80 Measured Value (mV)	-326	-223	-117	4	124	234	366	480	606	733	848	985	1107	1239	1344	
0.80 Error (mV)	29	10	-5	-5	-7	-17	-6	-13	-9	-3	-9	7	7	19	2	
0.80 Limited IF Output (dBm)	-16.97	-16.45	-16.23	-16.11	-16.06	-16.06	-16.07	-16.08	-16.08	-16.08	-16.08	-16.08	-16.08	-16.09	-16.10	-16.13

TSS 95C
 -65dBm MAX -66 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.32V



LIMITED IF OUTPUT MAX -15.92 dBm
 LIMITED IF OUTPUT MIN -17.28 dBm
 LIMITED IF FLATNESS ± 0.68 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4331
 TESTED BY: H. HAHN
 DATE: 11/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1844
 SLOPE (mV/dB) 28.77
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1777
 SLOPE (mV/dB) 27.31
 LIMITED IF OUTPUT (dBm)

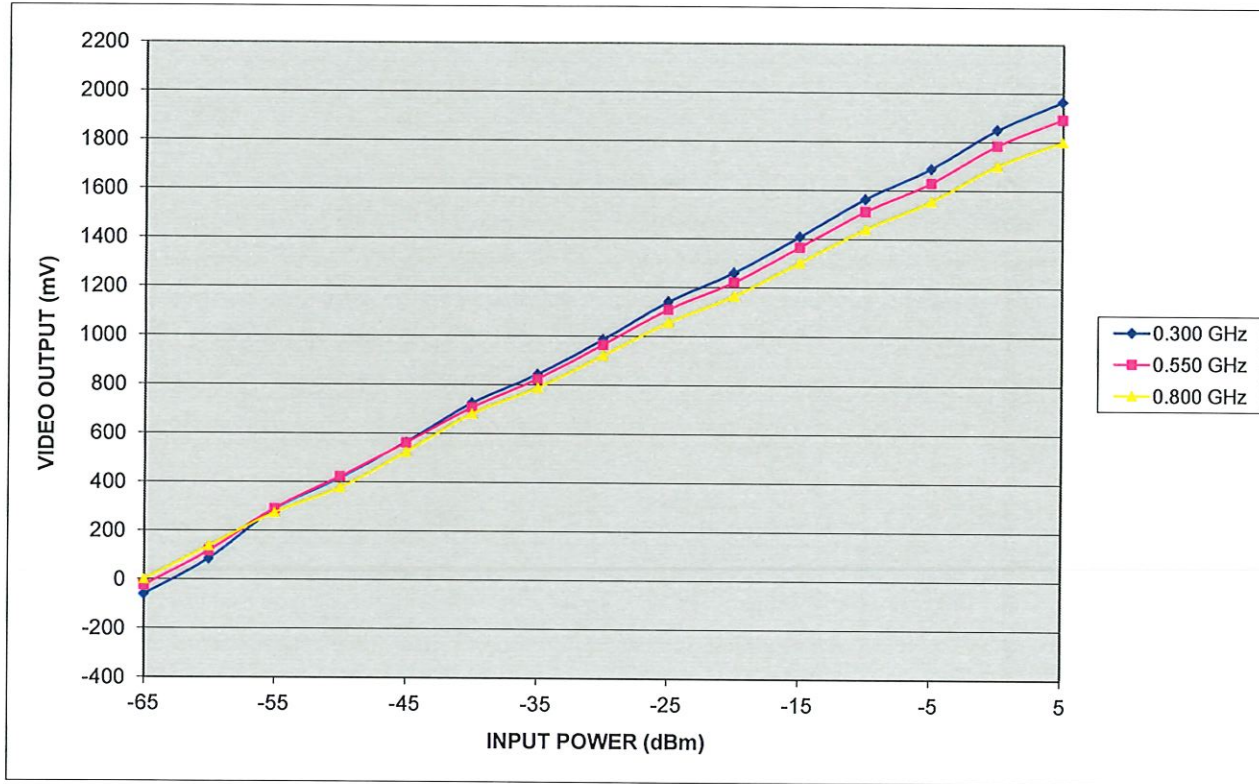
0.80 INTERCEPT (mV) 1690
 SLOPE (mV/dB) 25.88
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 1.17
 LINEARITY(-65 TO +5dBm) ± 1.23
 FREQUENCY FLATNESS ± 3.29

TSS -54C
 -65dBm MAX -66dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.62V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-61	85	286	416	563	725	842	986	1142	1260	1408	1564	1689	1849	1965	
0.30 Error (mV)	-35	-34	24	10	14	32	5	5	17	-9	-5	7	-11	4	-23	
0.30 Limited If Output (dBm)	-15.84	-15.81	-15.97	-16.04	-16.01	-16.02	-16.05	-16.04	-16.04	-16.06	-16.07	-16.07	-16.08	-16.08	-16.08	
0.55 Measured Value (mV)	-25	116	290	421	561	706	823	965	1110	1221	1366	1512	1630	1784	1892	
0.55 Error (mV)	-28	-23	15	9	12	21	1	7	15	-10	-2	8	-11	7	-22	
0.55 Limited If Output (dBm)	-15.78	-15.80	-15.85	-15.90	-15.98	-16.00	-15.94	-15.95	-15.99	-16.01	-16.01	-16.01	-16.00	-16.01	-16.03	
0.80 Measured Value (mV)	-1	136	272	376	523	681	786	920	1056	1164	1302	1439	1554	1700	1800	
0.80 Error (mV)	-9	-2	6	-21	-3	26	2	6	12	-9	0	8	-7	10	-20	
0.80 Limited If Output (dBm)	-15.76	-15.78	-15.82	-15.84	-15.80	-15.94	-15.92	-15.91	-15.96	-15.98	-15.97	-15.97	-15.97	-15.99	-16.06	



LIMITED IF OUTPUT MAX -15.76 dBm
 LIMITED IF OUTPUT MIN -16.08 dBm
 LIMITED IF FLATNESS ± 0.16 dBm