

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4359
 TESTED BY: H. HAHN
 DATE: 6/AUG/2008



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 ISO 9001:2000 CERTIFIED

Frequency

0.30 INTERCEPT (mV) 1619
 SLOPE (mV/dB) 27.56
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1553
 SLOPE (mV/dB) 26.18
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1458
 SLOPE (mV/dB) 24.42
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.77
 LINEARITY(-65 TO +5dBm) ± 0.77
 FREQUENCY FLATNESS ± 3.30

TSS 25C
 -65dBm MAX -69 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.56V

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

IF OUTPUT VSWR
 2:1 MAX @ 25C 1.24:1

VIDEO RISE TIME
 25 nS MAX @ 25C 16 nS

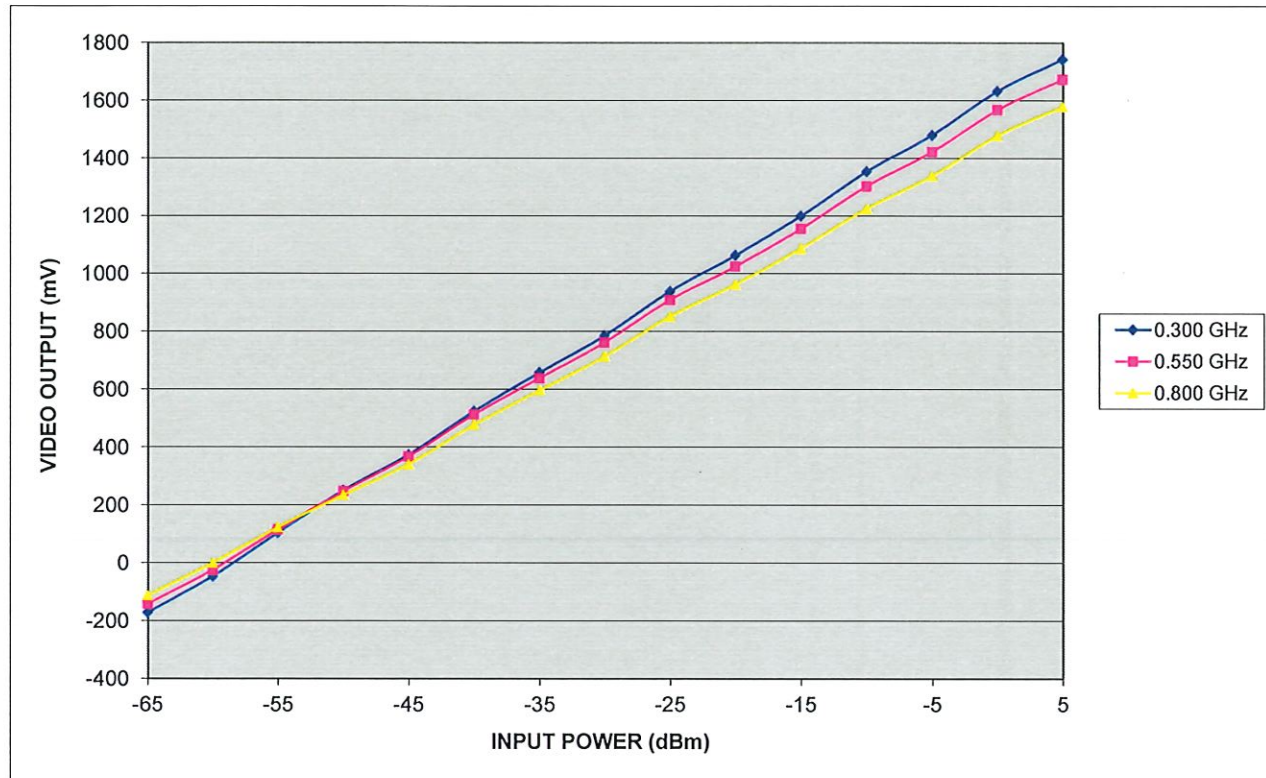
VIDEO FALL TIME
 80 nS MAX @ 25C 38 nS

PROPAGATION DELAY
 40 nS MAX @ 25C 12 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)	-172	-46	104	251	374	525	658	785	938	1063	1199	1353	1479	1632	1742	Measured Value (mV)
0.30 Error (mV)	0	-12	1	10	-5	8	3	-8	8	-5	-7	9	-2	13	-15	Error (mV)
0.30 Measured Value (mV)	-16.61	-16.36	-16.31	-16.26	-16.22	-16.18	-16.17	-16.16	-16.16	-16.16	-16.17	-16.18	-16.18	-16.18	-16.19	Measured Value (mV)
0.55 Measured Value (mV)	-143	-25	114	248	367	513	638	761	908	1024	1154	1302	1420	1567	1672	Measured Value (mV)
0.55 Error (mV)	6	-8	1	3	-8	7	1	-7	9	-6	-6	10	-2	13	-13	Error (mV)
0.55 Measured Value (mV)	-16.63	-16.38	-16.31	-16.22	-16.15	-16.15	-16.20	-16.21	-16.21	-16.22	-16.23	-16.22	-16.22	-16.23	-16.25	Measured Value (mV)
0.80 Measured Value (mV)	-113	-1	122	235	340	477	596	713	851	961	1085	1224	1337	1477	1577	Measured Value (mV)
0.80 Error (mV)	16	6	7	-2	-19	-4	-7	-13	4	-8	-6	10	1	19	-3	Error (mV)
0.80 Measured Value (mV)	-16.46	-16.32	-16.28	-16.27	-16.23	-16.17	-16.21	-16.24	-16.26	-16.27	-16.27	-16.26	-16.26	-16.27	-16.31	Measured Value (mV)



LIMITED IF OUTPUT MAX -16.15 dBm
 LIMITED IF OUTPUT MIN -16.61 dBm
 LIMITED IF FLATNESS ± 0.23 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4359
 TESTED BY: H. HAHN
 DATE: 13/AUG/2008



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Frequency

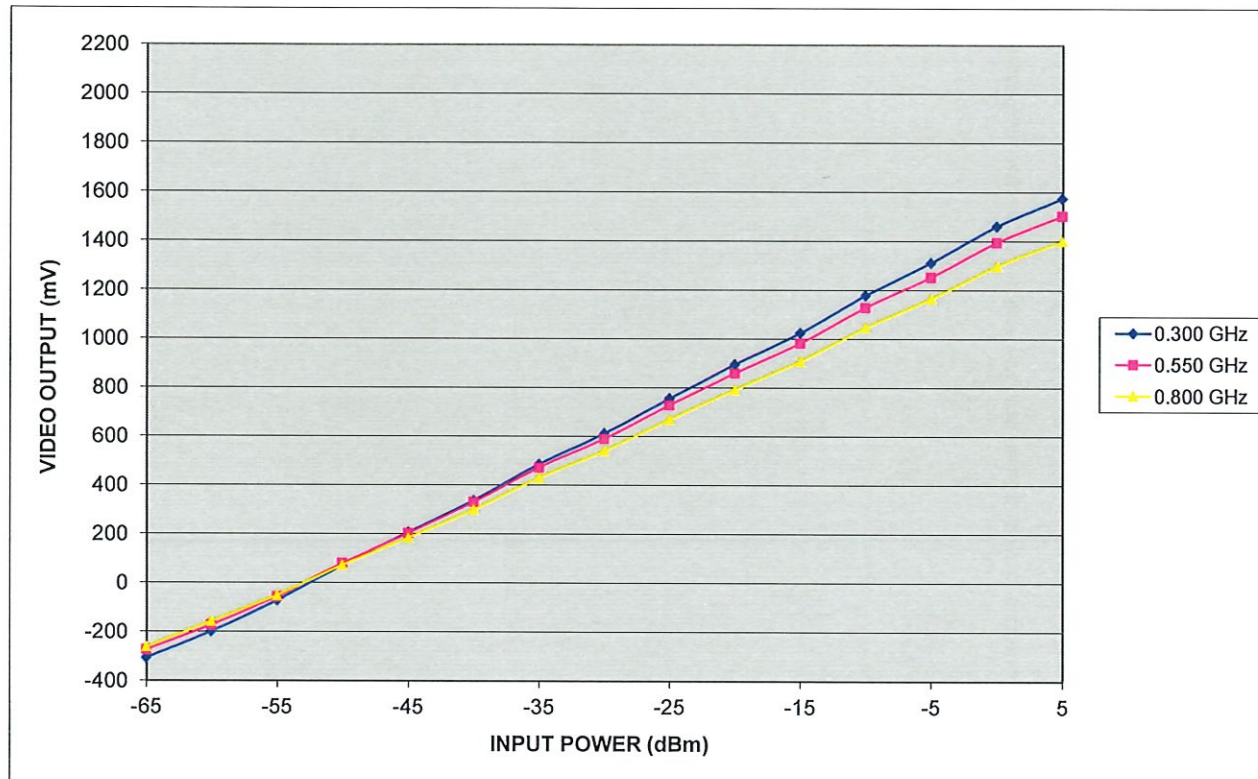
0.30 INTERCEPT (mV) 1442
 SLOPE (mV/dB) 27.35
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1377
 SLOPE (mV/dB) 25.9
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1277
 SLOPE (mV/dB) 24.11
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.78
 LINEARITY(-65 TO +5dBm) ± 1.21
 FREQUENCY FLATNESS ± 3.48

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-307	-199	-73	72	206	336	486	611	756	895	1024	1177	1310	1460	1574	Measured Value (mV)
0.30 Error (mV)	29	0	-11	-2	-6	-12	1	-11	-3	-1	-8	8	5	17	-5	Error (mV)
0.30 Limited IF Output (dBm)	-16.89	-16.31	-16.08	-16.96	-16.89	-15.84	-15.80	-15.79	-15.79	-15.79	-15.80	-15.80	-15.80	-15.80	-15.81	Measured Value (mV)
0.55 Measured Value (mV)	-275	-174	-58	78	202	330	471	589	727	858	981	1128	1252	1395	1503	Measured Value (mV)
0.55 Error (mV)	31	2	-11	-4	-10	-12	0	-12	-3	-1	-8	9	4	17	-4	Error (mV)
0.55 Limited IF Output (dBm)	-16.69	-16.30	-16.08	-15.96	-15.87	-15.83	-15.84	-15.84	-15.85	-15.86	-15.86	-15.86	-15.86	-15.87	-15.90	Measured Value (mV)
0.80 Measured Value (mV)	-264	-158	-53	72	183	297	428	539	668	791	907	1045	1163	1296	1400	Measured Value (mV)
0.80 Error (mV)	25	10	-5	-1	-9	-16	-5	-15	-6	-4	-9	8	6	19	2	Error (mV)
0.80 Limited IF Output (dBm)	-16.67	-16.17	-16.01	-15.93	-15.90	-15.90	-15.90	-15.91	-15.92	-15.92	-15.92	-15.92	-15.93	-15.94	-15.97	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.79 dBm
 LIMITED IF OUTPUT MIN -16.89 dBm
 LIMITED IF FLATNESS ± 0.55 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4359
 TESTED BY: H. HAHN
 DATE: 13/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1420
 SLOPE (mV/dB) 27.38
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1355
 SLOPE (mV/dB) 25.91
 LIMITED IF OUTPUT (dBm)

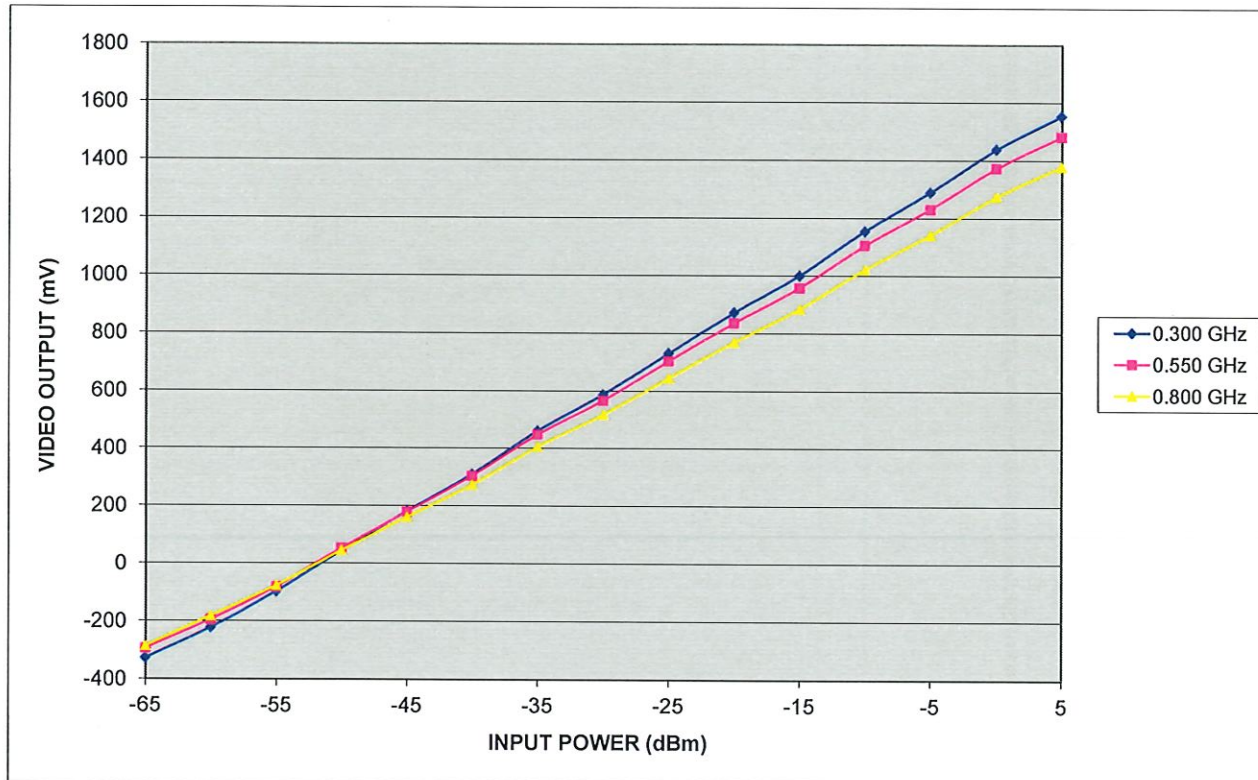
0.80 INTERCEPT (mV) 1255
 SLOPE (mV/dB) 24.14
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.77
 LINEARITY(-65 TO +5dBm) ± 1.32
 FREQUENCY FLATNESS ± 3.49

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-327	-222	-97	45	182	311	461	588	730	872	1001	1154	1289	1437	1553	Measured Value (mV)
0.30 Error (mV)	33	0	-11	-5	-6	-14	0	-11	-5	0	-8	8	6	18	-4	Error (mV)
0.30 Limited IF Output (dBm)	-17.21	-16.57	-16.30	-16.17	-16.09	-16.04	-16.00	-15.99	-15.98	-15.98	-15.99	-15.99	-16.00	-16.00	-16.00	Measured Value (mV)
0.55 Measured Value (mV)	-295	-195	-82	53	179	305	447	566	703	836	958	1105	1231	1372	1482	Measured Value (mV)
0.55 Error (mV)	34	4	-12	-6	-10	-14	-1	-11	-4	-1	-8	9	5	18	-2	Error (mV)
0.55 Limited IF Output (dBm)	-16.98	-16.54	-16.30	-16.17	-16.08	-16.03	-16.03	-16.04	-16.05	-16.05	-16.06	-16.06	-16.06	-16.07	-16.09	Measured Value (mV)
0.80 Measured Value (mV)	-288	-183	-78	45	161	273	405	517	644	769	884	1021	1141	1274	1378	Measured Value (mV)
0.80 Error (mV)	26	11	-5	-3	-8	-16	-5	-14	-8	-4	-9	8	6	19	2	Error (mV)
0.80 Limited IF Output (dBm)	-16.87	-16.42	-16.23	-16.14	-16.10	-16.10	-16.11	-16.11	-16.12	-16.12	-16.12	-16.12	-16.13	-16.14	-16.17	Measured Value (mV)

TSS 95C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.54V



LIMITED IF OUTPUT MAX -15.98 dBm
 LIMITED IF OUTPUT MIN -17.21 dBm
 LIMITED IF FLATNESS ± 0.61 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4359
 TESTED BY: H. HAHN
 DATE: 13/AUG/2008



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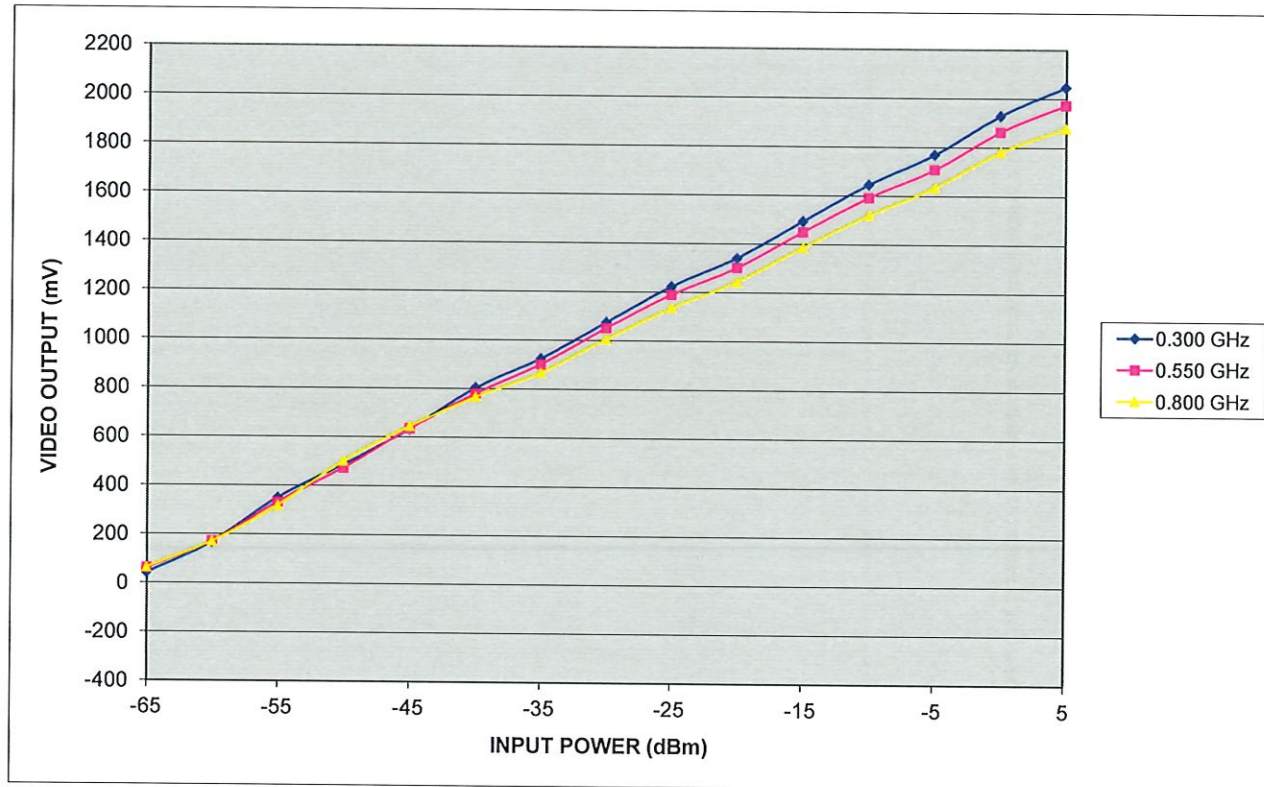
Frequency

0.30 INTERCEPT (mV) 1925
 SLOPE (mV/dB) 28.79
 LIMITED IF OUTPUT (dBm)
 0.55 INTERCEPT (mV) 1861
 SLOPE (mV/dB) 27.64
 LIMITED IF OUTPUT (dBm)
 0.80 INTERCEPT (mV) 1776
 SLOPE (mV/dB) 26.07
 LIMITED IF OUTPUT (dBm)
 LINEARITY(-60 TO 0dBm) ± 1.59
 LINEARITY(-65 TO +5dBm) ± 1.59
 FREQUENCY FLATNESS ± 3.34

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	41	167	351	487	632	803	924	1074	1224	1341	1494	1645	1769	1930	2047	
0.30 Error (mV)	-13	-32	8	1	2	29	6	13	18	-8	0	8	-13	4	-23	
0.30 Limited If Output (dBm)	-15.64	-15.63	-15.73	-15.84	-15.88	-15.97	-16.01	-15.97	-16.00	-16.02	-16.03	-16.04	-16.04	-16.04	-16.04	
0.55 Measured Value (mV)	60	170	331	472	634	779	900	1051	1189	1301	1450	1592	1708	1864	1973	
0.55 Error (mV)	-4	-32	-9	-7	17	24	7	20	19	-7	3	7	-15	3	-26	
0.55 Limited If Output (dBm)	-15.61	-15.62	-15.65	-15.72	-15.88	-15.88	-15.84	-15.88	-15.92	-15.95	-15.95	-15.94	-15.94	-15.94	-15.95	
0.80 Measured Value (mV)	62	170	317	500	644	765	866	1005	1134	1243	1386	1519	1634	1780	1880	
0.80 Error (mV)	-19	-41	-25	28	41	32	2	11	10	-11	1	4	-12	5	-26	
0.80 Limited If Output (dBm)	-15.60	-15.60	-15.66	-15.89	-15.93	-15.96	-15.93	-15.88	-15.90	-15.90	-15.88	-15.88	-15.88	-15.91	-15.99	

TSS -54C
 -65dBm MAX -65 dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.7V



LIMITED IF OUTPUT MAX -15.60 dBm
 LIMITED IF OUTPUT MIN -16.04 dBm
 LIMITED IF FLATNESS ± 0.22 dBm