

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4360
 TESTED BY: H. HAHN
 DATE: 13/AUG/2008



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 ISO 9001:2000 CERTIFIED

Frequency

0.30 INTERCEPT (mV) 1593
 SLOPE (mV/dB) 28.02
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1529
 SLOPE (mV/dB) 26.6
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1427
 SLOPE (mV/dB) 24.73
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.78
 LINEARITY(-65 TO +5dBm) ± 0.90
 FREQUENCY FLATNESS ± 3.41

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30	-218	-94	46	200	324	471	616	742	897	1029	1164	1322	1453	1607	1721	Measured Value (mV)
0.30	11	-6	-5	8	-8	-1	4	-10	5	-3	-8	10	1	14	-11	Error (mV)
0.30	-16.84	-16.49	-16.38	-16.31	-16.26	-16.22	-16.20	-16.20	-16.19	-16.19	-16.20	-16.21	-16.21	-16.21	-16.22	Measured Value (mV)
0.55	-183	-71	61	201	322	464	599	721	870	993	1123	1274	1396	1544	1653	Measured Value (mV)
0.55	17	-5	-5	2	-10	-1	1	-10	6	-4	-8	11	0	15	-9	Error (mV)
0.55	-16.73	-16.50	-16.37	-16.28	-16.20	-16.19	-16.22	-16.24	-16.24	-16.25	-16.26	-16.25	-16.25	-16.26	-16.29	Measured Value (mV)
0.80	-158	-49	69	192	297	428	554	670	809	926	1049	1190	1307	1447	1551	Measured Value (mV)
0.80	22	8	2	2	-18	-11	-7	-16	0	-7	-7	10	3	19	0	Error (mV)
0.80	-16.60	-16.40	-16.34	-16.30	-16.28	-16.25	-16.26	-16.28	-16.30	-16.30	-16.30	-16.30	-16.31	-16.32	-16.36	Measured Value (mV)

TSS 25C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.46V

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

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

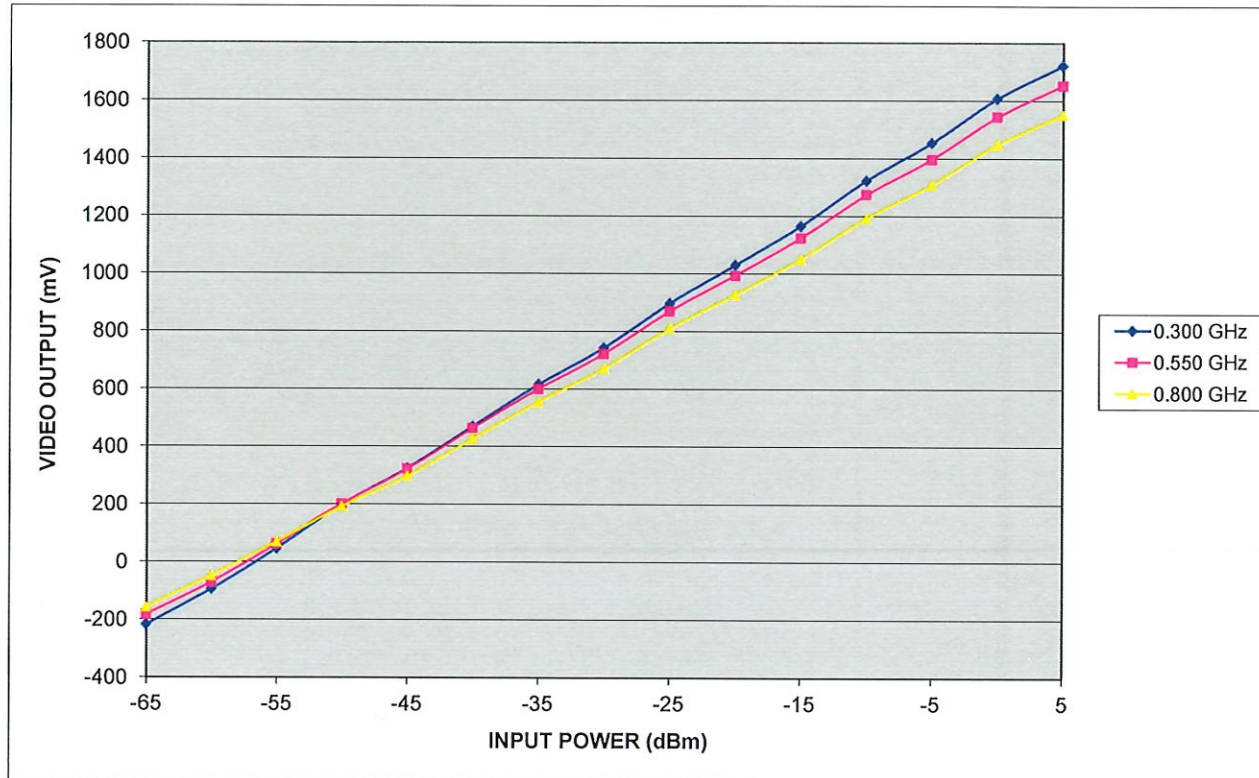
VIDEO RISE TIME 25 nS MAX @ 25C
 16 nS

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



LIMITED IF OUTPUT MAX -16.19 dBm
 LIMITED IF OUTPUT MIN -16.84 dBm
 LIMITED IF FLATNESS ± 0.33 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4360
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 DATE: 12/AUG/2008



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Frequency

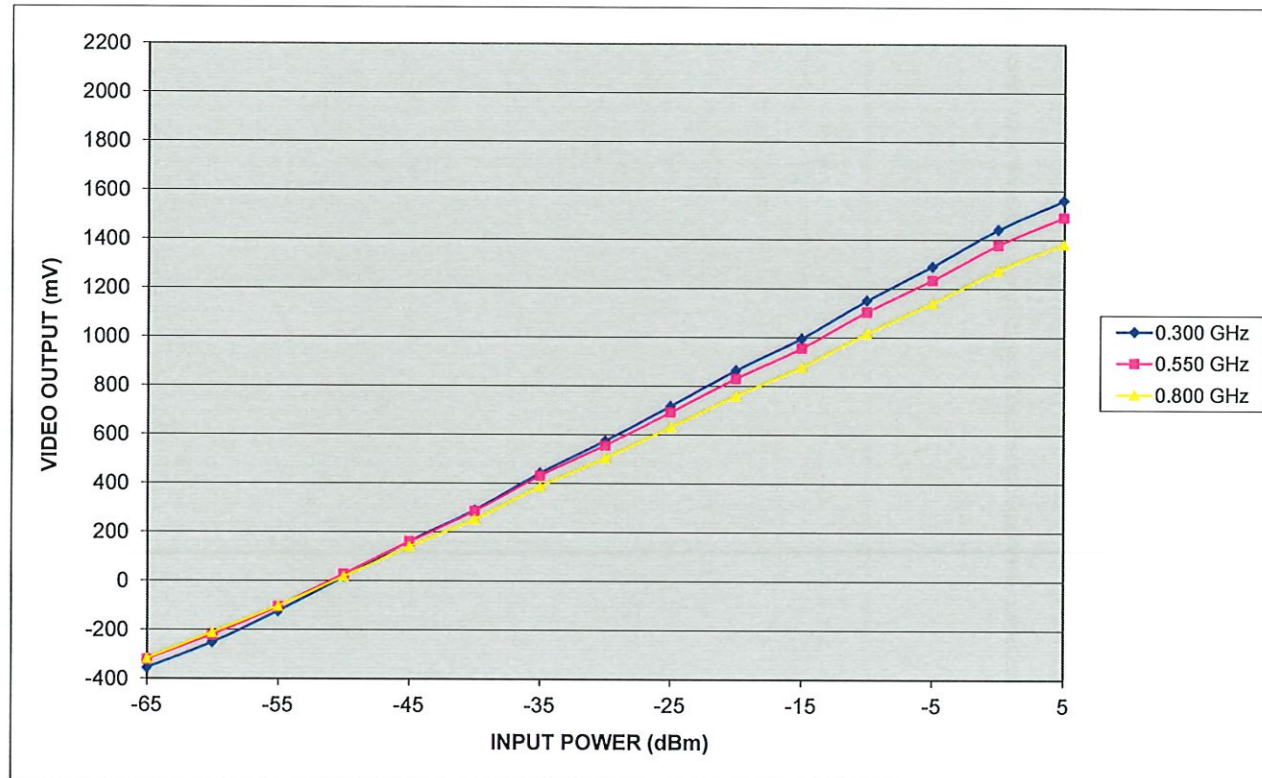
0.30 INTERCEPT (mV) 1422
 SLOPE (mV/dB) 27.92
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1360
 SLOPE (mV/dB) 26.45
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1256
 SLOPE (mV/dB) 24.65
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.75
 LINEARITY(-65 TO +5dBm) ± 1.42
 FREQUENCY FLATNESS ± 3.56

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-355	-251	-124	17	160	290	442	574	717	864	995	1150	1290	1441	1560	
0.30 Error (mV)	37	2	-11	-9	-6	-16	-3	-10	-7	0	-8	7	7	19	-2	
0.30 Limited IF Output (dBm)	-17.30	-16.61	-16.31	-16.17	-16.09	-16.03	-16.00	-15.98	-15.97	-15.97	-15.98	-15.98	-15.99	-15.99	-15.99	
0.55 Measured Value (mV)	-322	-221	-107	27	160	286	431	555	692	830	954	1103	1234	1378	1491	
0.55 Error (mV)	38	6	-12	-10	-10	-16	-3	-11	-6	0	-8	8	7	18	-1	
0.55 Limited IF Output (dBm)	-17.04	-16.56	-16.31	-16.17	-16.08	-16.03	-16.02	-16.02	-16.03	-16.04	-16.05	-16.05	-16.05	-16.06	-16.09	
0.80 Measured Value (mV)	-319	-213	-105	17	139	252	386	503	630	760	877	1016	1140	1274	1382	
0.80 Error (mV)	28	11	-5	-6	-7	-17	-6	-13	-9	-3	-9	7	7	19	3	
0.80 Limited IF Output (dBm)	-16.95	-16.45	-16.25	-16.13	-16.08	-16.08	-16.09	-16.10	-16.11	-16.11	-16.11	-16.11	-16.12	-16.13	-16.16	



LIMITED IF OUTPUT MAX -15.97 dBm
 LIMITED IF OUTPUT MIN -17.30 dBm
 LIMITED IF FLATNESS ± 0.67 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4360
 TESTED BY: H. HAHN
 DATE: 13/AUG/2008



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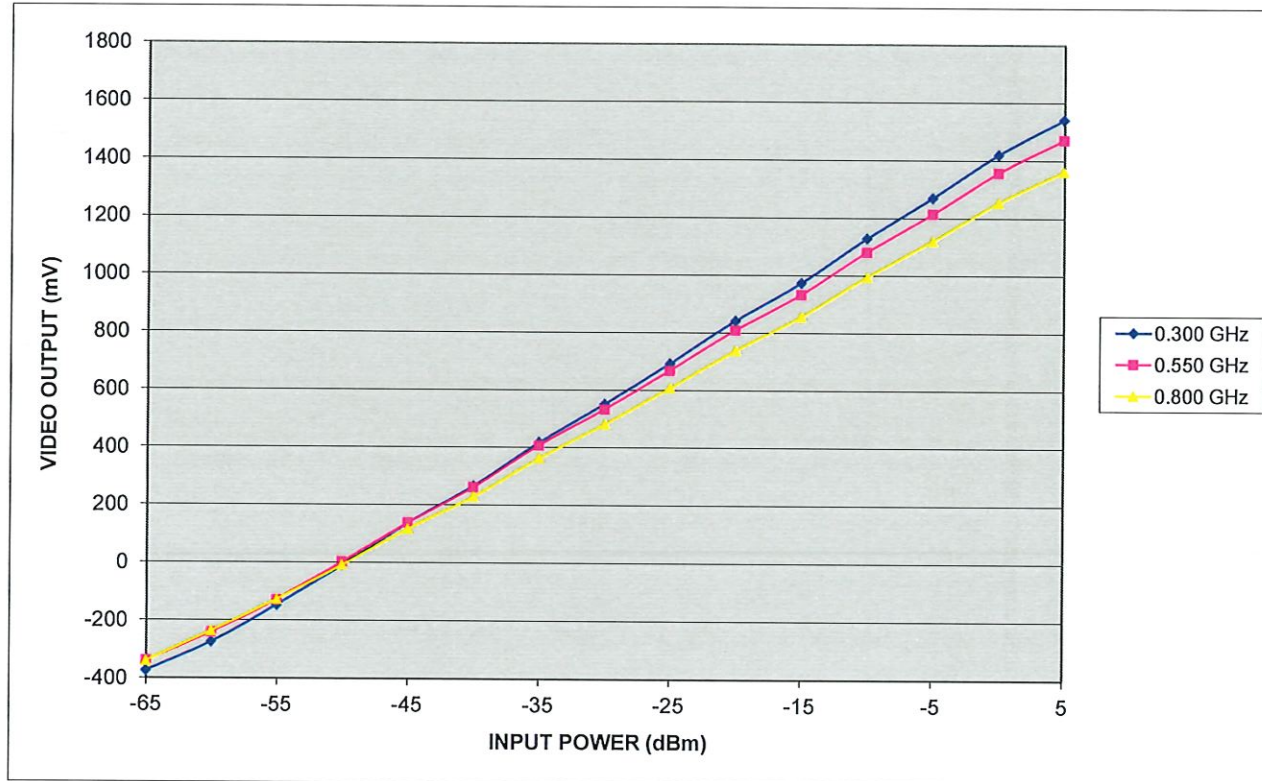
Frequency

0.30 INTERCEPT (mV) 1401
 SLOPE (mV/dB) 27.94
 LIMITED IF OUTPUT (dBm)
 0.55 INTERCEPT (mV) 1338
 SLOPE (mV/dB) 26.45
 LIMITED IF OUTPUT (dBm)
 0.80 INTERCEPT (mV) 1234
 SLOPE (mV/dB) 24.69
 LIMITED IF OUTPUT (dBm)
 LINEARITY(-60 TO 0dBm) ± 0.75
 LINEARITY(-65 TO +5dBm) ± 1.56
 FREQUENCY FLATNESS ± 3.59

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-374	-274	-147	-9	137	266	418	552	693	842	973	1128	1269	1420	1540	
0.30 Error (mV)	42	2	-10	-12	-6	-17	-5	-10	-9	0	-8	7	8	19	-1	
0.30 Limited If Output (dBm)	-17.45	-16.70	-16.36	-16.21	-16.12	-16.06	-16.02	-16.00	-16.00	-15.99	-16.00	-16.00	-16.01	-16.01	-16.01	
0.55 Measured Value (mV)	-341	-243	-129	3	137	262	407	533	668	808	932	1081	1213	1356	1471	
0.55 Error (mV)	41	7	-12	-12	-10	-18	-5	-11	-8	0	-8	8	8	19	1	
0.55 Limited If Output (dBm)	-17.15	-16.63	-16.36	-16.20	-16.10	-16.05	-16.04	-16.05	-16.05	-16.06	-16.06	-16.07	-16.07	-16.08	-16.11	
0.80 Measured Value (mV)	-342	-238	-128	-8	117	229	362	481	607	737	855	993	1118	1252	1360	
0.80 Error (mV)	30	10	-4	-8	-6	-18	-7	-12	-10	-3	-8	6	8	18	3	
0.80 Limited If Output (dBm)	-17.09	-16.53	-16.29	-16.16	-16.11	-16.11	-16.11	-16.12	-16.13	-16.13	-16.13	-16.13	-16.14	-16.15	-16.18	

TSS 95C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.54V



LIMITED IF OUTPUT MAX -15.99 dBm
 LIMITED IF OUTPUT MIN -17.45 dBm
 LIMITED IF FLATNESS ± 0.73 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4360
 TESTED BY: H. HAHN
 DATE: 13/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1900
 SLOPE (mV/dB) 29.34
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1836
 SLOPE (mV/dB) 28.03
 LIMITED IF OUTPUT (dBm)

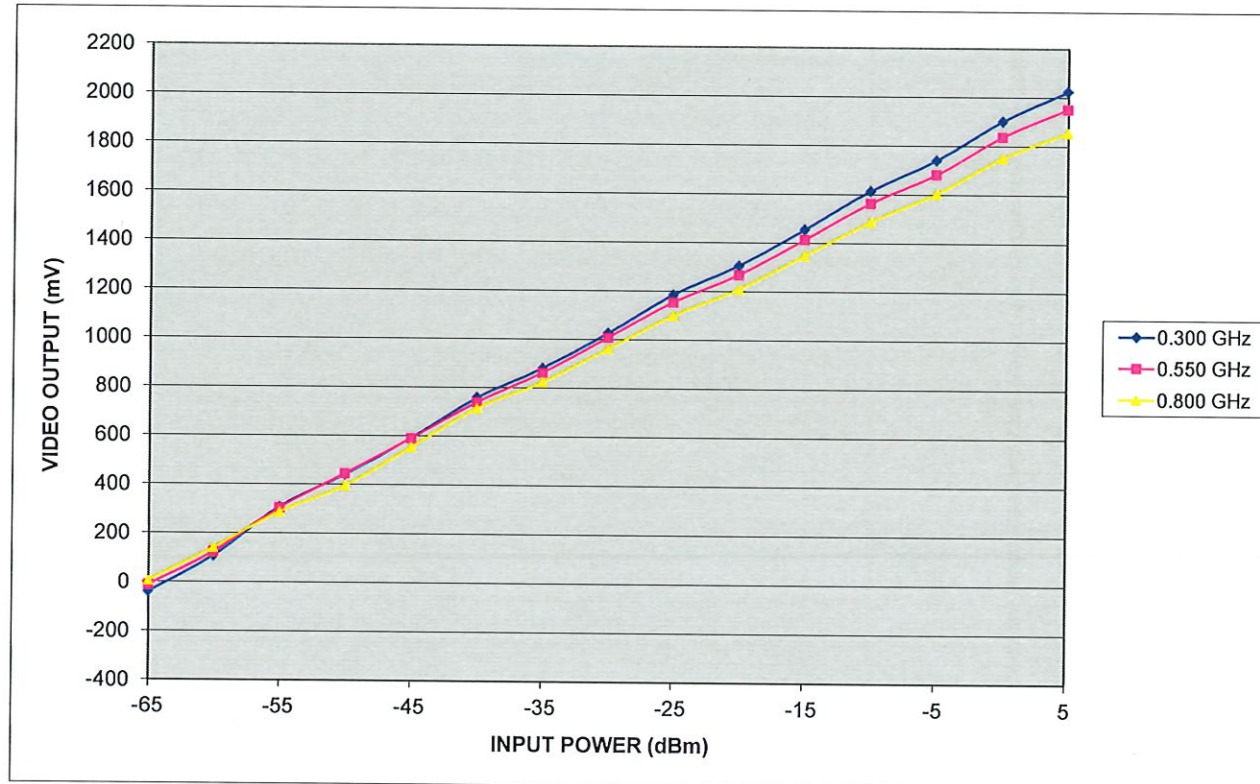
0.80 INTERCEPT (mV) 1746
 SLOPE (mV/dB) 26.6
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 1.21
 LINEARITY(-65 TO +5dBm) ± 1.21
 FREQUENCY FLATNESS ± 3.38

TSS -54C
 -65dBm MAX -65 dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.7V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-40	107	307	441	590	758	880	1026	1185	1306	1455	1614	1741	1901	2024	Measured Value (mV)
0.30 Error (mV)	-33	-33	21	8	10	32	7	7	19	-7	-4	8	-13	1	-23	Error (mV)
0.30 Limited If Flatness (mV)	-15.89	-15.80	-15.94	-16.00	-16.02	-16.05	-16.08	-16.07	-16.06	-16.08	-16.09	-16.10	-16.11	-16.11	-16.11	Measured Value (mV)
0.55 Measured Value (mV)	-13	122	303	444	589	739	861	1007	1164	1267	1413	1563	1682	1838	1952	Measured Value (mV)
0.55 Error (mV)	-27	-32	9	10	15	25	7	12	19	-8	-2	8	-14	2	-24	Error (mV)
0.55 Limited If Flatness (mV)	-15.81	-15.79	-15.82	-15.88	-16.03	-16.05	-15.96	-15.96	-16.01	-16.04	-16.05	-16.04	-16.04	-16.05	-16.06	Measured Value (mV)
0.80 Measured Value (mV)	3	138	285	395	553	714	822	980	1098	1208	1348	1487	1603	1750	1855	Measured Value (mV)
0.80 Error (mV)	-14	-12	2	-21	4	32	7	12	17	-6	1	7	-10	4	-24	Error (mV)
0.80 Limited If Flatness (mV)	-15.79	-15.77	-15.79	-15.86	-15.86	-15.99	-15.95	-15.93	-15.98	-16.01	-16.00	-15.99	-15.99	-16.02	-16.11	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.77 dBm
 LIMITED IF OUTPUT MIN -16.11 dBm
 LIMITED IF FLATNESS ± 0.17 dBm