

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4330
 TESTED BY: H. HAHN
 DATE: 11/AUG/2008



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 ISO 9001:2000 CERTIFIED

Frequency

0.30 INTERCEPT (mV) 1658
 SLOPE (mV/dB) 27.99
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1591
 SLOPE (mV/dB) 26.55
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1492
 SLOPE (mV/dB) 24.78
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.75
 LINEARITY(-65 TO +5dBm) ± 0.75
 FREQUENCY FLATNESS ± 3.40

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30	-161	-33	121	270	393	546	682	811	967	1093	1231	1388	1516	1671	1785	Measured Value (mV)
	0	-11	2	11	-6	7	3	-8	9	-5	-8	9	-2	13	-14	Error (mV)
	-16.39	-16.15	-16.11	-16.06	-16.02	-16.99	-15.97	-15.97	-15.97	-15.97	-15.98	-15.99	-15.99	-15.99	-16.00	Measured Value (mV)
0.55	-127	-9	131	266	388	534	662	787	936	1054	1186	1336	1456	1604	1713	Measured Value (mV)
	8	-7	0	2	-8	6	0	-8	9	-6	-7	10	-2	13	-11	Error (mV)
	-16.32	-16.18	-16.11	-16.03	-15.97	-15.96	-16.00	-16.02	-16.03	-16.04	-16.04	-16.03	-16.03	-16.05	-16.07	Measured Value (mV)
0.80	-101	12	137	251	359	496	616	736	876	988	1114	1254	1369	1511	1614	Measured Value (mV)
	17	7	7	-2	-19	-5	-8	-13	4	-8	-7	10	1	19	-2	Error (mV)
	-16.25	-16.12	-16.09	-16.08	-16.05	-16.00	-16.02	-16.05	-16.07	-16.08	-16.08	-16.08	-16.08	-16.10	-16.14	Measured Value (mV)

TSS 25C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.4V

INPUT VSWR
 2:1 MAX @ 25C 1.12:1

IF OUTPUT VSWR
 2:1 MAX @ 25C 1.53:1

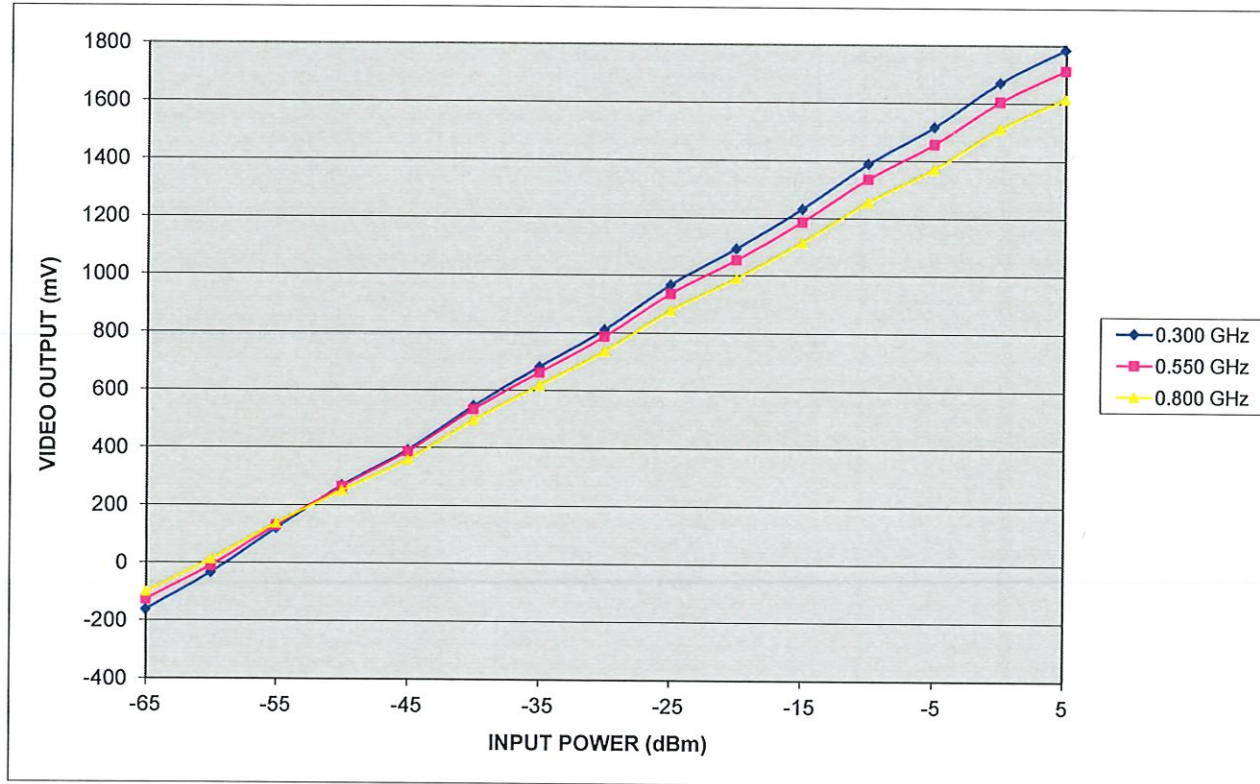
VIDEO RISE TIME
 25 nS MAX @ 25C 18 nS

VIDEO FALL TIME
 80 nS MAX @ 25C 46 nS

PROPAGATION DELAY
 40 nS MAX @ 25C 14 nS

+5 V @ 70 mA MAX 31 mA

-5.2 V @ 200 mA MAX 116 mA



LIMITED IF OUTPUT MAX -15.96 dBm
 LIMITED IF OUTPUT MIN -16.39 dBm
 LIMITED IF FLATNESS ± 0.21 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4330
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Frequency

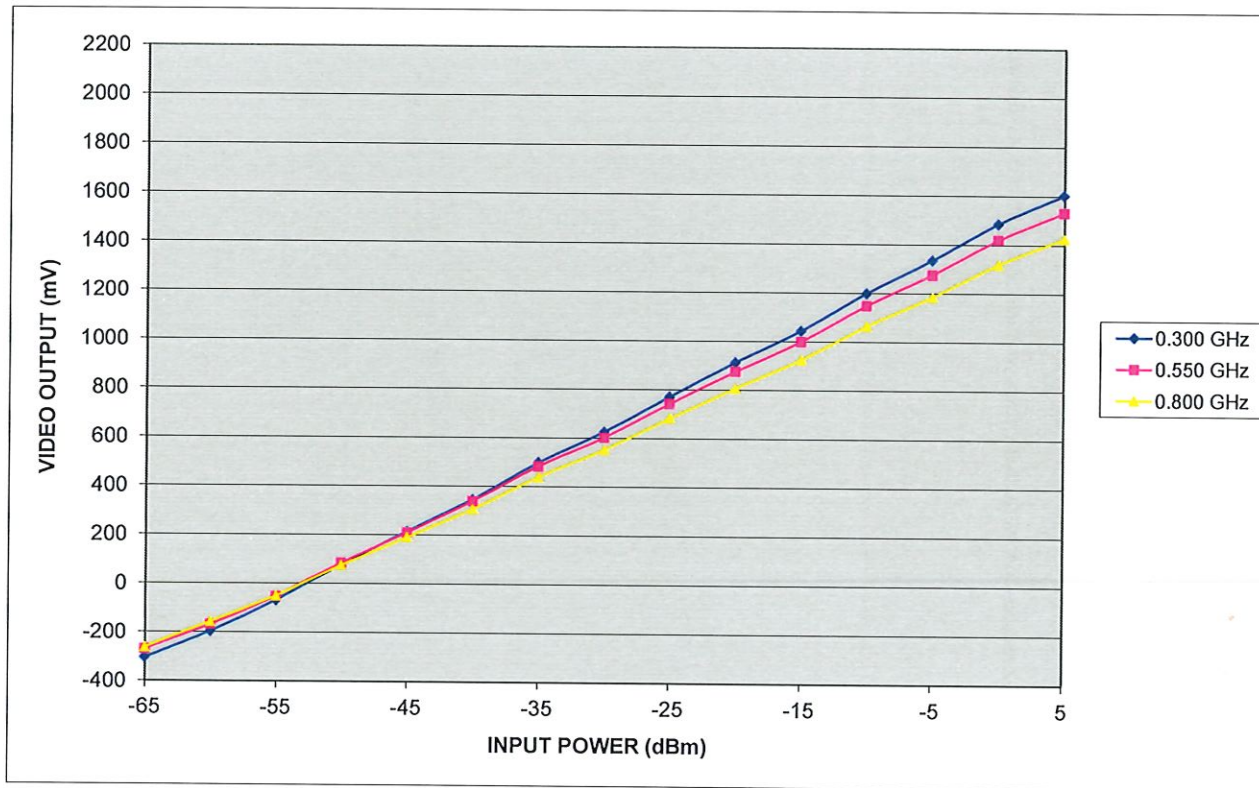
0.30 INTERCEPT (mV) 1469
 SLOPE (mV/dB) 27.76
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1403
 SLOPE (mV/dB) 26.26
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1300
 SLOPE (mV/dB) 24.47
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.76
 LINEARITY(-65 TO +5dBm) ± 1.30
 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)	-304	-196	-69	78	214	346	498	625	771	913	1044	1200	1335	1486	1604	
0.30 Error (mV)	31	0	-11	-3	-6	-13	0	-11	-4	-1	-9	8	5	17	-4	
0.30 Limited IF Output (dBm)	-16.90	-16.33	-16.09	-15.98	-15.90	-15.85	-15.82	-15.81	-15.81	-15.81	-15.81	-15.82	-15.82	-15.82	-15.83	
0.55 Measured Value (mV)	-270	-168	-52	84	210	339	483	603	743	876	1000	1149	1277	1421	1533	
0.55 Error (mV)	34	4	-11	-6	-11	-13	-1	-12	-4	-1	-9	9	5	18	-1	
0.55 Limited IF Output (dBm)	-16.69	-16.30	-16.10	-15.98	-15.90	-15.86	-15.85	-15.86	-15.87	-15.88	-15.88	-15.89	-15.89	-15.90	-15.93	
0.80 Measured Value (mV)	-263	-158	-51	75	190	305	438	551	681	807	924	1063	1184	1319	1426	
0.80 Error (mV)	27	10	-5	-2	-9	-16	-6	-15	-7	-4	-9	8	6	19	3	
0.80 Limited IF Output (dBm)	-16.60	-16.20	-16.03	-15.95	-15.92	-15.92	-15.93	-15.94	-15.94	-15.94	-15.95	-15.95	-15.96	-15.97	-16.01	



LIMITED IF OUTPUT MAX -15.81 dBm
 LIMITED IF OUTPUT MIN -16.90 dBm
 LIMITED IF FLATNESS ± 0.55 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4330
 TESTED BY: H. HAHN
 DATE: 11/AUG/2008



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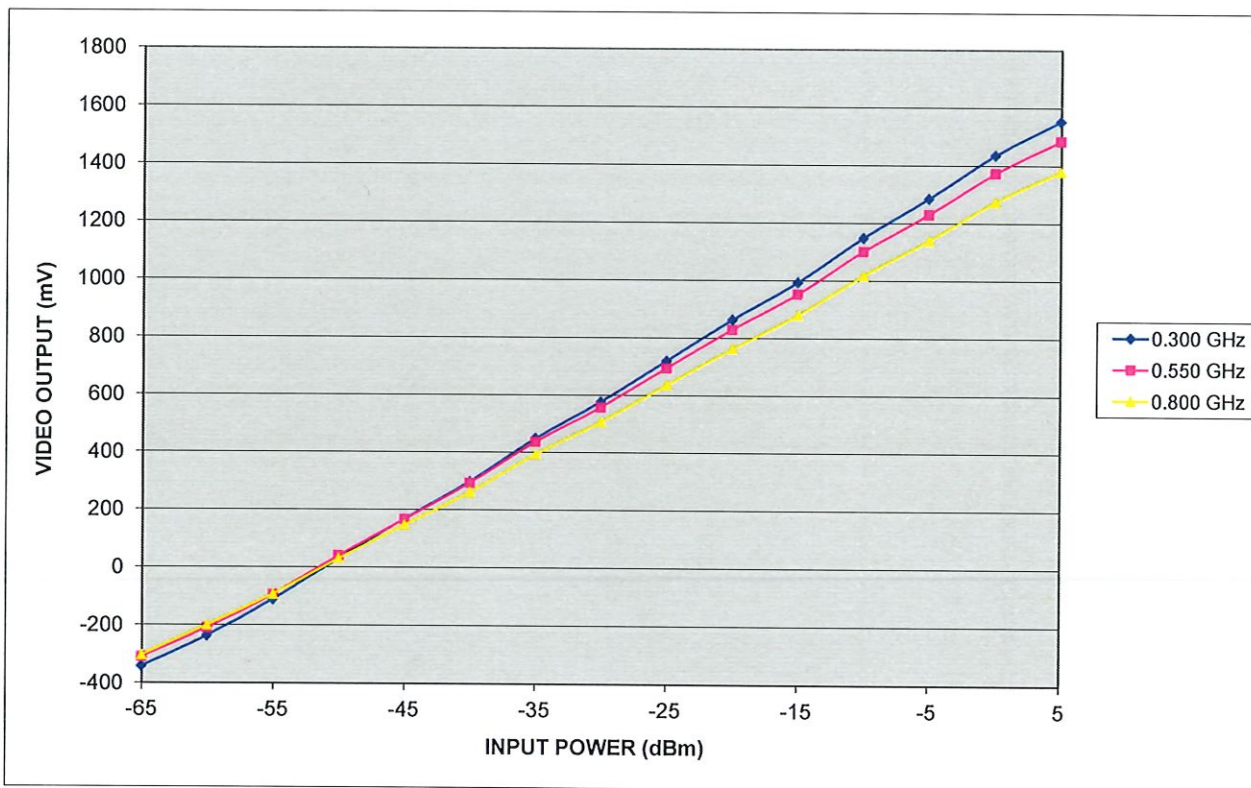
Frequency

0.30 INTERCEPT (mV) 1416
 SLOPE (mV/dB) 27.57
 LIMITED IF OUTPUT (dBm)
 0.55 INTERCEPT (mV) 1354
 SLOPE (mV/dB) 26.13
 LIMITED IF OUTPUT (dBm)
 0.80 INTERCEPT (mV) 1253
 SLOPE (mV/dB) 24.39
 LIMITED IF OUTPUT (dBm)
 LINEARITY(-60 TO 0dBm) ± 0.77
 LINEARITY(-65 TO +5dBm) ± 1.33
 FREQUENCY FLATNESS ± 3.47

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-342	-237	-111	32	169	299	450	577	720	864	994	1148	1284	1435	1552	
0.30 Error (mV)	34	1	-10	-5	-6	-15	-2	-12	-7	-1	-9	8	6	18	-2	
0.30 Measured Value (mV)	-17.09	-16.47	-16.21	-16.09	-16.01	-15.96	-15.92	-15.91	-15.90	-15.90	-15.91	-15.91	-15.92	-15.92	-15.92	
0.55 Measured Value (mV)	-310	-209	-94	41	168	294	438	558	695	830	953	1102	1229	1372	1484	
0.55 Error (mV)	35	5	-11	-6	-10	-14	-2	-13	-6	-2	-9	9	6	18	-1	
0.55 Measured Value (mV)	-16.87	-16.44	-16.21	-16.08	-15.99	-15.95	-15.94	-15.95	-15.96	-15.97	-15.98	-15.98	-15.98	-15.99	-16.01	
0.80 Measured Value (mV)	-304	-200	-93	32	148	261	394	507	635	762	879	1017	1138	1272	1379	
0.80 Error (mV)	28	10	-5	-2	-8	-16	-6	-15	-8	-4	-9	8	7	19	3	
0.80 Measured Value (mV)	-16.79	-16.34	-16.15	-16.05	-16.01	-16.01	-16.02	-16.02	-16.03	-16.03	-16.03	-16.04	-16.04	-16.06	-16.09	

TSS 95C
 -65dBm MAX -66 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.32V



LIMITED IF OUTPUT MAX -15.90 dBm
 LIMITED IF OUTPUT MIN -17.09 dBm
 LIMITED IF FLATNESS ± 0.59 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4329
 TESTED BY: H. HAHN
 DATE: 11/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1950
 SLOPE (mV/dB) 28.96
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1886
 SLOPE (mV/dB) 27.8
 LIMITED IF OUTPUT (dBm)

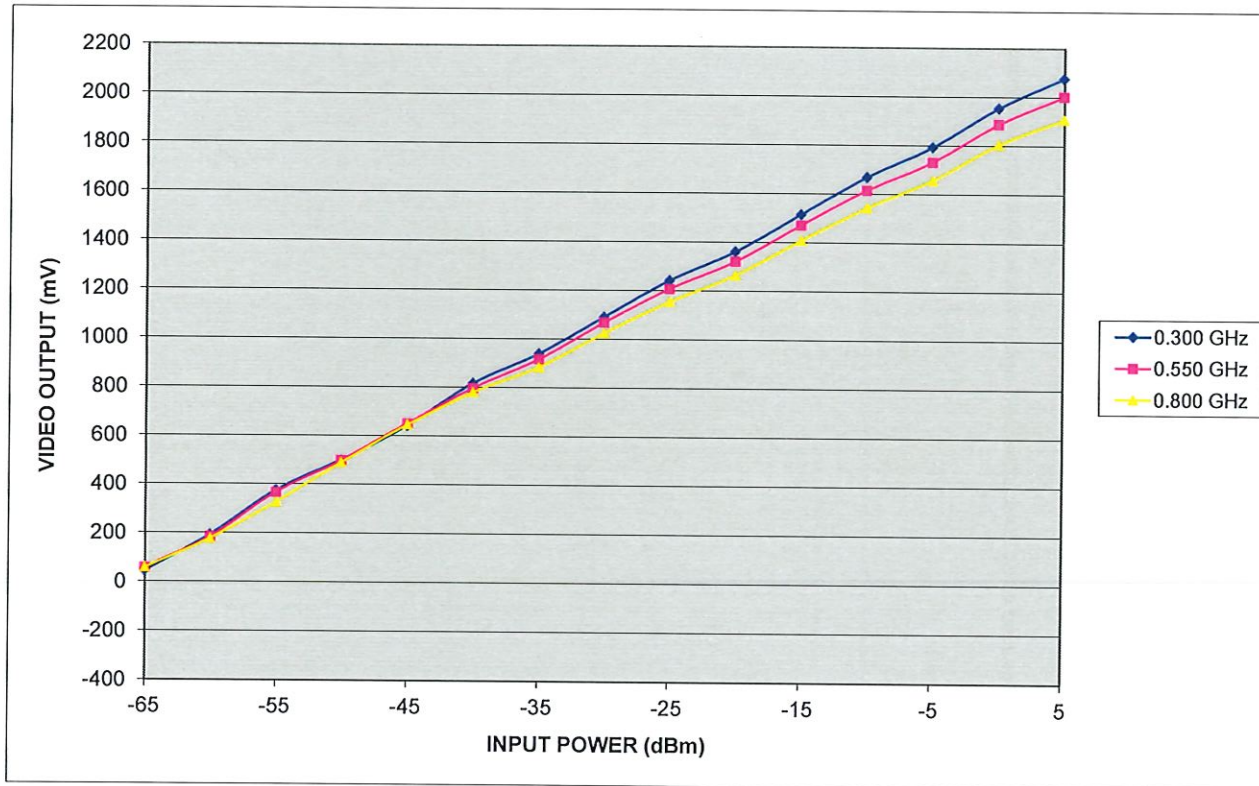
0.80 INTERCEPT (mV) 1803
 SLOPE (mV/dB) 26.5
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 1.38
 LINEARITY(-65 TO +5dBm) ± 1.38
 FREQUENCY FLATNESS ± 3.36

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	45	193	376	600	643	818	939	1091	1242	1361	1514	1669	1793	1954	2076	
0.30 Error (mV)	-22	-19	19	-1	-4	26	3	11	17	-10	-1	9	-12	4	-19	
0.30 Measured Value (mV)	-15.42	-15.44	-15.55	-15.62	-15.66	-15.76	-15.78	-15.76	-15.77	-15.79	-15.81	-15.82	-15.83	-15.83	-15.83	
0.55 Measured Value (mV)	57	185	367	498	651	797	917	1069	1208	1321	1471	1615	1732	1889	2002	
0.55 Error (mV)	-22	-33	10	3	16	23	4	17	17	-9	2	7	-15	3	-23	
0.55 Measured Value (mV)	-15.40	-15.42	-15.46	-15.56	-15.69	-15.63	-15.66	-15.71	-15.75	-15.76	-15.77	-15.76	-15.76	-15.76	-15.77	
0.80 Measured Value (mV)	57	177	326	490	646	780	884	1025	1154	1263	1407	1543	1657	1804	1907	
0.80 Error (mV)	-23	-36	-20	12	36	37	8	17	14	-10	2	5	-14	1	-28	
0.80 Measured Value (mV)	-15.39	-15.40	-15.47	-15.65	-15.64	-15.73	-15.66	-15.65	-15.69	-15.70	-15.69	-15.69	-15.70	-15.74	-15.80	

TSS -54C
 -65dBm MAX -66dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.62V



LIMITED IF OUTPUT MAX -15.39 dBm
 LIMITED IF OUTPUT MIN -15.83 dBm
 LIMITED IF FLATNESS ± 0.22 dBm