

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4326
 TESTED BY: H. HAHN
 DATE:96/AUG/2008



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 ISO 9001:2000 CERTIFIED

Frequency

0.30 INTERCEPT (mV) 1635
 SLOPE (mV/dB) 27.53
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1571
 SLOPE (mV/dB) 26.19
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1480
 SLOPE (mV/dB) 24.79
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.66
 LINEARITY(-65 TO +5dBm) ± 0.69
 FREQUENCY FLATNESS ± 3.28

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-141	-21	123	262	385	536	669	797	952	1077	1214	1370	1497	1651	1766	Measured Value (mV)
0.30 Error (mV)	13	-4	2	4	-11	2	-3	-12	6	-8	-8	10	0	16	-7	Error (mV)
0.30 Limited IF Output (dBm)	-16.24	-15.97	-15.88	-15.82	-15.78	-15.74	-15.73	-15.72	-15.71	-15.72	-15.72	-15.73	-15.73	-15.72	-15.72	Limited IF Output (dBm)
0.55 Measured Value (mV)	-113	-2	132	260	378	525	649	773	923	1039	1170	1321	1440	1588	1697	Measured Value (mV)
0.55 Error (mV)	18	-2	2	-1	-14	2	-6	-12	6	-8	-8	12	0	17	-5	Error (mV)
0.55 Limited IF Output (dBm)	-16.17	-15.98	-15.87	-15.80	-15.73	-15.72	-15.74	-15.76	-15.77	-15.78	-15.78	-15.78	-15.78	-15.78	-15.81	Limited IF Output (dBm)
0.80 Measured Value (mV)	-121	-5	124	245	352	487	605	724	865	976	1101	1242	1356	1497	1602	Measured Value (mV)
0.80 Error (mV)	10	2	7	4	-13	-2	-8	-13	4	-8	-7	10	-1	16	-2	Error (mV)
0.80 Limited IF Output (dBm)	-16.17	-15.94	-15.86	-15.83	-15.83	-15.81	-15.81	-15.83	-15.84	-15.85	-15.84	-15.84	-15.85	-15.87	-15.91	Limited IF Output (dBm)

TSS 25C
 -65dBm MAX -68 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.49V

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

IF OUTPUT VSWR
 2:1 MAX @ 25C 1.38:1

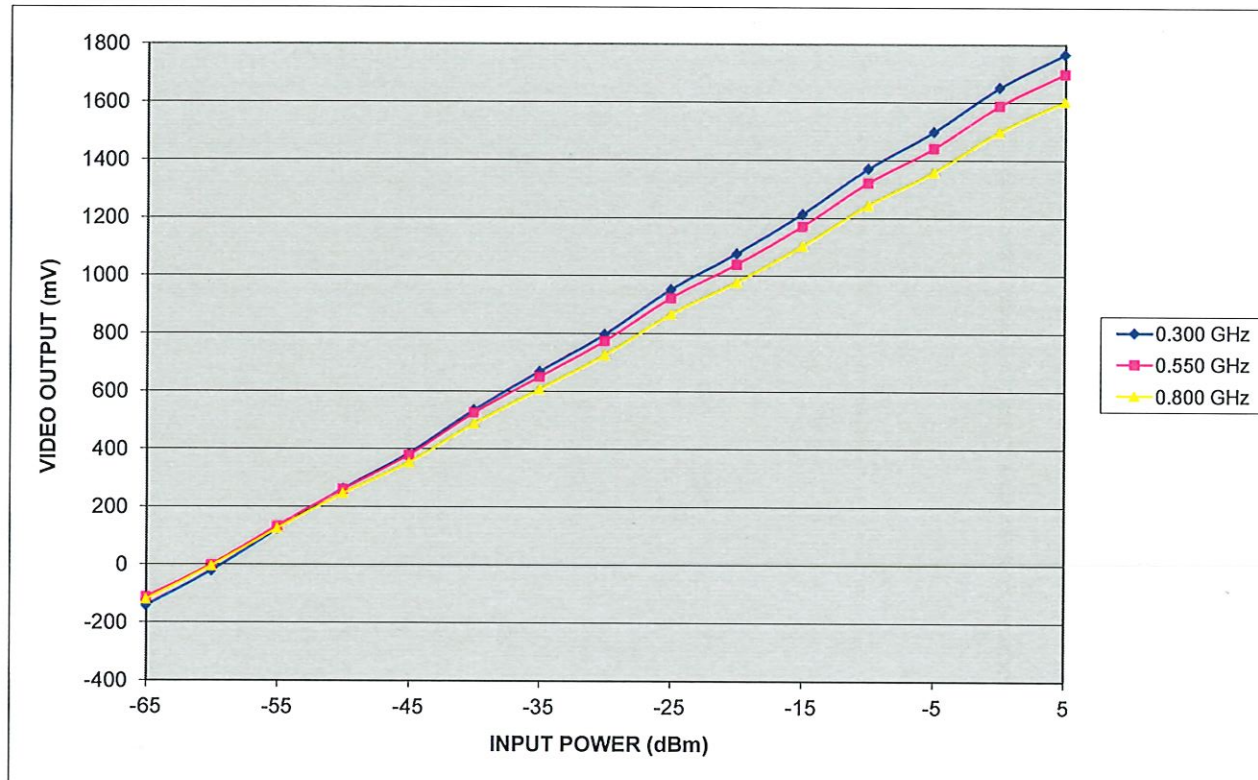
VIDEO RISE TIME
 25 nS MAX @ 25C 20 nS

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 118 mA



LIMITED IF OUTPUT MAX -15.71 dBm
 LIMITED IF OUTPUT MIN -16.24 dBm
 LIMITED IF FLATNESS ± 0.26 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4326
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 DATE: 8/AUG/2008



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Frequency

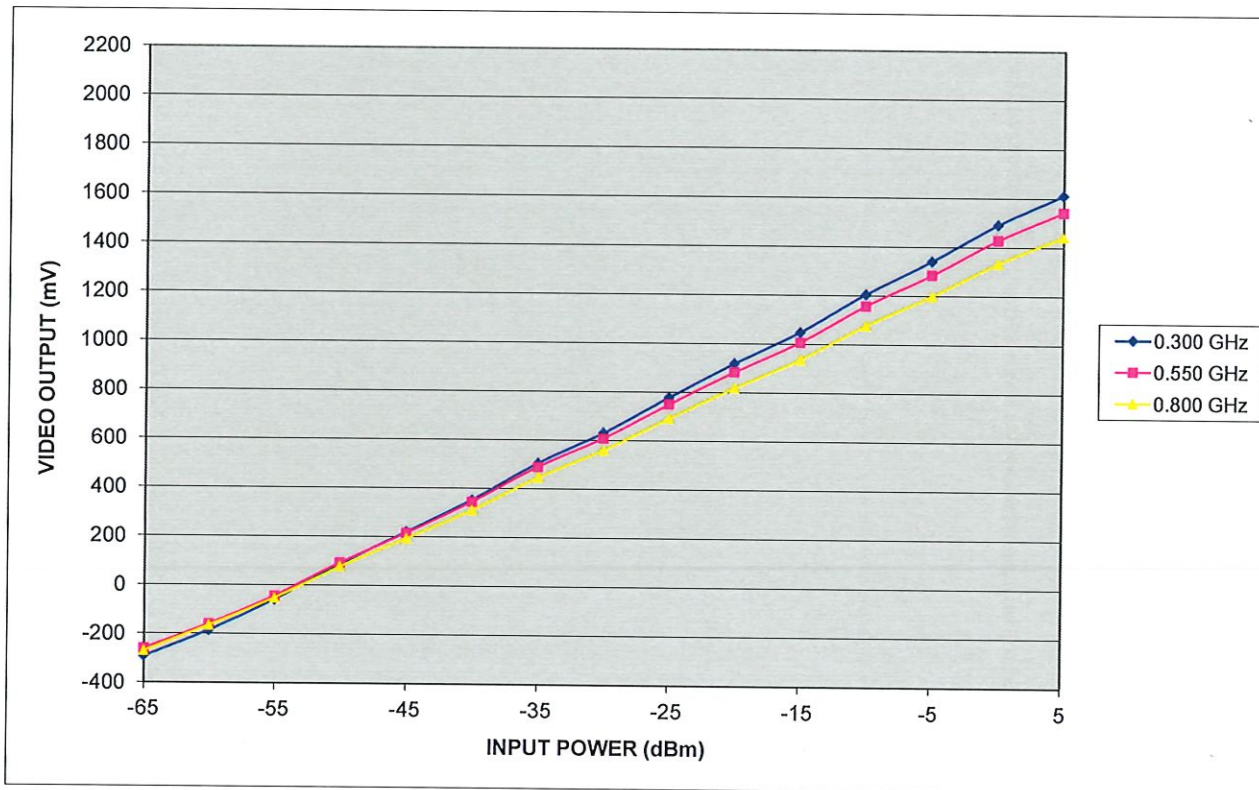
0.30 INTERCEPT (mV) 1474
 SLOPE (mV/dB) 27.68
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1410
 SLOPE (mV/dB) 26.27
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1316
 SLOPE (mV/dB) 24.81
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.68
 LINEARITY(-65 TO +5dBm) ± 1.35
 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 Measured Value (mV)	-293	-186	-60	88	220	353	505	630	777	918	1049	1205	1341	1492	1611	
0.30 Error (mV)	33	1	-11	-2	-8	-14	0	-13	-5	-2	-10	8	5	18	-1	
0.30 Limited IF Output (dBm)	-16.57	-16.04	-15.81	-15.70	-15.63	-15.59	-15.56	-15.54	-15.54	-15.54	-15.54	-15.55	-15.55	-15.55	-15.55	
0.55 Measured Value (mV)	-262	-161	-46	92	215	345	489	608	749	883	1006	1157	1284	1428	1543	
0.55 Error (mV)	35	5	-11	-4	-13	-15	-2	-14	-4	-2	-10	9	5	18	1	
0.55 Limited IF Output (dBm)	-16.39	-16.02	-15.83	-15.71	-15.64	-15.60	-15.59	-15.60	-15.60	-15.61	-15.61	-15.62	-15.62	-15.63	-15.65	
0.80 Measured Value (mV)	-272	-167	-54	76	192	309	445	558	690	817	935	1076	1197	1332	1442	
0.80 Error (mV)	25	6	-6	1	-8	-14	-3	-14	-5	-3	-9	8	5	16	1	
0.80 Limited IF Output (dBm)	-16.44	-16.01	-15.81	-15.70	-15.67	-15.68	-15.69	-15.69	-15.70	-15.70	-15.70	-15.70	-15.70	-15.72	-15.74	



LIMITED IF OUTPUT MAX -15.54 dBm
 LIMITED IF OUTPUT MIN -16.57 dBm
 LIMITED IF FLATNESS ± 0.52 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4326
 TESTED BY: H. HAHN
 DATE: 8/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1456
 SLOPE (mV/dB) 27.77
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1392
 SLOPE (mV/dB) 26.33
 LIMITED IF OUTPUT (dBm)

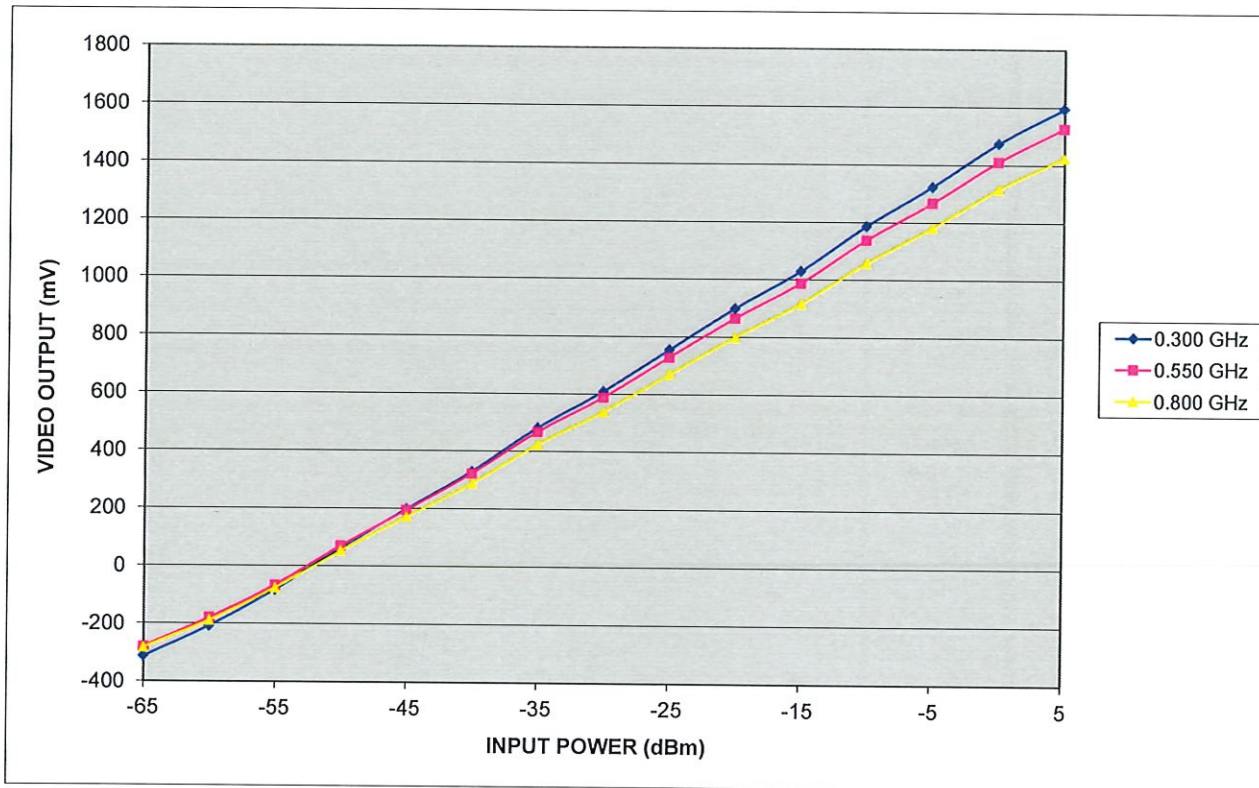
0.80 INTERCEPT (mV) 1297
 SLOPE (mV/dB) 24.84
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.69
 LINEARITY(-65 TO +5dBm) ± 1.43
 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 Measured Value (mV)	-314	-209	-83	63	198	330	483	610	755	899	1029	1186	1323	1473	1595	
0.30 Error (mV)	35	2	-11	-4	-8	-15	-1	-12	-6	-1	-10	8	6	18	0	
0.30 Limited IF Output (dBm)	-16.77	-16.19	-15.92	-15.80	-15.73	-15.68	-15.65	-15.64	-15.63	-15.63	-15.64	-15.64	-15.64	-15.64	-15.64	
0.55 Measured Value (mV)	-282	-181	-68	69	195	322	468	588	728	864	987	1138	1266	1410	1526	
0.55 Error (mV)	38	7	-11	-6	-12	-17	-3	-14	-6	-1	-10	9	6	18	2	
0.55 Limited IF Output (dBm)	-16.67	-16.16	-15.94	-15.81	-15.74	-15.70	-15.69	-15.69	-15.70	-15.71	-15.71	-15.71	-15.71	-15.72	-15.74	
0.80 Measured Value (mV)	-284	-190	-78	52	171	287	423	538	669	797	915	1056	1179	1314	1424	
0.80 Error (mV)	34	4	-8	-3	-8	-17	-4	-14	-7	-3	-9	8	6	17	3	
0.80 Limited IF Output (dBm)	-16.64	-16.16	-15.93	-15.81	-15.77	-15.78	-15.79	-15.80	-15.80	-15.80	-15.80	-15.80	-15.80	-15.81	-15.84	

TSS 95C
 -65dBm MAX -66 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.41V



LIMITED IF OUTPUT MAX -15.63 dBm
 LIMITED IF OUTPUT MIN -16.77 dBm
 LIMITED IF FLATNESS ± 0.57 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4326
 TESTED BY: H. HAHN
 DATE: 8/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1918
 SLOPE (mV/dB) 28.53
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1854
 SLOPE (mV/dB) 27.2
 LIMITED IF OUTPUT (dBm)

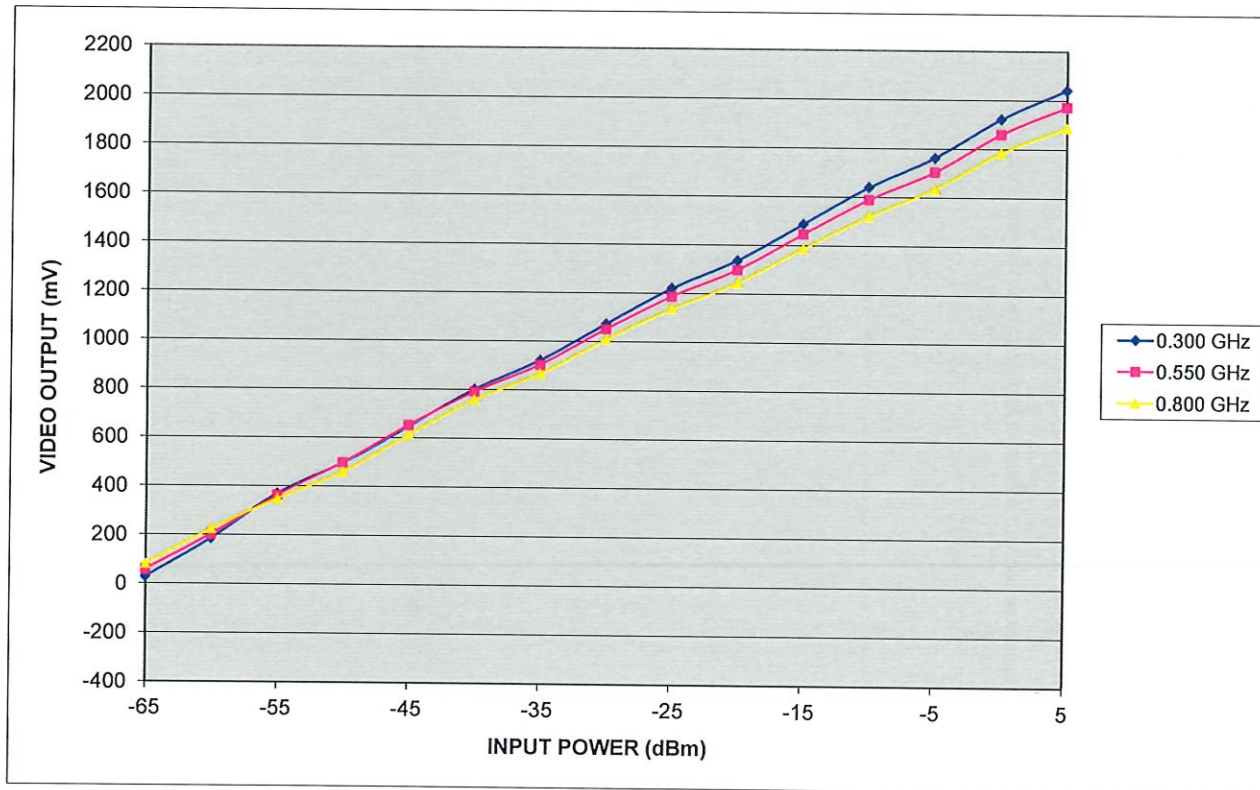
0.80 INTERCEPT (mV) 1772
 SLOPE (mV/dB) 25.89
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.91
 LINEARITY(-65 TO +5dBm) ± 1.23
 FREQUENCY FLATNESS ± 3.08

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	28	185	369	495	646	802	921	1073	1220	1336	1488	1639	1762	1922	2041	
0.30 Error (mV)	-35	-21	20	4	12	25	2	11	15	-11	-2	7	-13	4	-19	
0.30 Limited IF Output (dBm)	-15.49	-15.42	-15.56	-15.57	-15.58	-15.69	-15.61	-15.59	-15.59	-15.61	-15.63	-15.63	-15.64	-15.64	-15.64	
0.55 Measured Value (mV)	57	201	362	497	652	790	902	1051	1186	1296	1445	1588	1703	1859	1970	
0.55 Error (mV)	-28	-20	5	4	22	25	1	14	13	-13	0	7	-14	5	-19	
0.55 Limited IF Output (dBm)	-15.42	-15.40	-15.42	-15.42	-15.47	-15.53	-15.52	-15.51	-15.55	-15.58	-15.57	-15.56	-15.56	-15.57	-15.58	
0.80 Measured Value (mV)	78	223	347	458	611	757	865	1007	1135	1243	1385	1520	1633	1783	1887	
0.80 Error (mV)	-11	5	-1	-19	4	21	-1	12	10	-11	2	6	-10	10	-15	
0.80 Limited IF Output (dBm)	-15.38	-15.36	-15.38	-15.42	-15.38	-15.47	-15.45	-15.46	-15.61	-15.63	-15.61	-15.60	-15.49	-15.49	-15.56	

TSS -54C
 -65dBm MAX -66dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.69V



LIMITED IF OUTPUT MAX -15.36 dBm
 LIMITED IF OUTPUT MIN -15.64 dBm
 LIMITED IF FLATNESS ± 0.14 dBm