

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4345
 TESTED BY: H. HAHN
 DATE: 11/AUG/2008



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 ISO 9001:2000 CERTIFIED

Frequency

0.30 INTERCEPT (mV) 1591
 SLOPE (mV/dB) 27.42
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1525
 SLOPE (mV/dB) 26
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1426
 SLOPE (mV/dB) 24.21
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.82
 LINEARITY(-65 TO +5dBm) ± 0.94
 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)	-186	-62	82	230	349	497	633	758	911	1037	1172	1326	1453	1605	1716	
0.30 Error (mV)	5	-8	-1	10	-7	3	2	-10	6	-5	-7	10	0	14	-12	
0.30 Limited IF Output (dBm)	-16.65	-16.35	-16.26	-16.20	-16.16	-16.12	-16.11	-16.10	-16.10	-16.10	-16.11	-16.12	-16.13	-16.13	-16.14	
0.55 Measured Value (mV)	-151	-39	94	228	345	487	615	736	882	1000	1128	1276	1395	1540	1646	
0.55 Error (mV)	13	-5	-1	2	-10	2	-1	-10	6	-6	-7	10	-1	15	-9	
0.55 Limited IF Output (dBm)	-16.56	-16.37	-16.27	-16.18	-16.11	-16.11	-16.14	-16.15	-16.16	-16.18	-16.18	-16.18	-16.18	-16.19	-16.22	
0.80 Measured Value (mV)	-125	-18	100	214	317	449	570	684	822	934	1056	1195	1308	1446	1548	
0.80 Error (mV)	23	8	5	-2	-20	-9	-9	-16	1	-8	-7	10	3	20	0	
0.80 Limited IF Output (dBm)	-16.48	-16.33	-16.28	-16.26	-16.22	-16.17	-16.20	-16.22	-16.25	-16.26	-16.26	-16.25	-16.25	-16.27	-16.31	

TSS 25C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.41V

INPUT VSWR 2:1 MAX @ 25C
 1.15:1

IF OUTPUT VSWR 2:1 MAX @ 25C
 1.41:1

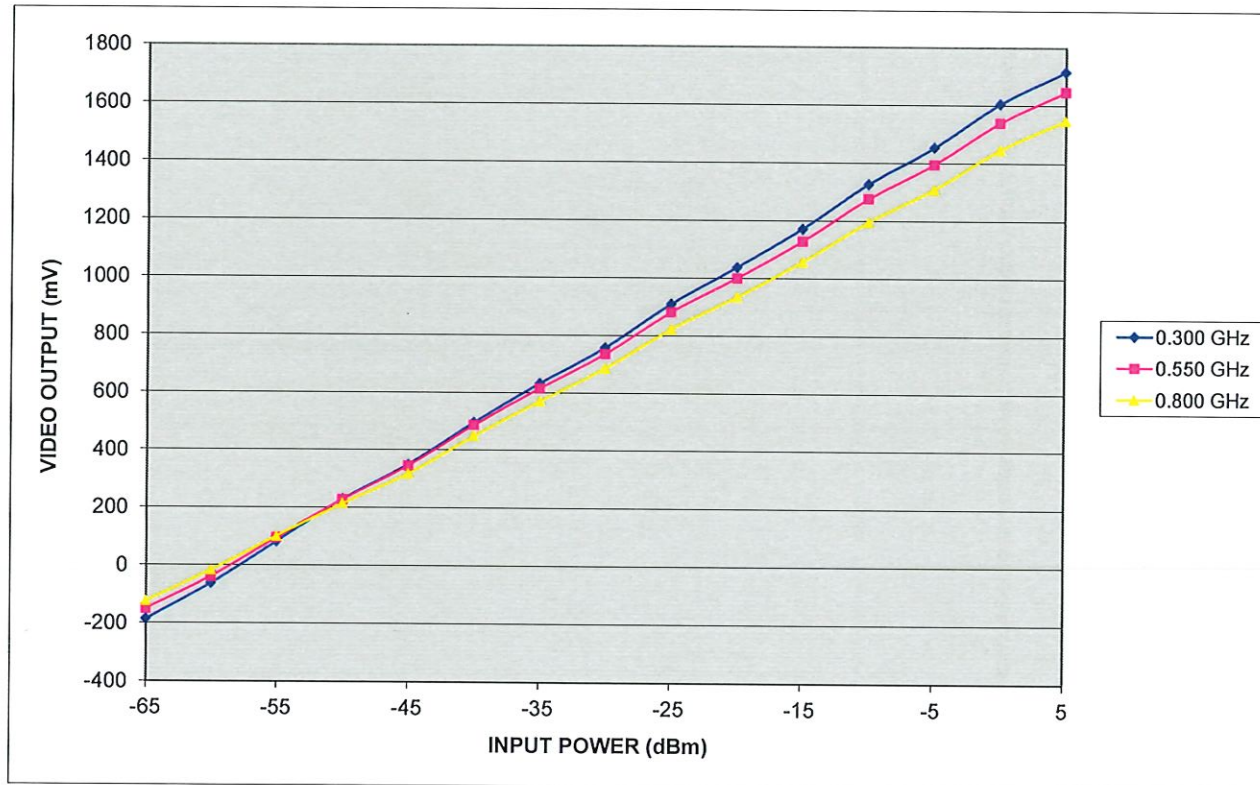
VIDEO RISE TIME 25 nS MAX @ 25C
 18 nS

VIDEO FALL TIME 80 nS MAX @ 25C
 46 nS

PROPAGATION DELAY 40 nS MAX @ 25C
 16 nS

+5 V @ 70 mA MAX 30 mA

-5.2 V @ 200 mA MAX 118 mA



LIMITED IF OUTPUT MAX -16.10 dBm
 LIMITED IF OUTPUT MIN -16.65 dBm
 LIMITED IF FLATNESS ± 0.28 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
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Frequency

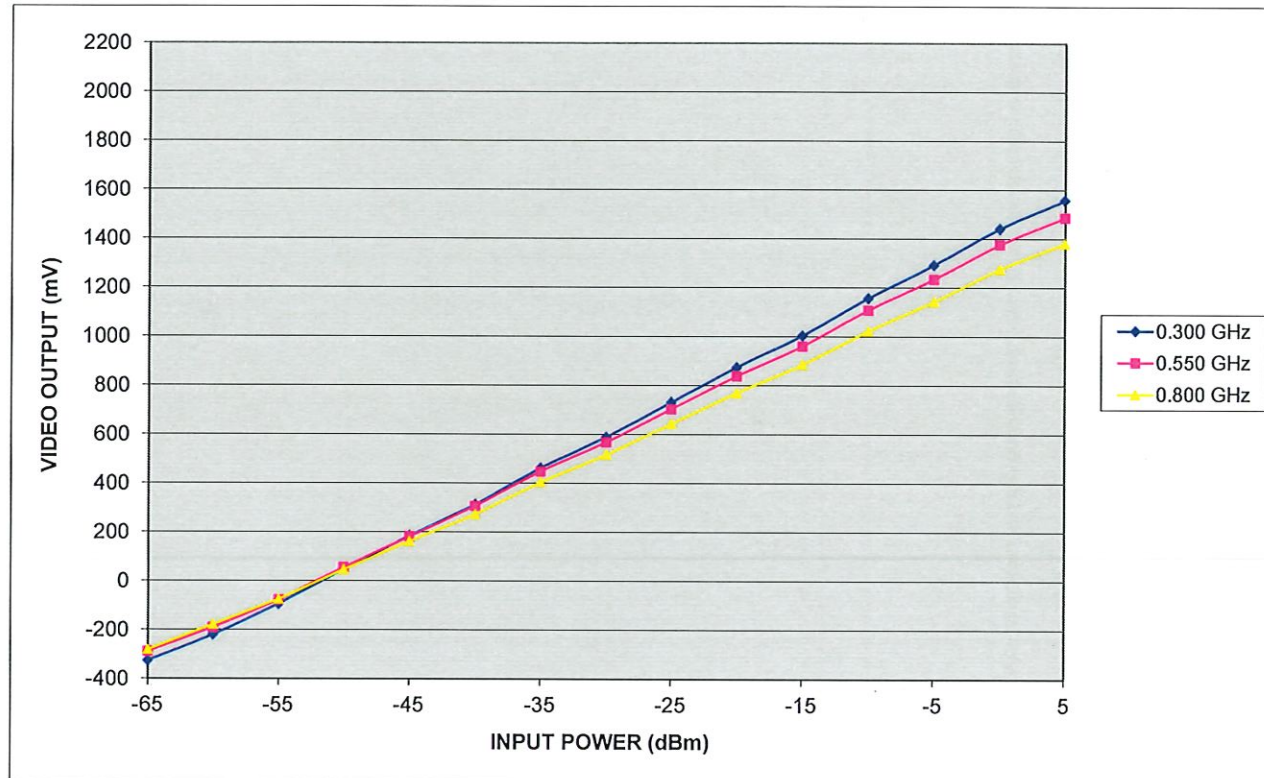
0.30 INTERCEPT (mV) 1423
 SLOPE (mV/dB) 27.41
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1358
 SLOPE (mV/dB) 25.91
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1256
 SLOPE (mV/dB) 24.12
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.80
 LINEARITY(-65 TO +5dBm) ± 1.40
 FREQUENCY FLATNESS ± 3.52

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-326	-220	-95	48	184	313	463	590	732	874	1004	1157	1292	1441	1557	Measured Value (mV)
0.30 Error (mV)	32	1	-10	-5	-5	-14	-1	-11	-6	-1	-8	8	6	18	-3	Error (mV)
0.30 Limited IF Output (dBm)	-16.93	-16.30	-16.04	-16.91	-16.84	-16.78	-16.75	-16.73	-16.73	-16.73	-16.74	-16.74	-16.75	-16.75	-16.76	Measured Value (mV)
0.55 Measured Value (mV)	-290	-191	-78	56	182	307	449	568	704	839	961	1108	1235	1376	1487	Measured Value (mV)
0.55 Error (mV)	36	6	-11	-7	-10	-15	-3	-13	-6	-1	-9	9	6	18	0	Error (mV)
0.55 Limited IF Output (dBm)	-16.69	-16.27	-16.05	-16.92	-16.84	-16.79	-16.78	-16.79	-16.81	-16.82	-16.82	-16.82	-16.83	-16.84	-16.86	Measured Value (mV)
0.80 Measured Value (mV)	-283	-179	-76	46	161	273	404	516	644	770	885	1022	1143	1275	1381	Measured Value (mV)
0.80 Error (mV)	29	12	-5	-3	-9	-18	-7	-16	-9	-4	-9	8	7	19	4	Error (mV)
0.80 Limited IF Output (dBm)	-16.60	-16.19	-16.01	-15.91	-15.88	-15.88	-15.88	-15.89	-15.90	-15.90	-15.90	-15.90	-15.91	-15.93	-15.96	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.73 dBm
 LIMITED IF OUTPUT MIN -16.93 dBm
 LIMITED IF FLATNESS ± 0.60 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4345
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Frequency

0.30 INTERCEPT (mV) 1405
 SLOPE (mV/dB) 27.47
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1341
 SLOPE (mV/dB) 25.96
 LIMITED IF OUTPUT (dBm)

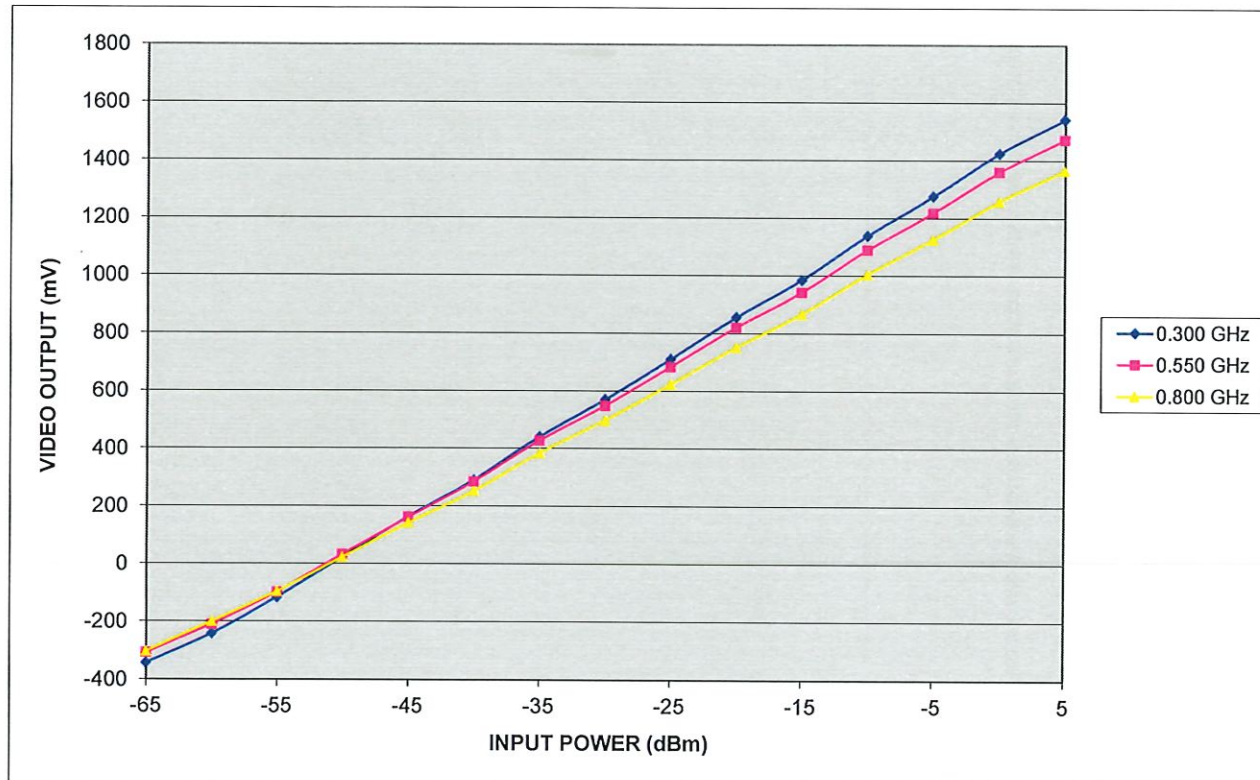
0.80 INTERCEPT (mV) 1238
 SLOPE (mV/dB) 24.19
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.79
 LINEARITY(-65 TO +5dBm) ± 1.50
 FREQUENCY FLATNESS ± 3.55

TSS 95C
 -65dBm MAX -66 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.32V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-343	-241	-116	24	164	291	441	570	711	856	985	1138	1275	1424	1542	Measured Value (mV)
0.30 Error (mV)	37	2	-10	-8	-5	-16	-3	-11	-8	0	-9	8	7	18	-1	Error (mV)
0.30 Limited If Output (dBm)	-17.18	-16.49	-16.19	-16.06	-15.97	-15.92	-15.88	-15.87	-15.86	-15.86	-15.87	-15.88	-15.88	-15.88	-15.89	Limited If Output (dBm)
0.55 Measured Value (mV)	-308	-210	-99	33	162	286	428	549	684	820	943	1090	1218	1359	1471	Measured Value (mV)
0.55 Error (mV)	39	7	-12	-9	-10	-17	-4	-13	-7	-1	-9	9	7	19	1	Error (mV)
0.55 Limited If Output (dBm)	-16.91	-16.45	-16.21	-16.06	-15.98	-15.93	-15.92	-15.93	-15.94	-15.95	-15.95	-15.95	-15.96	-15.97	-16.00	Limited If Output (dBm)
0.80 Measured Value (mV)	-304	-201	-97	24	142	252	384	498	623	751	867	1003	1125	1257	1364	Measured Value (mV)
0.80 Error (mV)	30	13	-5	-5	-8	-18	-8	-15	-10	-3	-9	7	8	19	5	Error (mV)
0.80 Limited If Output (dBm)	-16.84	-16.37	-16.17	-16.06	-16.02	-16.02	-16.02	-16.03	-16.03	-16.04	-16.04	-16.04	-16.05	-16.06	-16.10	Limited If Output (dBm)



LIMITED IF OUTPUT MAX -15.86 dBm
 LIMITED IF OUTPUT MIN -17.18 dBm
 LIMITED IF FLATNESS ± 0.66 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4345
 TESTED BY: H. HAHN
 DATE: 11/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1879
 SLOPE (mV/dB) 28.66
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1812
 SLOPE (mV/dB) 27.24
 LIMITED IF OUTPUT (dBm)

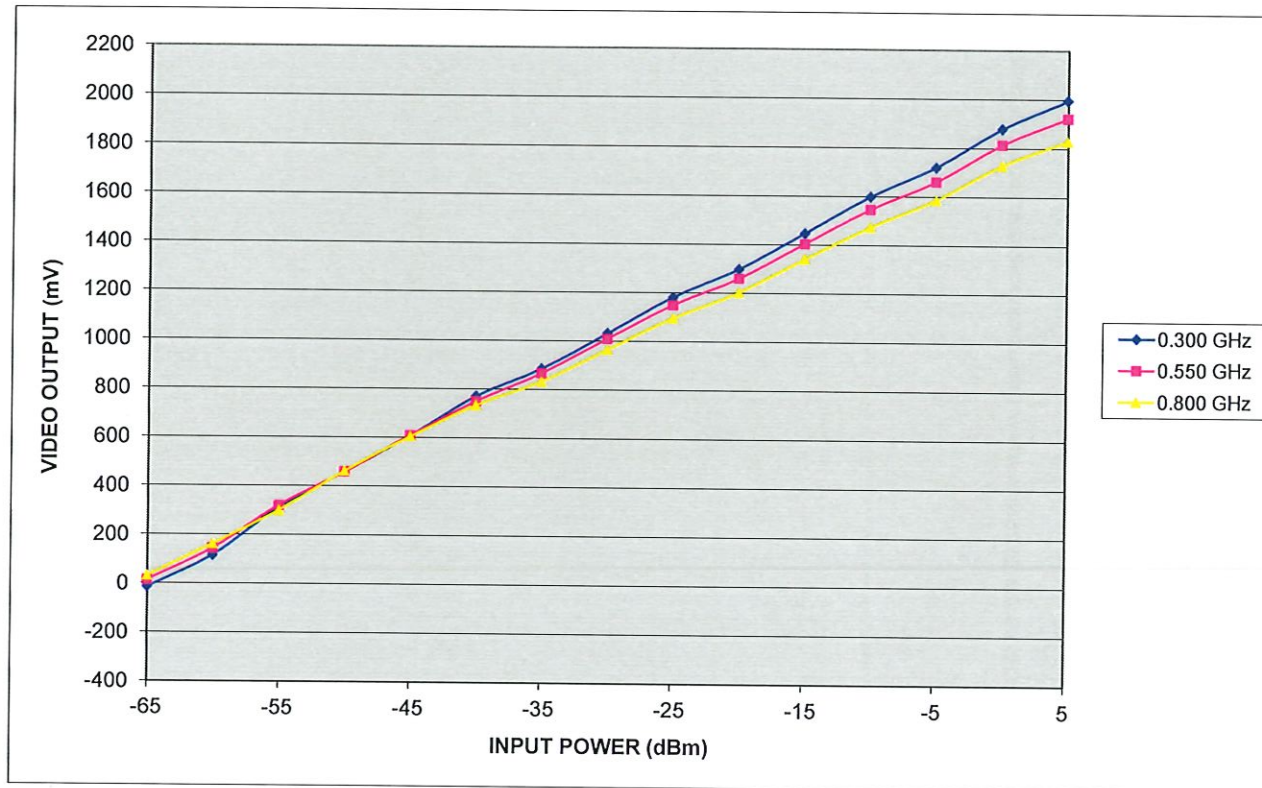
0.80 INTERCEPT (mV) 1724
 SLOPE (mV/dB) 25.61
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 1.49
 LINEARITY(-65 TO +5dBm) ± 1.49
 FREQUENCY FLATNESS ± 3.33

TSS -54C
 -65dBm MAX -65 dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.60V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-14	117	312	458	607	771	884	1031	1182	1298	1447	1598	1720	1878	1995	Measured Value (mV)
0.30 Error (mV)	-30	-43	9	12	18	38	9	12	20	-7	-2	6	-15	0	-27	Error (mV)
0.30 Limited IF Output (dBm)	-15.84	-15.72	-15.79	-15.89	-15.87	-15.93	-15.93	-15.93	-15.95	-15.97	-15.99	-16.00	-16.01	-16.01	-16.01	Measured Value (mV)
0.55 Measured Value (mV)	14	143	320	458	608	750	866	1009	1149	1259	1404	1546	1661	1814	1923	Measured Value (mV)
0.55 Error (mV)	-28	-34	6	7	22	27	7	14	18	-8	1	7	-15	2	-26	Error (mV)
0.55 Limited IF Output (dBm)	-15.77	-15.70	-15.70	-15.79	-15.91	-15.88	-15.86	-15.90	-15.93	-15.95	-15.95	-15.94	-15.93	-15.94	-15.96	Measured Value (mV)
0.80 Measured Value (mV)	30	162	299	462	604	733	831	964	1094	1201	1339	1472	1584	1728	1828	Measured Value (mV)
0.80 Error (mV)	-29	-25	-16	18	33	33	4	8	10	-11	-1	5	-11	5	-24	Error (mV)
0.80 Limited IF Output (dBm)	-15.79	-15.74	-15.79	-15.96	-15.95	-15.97	-15.94	-15.92	-15.94	-15.95	-15.93	-15.92	-15.92	-15.96	-16.05	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.70 dBm
 LIMITED IF OUTPUT MIN -16.05 dBm
 LIMITED IF FLATNESS ± 0.18 dBm