

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4336
 TESTED BY: H. HAHN
 DATE: 8/AUG/2008



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 ISO 9001:2000 CERTIFIED

Frequency

-65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 RF Input Power (dBm)

0.30 INTERCEPT (mV) 1596
 SLOPE (mV/dB) 27.62
 LIMITED IF OUTPUT (dBm)

-190	-66	78	222	343	493	629	755	910	1037	1174	1330	1459	1612	1725	Measured Value (mV)
10	-5	1	7	-10	2	-1	-12	4	-6	-8	10	1	16	-9	Error (mV)
-16.32	-16.07	-16.01	-15.95	-15.91	-15.87	-15.86	-15.85	-15.84	-15.85	-15.86	-15.86	-15.86	-15.86	-15.86	Measured Value (mV)

0.55 INTERCEPT (mV) 1532
 SLOPE (mV/dB) 26.21
 LIMITED IF OUTPUT (dBm)

-154	-42	91	223	340	484	611	734	882	1001	1131	1281	1402	1550	1657	Measured Value (mV)
17	-2	1	1	-13	0	-4	-12	5	-7	-8	11	1	17	-6	Error (mV)
-16.24	-16.08	-16.00	-15.92	-15.85	-15.86	-15.90	-15.90	-15.90	-15.92	-15.92	-15.92	-15.92	-15.93	-15.95	Measured Value (mV)

0.80 INTERCEPT (mV) 1441
 SLOPE (mV/dB) 24.77
 LIMITED IF OUTPUT (dBm)

-154	-39	86	203	309	446	569	685	825	938	1063	1204	1319	1460	1562	Measured Value (mV)
15	6	6	0	-18	-5	-6	-13	3	-8	-7	10	1	18	-3	Error (mV)
-16.22	-16.04	-15.99	-15.97	-15.92	-15.86	-15.91	-15.93	-15.95	-15.97	-15.97	-15.96	-15.97	-15.99	-16.04	Measured Value (mV)

LINEARITY(-60 TO 0dBm) ± 0.74
 LINEARITY(-65 TO +5dBm) ± 0.74
 FREQUENCY FLATNESS ± 3.26

TSS 25C
 -65dBm MAX -68 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.46V

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

IF OUTPUT VSWR 1.56:1
 2:1 MAX @ 25C

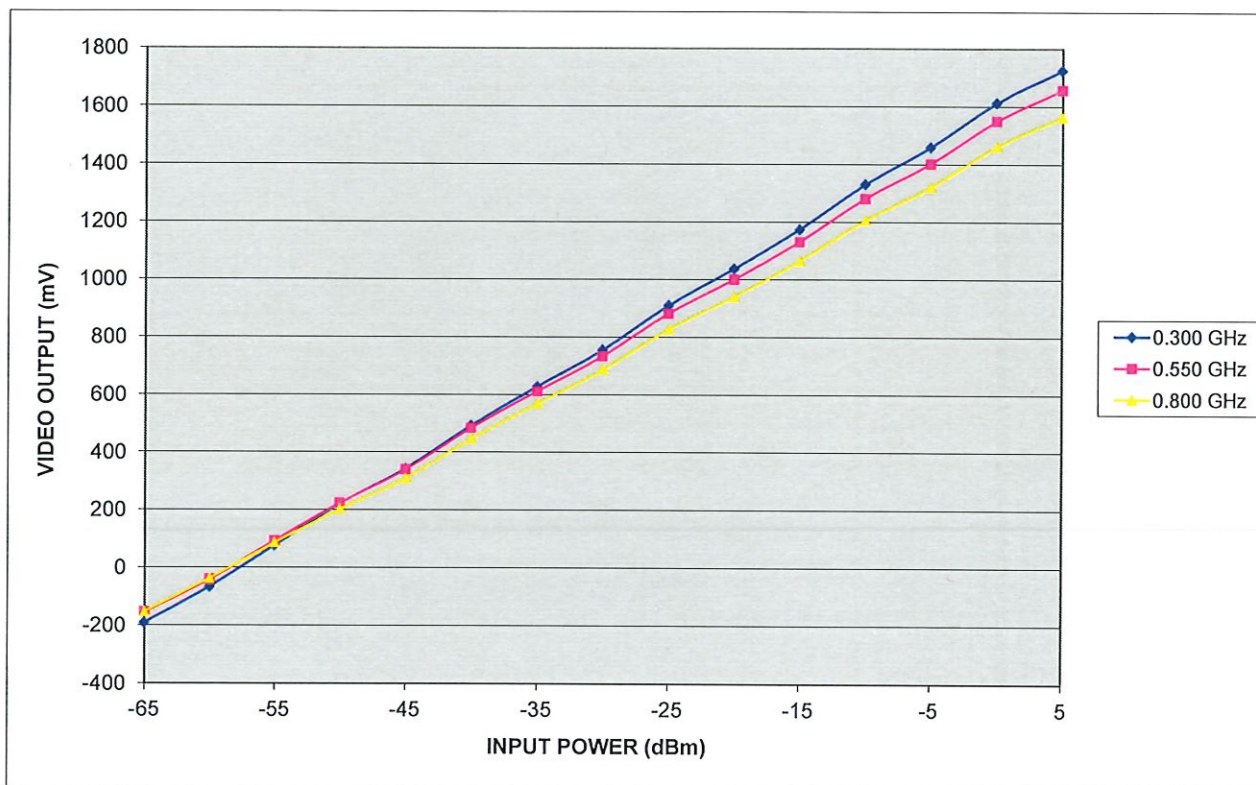
VIDEO RISE TIME 20 nS
 25 nS MAX @ 25C

VIDEO FALL TIME 46 nS
 80 nS MAX @ 25C

PROPAGATION DELAY 12 nS
 40 nS MAX @ 25C

+5 V @ 70 mA MAX 30 mA

-5.2 V @ 200 mA MAX 118 mA



LIMITED IF OUTPUT MAX -15.84 dBm
 LIMITED IF OUTPUT MIN -16.32 dBm
 LIMITED IF FLATNESS ± 0.24 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4336
 TESTED BY: H. HAHN
 DATE: 6/AUG/2008



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Frequency

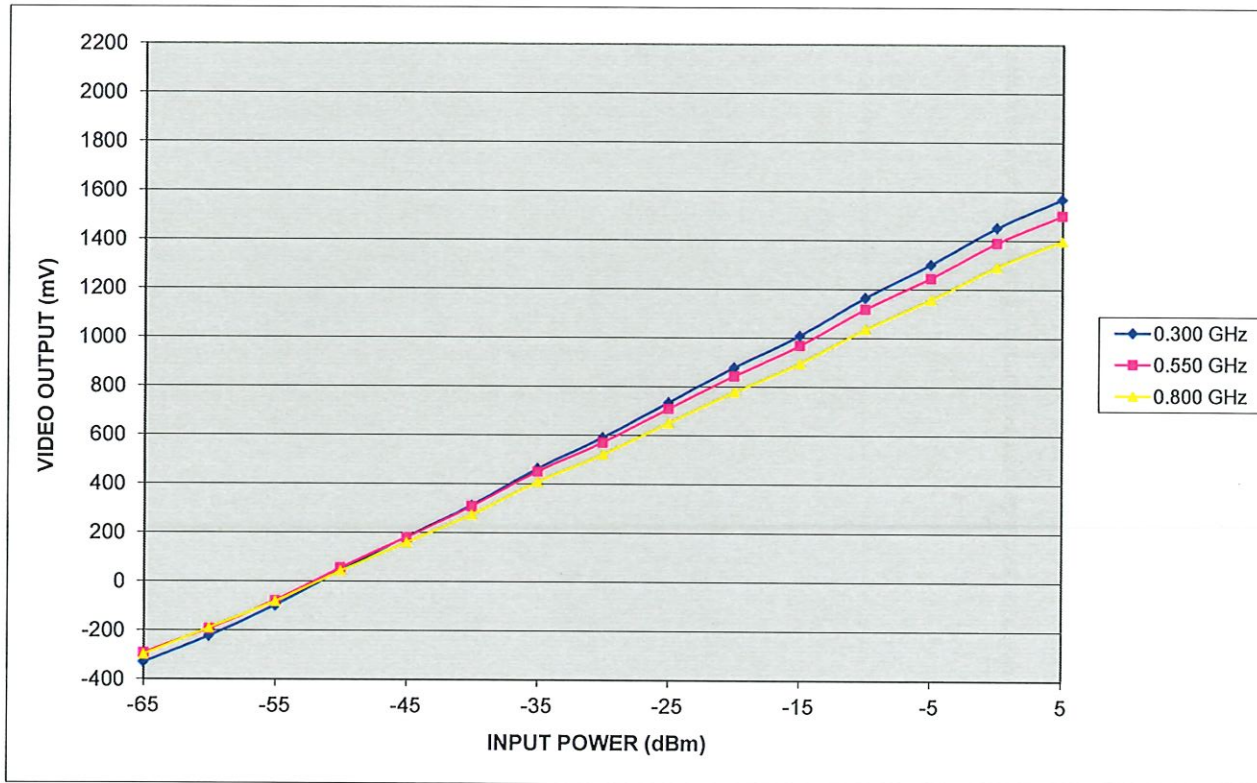
0.30 INTERCEPT (mV) 1432
 SLOPE (mV/dB) 27.64
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1369
 SLOPE (mV/dB) 26.16
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1272
 SLOPE (mV/dB) 24.56
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.76
 LINEARITY(-65 TO +5dBm) ± 1.42
 FREQUENCY FLATNESS ± 3.43

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-330	-223	-98	46	181	312	463	590	735	878	1008	1164	1301	1451	1569	
0.30 Error (mV)	34	3	-10	-4	-7	-15	-2	-13	-6	-2	-9	8	6	19	-2	
0.30 Limited IF Output (dBm)	-16.97	-16.38	-16.14	-16.02	-15.95	-15.90	-15.87	-15.86	-15.85	-15.85	-15.85	-15.86	-15.86	-15.86	-15.86	
0.55 Measured Value (mV)	-294	-194	-80	56	180	307	450	570	709	843	967	1117	1245	1389	1501	
0.55 Error (mV)	37	6	-11	-6	-12	-16	-3	-14	-6	-3	-9	9	6	20	1	
0.55 Limited IF Output (dBm)	-16.74	-16.35	-16.15	-16.03	-15.95	-15.90	-15.90	-15.91	-15.92	-15.93	-15.94	-15.94	-15.94	-15.96	-15.98	
0.80 Measured Value (mV)	-300	-192	-83	43	169	274	407	520	650	777	894	1034	1155	1290	1397	
0.80 Error (mV)	25	10	-4	-1	-8	-16	-5	-15	-8	-4	-9	8	6	19	3	
0.80 Limited IF Output (dBm)	-16.73	-16.29	-16.12	-16.03	-15.99	-15.98	-15.99	-16.00	-16.00	-16.01	-16.01	-16.01	-16.02	-16.05	-16.09	



LIMITED IF OUTPUT MAX -15.85 dBm
 LIMITED IF OUTPUT MIN -16.97 dBm
 LIMITED IF FLATNESS ± 0.56 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. : PL4336
 TESTED BY: H. HAHN
 DATE: 4/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1412
 SLOPE (mV/dB) 27.71
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1349
 SLOPE (mV/dB) 26.23
 LIMITED IF OUTPUT (dBm)

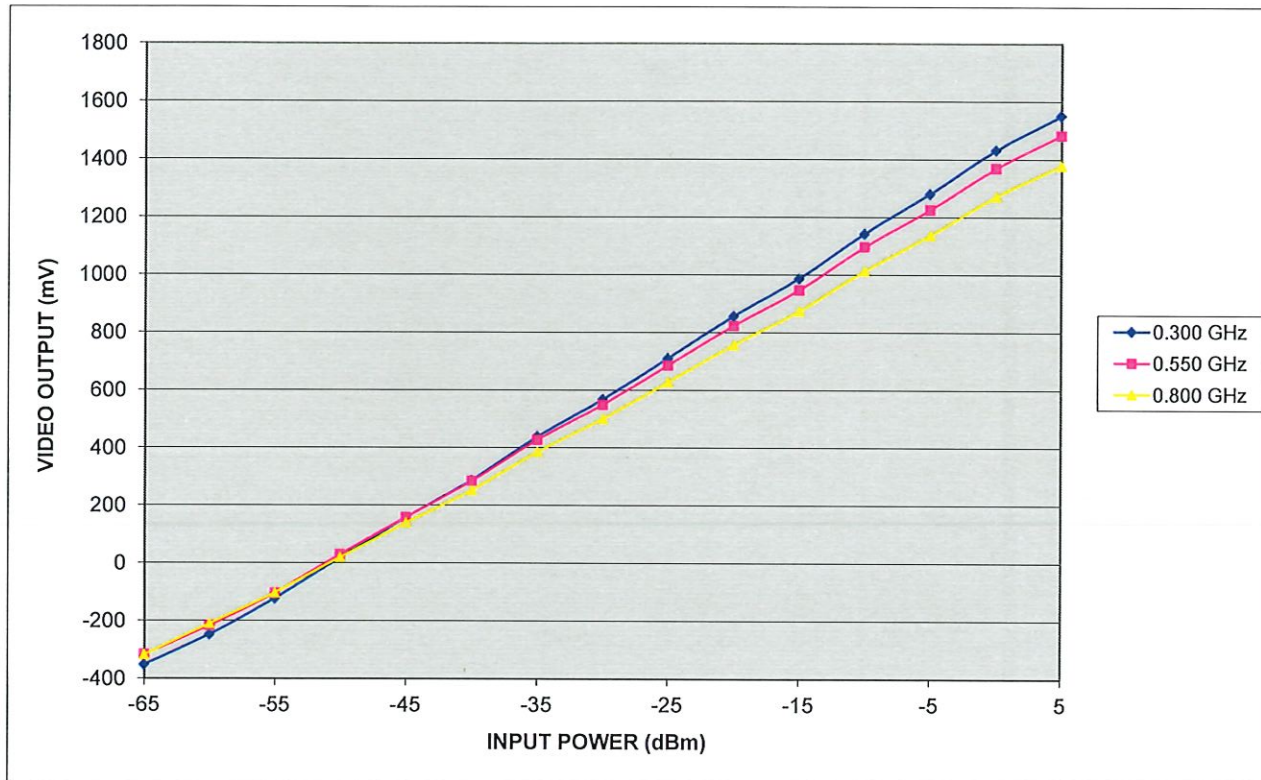
0.80 INTERCEPT (mV) 1251
 SLOPE (mV/dB) 24.55
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.78
 LINEARITY(-65 TO +5dBm) ± 1.49
 FREQUENCY FLATNESS ± 3.45

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-352	-248	-123	19	158	287	439	568	711	856	987	1142	1280	1431	1550	Measured Value (mV)
0.30 Error (mV)	38	3	-10	-7	-7	-16	-3	-12	-8	-1	-9	8	7	19	0	Error (mV)
0.30 Measured Value (mV)	-17.13	-16.48	-16.21	-16.07	-15.99	-15.94	-15.91	-15.89	-15.89	-15.88	-15.89	-15.89	-15.90	-15.89	-15.89	Measured Value (mV)
0.55 Measured Value (mV)	-317	-217	-105	30	158	284	428	549	686	823	947	1096	1225	1369	1482	Measured Value (mV)
0.55 Error (mV)	39	7	-11	-8	-11	-16	-4	-13	-7	-2	-9	9	7	19	1	Error (mV)
0.55 Measured Value (mV)	-16.88	-16.44	-16.21	-16.07	-15.99	-15.94	-15.94	-15.95	-15.96	-15.96	-15.96	-15.97	-15.97	-15.98	-16.01	Measured Value (mV)
0.80 Measured Value (mV)	-318	-211	-104	20	139	251	385	499	627	756	873	1012	1135	1270	1378	Measured Value (mV)
0.80 Error (mV)	27	11	-4	-3	-7	-17	-6	-15	-10	-4	-9	7	7	19	4	Error (mV)
0.80 Measured Value (mV)	-16.84	-16.35	-16.16	-16.06	-16.02	-16.02	-16.02	-16.03	-16.03	-16.04	-16.04	-16.04	-16.05	-16.07	-16.11	Measured Value (mV)

TSS 95C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.35V



LIMITED IF OUTPUT MAX -15.88 dBm
 LIMITED IF OUTPUT MIN -17.13 dBm
 LIMITED IF FLATNESS ± 0.62 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4336
 TESTED BY: H. HAHN
 DATE: 9/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1885
 SLOPE (mV/dB) 28.9
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1823
 SLOPE (mV/dB) 27.68
 LIMITED IF OUTPUT (dBm)

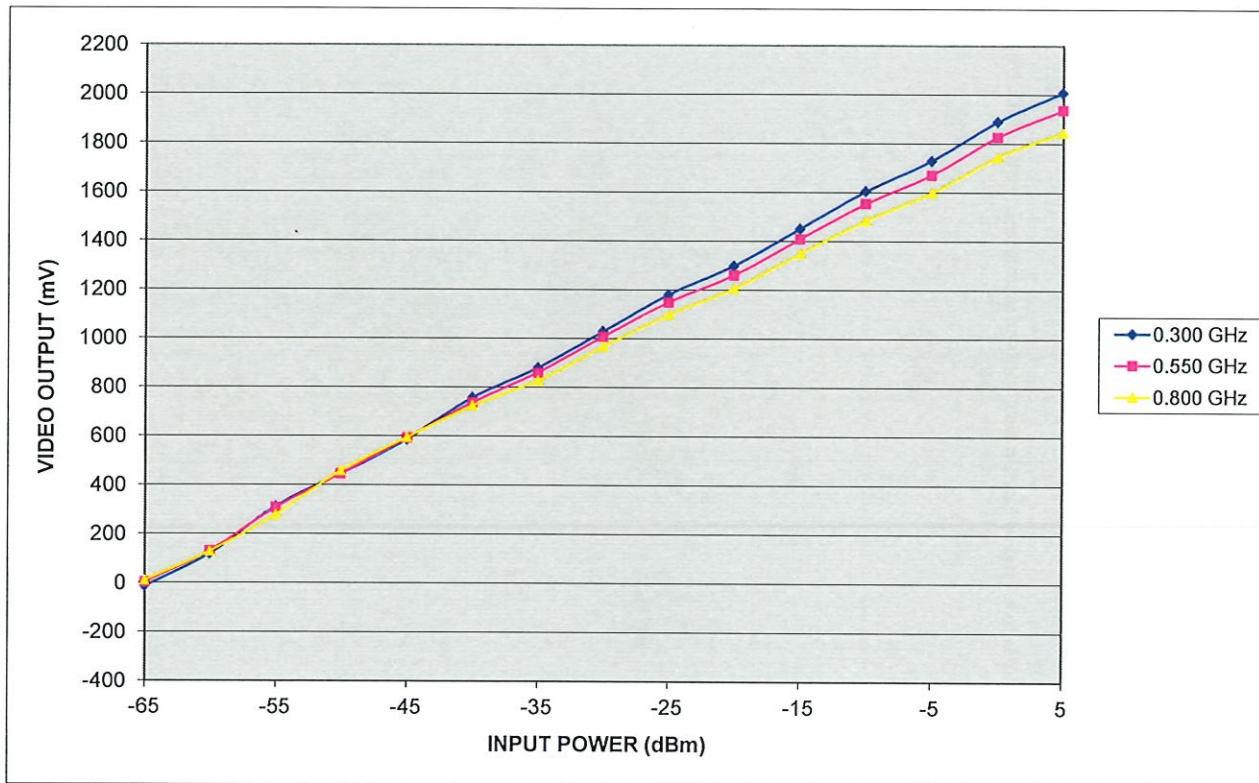
0.80 INTERCEPT (mV) 1741
 SLOPE (mV/dB) 26.25
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 1.46
 LINEARITY(-65 TO +5dBm) ± 1.46
 FREQUENCY FLATNESS ± 3.25

TSS -54C
 -65dBm MAX -65 dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.65V

	-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	119	311	446	587	758	880	1029	1181	1299	1450	1604	1729	1889	2008	Measured Value (mV)
0.30 Error (mV)	-21	-32	16	6	2	29	6	10	18	-9	-2	8	-12	4	-22	Error (mV)
0.30 Measured Value (mV)	-15.67	-15.59	-15.62	-15.68	-15.70	-15.81	-15.83	-15.81	-15.81	-15.83	-15.85	-15.85	-15.86	-15.86	-15.86	Measured Value (mV)
0.55 Measured Value (mV)	3	129	307	446	592	738	860	1008	1149	1260	1409	1553	1670	1826	1936	Measured Value (mV)
0.55 Error (mV)	-21	-33	7	7	15	22	6	16	18	-9	1	7	-14	4	-25	Error (mV)
0.55 Measured Value (mV)	-15.62	-15.56	-15.55	-15.64	-15.74	-15.70	-15.70	-15.75	-15.79	-15.81	-15.81	-15.80	-15.80	-15.80	-15.82	Measured Value (mV)
0.80 Measured Value (mV)	9	128	277	458	593	724	828	967	1097	1206	1348	1483	1597	1744	1845	Measured Value (mV)
0.80 Error (mV)	-26	-38	-20	29	33	33	5	13	12	-11	0	5	-12	3	-27	Error (mV)
0.80 Measured Value (mV)	-15.61	-15.57	-15.60	-15.77	-15.77	-15.81	-15.73	-15.71	-15.75	-15.77	-15.75	-15.75	-15.76	-15.79	-15.87	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.55 dBm
 LIMITED IF OUTPUT MIN -15.87 dBm
 LIMITED IF FLATNESS ± 0.16 dBm