

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4361
 TESTED BY: H. HAHN
 DATE: 13/AUG/2008



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 ISO 9001:2000 CERTIFIED

Frequency

0.30 INTERCEPT (mV) 1575
 SLOPE (mV/dB) 27.69
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1512
 SLOPE (mV/dB) 26.31
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1414
 SLOPE (mV/dB) 24.55
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.78
 LINEARITY(-65 TO +5dBm) ± 0.98
 FREQUENCY FLATNESS ± 3.34

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-211	-91	47	199	320	464	608	733	885	1017	1151	1308	1438	1590	1704	Measured Value (mV)
0.30 Error (mV)	14	-4	-5	8	-8	-4	2	-12	3	-4	-8	10	2	15	-9	Error (mV)
0.30 Measured Value (mV)	-16.68	-16.30	-16.18	-16.10	-16.06	-16.01	-16.99	-16.99	-15.98	-15.98	-15.99	-16.00	-16.00	-16.00	-16.01	Measured Value (mV)
0.55 Measured Value (mV)	-179	-70	60	199	317	457	592	712	859	981	1109	1260	1382	1527	1636	Measured Value (mV)
0.55 Error (mV)	19	-3	-5	2	-11	-3	1	-11	4	-5	-8	11	1	15	-7	Error (mV)
0.55 Measured Value (mV)	-16.66	-16.31	-16.17	-16.08	-15.99	-15.98	-16.01	-16.03	-16.03	-16.04	-16.05	-16.05	-16.04	-16.05	-16.07	Measured Value (mV)
0.80 Measured Value (mV)	-158	-52	65	188	292	421	548	661	799	916	1038	1179	1295	1433	1537	Measured Value (mV)
0.80 Error (mV)	24	7	1	2	-17	-11	-7	-16	-1	-7	-8	10	4	19	0	Error (mV)
0.80 Measured Value (mV)	-16.45	-16.23	-16.14	-16.11	-16.08	-16.04	-16.05	-16.07	-16.08	-16.10	-16.10	-16.09	-16.09	-16.10	-16.13	Measured Value (mV)

TSS 25C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.46V

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

IF OUTPUT VSWR
 2:1 MAX @ 25C 1.26:1

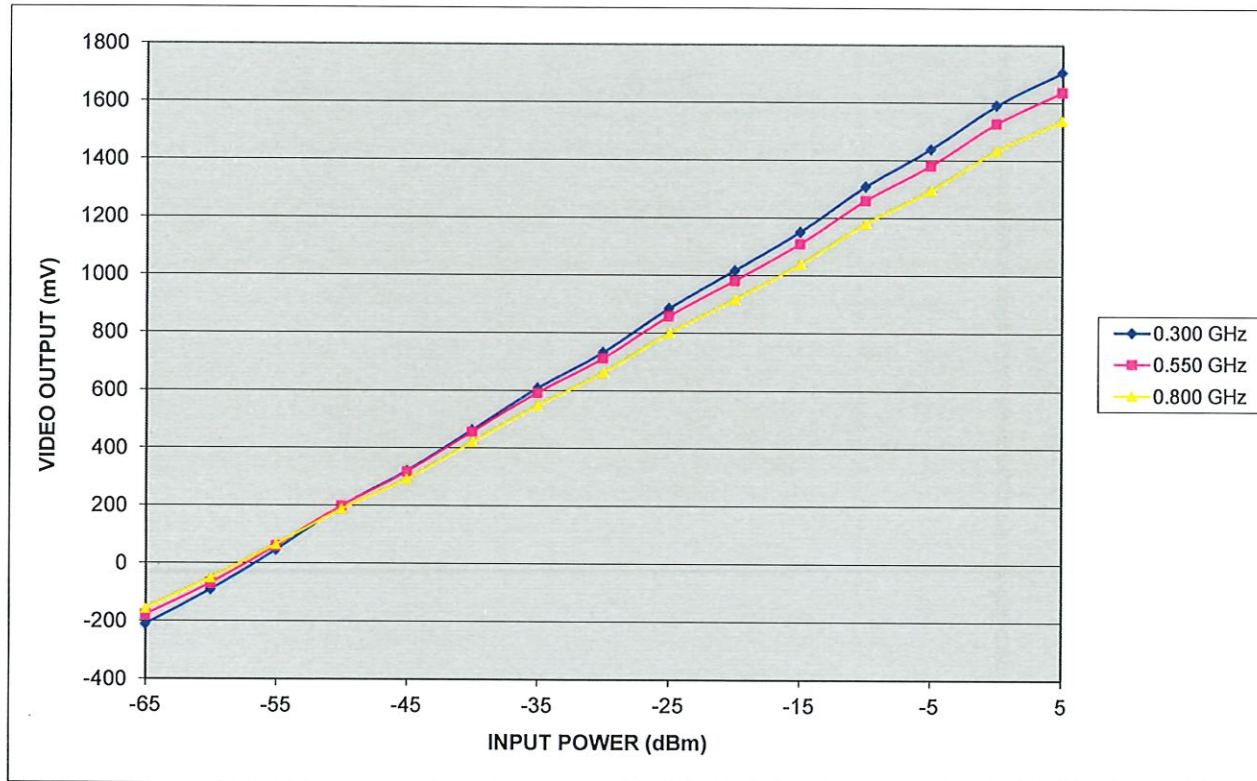
VIDEO RISE TIME
 25 nS MAX @ 25C 16 nS

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 -15.98 dBm
 LIMITED IF OUTPUT MIN -16.68 dBm
 LIMITED IF FLATNESS ± 0.35 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4361
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 DATE: 12/AUG/2008



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Frequency

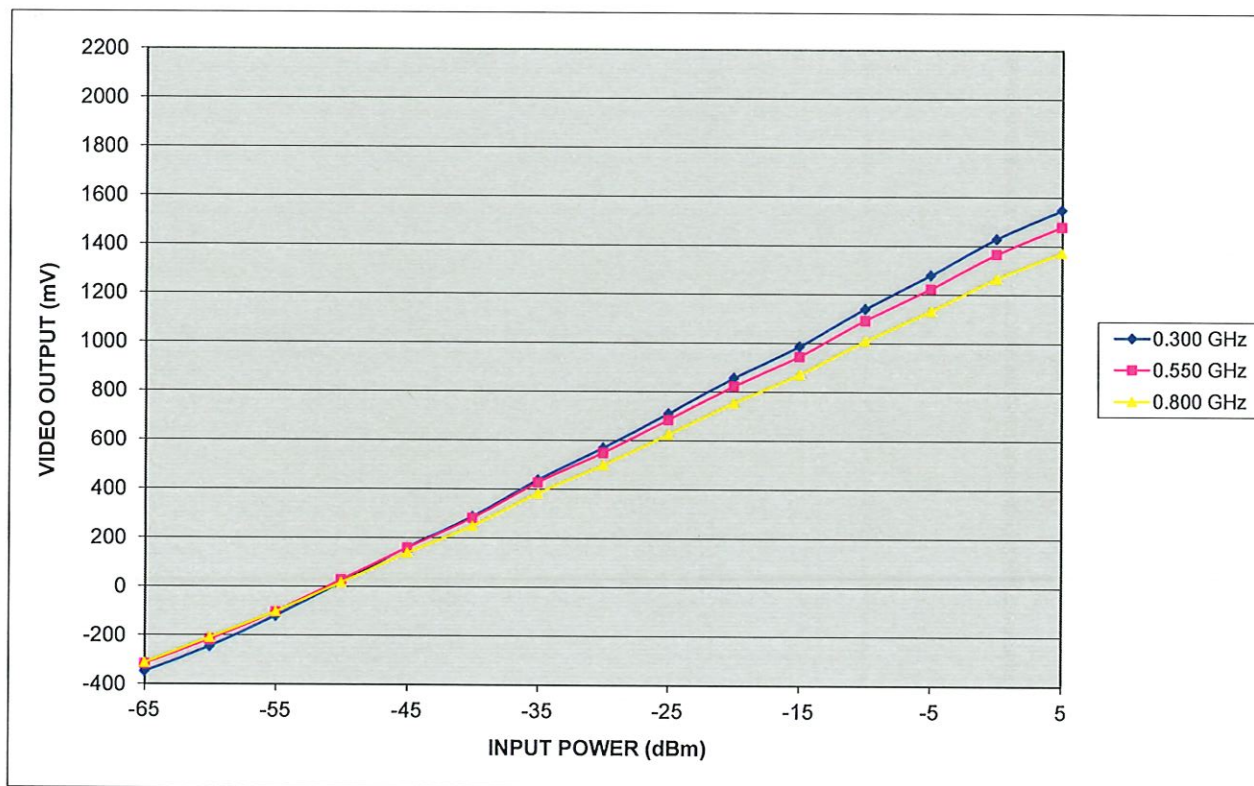
0.30 INTERCEPT (mV) 1409
 SLOPE (mV/dB) 27.64
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1347
 SLOPE (mV/dB) 26.2
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1246
 SLOPE (mV/dB) 24.47
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.76
 LINEARITY(-65 TO +5dBm) ± 1.45
 FREQUENCY FLATNESS ± 3.49

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-349	-246	-121	18	160	287	438	569	710	856	986	1141	1279	1428	1547	
0.30 Error (mV)	38	3	-10	-9	-6	-17	-4	-11	-8	0	-9	8	8	19	-1	
0.30 Limited If Output (dBm)	-16.88	-16.18	-15.88	-15.74	-15.66	-15.60	-15.67	-15.55	-15.54	-15.54	-15.55	-15.56	-15.56	-15.56	-15.56	
0.55 Measured Value (mV)	-318	-218	-105	28	159	282	427	549	685	822	945	1093	1223	1365	1478	
0.55 Error (mV)	38	7	-12	-9	-9	-17	-3	-12	-7	-1	-9	8	7	18	0	
0.55 Limited If Output (dBm)	-16.63	-16.14	-15.88	-15.74	-15.65	-15.60	-15.59	-15.60	-15.61	-15.61	-15.62	-15.62	-15.62	-15.63	-15.65	
0.80 Measured Value (mV)	-315	-210	-104	17	138	249	383	498	625	754	870	1009	1132	1265	1372	
0.80 Error (mV)	30	12	-5	-6	-7	-18	-7	-14	-10	-3	-9	7	8	19	4	
0.80 Limited If Output (dBm)	-16.65	-16.05	-15.83	-15.70	-15.66	-15.65	-15.66	-15.67	-15.67	-15.68	-15.68	-15.68	-15.68	-15.69	-15.72	



LIMITED IF OUTPUT MAX -15.54 dBm
 LIMITED IF OUTPUT MIN -16.88 dBm
 LIMITED IF FLATNESS ± 0.67 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4361
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 DATE: 13/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1393
 SLOPE (mV/dB) 27.7
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1330
 SLOPE (mV/dB) 26.24
 LIMITED IF OUTPUT (dBm)

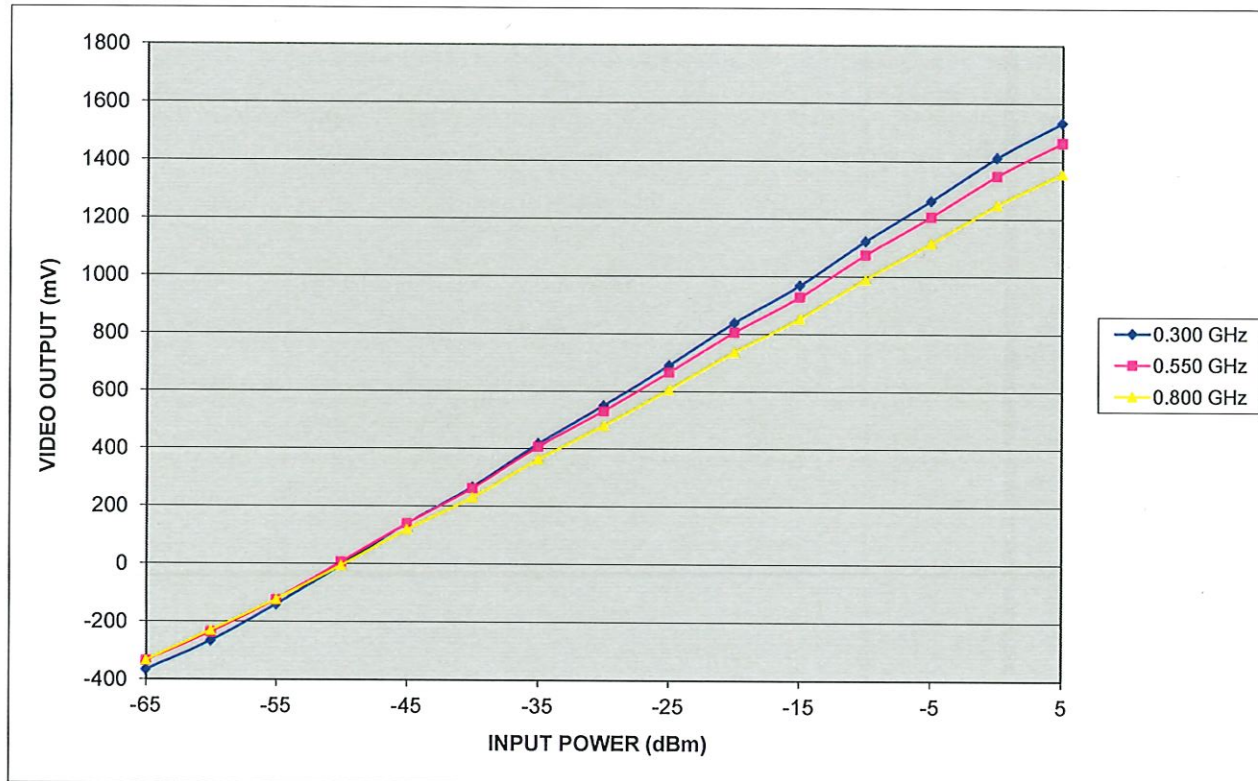
0.80 INTERCEPT (mV) 1229
 SLOPE (mV/dB) 24.53
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.75
 LINEARITY(-65 TO +5dBm) ± 1.54
 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)	-366	-266	-141	-4	140	267	418	551	690	838	969	1123	1262	1412	1532	Measured Value (mV)
0.30 Error (mV)	42	3	-10	-12	-6	-18	-5	-11	-10	0	-9	7	8	19	1	Error (mV)
0.30 Limited IF Output (dBm)	-17.23	-16.47	-16.13	-15.97	-15.88	-15.83	-15.79	-15.77	-15.77	-15.76	-15.77	-15.77	-15.78	-15.78	-15.78	Limited IF Output (dBm)
0.55 Measured Value (mV)	-335	-237	-125	6	140	262	407	531	665	805	928	1076	1207	1349	1463	Measured Value (mV)
0.55 Error (mV)	40	8	-11	-12	-9	-18	-5	-11	-9	0	-9	8	8	18	2	Error (mV)
0.55 Limited IF Output (dBm)	-16.94	-16.41	-16.13	-15.97	-15.88	-15.82	-15.81	-15.82	-15.83	-15.83	-15.84	-15.84	-15.84	-15.85	-15.87	Limited IF Output (dBm)
0.80 Measured Value (mV)	-335	-232	-124	-5	119	230	363	480	605	736	852	990	1114	1247	1356	Measured Value (mV)
0.80 Error (mV)	31	11	-4	-8	-6	-18	-8	-13	-11	-3	-9	7	8	18	4	Error (mV)
0.80 Limited IF Output (dBm)	-16.88	-16.32	-16.07	-15.94	-15.88	-15.88	-15.88	-15.89	-16.90	-16.90	-16.90	-16.90	-16.91	-16.92	-16.94	Limited IF Output (dBm)

TSS 95C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.54V



LIMITED IF OUTPUT MAX -15.76 dBm
 LIMITED IF OUTPUT MIN -17.23 dBm
 LIMITED IF FLATNESS ± 0.73 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4361
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 DATE: 13/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1874
 SLOPE (mV/dB) 28.95
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1809
 SLOPE (mV/dB) 27.57
 LIMITED IF OUTPUT (dBm)

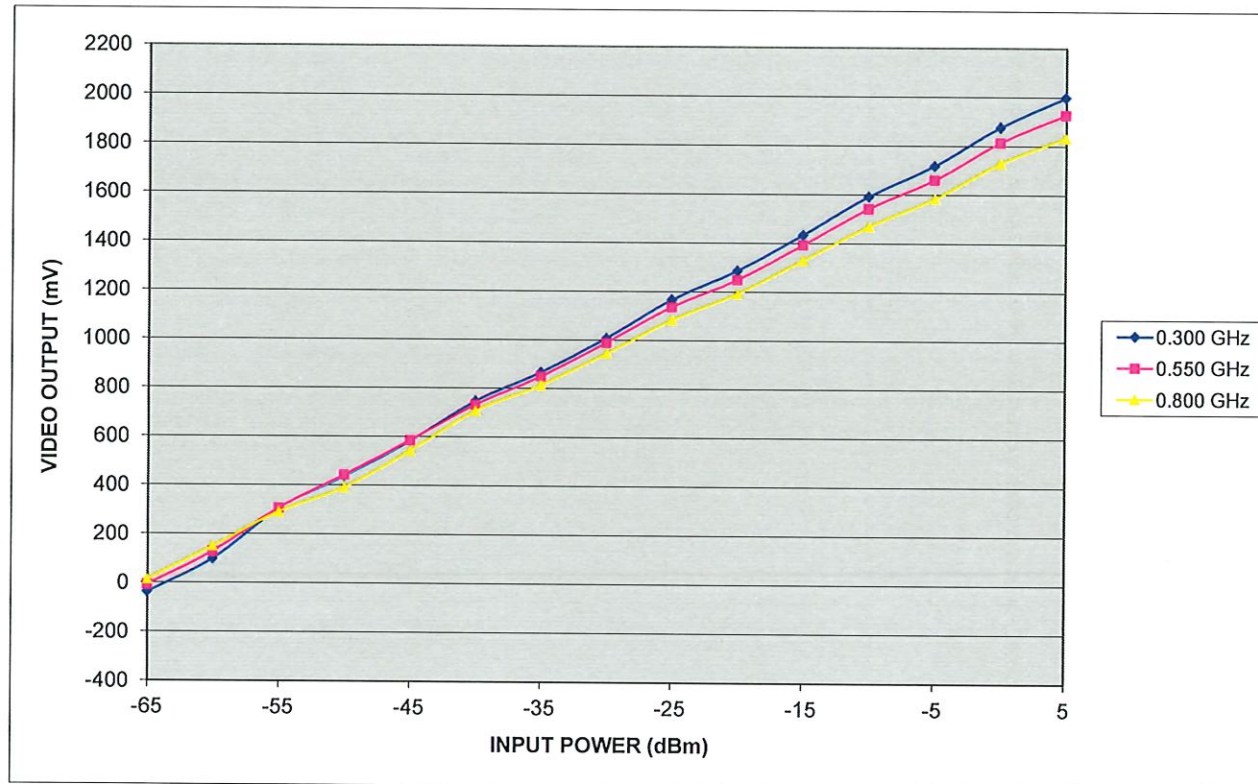
0.80 INTERCEPT (mV) 1721
 SLOPE (mV/dB) 26.14
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 1.33
 LINEARITY(-65 TO +5dBm) ± 1.33
 FREQUENCY FLATNESS ± 3.31

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-37	98	303	437	582	747	866	1008	1166	1286	1433	1592	1717	1876	1998	
0.30 Error (mV)	-28	-39	22	12	11	32	6	3	17	-9	-6	8	-11	3	-20	
0.30 Limited IF Output (dBm)	-15.62	-15.68	-15.77	-15.84	-15.82	-15.84	-15.86	-15.84	-15.84	-15.86	-15.88	-15.88	-15.89	-15.90	-15.90	
0.55 Measured Value (mV)	-8	126	304	441	584	731	849	988	1136	1248	1392	1542	1659	1813	1926	
0.55 Error (mV)	-26	-29	11	10	15	25	4	6	16	-9	-3	8	-12	4	-21	
0.55 Limited IF Output (dBm)	-15.55	-15.56	-15.62	-15.67	-15.79	-15.80	-15.74	-15.75	-15.79	-15.82	-15.82	-15.81	-15.81	-15.81	-15.82	
0.80 Measured Value (mV)	13	148	289	391	541	706	812	944	1082	1190	1328	1468	1582	1728	1833	
0.80 Error (mV)	-9	-5	6	-23	-4	30	6	7	14	-8	-1	8	-8	7	-19	
0.80 Limited IF Output (dBm)	-15.52	-15.52	-15.56	-15.61	-15.69	-15.72	-15.71	-15.69	-15.73	-15.76	-15.76	-15.75	-15.75	-15.76	-15.83	

TSS -54C
 -65dBm MAX -65 dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.7V



LIMITED IF OUTPUT MAX -15.52 dBm
 LIMITED IF OUTPUT MIN -15.90 dBm
 LIMITED IF FLATNESS ± 0.19 dBm