

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4349
 TESTED BY: H. HAHN
 DATE: 12/AUG/2008



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 ISO 9001:2000 CERTIFIED

Frequency

0.30 INTERCEPT (mV) 1614
 SLOPE (mV/dB) 28.25
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1551
 SLOPE (mV/dB) 26.85
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1449
 SLOPE (mV/dB) 25.03
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.75
 LINEARITY(-65 TO +5dBm) ± 0.93
 FREQUENCY FLATNESS ± 3.42

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-212	-87	57	211	335	484	628	756	912	1045	1182	1341	1473	1628	1746	Measured Value (mV)
0.30 Error (mV)	10	-6	-3	9	-8	0	3	-11	4	-4	-8	10	0	14	-9	Error (mV)
0.30 Limited IF Output (dBm)	-16.63	-16.34	-16.26	-16.19	-16.15	-16.10	-16.08	-16.07	-16.07	-16.07	-16.08	-16.09	-16.09	-16.10	-16.10	Measured Value (mV)
0.55 Measured Value (mV)	-178	-65	71	211	333	477	612	735	885	1009	1141	1293	1417	1566	1678	Measured Value (mV)
0.55 Error (mV)	16	-5	-3	3	-10	0	0	-11	5	-5	-8	11	0	15	-7	Error (mV)
0.55 Limited IF Output (dBm)	-16.55	-16.36	-16.25	-16.15	-16.08	-16.06	-16.10	-16.12	-16.12	-16.13	-16.14	-16.13	-16.13	-16.14	-16.17	Measured Value (mV)
0.80 Measured Value (mV)	-154	-46	75	198	305	439	566	683	823	941	1066	1209	1326	1468	1675	Measured Value (mV)
0.80 Error (mV)	23	7	2	0	-18	-9	-7	-16	0	-7	-7	10	3	19	1	Error (mV)
0.80 Limited IF Output (dBm)	-16.44	-16.27	-16.20	-16.17	-16.14	-16.10	-16.11	-16.14	-16.16	-16.17	-16.17	-16.16	-16.17	-16.18	-16.22	Measured Value (mV)

TSS 25C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.46V

INPUT VSWR 1.18:1
 2:1 MAX @ 25C

IF OUTPUT VSWR 1.27:1
 2:1 MAX @ 25C

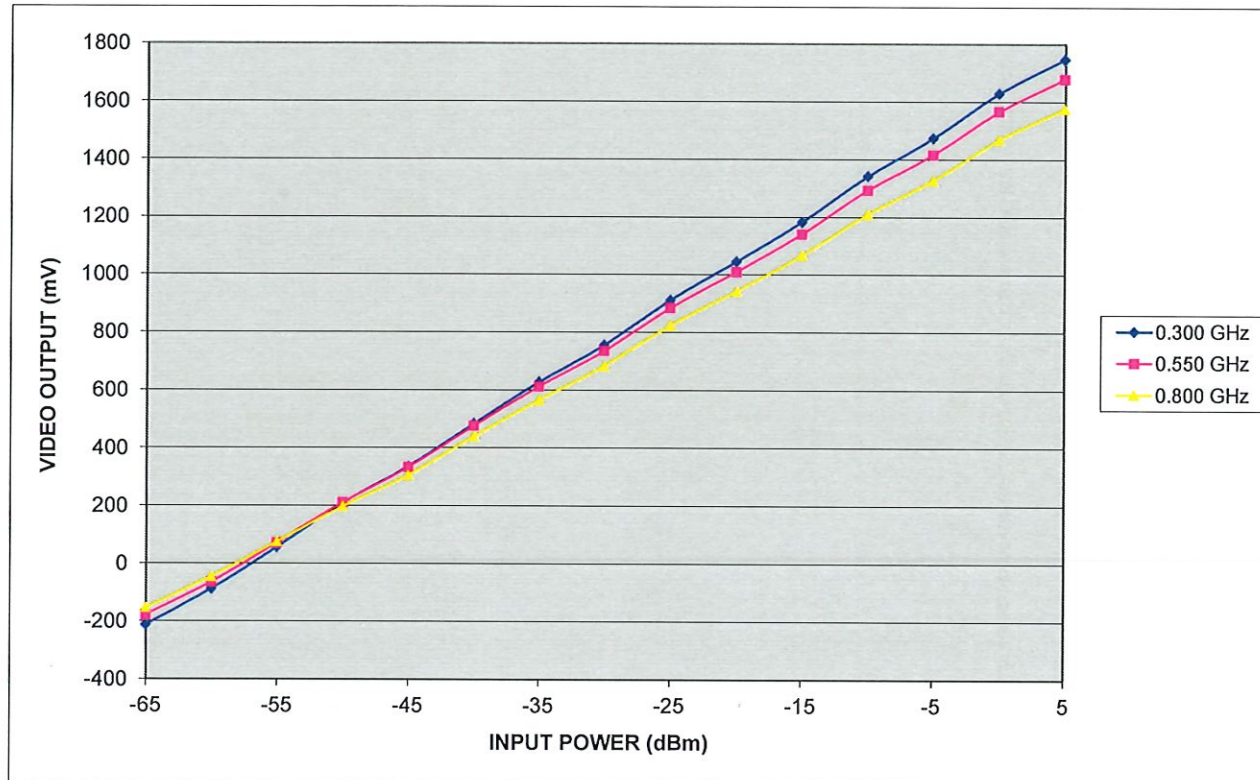
VIDEO RISE TIME 16 nS
 25 nS MAX @ 25C

VIDEO FALL TIME 38 nS
 80 nS MAX @ 25C

PROPAGATION DELAY 18 nS
 40 nS MAX @ 25C

+5 V @ 70 mA MAX 31 mA

-5.2 V @ 200 mA MAX 118 mA



LIMITED IF OUTPUT MAX -16.06 dBm
 LIMITED IF OUTPUT MIN -16.63 dBm
 LIMITED IF FLATNESS ± 0.28 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
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Frequency

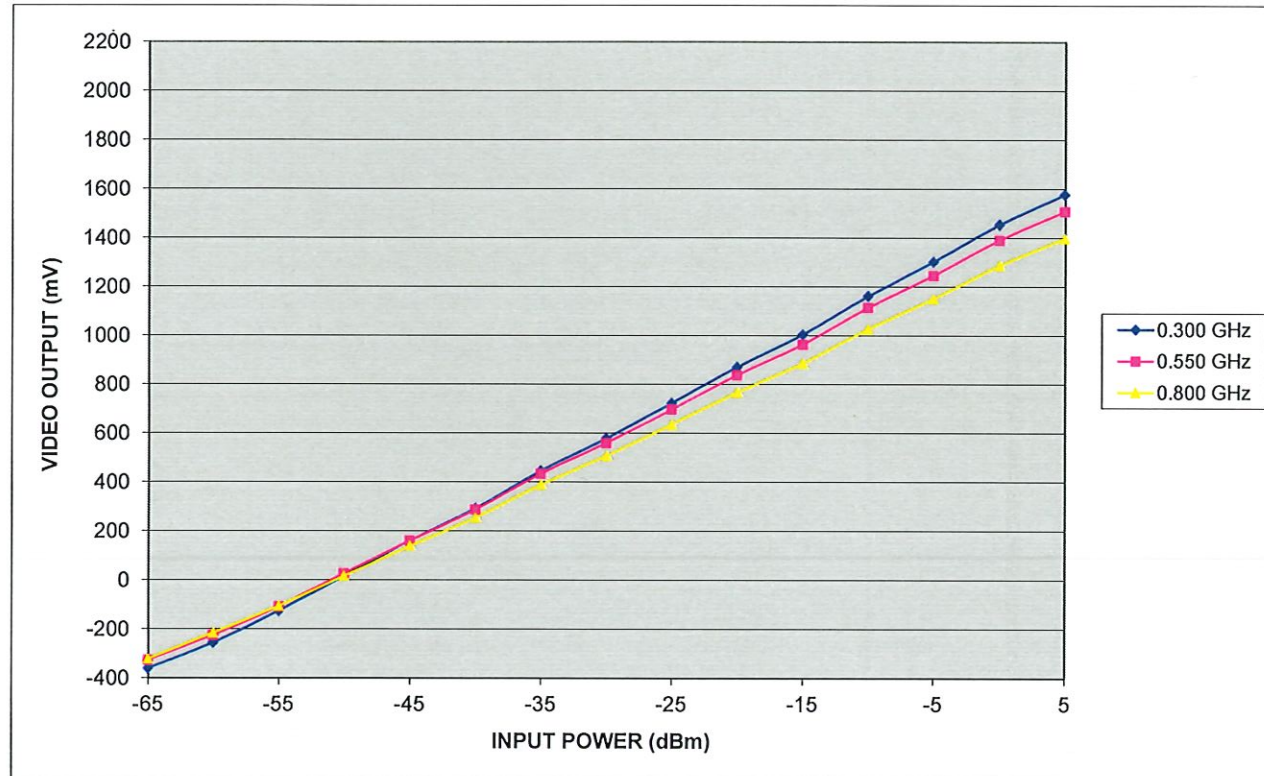
0.30 INTERCEPT (mV) 1436
 SLOPE (mV/dB) 28.21
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1373
 SLOPE (mV/dB) 26.75
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1267
 SLOPE (mV/dB) 24.91
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.75
 LINEARITY(-65 TO +5dBm) ± 1.41
 FREQUENCY FLATNESS ± 3.59

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-360	-255	-126	17	161	291	445	578	722	871	1004	1161	1301	1454	1576	Measured Value (mV)
0.30 Error (mV)	38	2	-10	-8	-6	-16	-3	-11	-8	-1	-8	8	7	18	0	Error (mV)
0.30 Limited If Output (dBm)	-17.21	-16.55	-16.27	-16.14	-16.05	-16.00	-15.96	-15.94	-15.93	-15.93	-15.94	-15.95	-15.95	-15.95	-15.95	Measured Value (mV)
0.55 Measured Value (mV)	-328	-225	-109	27	160	287	434	559	697	837	963	1114	1246	1391	1508	Measured Value (mV)
0.55 Error (mV)	38	6	-11	-9	-10	-16	-3	-12	-7	-1	-9	8	6	18	1	Error (mV)
0.55 Limited If Output (dBm)	-16.98	-16.52	-16.27	-16.13	-16.03	-15.99	-15.98	-15.99	-16.00	-16.01	-16.01	-16.02	-16.02	-16.02	-16.05	Measured Value (mV)
0.80 Measured Value (mV)	-323	-216	-107	16	139	253	388	506	634	766	885	1026	1150	1286	1397	Measured Value (mV)
0.80 Error (mV)	29	12	-5	-5	-7	-18	-7	-14	-10	-4	-9	7	7	19	5	Error (mV)
0.80 Limited If Output (dBm)	-16.88	-16.40	-16.20	-16.08	-16.04	-16.04	-16.05	-16.06	-16.06	-16.06	-16.06	-16.07	-16.07	-16.08	-16.11	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.93 dBm
 LIMITED IF OUTPUT MIN -17.21 dBm
 LIMITED IF FLATNESS ± 0.64 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4349
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Frequency

0.30 INTERCEPT (mV) 1436
 SLOPE (mV/dB) 28.21
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1373
 SLOPE (mV/dB) 26.75
 LIMITED IF OUTPUT (dBm)

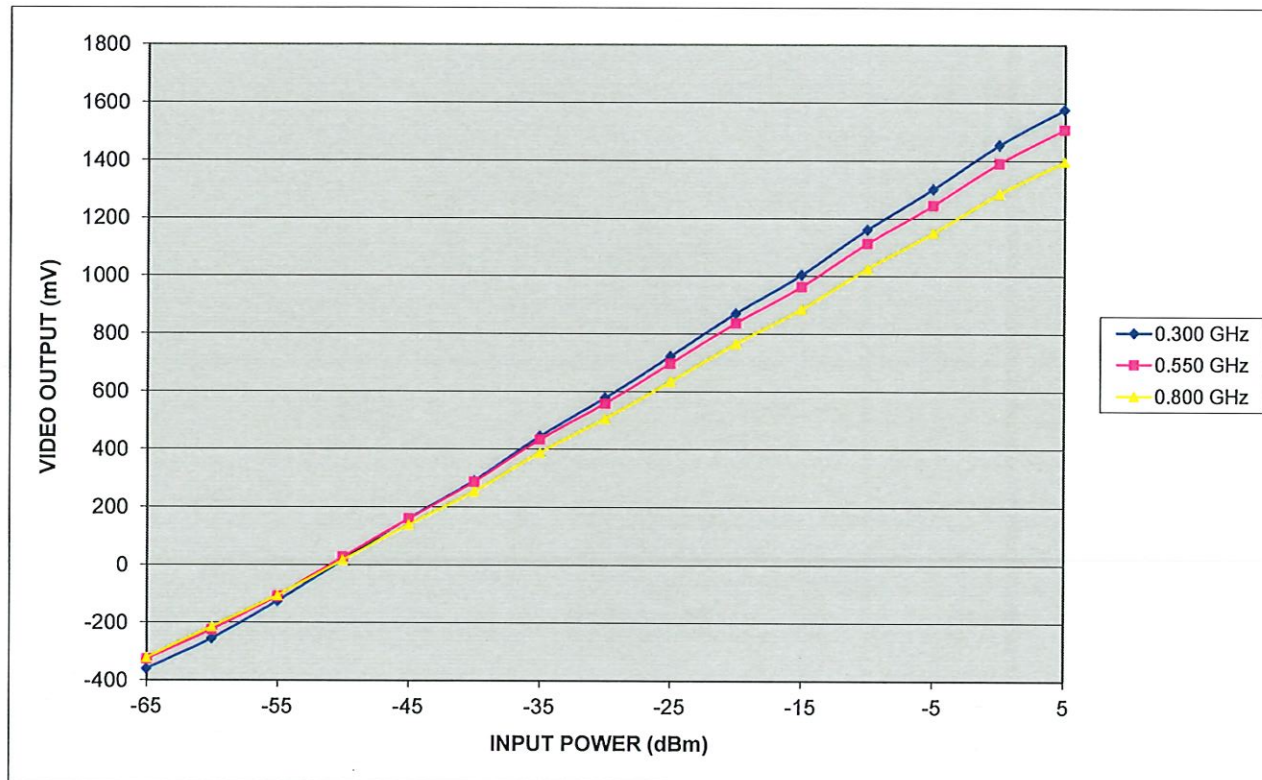
0.80 INTERCEPT (mV) 1267
 SLOPE (mV/dB) 24.91
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.75
 LINEARITY(-65 TO +5dBm) ± 1.41
 FREQUENCY FLATNESS ± 3.59

TSS 95C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.34V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-360	-255	-126	17	161	291	445	578	722	871	1004	1161	1301	1454	1576	Measured Value (mV)
0.30 Error (mV)	38	2	-10	-8	-6	-16	-3	-11	-8	-1	-8	8	7	18	0	Error (mV)
0.30 Limited If Output (dBm)	-17.21	-16.55	-16.27	-16.14	-16.05	-16.00	-15.96	-15.94	-15.93	-15.93	-15.94	-15.95	-15.95	-15.95	-15.95	Limited If Output (dBm)
0.55 Measured Value (mV)	-328	-225	-109	27	160	287	434	559	697	837	963	1114	1246	1391	1508	Measured Value (mV)
0.55 Error (mV)	38	6	-11	-9	-10	-16	-3	-12	-7	-1	-9	8	6	18	1	Error (mV)
0.55 Limited If Output (dBm)	-16.98	-16.52	-16.27	-16.13	-16.03	-15.99	-15.98	-15.99	-16.00	-16.01	-16.01	-16.02	-16.02	-16.02	-16.05	Limited If Output (dBm)
0.80 Measured Value (mV)	-323	-216	-107	16	139	253	388	506	634	766	885	1026	1150	1286	1397	Measured Value (mV)
0.80 Error (mV)	29	12	-5	-5	-7	-18	-7	-14	-10	-4	-9	7	7	19	5	Error (mV)
0.80 Limited If Output (dBm)	-16.88	-16.40	-16.20	-16.08	-16.04	-16.04	-16.05	-16.06	-16.06	-16.06	-16.06	-16.07	-16.07	-16.08	-16.11	Limited If Output (dBm)



LIMITED IF OUTPUT MAX -15.93 dBm
 LIMITED IF OUTPUT MIN -17.21 dBm
 LIMITED IF FLATNESS ± 0.64 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4349
 TESTED BY: H. HAHN
 DATE: 12/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1911
 SLOPE (mV/dB) 29.57
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1844
 SLOPE (mV/dB) 28.11
 LIMITED IF OUTPUT (dBm)

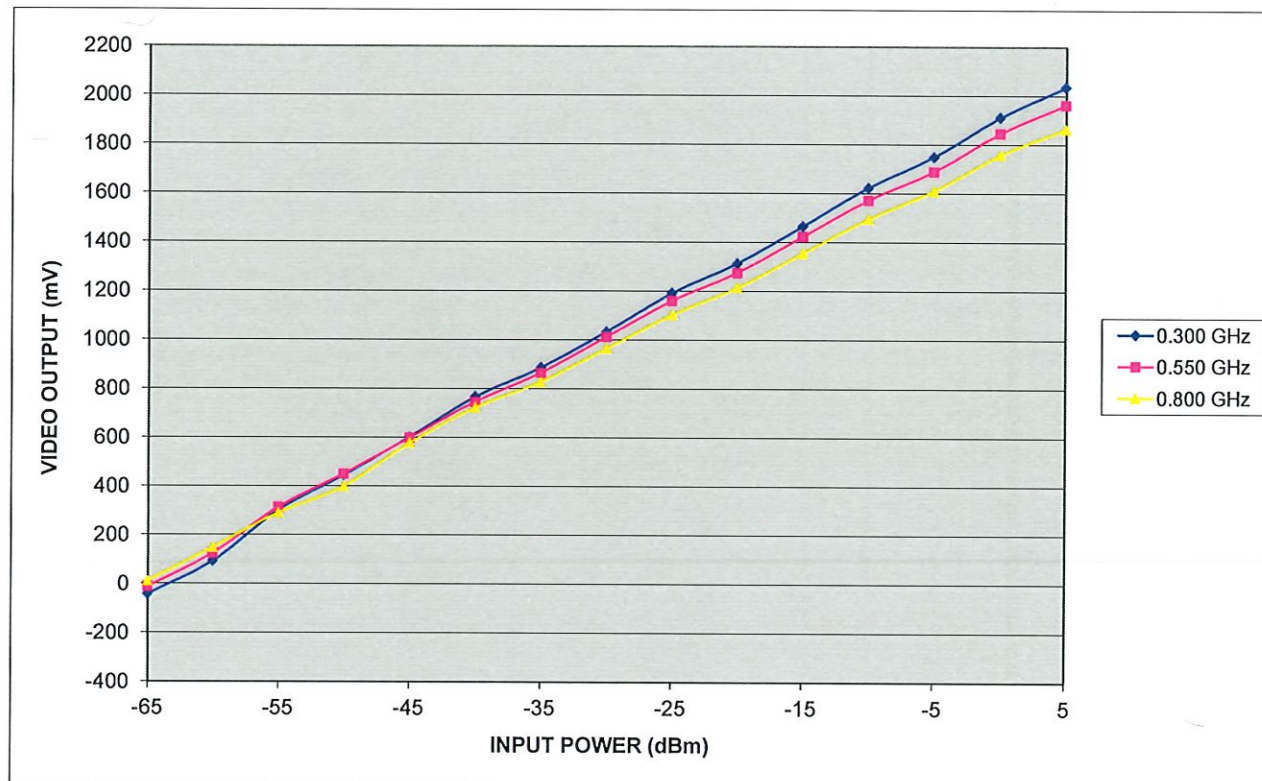
0.80 INTERCEPT (mV) 1751
 SLOPE (mV/dB) 26.56
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 1.53
 LINEARITY(-65 TO +5dBm) ± 1.53
 FREQUENCY FLATNESS ± 3.43

TSS -54C
 -65dBm MAX -65 dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.67V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-43	92	301	445	599	766	885	1033	1191	1312	1464	1622	1749	1910	2035	
0.30 Error (mV)	-32	-45	16	12	19	38	9	9	19	-8	-3	7	-15	-1	-24	
0.30 Limited IF Output (dBm)	-15.66	-15.68	-15.90	-15.99	-16.02	-16.04	-16.08	-16.05	-16.05	-16.08	-16.09	-16.10	-16.11	-16.11	-16.11	
0.55 Measured Value (mV)	-13	124	312	449	598	744	864	1012	1159	1274	1422	1571	1689	1846	1962	
0.55 Error (mV)	-30	-34	14	11	18	25	3	11	18	-8	0	8	-15	2	-23	
0.55 Limited IF Output (dBm)	-15.61	-15.70	-15.79	-15.88	-16.01	-16.00	-15.95	-15.97	-16.01	-16.03	-16.03	-16.03	-16.03	-16.03	-16.05	
0.80 Measured Value (mV)	10	147	290	398	577	722	826	963	1100	1212	1353	1493	1609	1756	1863	
0.80 Error (mV)	-15	-11	-1	-25	20	33	4	8	13	-8	0	7	-10	5	-21	
0.80 Limited IF Output (dBm)	-15.61	-15.68	-15.76	-15.85	-15.93	-16.01	-15.99	-15.96	-15.98	-16.00	-15.98	-15.97	-15.97	-16.00	-16.08	



LIMITED IF OUTPUT MAX -15.61 dBm
 LIMITED IF OUTPUT MIN -16.11 dBm
 LIMITED IF FLATNESS ± 0.25 dBm