

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4340
 TESTED BY: H. HAHN
 DATE: 11/AUG/2008



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 ISO 9001:2000 CERTIFIED

Frequency

0.30 INTERCEPT (mV) 1618
 SLOPE (mV/dB) 27.52
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1555
 SLOPE (mV/dB) 26.11
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1460
 SLOPE (mV/dB) 24.4
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.76
 LINEARITY(-65 TO +5dBm) ± 0.76
 FREQUENCY FLATNESS ± 3.23

TSS 25C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.46V

INPUT VSWR 2:1 MAX @ 25C 1.11:1

IF OUTPUT VSWR 2:1 MAX @ 25C 1.35:1

VIDEO RISE TIME 25 nS MAX @ 25C 18 nS

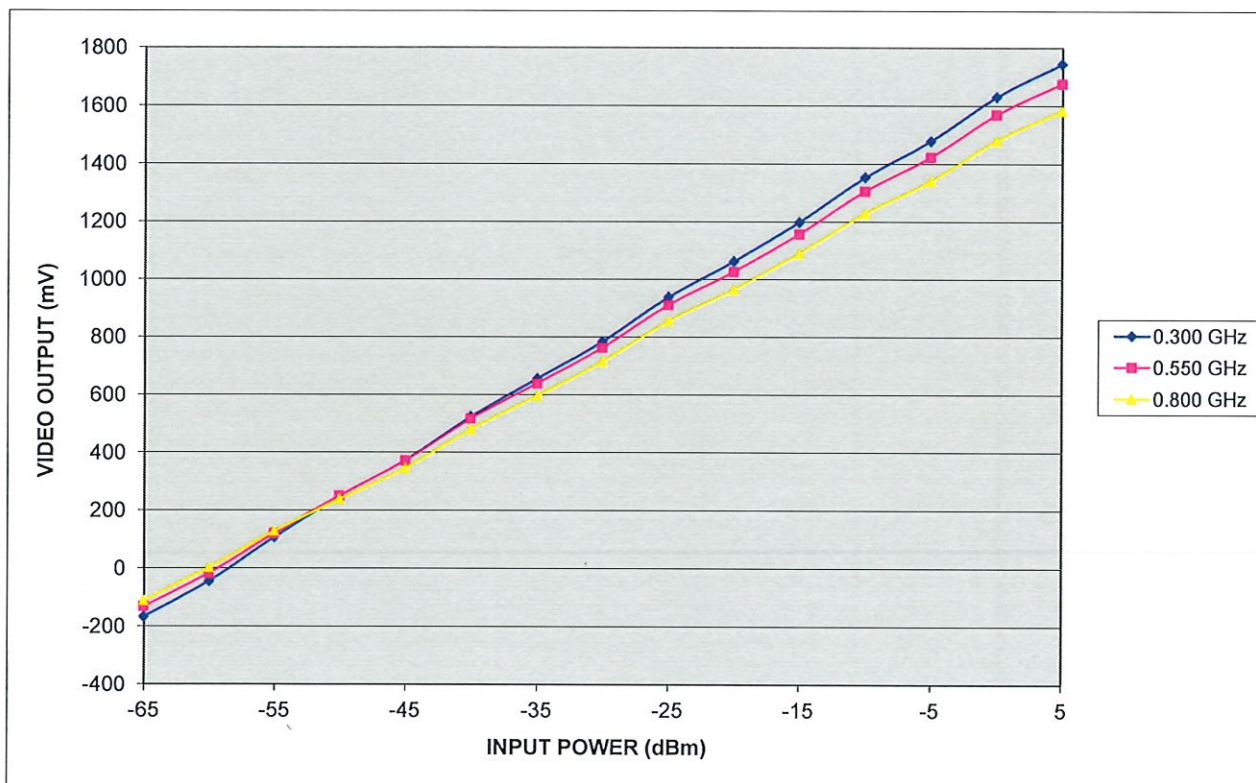
VIDEO FALL TIME 80 nS MAX @ 25C 38 nS

PROPAGATION DELAY 40 nS MAX @ 25C 14 nS

+5 V @ 70 mA MAX 30 mA

-5.2 V @ 200 mA MAX 118 mA

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-167	-44	107	249	372	524	656	784	939	1062	1198	1352	1478	1631	1743	Measured Value (mV)
0.30 Error (mV)	3	-10	3	7	-8	7	1	-8	9	-6	-7	10	-2	13	-12	Error (mV)
0.30 Measured Value (mV)	-16.22	-15.98	-15.91	-15.86	-15.82	-15.79	-15.78	-15.77	-15.77	-15.77	-15.78	-15.79	-15.79	-15.79	-15.80	Measured Value (mV)
0.55 Measured Value (mV)	-132	-18	120	250	370	516	638	762	910	1025	1156	1304	1422	1569	1676	Measured Value (mV)
0.55 Error (mV)	10	-6	1	1	-9	6	-3	-9	8	-7	-7	11	-2	14	-9	Error (mV)
0.55 Measured Value (mV)	-16.14	-15.99	-15.91	-15.84	-15.78	-15.77	-15.80	-15.82	-15.82	-15.83	-15.83	-15.83	-15.83	-15.83	-15.86	Measured Value (mV)
0.80 Measured Value (mV)	-111	2	128	239	345	479	595	714	853	963	1088	1227	1339	1479	1582	Measured Value (mV)
0.80 Error (mV)	15	6	10	-1	-17	-5	-11	-14	3	-9	-6	10	0	18	-1	Error (mV)
0.80 Measured Value (mV)	-16.08	-15.94	-15.90	-15.88	-15.87	-15.84	-15.85	-15.87	-15.88	-15.89	-15.88	-15.87	-15.88	-15.89	-15.93	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.77 dBm
 LIMITED IF OUTPUT MIN -16.22 dBm
 LIMITED IF FLATNESS ± 0.23 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
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Frequency

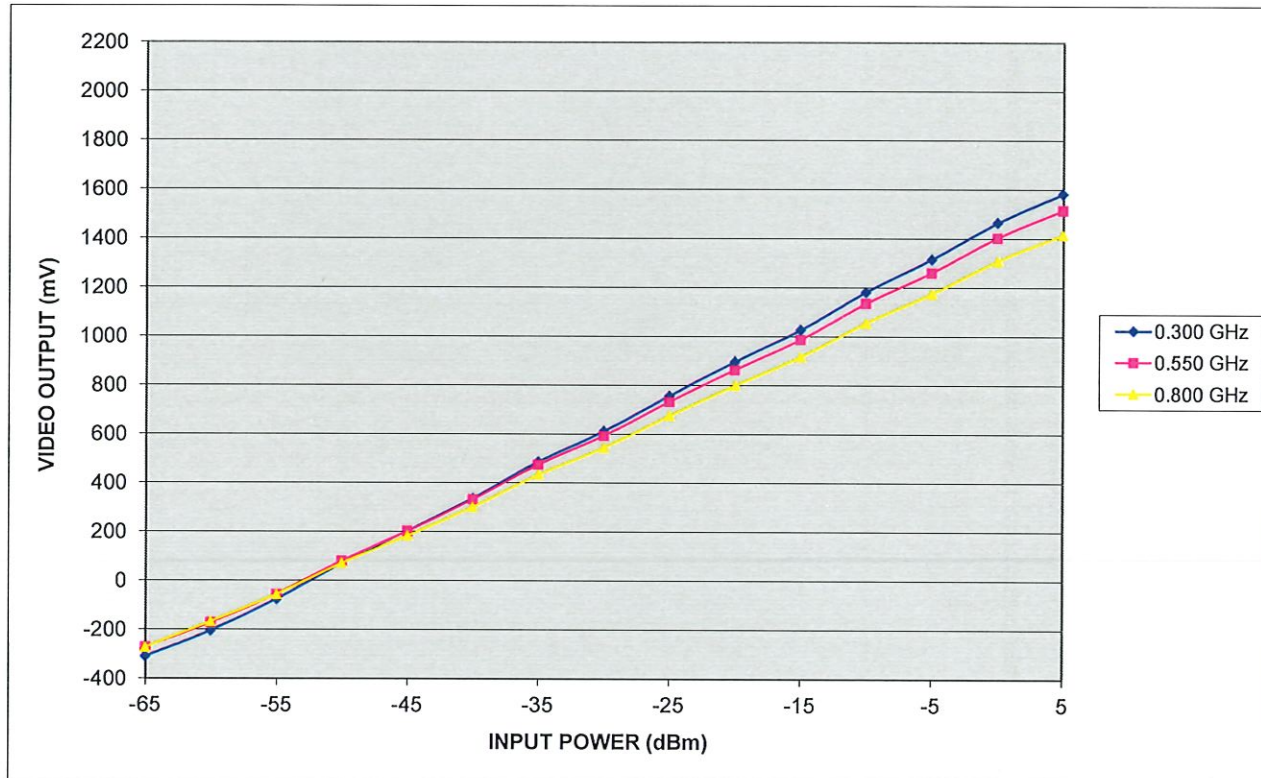
0.30 INTERCEPT (mV) 1448
 SLOPE (mV/dB) 27.51
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1386
 SLOPE (mV/dB) 26.04
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1290
 SLOPE (mV/dB) 24.42
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.70
 LINEARITY(-65 TO +5dBm) ± 1.32
 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)	-309	-204	-76	71	202	336	486	611	757	897	1026	1181	1315	1464	1582	
0.30 Error (mV)	31	-2	-11	-1	-8	-12	1	-11	-3	-1	-9	8	4	16	-3	
0.30 Measured Value (mV)	-16.54	-16.01	-15.77	-15.66	-15.60	-15.54	-15.51	-15.50	-15.50	-15.50	-15.50	-15.51	-15.51	-15.51	-15.52	
0.55 Measured Value (mV)	-273	-173	-58	79	201	331	473	591	731	863	986	1135	1260	1403	1515	
0.55 Error (mV)	34	3	-11	-4	-13	-13	-1	-13	-3	-2	-9	10	5	17	-1	
0.55 Measured Value (mV)	-16.33	-15.97	-15.78	-15.66	-15.59	-15.55	-15.55	-15.56	-15.57	-15.57	-15.58	-15.58	-15.58	-15.59	-15.61	
0.80 Measured Value (mV)	-273	-169	-58	70	182	299	431	542	673	798	915	1054	1173	1307	1414	
0.80 Error (mV)	25	7	-5	2	-9	-14	-4	-15	-6	-4	-9	8	5	17	2	
0.80 Measured Value (mV)	-16.30	-15.90	-15.72	-15.63	-15.61	-15.63	-15.64	-15.64	-15.64	-15.65	-15.64	-15.65	-15.65	-15.67	-15.69	



LIMITED IF OUTPUT MAX -15.50 dBm
 LIMITED IF OUTPUT MIN -16.54 dBm
 LIMITED IF FLATNESS ± 0.52 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4340
 TESTED BY: H. HAHN
 DATE: 11/AUG/2008

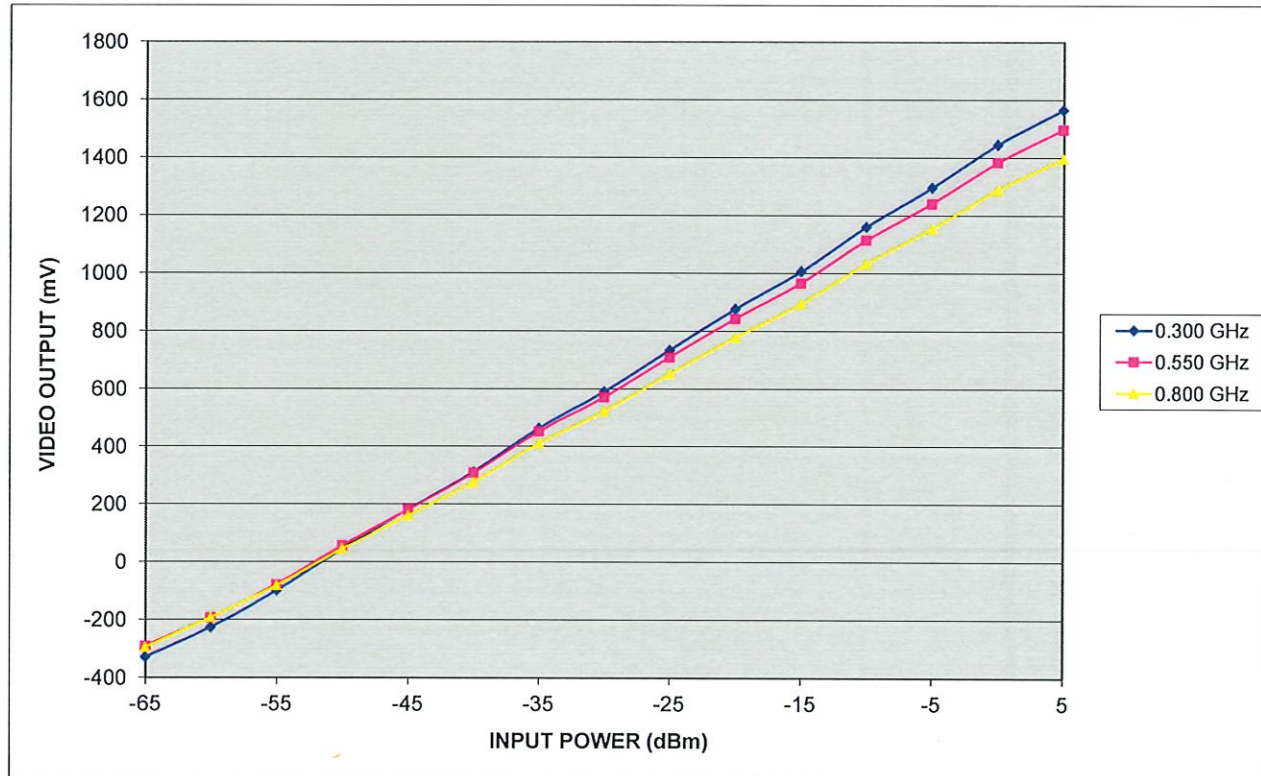


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Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30	INTERCEPT (mV)	1428															Measured Value (mV)
	SLOPE (mV/dB)	27.55															Error (mV)
	LIMITED IF OUTPUT (dBm)	-16.79	-16.21	-15.94	-15.82	-15.75	-15.69	-15.66	-15.65	-15.64	-15.64	-15.65	-15.66	-15.66	-15.66	-15.66	-15.66
0.55	INTERCEPT (mV)	1366															Measured Value (mV)
	SLOPE (mV/dB)	26.07															Error (mV)
	LIMITED IF OUTPUT (dBm)	-16.55	-16.15	-15.95	-15.82	-15.74	-15.70	-15.69	-15.70	-15.71	-15.72	-15.72	-15.72	-15.72	-15.72	-15.73	-15.75
0.80	INTERCEPT (mV)	1270															Measured Value (mV)
	SLOPE (mV/dB)	24.5															Error (mV)
	LIMITED IF OUTPUT (dBm)	-16.55	-16.10	-15.90	-15.79	-15.76	-15.77	-15.78	-15.79	-15.79	-15.79	-15.79	-15.79	-15.79	-15.80	-15.81	-15.84
LINEARITY(-60 TO 0dBm)		± 0.69															
LINEARITY(-65 TO +5dBm)		± 1.41															
FREQUENCY FLATNESS		± 3.37															

TSS 95C
 -65dBm MAX -65 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.36V



LIMITED IF OUTPUT MAX -15.64 dBm
 LIMITED IF OUTPUT MIN -16.79 dBm
 LIMITED IF FLATNESS ± 0.57 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4340
 TESTED BY: H. HAHN
 DATE: 11/AUG/2008

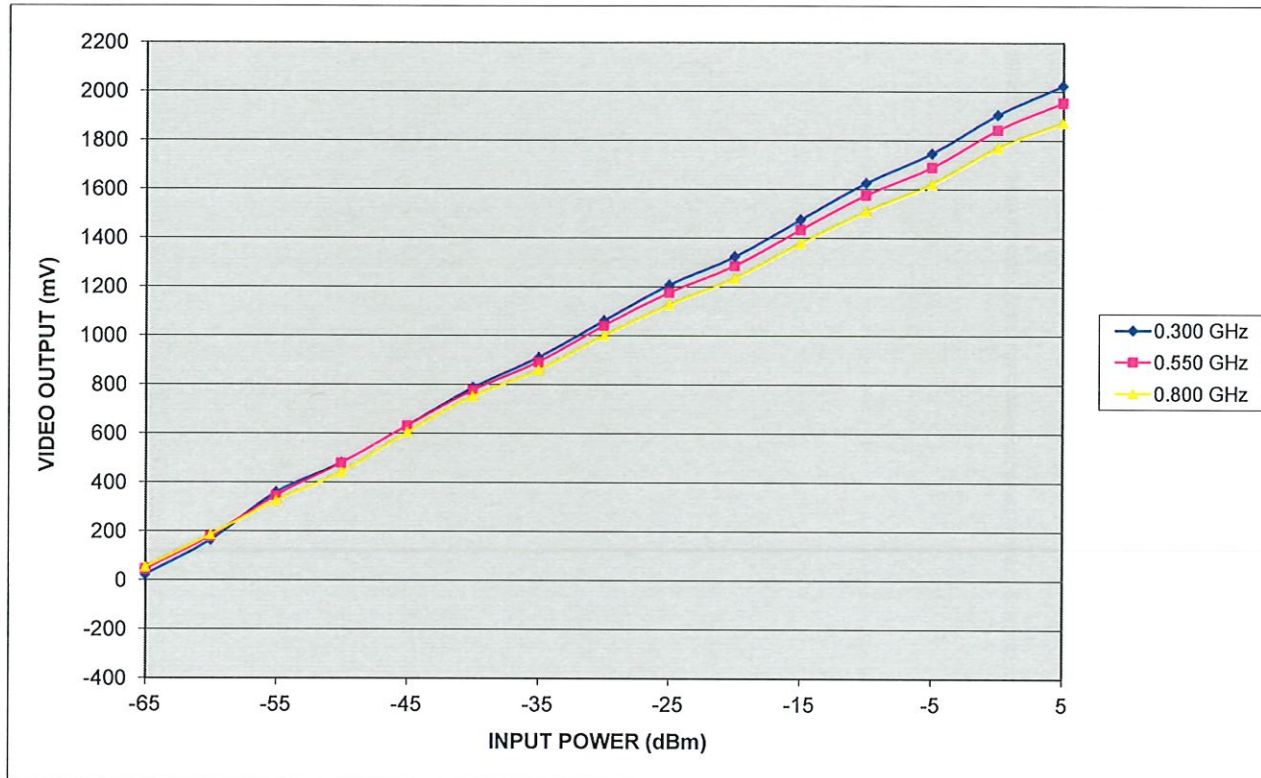


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Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30	INTERCEPT (mV)	1902															
	SLOPE (mV/dB)	28.47															
	LIMITED IF OUTPUT (dBm)	-15.45	-15.37	-15.42	-15.50	-15.54	-15.58	-15.63	-15.61	-15.62	-15.65	-15.66	-15.66	-15.66	-15.67	-15.67	-15.67
0.55	INTERCEPT (mV)	1840															
	SLOPE (mV/dB)	27.25															
	LIMITED IF OUTPUT (dBm)	-15.38	-15.34	-15.34	-15.41	-15.48	-15.59	-15.52	-15.52	-15.57	-15.60	-15.60	-15.59	-15.59	-15.59	-15.59	-15.60
0.80	INTERCEPT (mV)	1763															
	SLOPE (mV/dB)	26.08															
	LIMITED IF OUTPUT (dBm)	-15.38	-15.34	-15.36	-15.42	-15.42	-15.51	-15.46	-15.44	-15.49	-15.51	-15.50	-15.49	-15.48	-15.48	-15.58	Measured Value (mV)
LINEARITY(-60 TO 0dBm)		± 1.22															
LINEARITY(-65 TO +5dBm)		± 1.22															
FREQUENCY FLATNESS		± 3.08															

TSS -54C
 -65dBm MAX -66dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.67V



LIMITED IF OUTPUT MAX -15.34 dBm
 LIMITED IF OUTPUT MIN -15.67 dBm
 LIMITED IF FLATNESS ± 0.17 dBm