

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4302
 TESTED BY: H. HAHN
 DATE: 5/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)	1625																Measured Value (mV)	
	SLOPE (mV/dB)	27.53																Error (mV)	
	LIMITED IF OUTPUT (dBm)	-16.47	-16.26	-16.22	-16.17	-16.13	-16.10	-16.08	-16.07	-16.06	-16.07	-16.08	-16.09	-16.09	-16.09	-16.10		Measured Value (mV)	
0.55	INTERCEPT (mV)	1560																Measured Value (mV)	
	SLOPE (mV/dB)	26.16																Error (mV)	
	LIMITED IF OUTPUT (dBm)	-16.42	-16.28	-16.21	-16.13	-16.06	-16.07	-16.11	-16.11	-16.12	-16.13	-16.13	-16.13	-16.13	-16.14	-16.16		Measured Value (mV)	
0.80	INTERCEPT (mV)	1468																Measured Value (mV)	
	SLOPE (mV/dB)	24.53																Error (mV)	
	LIMITED IF OUTPUT (dBm)	-16.35	-16.23	-16.19	-16.17	-16.11	-16.04	-16.11	-16.13	-16.16	-16.17	-16.17	-16.16	-16.16	-16.18	-16.22		Measured Value (mV)	
LINEARITY(-60 TO 0dBm)																		± 0.82	
LINEARITY(-65 TO +5dBm)																			± 0.82
FREQUENCY FLATNESS																			± 3.24

TSS 25C
 -65dBm MAX -69 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.5V

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

IF OUTPUT VSWR 2:1 MAX @ 25C
 1.30:1

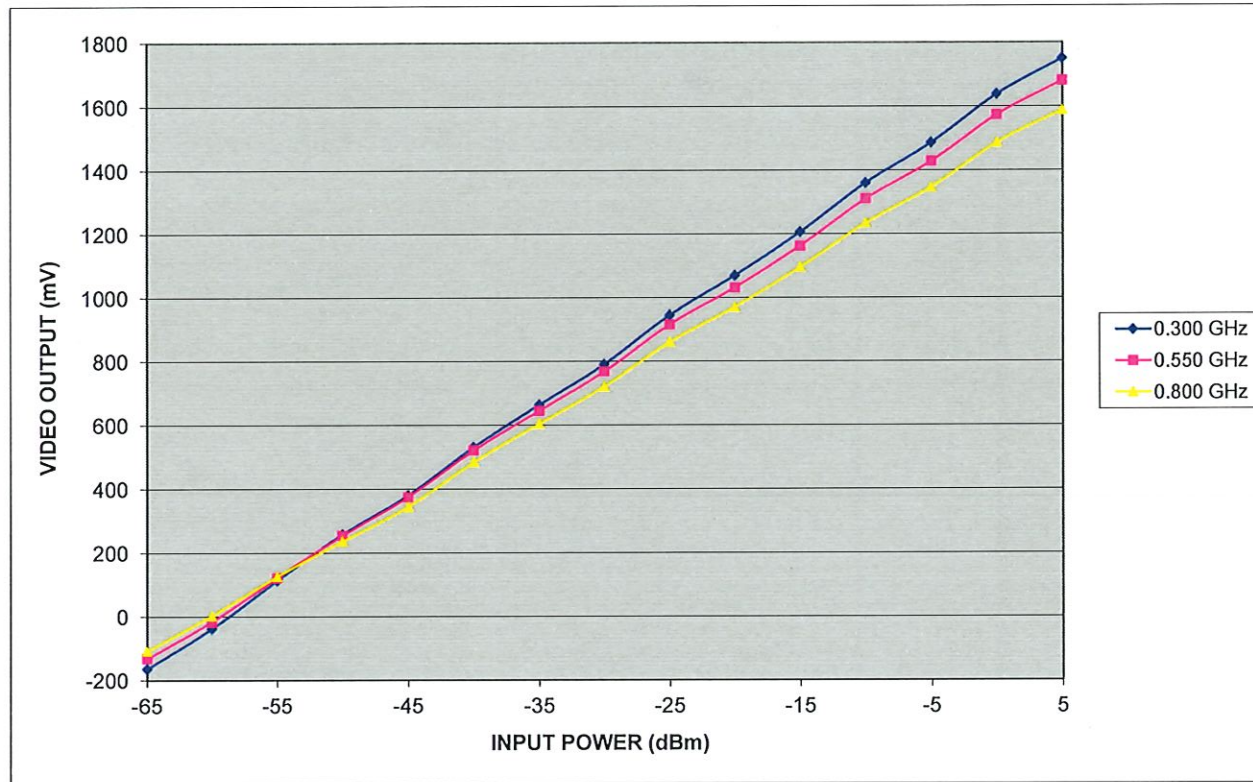
VIDEO RISE TIME 25 nS MAX @ 25C
 18 nS

VIDEO FALL TIME 80 nS MAX @ 25C
 44 nS

PROPAGATION DELAY 40 nS MAX @ 25C
 16 nS

+5 V @ 70 mA MAX 31 mA

-5.2 V @ 200 mA MAX 118 mA



LIMITED IF OUTPUT MAX -16.04 dBm
 LIMITED IF OUTPUT MIN -16.47 dBm
 LIMITED IF FLATNESS ± 0.21 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4302
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Frequency

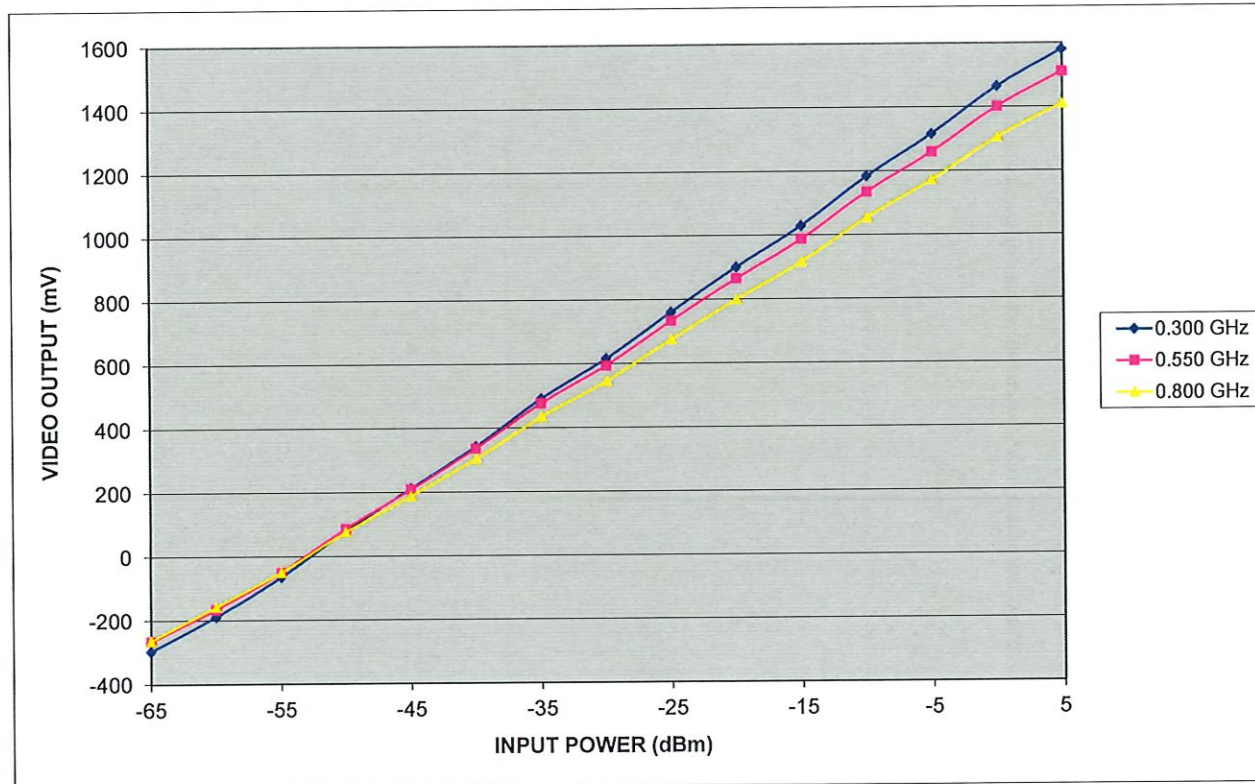
0.30 INTERCEPT (mV) 1447
 SLOPE (mV/dB) 27.29
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1383
 SLOPE (mV/dB) 25.87
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1287
 SLOPE (mV/dB) 24.23
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.73
 LINEARITY(-65 TO +5dBm) ± 1.25
 FREQUENCY FLATNESS ± 3.40

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
Measured Value (mV)	-297	-189	-65	80	211	342	491	616	760	900	1029	1183	1315	1464	1580	
Error (mV)	30	1	-11	-2	-8	-13	0	-12	-4	-1	-9	9	5	18	-4	
Measured Value (mV)	-16.80	-16.28	-16.06	-15.95	-15.88	-15.83	-15.80	-15.79	-15.78	-15.78	-15.79	-15.79	-15.79	-15.79	-15.79	
Measured Value (mV)	-266	-166	-51	86	209	336	477	594	733	864	987	1134	1259	1400	1511	
Error (mV)	32	3	-11	-4	-11	-12	-1	-13	-3	-2	-9	10	5	17	-2	
Measured Value (mV)	-16.64	-16.27	-16.07	-15.95	-15.86	-15.82	-15.81	-15.83	-15.84	-15.85	-15.86	-15.86	-15.86	-15.87	-15.89	
Measured Value (mV)	-265	-158	-51	76	188	303	435	545	675	798	915	1053	1171	1305	1410	
Error (mV)	24	9	-5	1	-9	-14	-4	-15	-6	-4	-9	8	5	18	2	
Measured Value (mV)	-16.68	-16.18	-16.01	-15.93	-15.89	-15.88	-15.89	-15.90	-15.91	-15.91	-15.92	-15.92	-15.93	-15.95	-15.98	



LIMITED IF OUTPUT MAX -15.78 dBm
 LIMITED IF OUTPUT MIN -16.80 dBm
 LIMITED IF FLATNESS ± 0.51 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4302
 TESTED BY: H. HAHN
 DATE: 4/AUG/2008

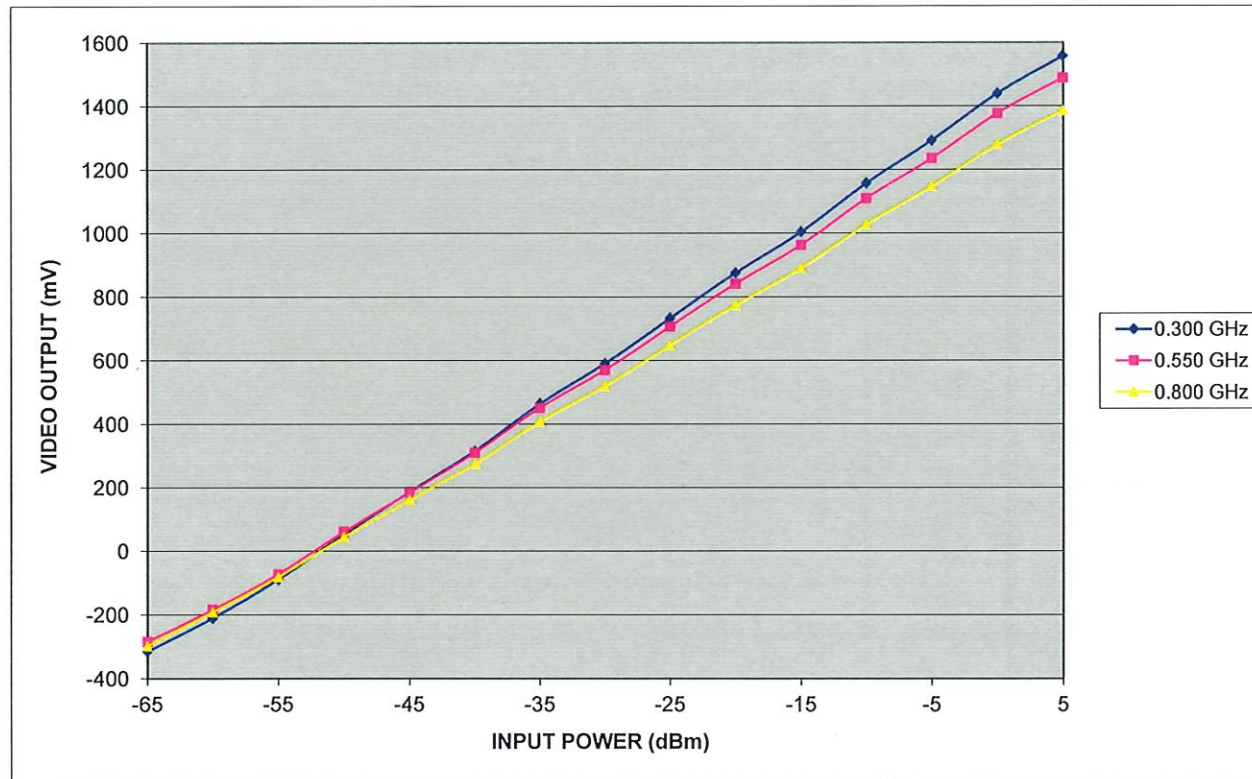


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Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30	INTERCEPT (mV)	1421															Measured Value (mV)
	SLOPE (mV/dB)	27.26															Error (mV)
	LIMITED IF OUTPUT (dBm)	-16.99	-16.43	-16.18	-16.06	-15.99	-16.94	-15.90	-15.89	-15.88	-15.88	-15.88	-15.89	-15.89	-15.88	-15.88	-15.88
0.55	INTERCEPT (mV)	1357															Measured Value (mV)
	SLOPE (mV/dB)	25.82															Error (mV)
	LIMITED IF OUTPUT (dBm)	-16.79	-16.39	-16.18	-16.06	-15.97	-15.93	-15.92	-15.93	-15.94	-15.95	-15.96	-15.96	-15.96	-15.97	-16.00	-16.00
0.80	INTERCEPT (mV)	1263															Measured Value (mV)
	SLOPE (mV/dB)	24.36															Error (mV)
	LIMITED IF OUTPUT (dBm)	-16.85	-16.36	-16.16	-16.04	-15.99	-15.99	-15.99	-16.01	-16.01	-16.02	-16.02	-16.02	-16.02	-16.03	-16.06	-16.10
LINEARITY(-60 TO 0dBm)		± 0.71															
LINEARITY(-65 TO +5dBm)		± 1.40															
FREQUENCY FLATNESS		± 3.43															

TSS 95C
 -65dBm MAX -68 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.35V



LIMITED IF OUTPUT MAX -15.88 dBm
 LIMITED IF OUTPUT MIN -16.99 dBm
 LIMITED IF FLATNESS ± 0.55 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4302
 TESTED BY: H. HAHN
 DATE: 6/AUG/2008

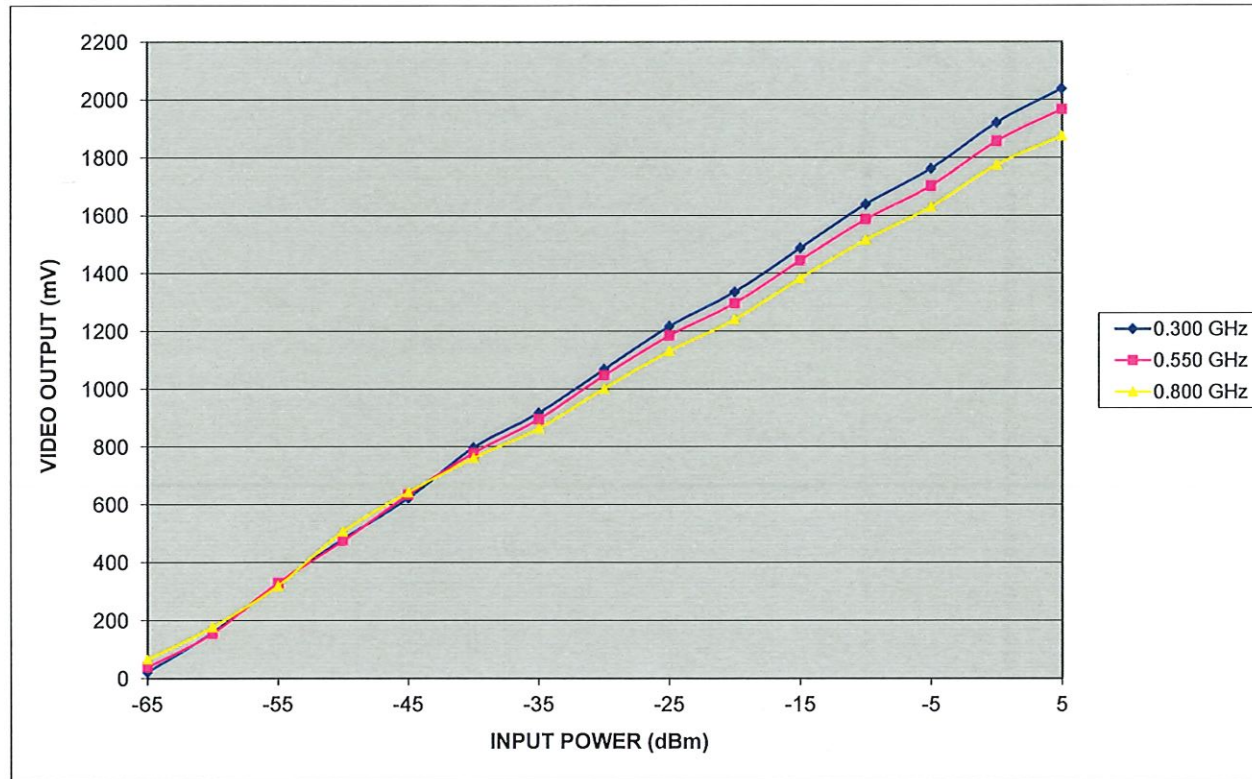


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Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)	
0.30 INTERCEPT (mV)	1919	22	157	325	481	622	797	916	1067	1217	1335	1486	1638	1760	1920	2037	Measured Value (mV)	
SLOPE (mV/dB)	28.9	-19	-28	-4	6	4	34	9	15	20	-7	1	8	-14	1	-26	Error (mV)	
LIMITED IF OUTPUT (dBm)		-15.65	-15.61	-15.74	-15.88	-15.89	-15.98	-15.97	-15.97	-15.99	-16.02	-16.03	-16.04	-16.04	-16.04	-16.04	Measured Value (mV)	
0.55 INTERCEPT (mV)	1856	39	155	329	474	634	779	895	1047	1185	1296	1444	1586	1701	1856	1966	Measured Value (mV)	
SLOPE (mV/dB)	27.69	-18	-40	-5	2	24	30	8	21	20	-7	3	7	-17	0	-29	Error (mV)	
LIMITED IF OUTPUT (dBm)		-15.63	-15.64	-15.69	-15.79	-15.94	-15.89	-15.85	-15.88	-15.92	-15.96	-15.96	-15.96	-15.96	-15.96	-15.96	Measured Value (mV)	
0.80 INTERCEPT (mV)	1769	65	176	318	506	642	761	862	1001	1130	1240	1382	1515	1629	1774	1874	Measured Value (mV)	
SLOPE (mV/dB)	25.91	-20	-38	-26	33	39	28	0	9	9	-11	2	5	-11	5	-25	Error (mV)	
LIMITED IF OUTPUT (dBm)		-15.62	-15.64	-15.75	-15.95	-15.94	-15.98	-15.94	-15.90	-15.92	-15.92	-15.90	-15.90	-15.90	-15.90	-15.94	-16.01	Measured Value (mV)
LINEARITY(-60 TO 0dBm)	± 1.51																	
LINEARITY(-65 TO +5dBm)	± 1.51																	
FREQUENCY FLATNESS	± 3.28																	

TSS -54C
 -65dBm MAX -66dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.67 V



LIMITED IF OUTPUT MAX -15.61 dBm
 LIMITED IF OUTPUT MIN -16.04 dBm
 LIMITED IF FLATNESS ± 0.21 dBm