

LOG TRANSFER WITH FREQUENCY @ 25 °C  
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4301  
 TESTED BY: H. HAHN  
 DATE: 5/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)	1648																Measured Value (mV)
SLOPE (mV/dB)	27.68																Error (mV)
LIMITED IF OUTPUT (dBm)																	Measured Value (mV)
0.55 INTERCEPT (mV)	1581																Measured Value (mV)
SLOPE (mV/dB)	26.26																Error (mV)
LIMITED IF OUTPUT (dBm)																	Measured Value (mV)
0.80 INTERCEPT (mV)	1487																Measured Value (mV)
SLOPE (mV/dB)	24.55																Error (mV)
LIMITED IF OUTPUT (dBm)																	Measured Value (mV)
LINEARITY(-60 TO 0dBm)																	Measured Value (mV)
LINEARITY(-65 TO +5dBm)																	Error (mV)
FREQUENCY FLATNESS																	Measured Value (mV)

LINEARITY(-60 TO 0dBm) ± 0.84  
 LINEARITY(-65 TO +5dBm) ± 0.84  
 FREQUENCY FLATNESS ± 3.30

TSS 25C  
 -65dBm MAX -69 dBm

OUTPUT VOLTAGE 25C  
 2.7V MAX 2.5V

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

IF OUTPUT VSWR 2:1 MAX @ 25C  
 1.47:1

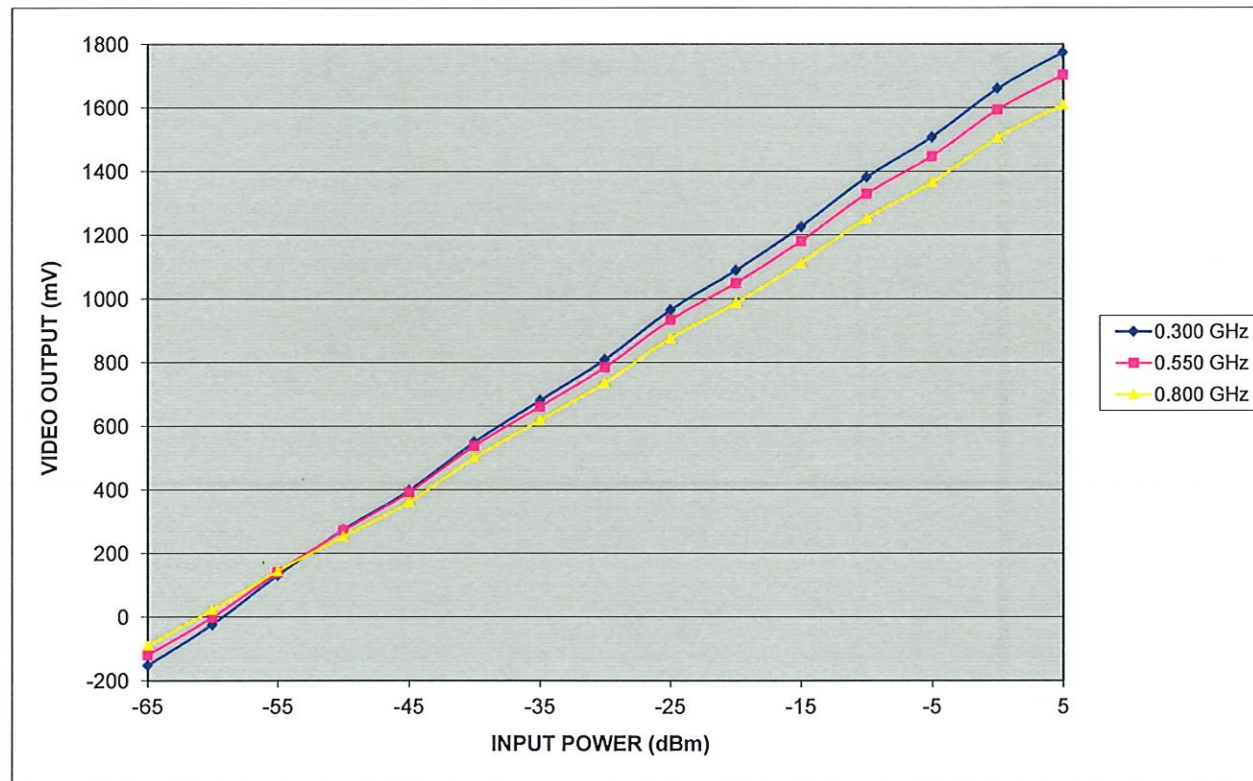
VIDEO RISE TIME 25 nS MAX @ 25C  
 18 nS

VIDEO FALL TIME 80 nS MAX @ 25C  
 44 nS

PROPERGATION 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 -16.01 dBm  
 LIMITED IF OUTPUT MIN -16.43 dBm  
 LIMITED IF FLATNESS ± 0.21 dBm

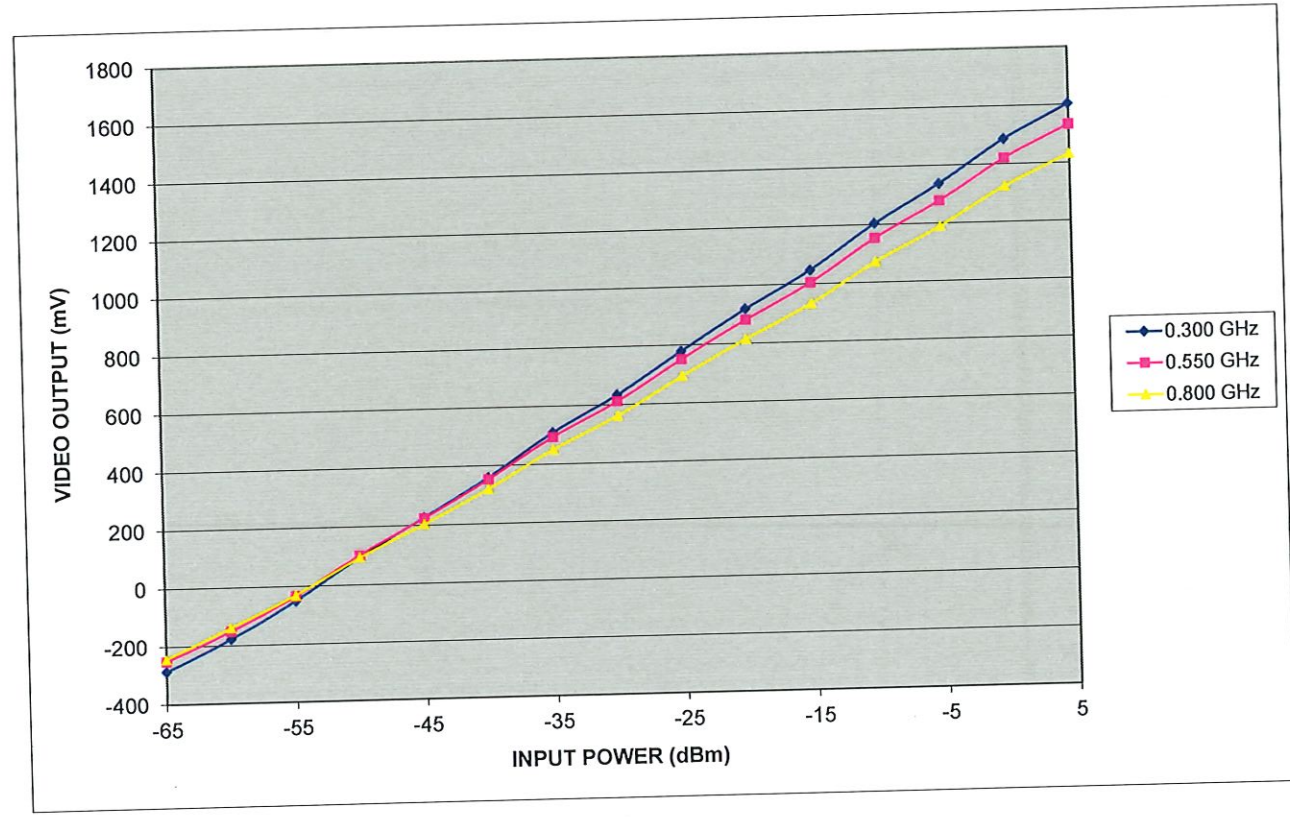
LOG TRANSFER WITH FREQUENCY @ 85 °C  
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4301  
 TESTED BY: H. HAHN  
 DATE: 5/AUG/2008



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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)	-287	-178	-51	97	226	360	509	633	779	919	1048	1203	1336	1486	1603	Measured Value (mV)
SLOPE (mV/dB)	28	0	-10	0	-7	-11	1	-12	-4	-1	-9	9	4	17	-3	Error (mV)
LIMITED IF OUTPUT (dBm)	-16.68	-16.16	-15.95	-15.84	-15.77	-15.73	-15.69	-15.68	-15.68	-15.68	-15.68	-15.69	-15.69	-15.69	-15.69	Measured Value (mV)
0.55 INTERCEPT (mV)	-252	-152	-35	103	224	354	494	611	751	882	1005	1153	1278	1420	1532	Measured Value (mV)
SLOPE (mV/dB)	32	3	-11	-3	-11	-11	-1	-13	-3	-2	-9	10	4	17	-1	Error (mV)
LIMITED IF OUTPUT (dBm)	-16.50	-16.16	-15.96	-15.84	-15.76	-15.73	-15.72	-15.73	-15.74	-15.75	-15.76	-15.76	-15.76	-15.77	-15.80	Measured Value (mV)
0.80 INTERCEPT (mV)	-245	-139	-32	94	203	320	451	561	692	815	931	1071	1189	1323	1430	Measured Value (mV)
SLOPE (mV/dB)	26	10	-4	1	-11	-16	-6	-17	-7	-5	-10	8	5	19	4	Error (mV)
LIMITED IF OUTPUT (dBm)	-16.41	-16.05	-15.90	-15.82	-15.80	-15.79	-15.79	-15.80	-15.81	-15.82	-15.82	-15.82	-15.83	-15.85	-15.89	Measured Value (mV)

LINEARITY(-60 TO 0dBm) ± 0.77  
 LINEARITY(-65 TO +5dBm) ± 1.23  
 FREQUENCY FLATNESS ± 3.46



LIMITED IF OUTPUT MAX -15.68 dBm  
 LIMITED IF OUTPUT MIN -16.68 dBm  
 LIMITED IF FLATNESS ± 0.50 dBm



LOG TRANSFER WITH FREQUENCY @ 95 °C  
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4301  
 TESTED BY: H. HAHN  
 DATE: 4/AUG/2008

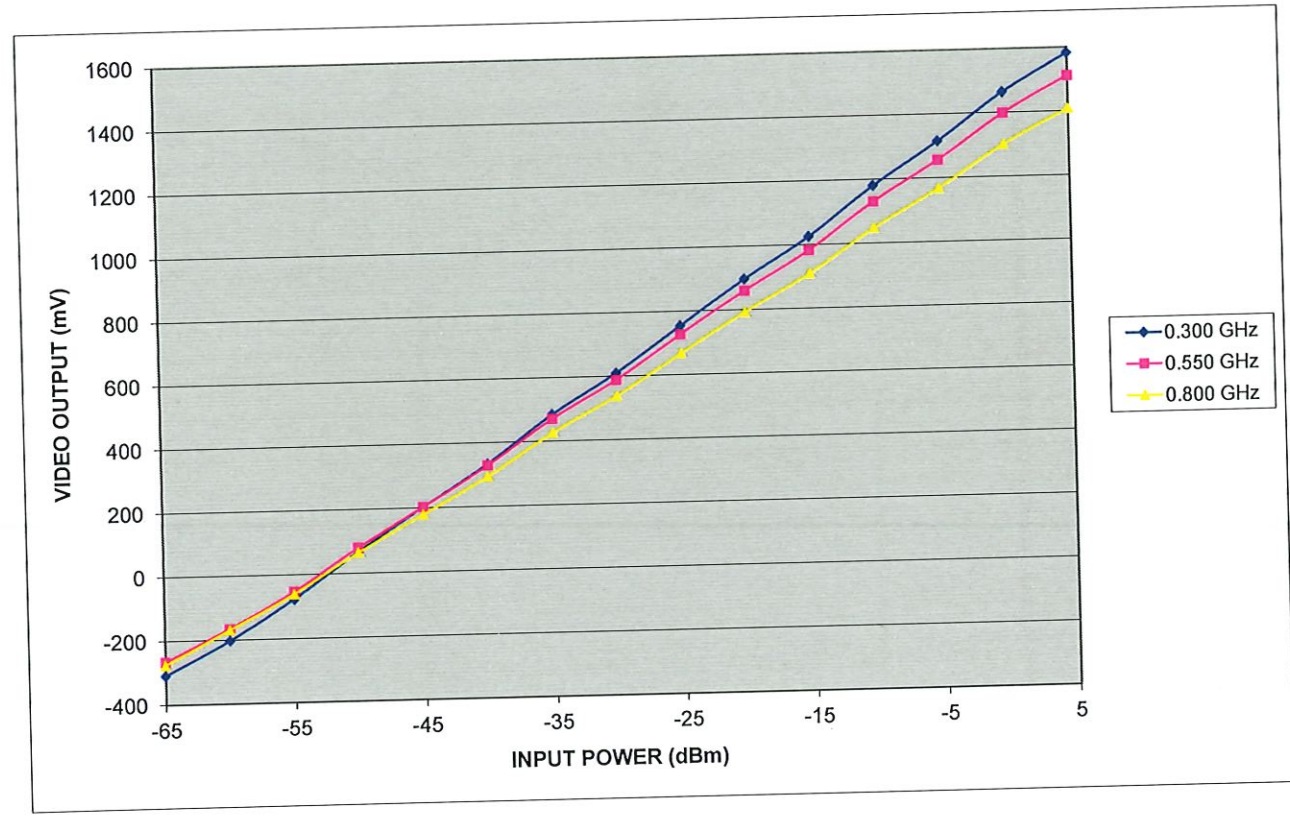


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Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 INTERCEPT (mV)	1446																
SLOPE (mV/dB)	27.48																
LIMITED IF OUTPUT (dBm)																	
0.55 INTERCEPT (mV)	1379																
SLOPE (mV/dB)	25.86																
LIMITED IF OUTPUT (dBm)																	
0.80 INTERCEPT (mV)	1282																
SLOPE (mV/dB)	24.34																
LIMITED IF OUTPUT (dBm)																	
LINEARITY(-60 TO 0dBm)	± 0.72																
LINEARITY(-65 TO +5dBm)	± 1.43																
FREQUENCY FLATNESS	± 3.49																

TSS 95C  
 -65dBm MAX -68 dBm

OUTPUT VOLTAGE 95C  
 2.7V MAX 2.38V



LIMITED IF OUTPUT MAX -15.79 dBm  
 LIMITED IF OUTPUT MIN -16.91 dBm  
 LIMITED IF FLATNESS ± 0.56 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C  
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4301  
 TESTED BY: H. HAHN  
 DATE: 5/AUG/2008

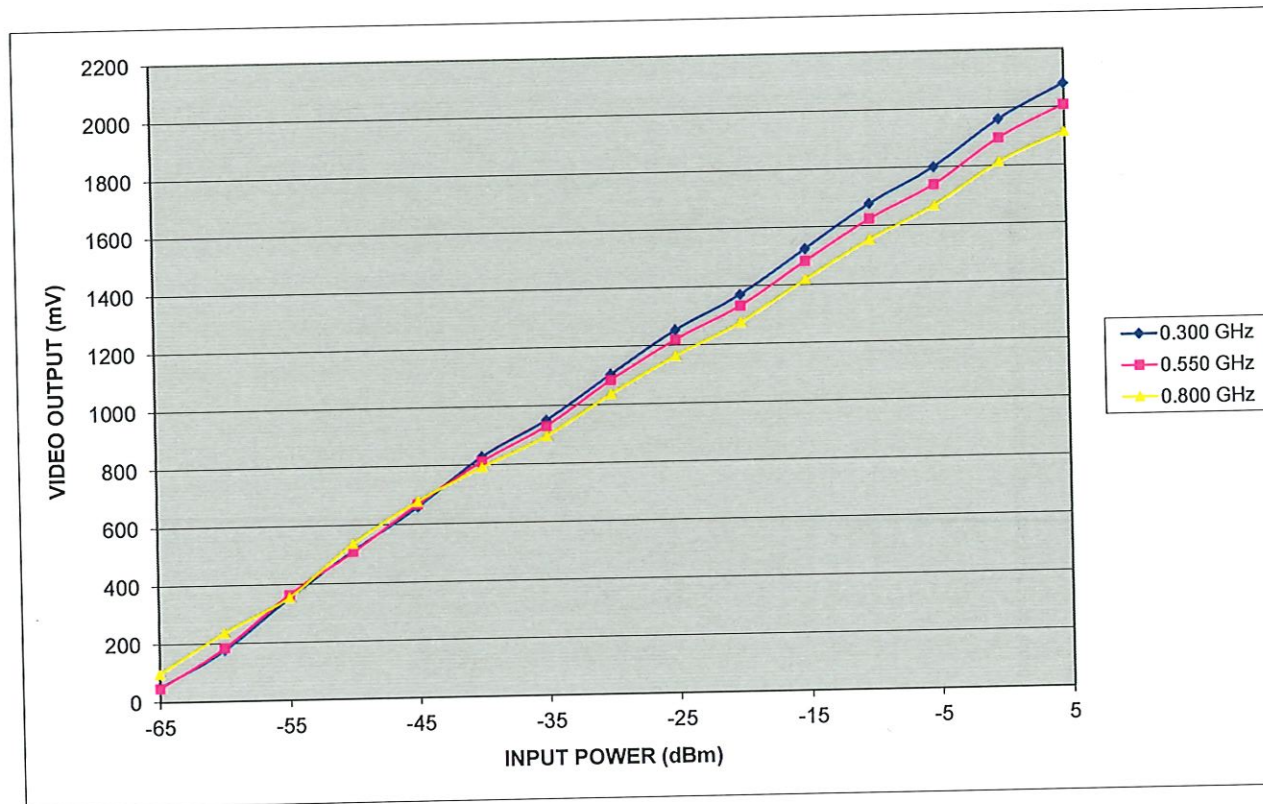


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Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 INTERCEPT (mV)	1960	50	176	353	512	659	828	950	1104	1252	1370	1524	1676	1799	1960	2080	Measured Value (mV)
SLOPE (mV/dB)	29.13	-17	-37	-5	8	9	34	9	18	20	-7	1	7	-16	0	-26	Error (mV)
LIMITED IF OUTPUT (dBm)		-15.61	-15.69	-15.67	-15.78	-15.81	-15.85	-15.85	-15.85	-15.88	-15.90	-15.92	-15.92	-15.93	-15.93	-15.92	Measured Value (mV)
0.55 INTERCEPT (mV)	1897	46	182	362	508	667	812	929	1083	1219	1331	1481	1623	1738	1894	2006	Measured Value (mV)
SLOPE (mV/dB)	27.93	-36	-38	2	8	28	33	9	25	21	-7	3	5	-19	-2	-30	Error (mV)
LIMITED IF OUTPUT (dBm)		-15.60	-15.60	-15.63	-15.70	-15.83	-15.78	-15.76	-15.78	-15.82	-15.85	-15.86	-15.86	-15.86	-15.86	-15.88	Measured Value (mV)
0.80 INTERCEPT (mV)	1804	96	236	354	536	677	791	894	1035	1163	1274	1417	1551	1664	1811	1913	Measured Value (mV)
SLOPE (mV/dB)	25.88	-26	-15	-27	26	38	23	-4	8	6	-13	2	6	-10	7	-21	Error (mV)
LIMITED IF OUTPUT (dBm)		-15.69	-15.60	-15.67	-15.84	-15.83	-15.88	-15.83	-15.81	-15.83	-15.83	-15.81	-15.81	-15.82	-15.85	-15.93	Measured Value (mV)
LINEARITY(-60 TO 0dBm)	± 1.46																
LINEARITY(-65 TO +5dBm)	± 1.46																
FREQUENCY FLATNESS	± 3.34																

TSS -54C  
 -65dBm MAX -66dBm

OUTPUT VOLTAGE -54C  
 2.7V MAX 2.71V



LIMITED IF OUTPUT MAX -15.59 dBm  
 LIMITED IF OUTPUT MIN -15.93 dBm  
 LIMITED IF FLATNESS ± 0.17 dBm