



**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF**

PL45419/2418

Graph #1

Log Transfer vs Frequency @+25C

Frequency		-63	-58	-53	-48	-43	-38	-33	-28	-23	-18	-13	-8	-3	2	RF Input Power (dBm)				
18 GHz	INTERCEPT (mV)	1715															Measured Value (mV)		Error (dB)	
	SLOPE (mV/dB)	25.6	123	223	341	464	615	765	887	1009	1125	1237	1396	1517	1638	1754	Error (mV)	MAX	MIN	
			19	-9	-19	-24	-1	22	16	10	-2	-18	13	6	-1	-13	LINEARITY ERROR (dB)	0.84	-0.93	
			0.74	-0.35	-0.74	-0.93	-0.02	0.84	0.61	0.38	-0.08	-0.70	0.51	0.24	-0.03	-0.49				
23.5 GHz	INTERCEPT (mV)	1703															Measured Value (mV)		Error (dB)	
	SLOPE (mV/dB)	25.3	135	240	360	487	627	733	851	972	1091	1214	1391	1521	1646	1766	Error (mV)	MAX	MIN	
			27	5	-2	-1	12	-8	-17	-22	-30	-33	17	21	19	12	LINEARITY ERROR (dB)	1.05	-1.32	
			1.05	0.20	-0.06	-0.04	0.49	-0.32	-0.66	-0.88	-1.18	-1.32	0.68	0.81	0.75	0.49				
29 GHz	INTERCEPT (mV)	1682															Measured Value (mV)		Error (dB)	
	SLOPE (mV/dB)	24.7	149	258	380	507	634	714	832	958	1081	1203	1374	1507	1633	1755	Error (mV)	MAX	MIN	
			26	11	9	12	16	-28	-34	-31	-32	-34	14	23	25	23	LINEARITY ERROR (dB)	1.03	-1.36	
			1.03	0.44	0.37	0.50	0.64	-1.13	-1.36	-1.27	-1.30	-1.36	0.55	0.92	1.01	0.95				
34.5 GHz	INTERCEPT (mV)	1623															Measured Value (mV)		Error (dB)	
	SLOPE (mV/dB)	23.5	150	260	383	510	635	711	826	949	1069	1188	1310	1439	1565	1692	Error (mV)	MAX	MIN	
			8	0	6	15	23	-19	-21	-16	-13	-12	-7	4	12	22	LINEARITY ERROR (dB)	0.96	-0.91	
			0.32	0.00	0.24	0.64	0.96	-0.81	-0.91	-0.68	-0.57	-0.51	-0.32	0.17	0.53	0.93				
40 GHz	INTERCEPT (mV)	1680															Measured Value (mV)		Error (dB)	
	SLOPE (mV/dB)	25.6	92	174	285	419	560	739	872	1004	1126	1246	1343	1455	1579	1708	Error (mV)	MAX	MIN	
			23	-23	-40	-34	-20	31	36	40	34	26	-5	-21	-24	-23	LINEARITY ERROR (dB)	1.56	-1.55	
			0.90	-0.89	-1.55	-1.31	-0.80	1.20	1.40	1.56	1.33	1.02	-0.18	-0.81	-0.96	-0.91				
Flatness +/- dB		1.20	1.70	2.00	1.80	1.50	1.10	1.20	1.20	1.10	1.20	1.70	1.60	1.60	1.50					
Max. Video Output (V)		0.15	0.26	0.38	0.51	0.64	0.77	0.89	1.01	1.13	1.25	1.40	1.52	1.65	1.77					
Min. Video Output (V)		0.09	0.17	0.29	0.42	0.56	0.71	0.83	0.95	1.07	1.19	1.31	1.44	1.57	1.69					
Nominal Log Slope mV/dB		24.94														Video Output @ -63dBm		Video Output @ +2dBm		
Log Slope Variation: ± mV/dB		1.04														Min(V)= 92.0		Min(V)= 1692.0		
																Max(V)= 150.0		Max(V)= 1766.0		



**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF**

PL45419/2418

Graph #1 (cont.)

Log Transfer vs Frequency @+25C





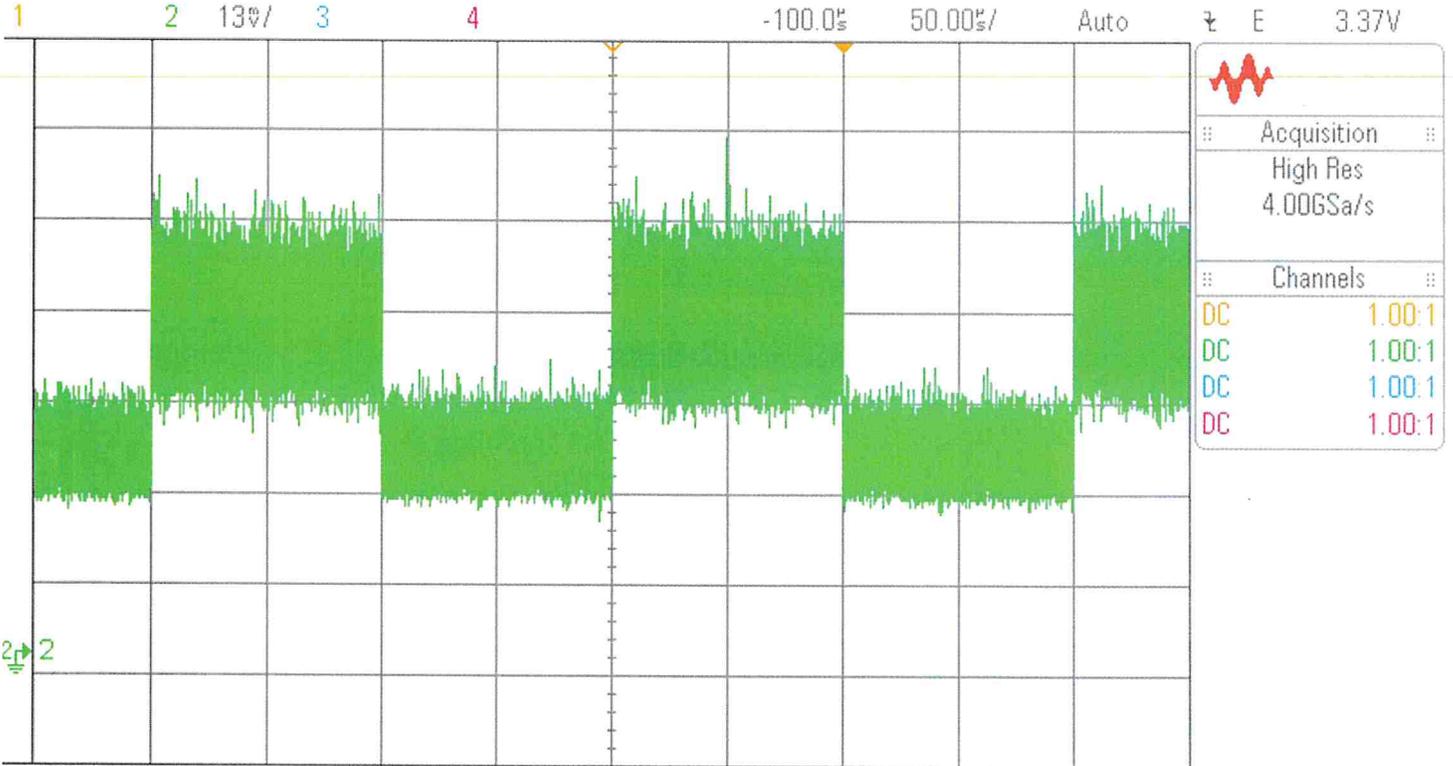
**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF**

PL45419/2418

Graph #2

TSS-69 dBm @+25C

DSO-X 3024A, MY54490369: Tue Apr 30 12:09:38 2024



Acquire Menu

Acq Mode
High Res

Avgs
1

Segmented



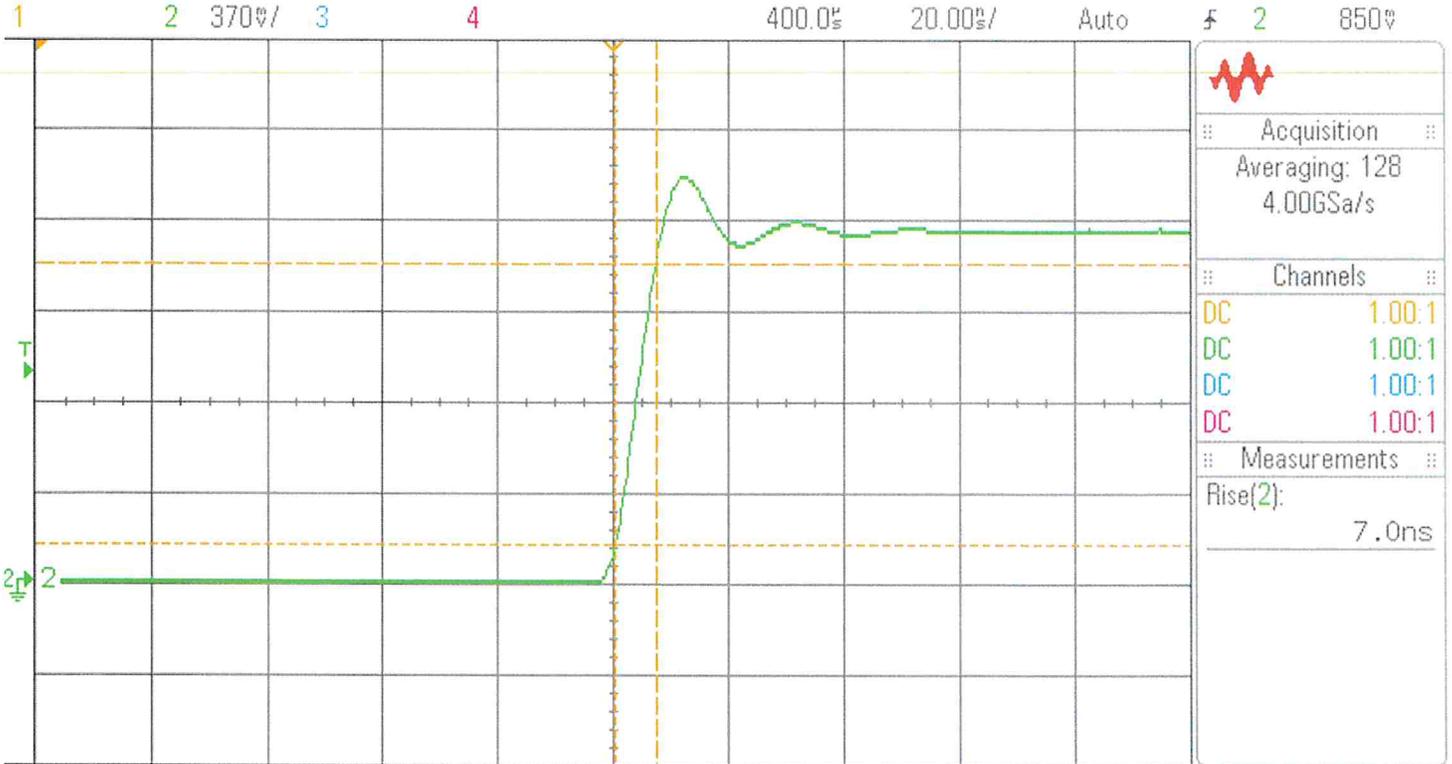
**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF**

PL45419/2418

Graph #3

Rise Time 7.0ns

DSO-X 3024A, MY54490369: Thu May 02 13:19:35 2024



Trigger Menu

Trigger Type: Edge Source: 2 Slope: f



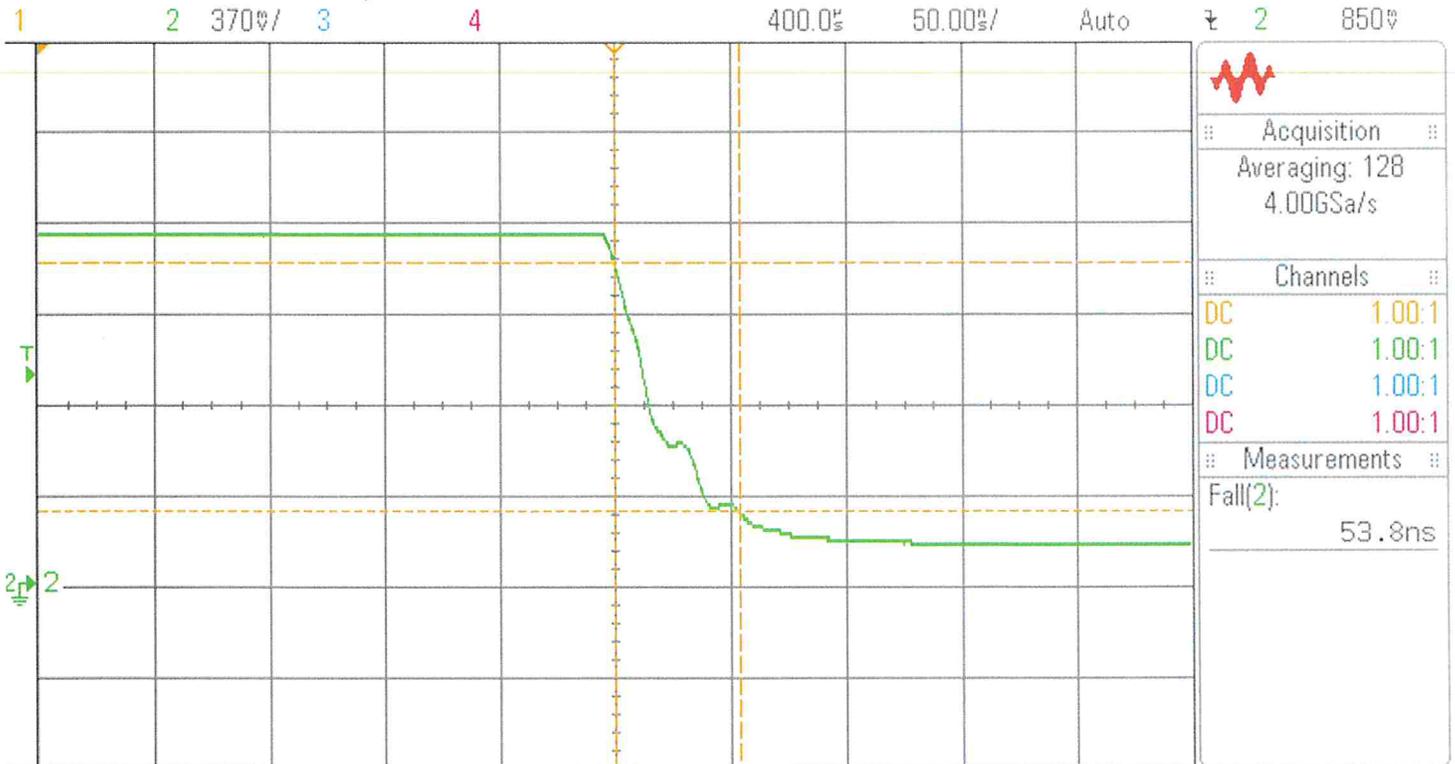
SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF

PL45419/2418

Graph #4

Recovery Time 53.8ns

DSO-X 3024A, MY54490369: Thu May 02 13:19:05 2024



Trigger Menu

Trigger Type: Edge
Source: 2
Slope: ↑



**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF**

PL45419/2418

Graph #5

VSWR 2.25:1 @+25C & -20 dBm

