





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

PL45722/2418

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)	1719															Measured Value (mV)		Error (dB)	
	SLOPE (mV/dB)	25.8	118	215	332	448	591	763	894	1022	1146	1270	1378	1503	1632	1757	Error (mV)	MAX	MIN	
			22	-10	-22	-35	-20	23	25	24	19	14	-6	-10	-10	-14	LINEARITY ERROR (dB)	0.97	-1.34	
			0.85	-0.39	-0.85	-1.34	-0.79	0.88	0.97	0.93	0.75	0.56	-0.25	-0.40	-0.39	-0.54				
23.5 GHz	INTERCEPT (mV)	1739															Measured Value (mV)		Error (dB)	
	SLOPE (mV/dB)	25.3	156	259	376	498	662	798	924	1052	1176	1292	1399	1527	1654	1779	Error (mV)	MAX	MIN	
			10	-14	-23	-28	10	20	19	21	18	8	-11	-10	-9	-11	LINEARITY ERROR (dB)	0.82	-1.09	
			0.39	-0.54	-0.91	-1.09	0.40	0.78	0.76	0.82	0.73	0.31	-0.45	-0.39	-0.37	-0.42				
29 GHz	INTERCEPT (mV)	1711															Measured Value (mV)		Error (dB)	
	SLOPE (mV/dB)	25.2	134	236	354	474	617	774	906	1038	1165	1281	1367	1491	1619	1745	Error (mV)	MAX	MIN	
			9	-16	-23	-28	-11	20	26	32	33	23	-18	-15	-16	-16	LINEARITY ERROR (dB)	1.32	-1.13	
			0.36	-0.58	-0.90	-1.13	-0.45	0.79	1.03	1.28	1.32	0.93	-0.65	-0.73	-0.64	-0.64				
34.5 GHz	INTERCEPT (mV)	1695															Measured Value (mV)		Error (dB)	
	SLOPE (mV/dB)	24.8	136	240	358	478	612	767	897	1028	1160	1278	1350	1473	1603	1733	Error (mV)	MAX	MIN	
			7	-13	-20	-24	-14	17	22	29	37	31	-22	-23	-17	-11	LINEARITY ERROR (dB)	1.49	-0.96	
			0.28	-0.53	-0.79	-0.96	-0.56	0.67	0.90	1.18	1.49	1.24	-0.87	-0.92	-0.68	-0.45				
40 GHz	INTERCEPT (mV)	1714															Measured Value (mV)		Error (dB)	
	SLOPE (mV/dB)	25.4	118	218	336	469	619	772	907	1036	1159	1282	1366	1492	1619	1746	Error (mV)	MAX	MIN	
			6	-21	-30	-24	-2	24	32	34	30	26	-18	-19	-19	-19	LINEARITY ERROR (dB)	1.33	-1.19	
			0.24	-0.83	-1.19	-0.96	-0.06	0.95	1.26	1.33	1.17	1.01	-0.69	-0.74	-0.74	-0.75				
Flatness +/- dB		0.80	0.90	0.90	1.00	1.40	0.70	0.60	0.60	0.60	0.40	1.00	1.10	1.00	0.90					
Max. Video Output (V)		0.16	0.25	0.38	0.50	0.66	0.80	0.92	1.05	1.18	1.29	1.40	1.53	1.65	1.78					
Min. Video Output (V)		0.12	0.22	0.33	0.45	0.59	0.76	0.89	1.02	1.15	1.27	1.35	1.47	1.60	1.73					
		Video Output @ -63dBm														Video Output @ =+2dBm				
Nominal Log Slope mV/dB	25.30															Min(V)= 118.0				
Log Slope Variation: ± mV/dB	0.46															Max(V)= 156.0				
																Min(V)= 1733.0				
																Max(V)= 1779.0				



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**Graph #1 (cont.)**

**Log Transfer vs Frequency @+25C**





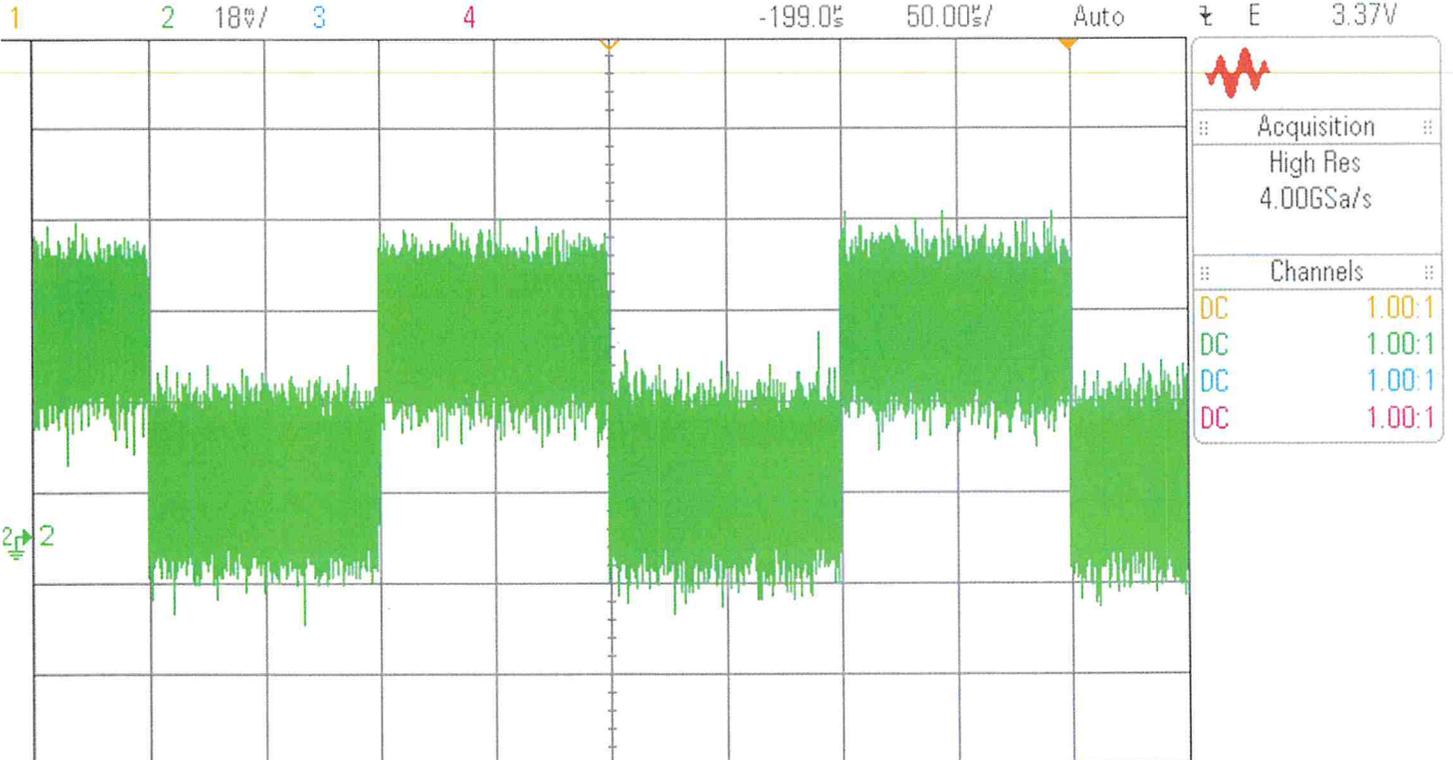
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**Graph #2**

**TSS-70.5 dBm @+25C**

DSO-X 3024A, MY54490369: Tue Apr 30 13:56:02 2024



Acquire Menu

Acq Mode  
High Res

# Apts  
1

Segmented



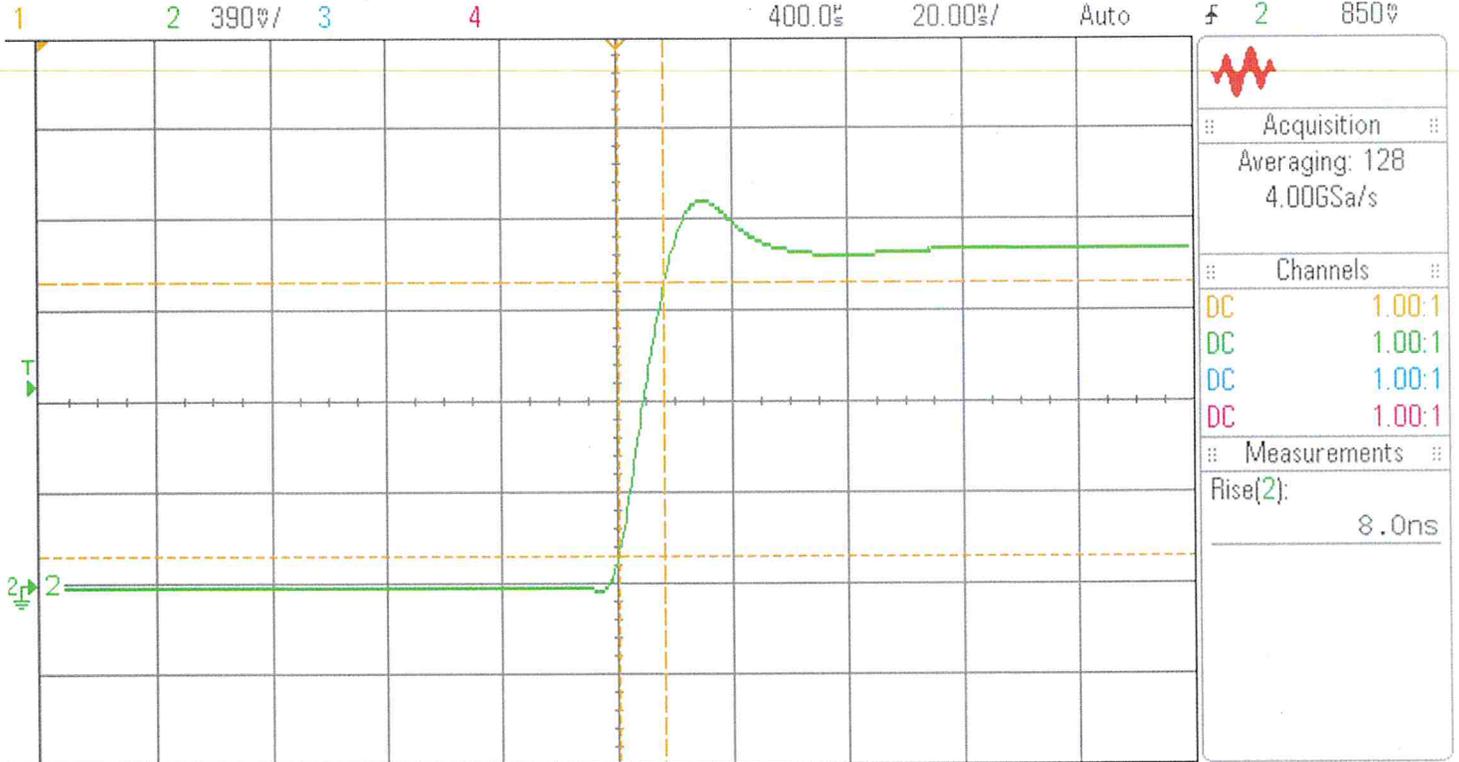
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**Graph #3**

**Rise Time 8.0ns**

DSO-X 3024A, MY54490369: Thu May 02 13:09:02 2024



Trigger Menu



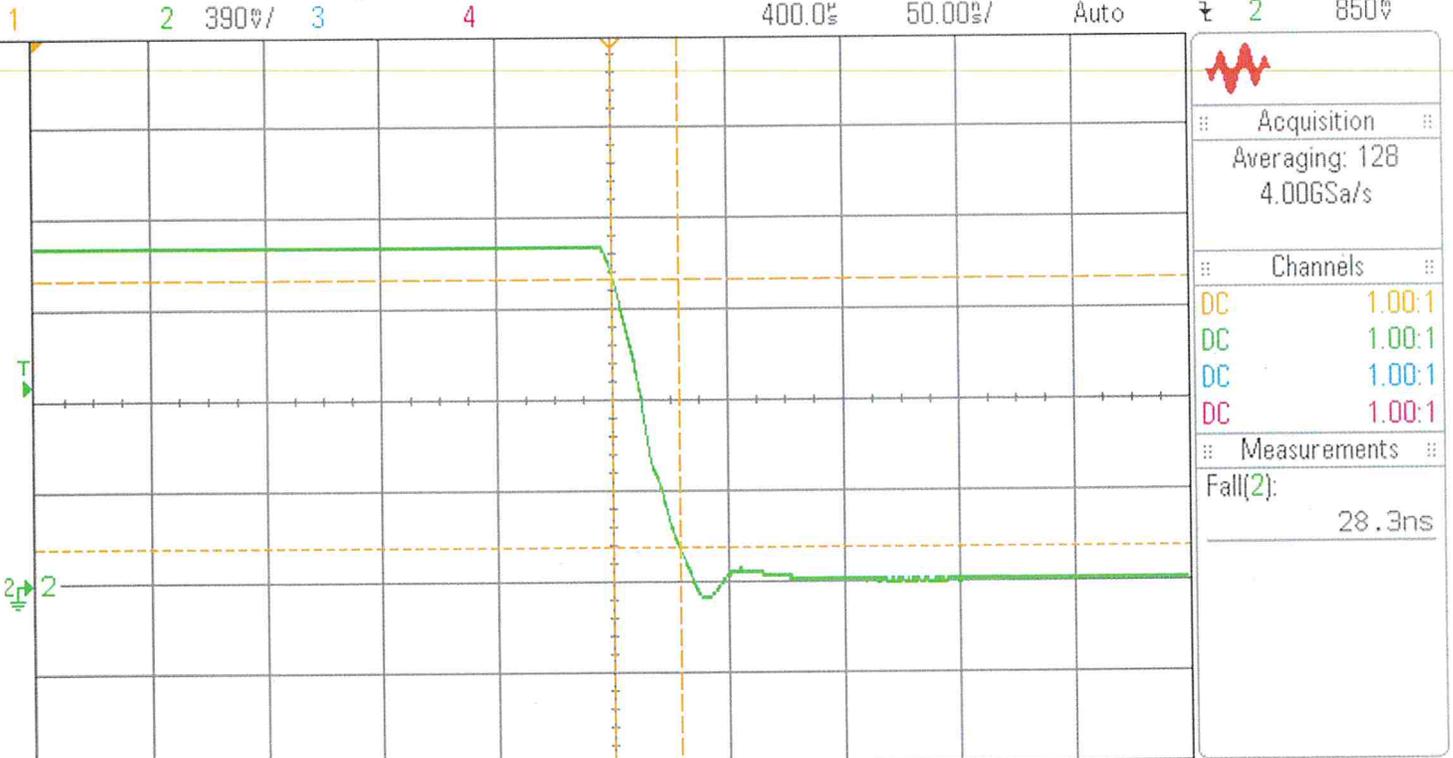
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**Graph #4**

**Recovery Time 28.3ns**

DSO-X 3024A, MY54490369: Thu May 02 13:09:39 2024



Trigger Menu

Trigger Type: Edge Source: 2 Slope:  $\nabla$



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**Graph #5**

**VSWR 2.1:1 @+25C & -20 dBm**

