





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

PL46003/2422

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)	184	302	430	551	675	790	920	1050	1172	1281	1411	1548	1681	1812			
	SLOPE (mV/dB)	8	1	5	1	0	-9	-4	1	-1	-17	-12	1	9	15	Measured Value (mV)	Error (dB)	
		0.32	0.06	0.19	0.04	0.02	-0.37	-0.16	0.06	-0.05	-0.68	-0.46	0.03	0.37	0.62	Error (mV)	MAX	MIN
																LINEARITY ERROR (dB)	0.62	-0.68
23.5 GHz	INTERCEPT (mV)	134	243	367	498	627	764	891	1021	1148	1269	1398	1541	1675	1808			
	SLOPE (mV/dB)	19	-1	-7	-5	-6	2	0	0	-2	-10	-11	3	7	11	Measured Value (mV)	Error (dB)	
		0.74	-0.05	-0.26	-0.20	-0.21	0.08	-0.01	0.01	-0.08	-0.40	-0.42	0.11	0.28	0.42	Error (mV)	MAX	MIN
																LINEARITY ERROR (dB)	0.74	-0.42
29 GHz	INTERCEPT (mV)	119	224	346	473	606	784	919	1049	1170	1283	1411	1544	1679	1811			
	SLOPE (mV/dB)	18	-9	-18	-24	-23	23	27	26	14	-5	-9	-8	-5	-5	Measured Value (mV)	Error (dB)	
		0.68	-0.34	-0.71	-0.90	-0.86	0.89	1.01	0.93	0.52	-0.20	-0.35	-0.31	-0.19	-0.19	Error (mV)	MAX	MIN
																LINEARITY ERROR (dB)	1.01	-0.90
34.5 GHz	INTERCEPT (mV)	166	286	416	545	663	778	906	1037	1162	1281	1393	1515	1647	1780			
	SLOPE (mV/dB)	-1	-5	2	7	2	-7	-2	6	7	3	-9	-10	-1	8	Measured Value (mV)	Error (dB)	
		-0.06	-0.20	0.07	0.30	0.08	-0.26	-0.08	0.23	0.29	0.11	-0.35	-0.41	-0.06	0.33	Error (mV)	MAX	MIN
																LINEARITY ERROR (dB)	0.33	-0.41
40 GHz	INTERCEPT (mV)	175	295	425	557	664	783	919	1056	1177	1298	1406	1526	1660	1797			
	SLOPE (mV/dB)	0	-4	2	-10	-7	-12	0	13	-10	7	-9	-14	-4	9	Measured Value (mV)	Error (dB)	
		0.00	-0.16	0.08	0.40	-0.29	-0.49	-0.01	0.51	0.39	0.27	-0.38	-0.54	-0.14	0.38	Error (mV)	MAX	MIN
																LINEARITY ERROR (dB)	0.51	-0.54
Flatness +/- dB		1.30	1.50	1.70	1.70	1.40	0.60	0.60	0.70	0.60	0.60	0.40	0.70	0.70	0.60			
Max. Video Output (V)		0.18	0.30	0.43	0.56	0.68	0.79	0.92	1.06	1.18	1.30	1.41	1.55	1.68	1.81			
Min. Video Output (V)		0.12	0.22	0.35	0.47	0.61	0.76	0.89	1.02	1.15	1.27	1.39	1.52	1.65	1.78			
Nominal Log Slope mV/dB	25.34	Video Output @ -63dBm														Video Output @ +2dBm		
Log Slope Variation: ± mV/dB	0.85	Min(V)= 119.0														Min(V)= 1780.0		
		Max(V)= 184.0														Max(V)= 1812.0		

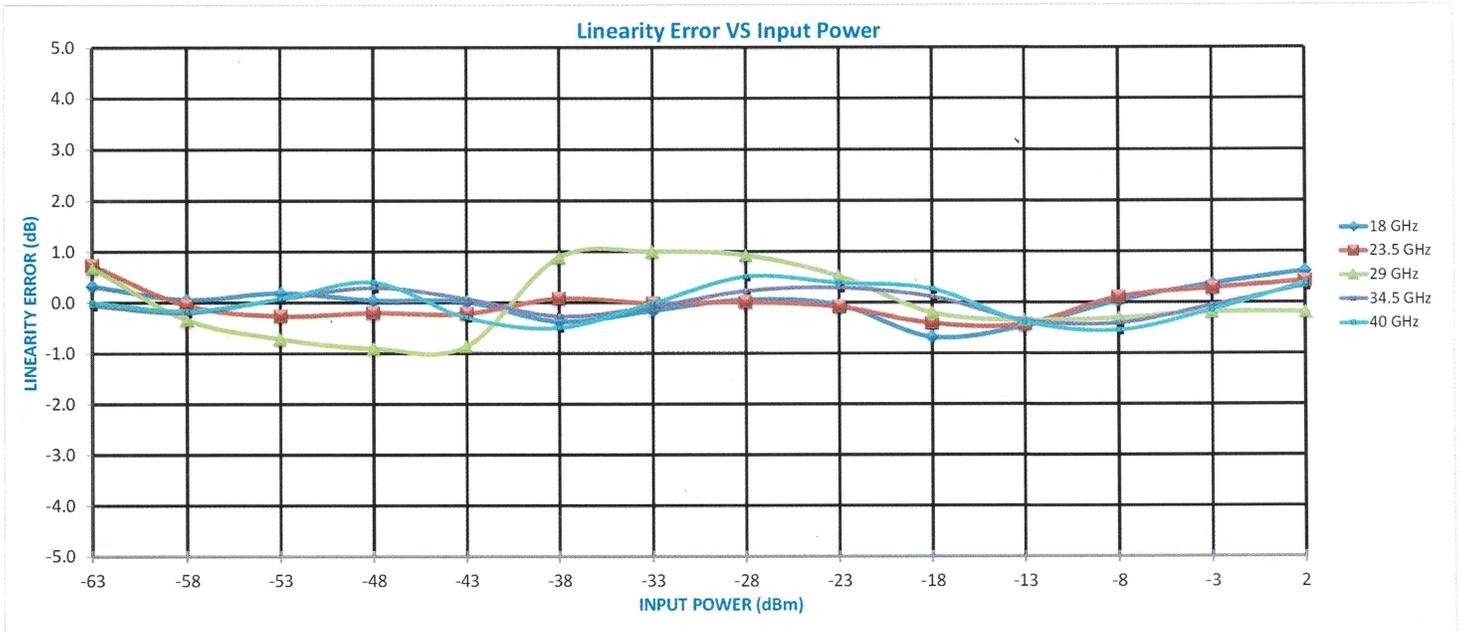


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**Graph #1 (cont.)**

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





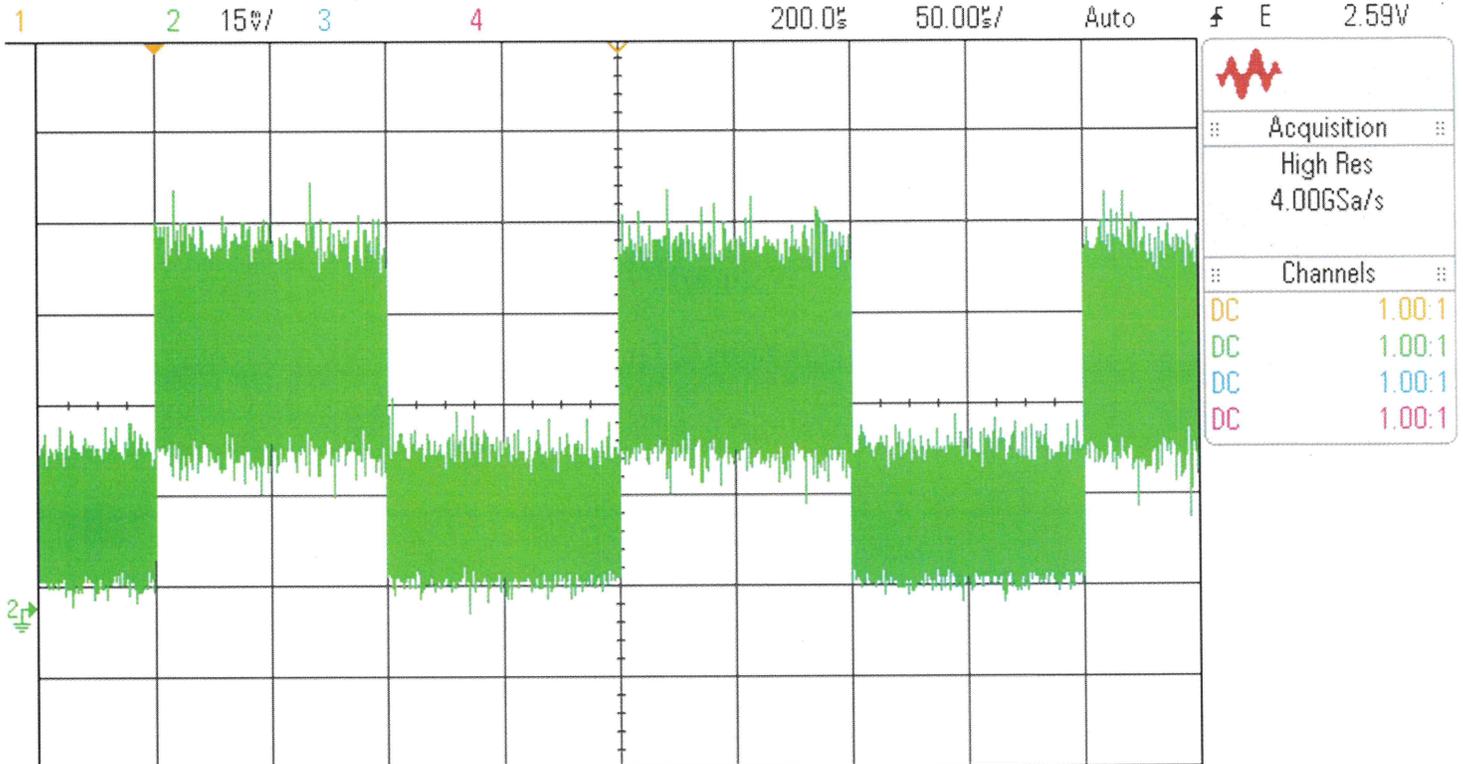
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Graph #2

TSS-72.5 dBm @+25C

DSO-X 3024A, MY54490369: Fri May 24 13:41:41 2024



Acquire Menu

Acq Mode  
High Res

# Avgs  
1

Segmented



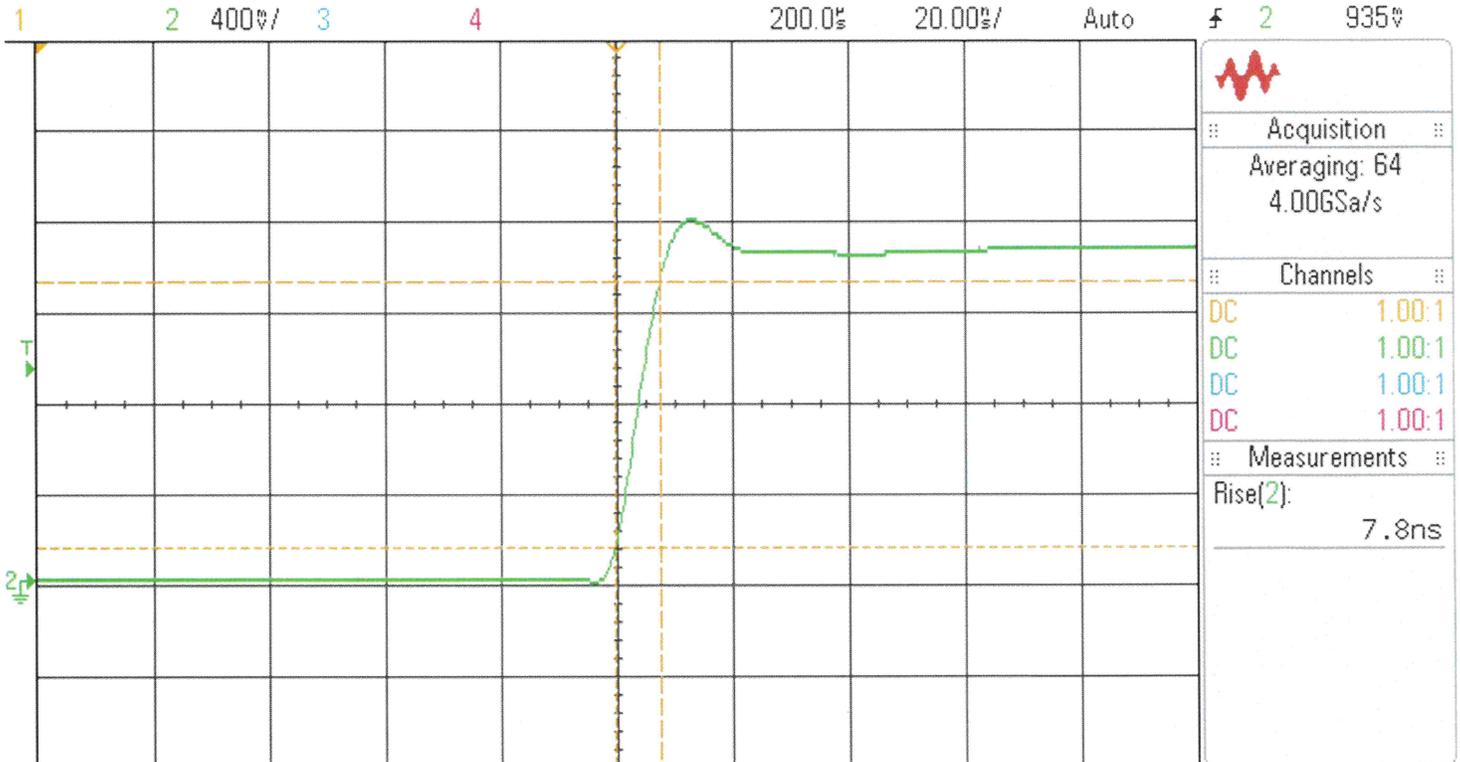
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**Graph #3**

**Rise Time 7.8ns**

DSO-X 3024A, MY54490369: Fri May 24 13:29:54 2024



Trigger Menu



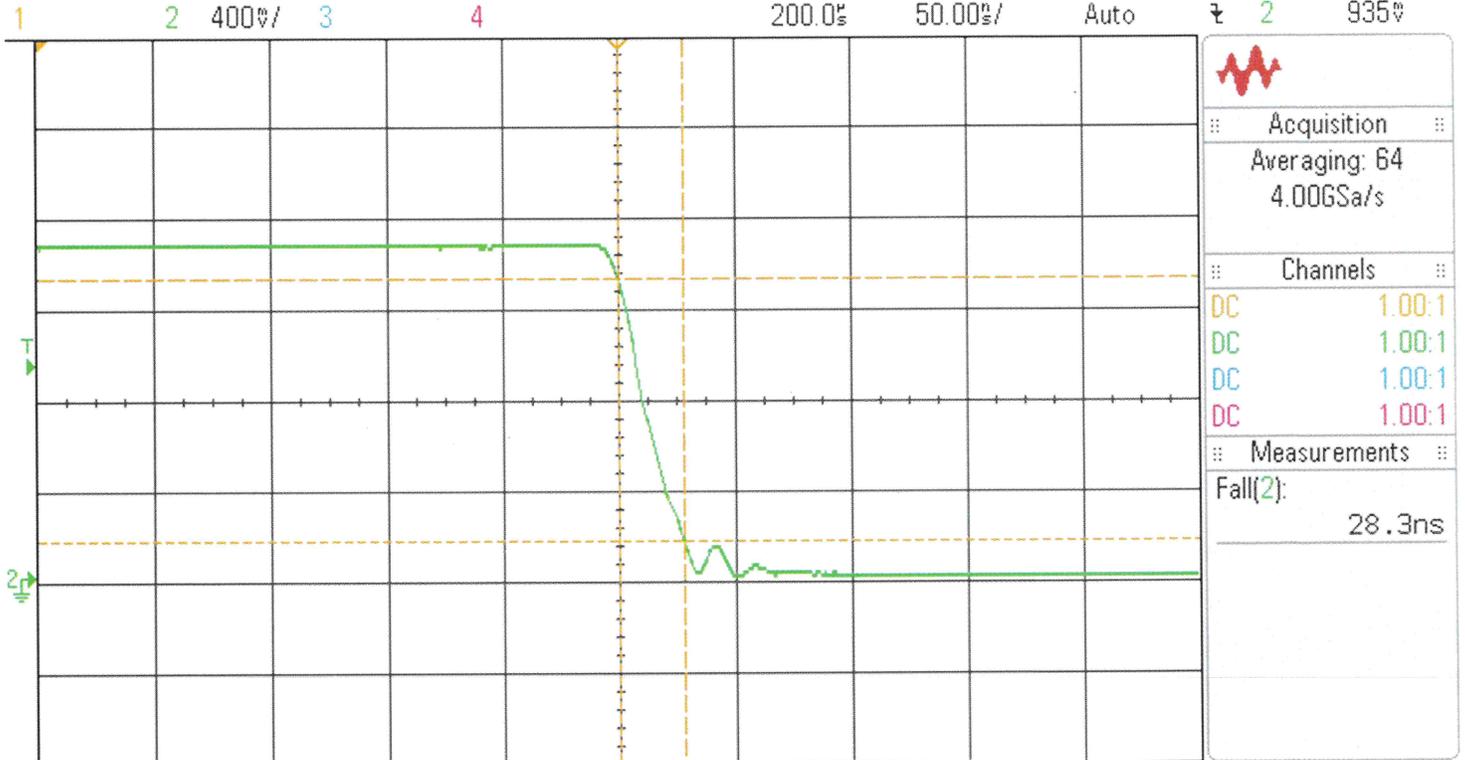
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Graph #4

Recovery Time 28.3ns

DSO-X 3024A, MY54490369: Fri May 24 13:30:40 2024



Trigger Menu

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



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Graph #5

VSWR 2.35:1 @+25C & -20 dBm

