



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

PL46002/2422

Graph #1

Log Transfer vs Frequency @+25C

Frequency																		RF Input Power (dBm)	
18 GHz	INTERCEPT (mV)	1717																	
	SLOPE (mV/dB)	25																	
			152	264	386	504	634	783	903	1030	1155	1273	1393	1512	1636	1758	Measured Value (mV)	Error (dB)	
		7	-6	-9	-15	-10	14	9	12	12	5	0	-5	-6	-9	Error (mV)	MAX	MIN	
		0.28	-0.23	-0.34	-0.61	-0.40	0.57	0.38	0.47	0.48	0.21	0.02	-0.21	-0.24	-0.35	LINEARITY ERROR (dB)	0.57	-0.61	
23.5 GHz	INTERCEPT (mV)	1731																	
	SLOPE (mV/dB)	25.1																	
			154	267	390	517	651	785	904	1027	1160	1276	1411	1531	1655	1775	Measured Value (mV)	Error (dB)	
		8	-5	-8	-7	2	10	3	0	-2	-2	7	1	0	-6	Error (mV)	MAX	MIN	
		0.30	-0.21	-0.32	-0.27	0.06	0.39	0.12	0.01	-0.10	-0.08	0.28	0.06	-0.01	-0.24	LINEARITY ERROR (dB)	0.39	-0.32	
29 GHz	INTERCEPT (mV)	1717																	
	SLOPE (mV/dB)	25.1																	
			138	250	372	496	632	781	900	1026	1150	1271	1392	1508	1633	1756	Measured Value (mV)	Error (dB)	
		4	-9	-13	-15	-4	19	12	13	11	7	2	-8	-8	-11	Error (mV)	MAX	MIN	
		0.17	-0.37	-0.51	-0.58	-0.17	0.76	0.50	0.51	0.44	0.26	0.07	-0.31	-0.34	-0.44	LINEARITY ERROR (dB)	0.76	-0.58	
34.5 GHz	INTERCEPT (mV)	1688																	
	SLOPE (mV/dB)	24.5																	
			157	273	397	521	632	753	866	989	1114	1240	1374	1498	1623	1748	Measured Value (mV)	Error (dB)	
		10	4	6	7	-4	-5	-15	-14	-11	-8	4	6	8	11	Error (mV)	MAX	MIN	
		0.42	0.16	0.23	0.30	-0.16	-0.22	-0.60	-0.57	-0.46	-0.31	0.17	0.23	0.34	0.45	LINEARITY ERROR (dB)	0.45	-0.60	
40 GHz	INTERCEPT (mV)	1704																	
	SLOPE (mV/dB)	24.7																	
			157	271	395	525	634	765	889	1015	1136	1265	1386	1503	1629	1754	Measured Value (mV)	Error (dB)	
		7	-3	-2	5	-10	-2	-1	2	-1	5	3	-3	-1	1	Error (mV)	MAX	MIN	
		0.27	-0.11	-0.08	0.19	-0.39	-0.07	-0.04	0.07	-0.03	0.21	0.11	-0.14	-0.03	0.04	LINEARITY ERROR (dB)	0.27	-0.39	
Flatness +/- dB	0.40	0.50	0.50	0.60	0.40	0.60	0.80	0.80	0.80	0.70	0.70	0.70	0.60	0.50					
Max. Video Output (V)	0.16	0.27	0.40	0.53	0.65	0.79	0.90	1.03	1.16	1.28	1.41	1.53	1.66	1.78					
Min. Video Output (V)	0.14	0.25	0.37	0.50	0.63	0.75	0.87	0.99	1.11	1.24	1.37	1.50	1.62	1.75					
Nominal Log Slope mV/dB	24.87	Video Output @ -63dBm														Video Output @ +2dBm			
Log Slope Variation: ± mV/dB	0.34	Min(V)= 138.0														Min(V)= 1748.0			
		Max(V)= 157.0														Max(V)= 1775.0			

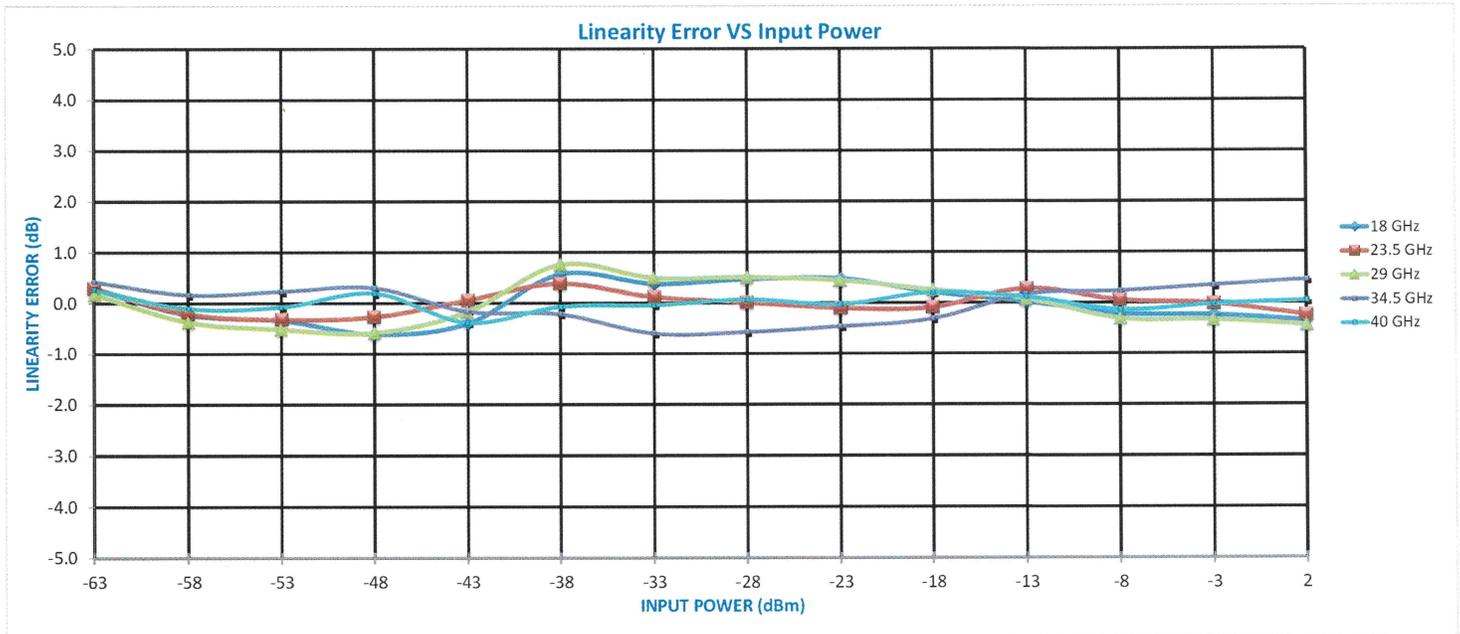


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Graph #1 (cont.)

Log Transfer vs Frequency @+25C





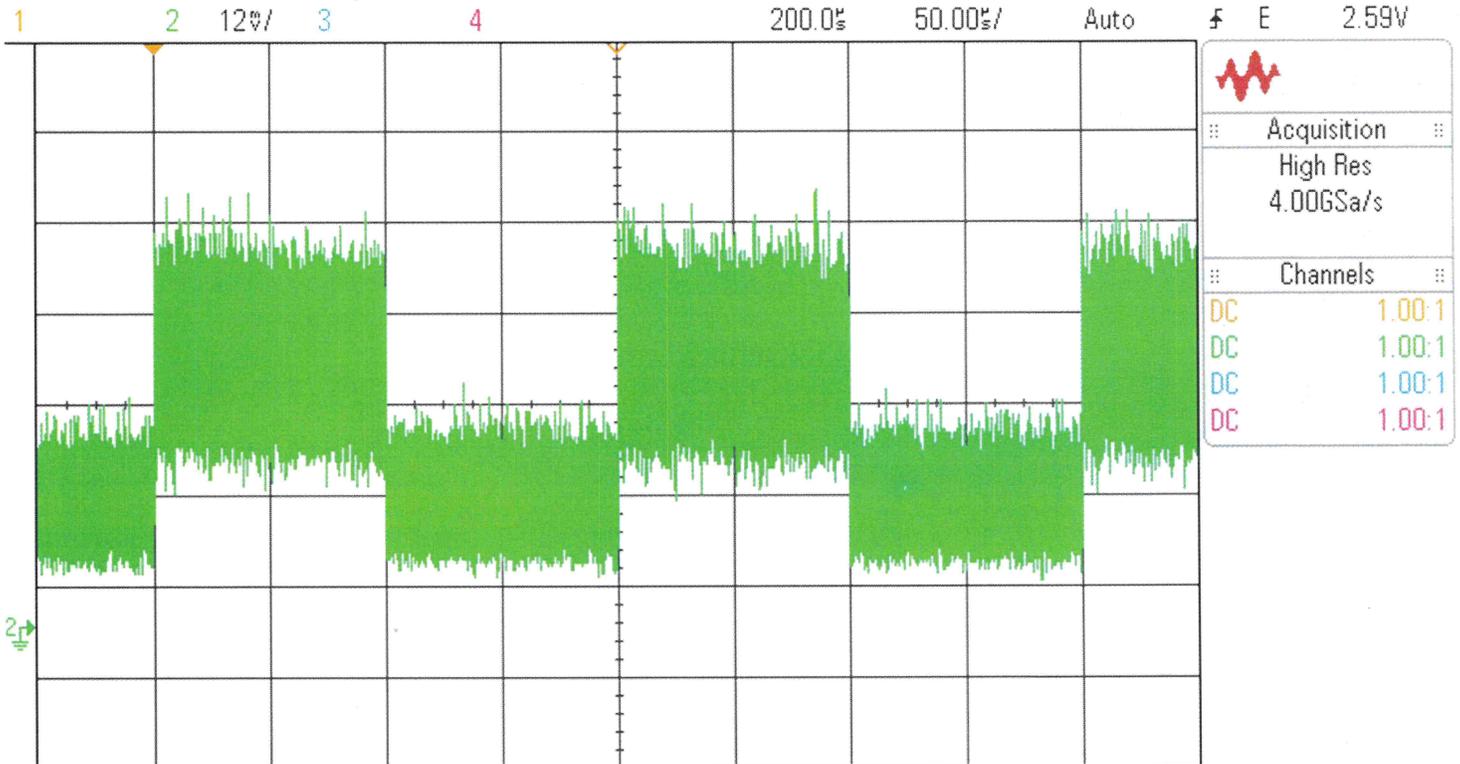
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Graph #2

TSS-71.0 dBm @+25C

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



Acquire Menu

Acq Mode
High Res

Avgs
1

Segmented



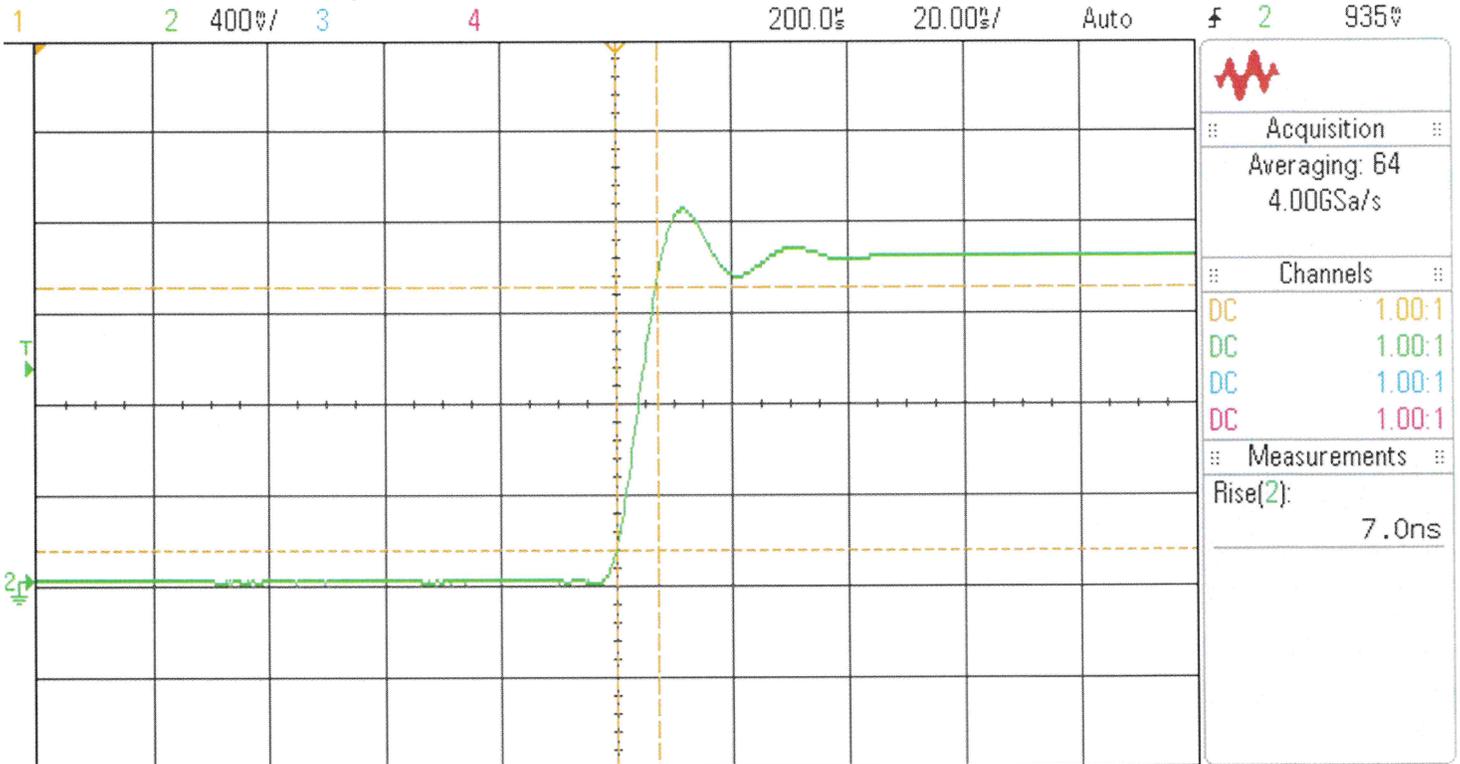
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Graph #3

Rise Time 7.0ns

DSO-X 3024A, MY54490369: Fri May 24 13:28:53 2024



Trigger Menu



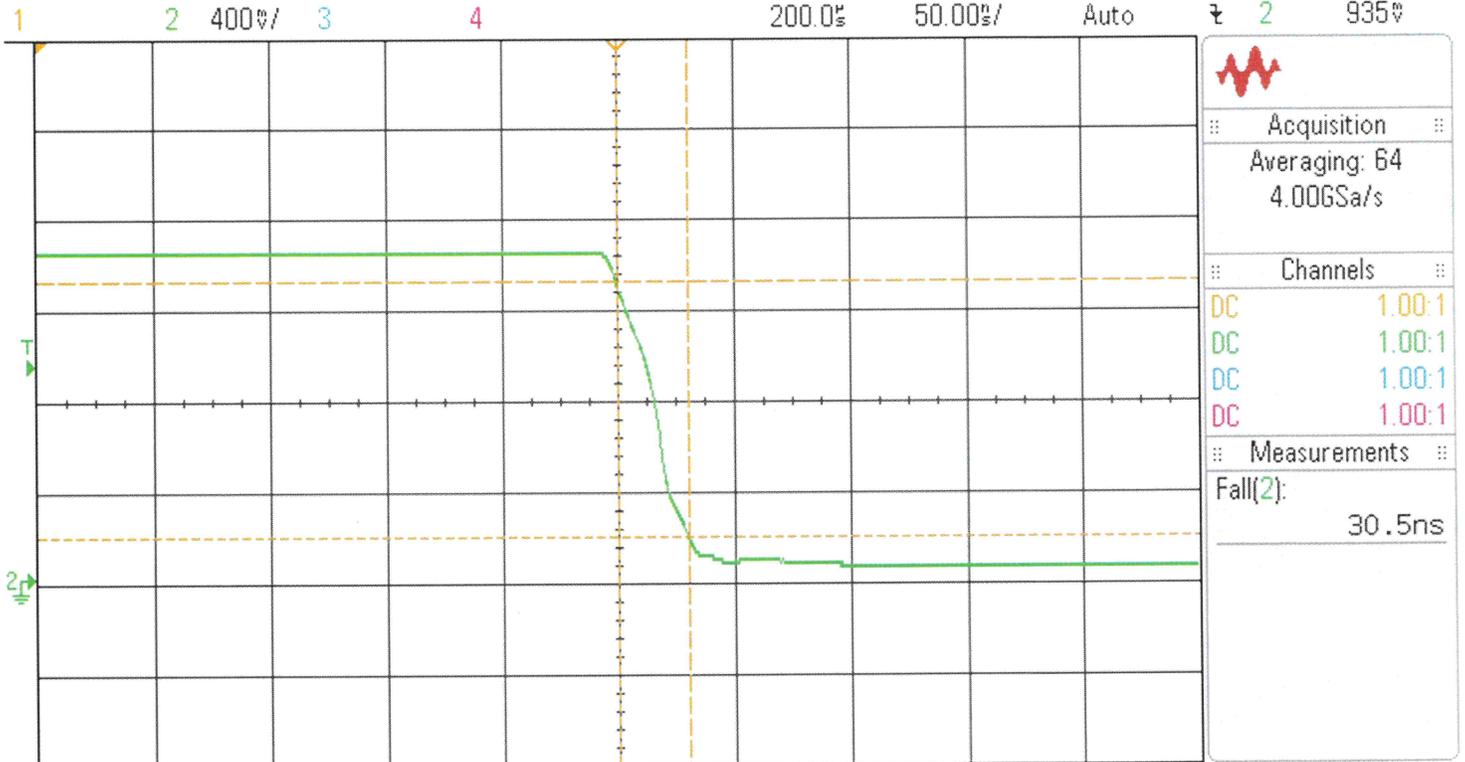
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Graph #4

Recovery Time 30.5ns

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Trigger Menu

Trigger Type: Edge
Source: 2
Slope: \uparrow



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Graph #5

VSWR 2.2:1 @+25C & -20 dBm

