





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

PL45720/2420

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)	1782															Measured Value (mV)		Error (dB)		
	SLOPE (mV/dB)	25.8	159	265	391	526	674	824	954	1077	1197	1320	1448	1571	1696	1814	Error (mV)	MAX	MIN		
			5	-18	-21	-16	3	24	25	18	9	3	2	-5	-9	-20	LINEARITY ERROR (dB)	0.95	-0.83		
			0.19	-0.70	-0.83	-0.61	0.12	0.92	0.95	0.71	0.35	0.11	0.06	-0.18	-0.34	-0.77					
23.5 GHz	INTERCEPT (mV)	1754															Measured Value (mV)		Error (dB)		
	SLOPE (mV/dB)	25.2	172	283	409	544	685	812	926	1051	1174	1296	1429	1551	1677	1801	Error (mV)	MAX	MIN		
			3	-11	-11	-2	13	14	2	2	-1	-5	2	-2	-1	-3	LINEARITY ERROR (dB)	0.57	-0.45		
			0.14	-0.45	-0.45	-0.08	0.52	0.57	0.10	0.07	-0.05	-0.20	0.09	-0.07	-0.06	-0.13					
29 GHz	INTERCEPT (mV)	1751															Measured Value (mV)		Error (dB)		
	SLOPE (mV/dB)	25.8	165	262	384	513	652	773	865	988	1122	1267	1448	1570	1690	1811	Error (mV)	MAX	MIN		
			29	7	0	0	10	2	-36	-41	-36	-20	32	25	16	8	LINEARITY ERROR (dB)	1.25	-1.58		
			1.14	0.28	0.01	0.01	0.40	0.09	-1.35	-1.58	-1.39	-0.77	1.25	0.98	0.63	0.32					
34.5 GHz	INTERCEPT (mV)	1723															Measured Value (mV)		Error (dB)		
	SLOPE (mV/dB)	24.2	191	306	434	569	707	811	923	1048	1179	1308	1397	1514	1643	1772	Error (mV)	MAX	MIN		
			-9	-15	-8	6	23	6	-2	2	12	20	-12	-16	-8	0	LINEARITY ERROR (dB)	0.97	-0.66		
			-0.37	-0.62	-0.32	0.26	0.97	0.27	-0.10	0.07	0.49	0.82	-0.50	-0.66	-0.32	0.01					
40 GHz	INTERCEPT (mV)	1755															Measured Value (mV)		Error (dB)		
	SLOPE (mV/dB)	25.4	158	265	389	533	680	803	919	1051	1180	1318	1422	1540	1669	1799	Error (mV)	MAX	MIN		
			3	-17	-20	-3	17	13	2	7	9	20	-3	-12	-10	-7	LINEARITY ERROR (dB)	0.78	-0.77		
			0.14	-0.65	-0.77	-0.11	0.68	0.52	0.08	0.28	0.35	0.78	-0.12	-0.48	-0.40	-0.29					
Flatness +/- dB		0.70	0.90	1.00	1.10	1.10	1.00	1.80	1.80	1.50	1.00	1.00	1.10	1.00	0.80						
Max. Video Output (V)		0.19	0.31	0.43	0.57	0.71	0.82	0.95	1.08	1.20	1.32	1.45	1.57	1.70	1.81						
Min. Video Output (V)		0.16	0.26	0.38	0.51	0.65	0.77	0.87	0.99	1.12	1.27	1.40	1.51	1.64	1.77						
Nominal Log Slope mV/dB		25.28																Video Output @ -63dBm		Video Output @ +2dBm	
Log Slope Variation: ± mV/dB		0.83																Min(V)= 155.0		Min(V)= 1772.0	
																		Max(V)= 191.0		Max(V)= 1814.0	

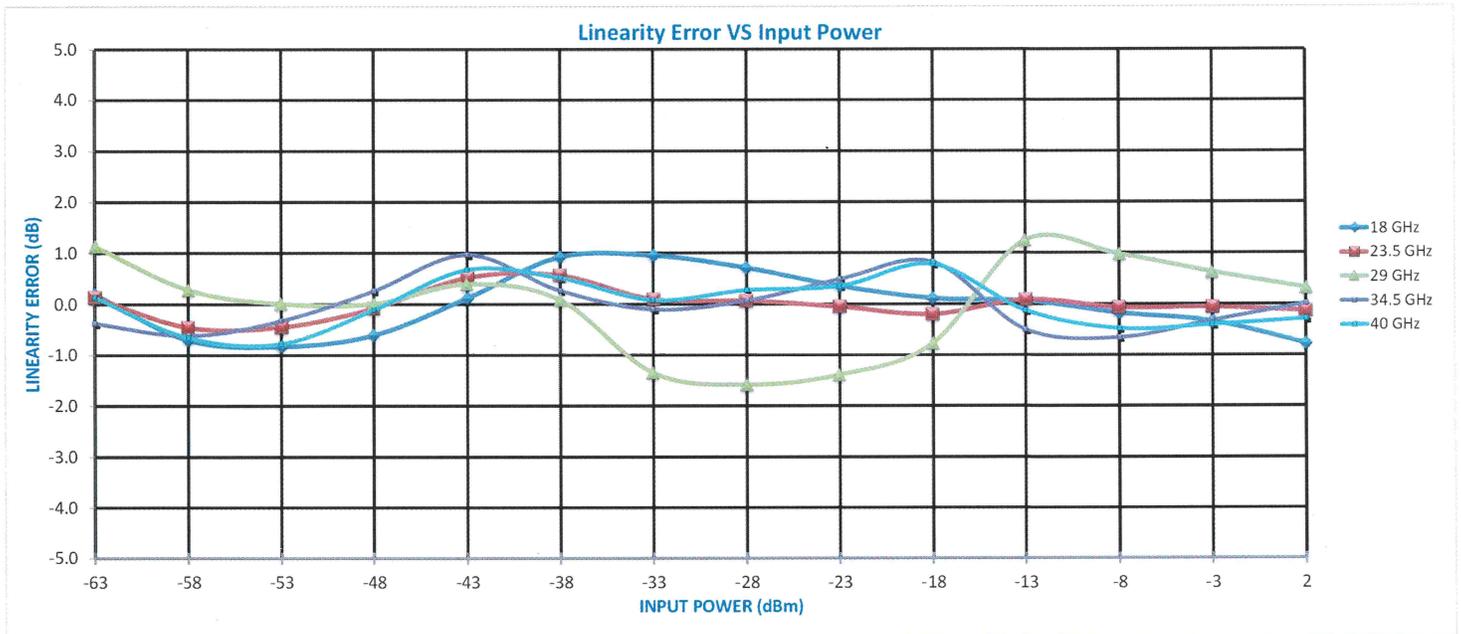


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**Graph #1 (cont.)**

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





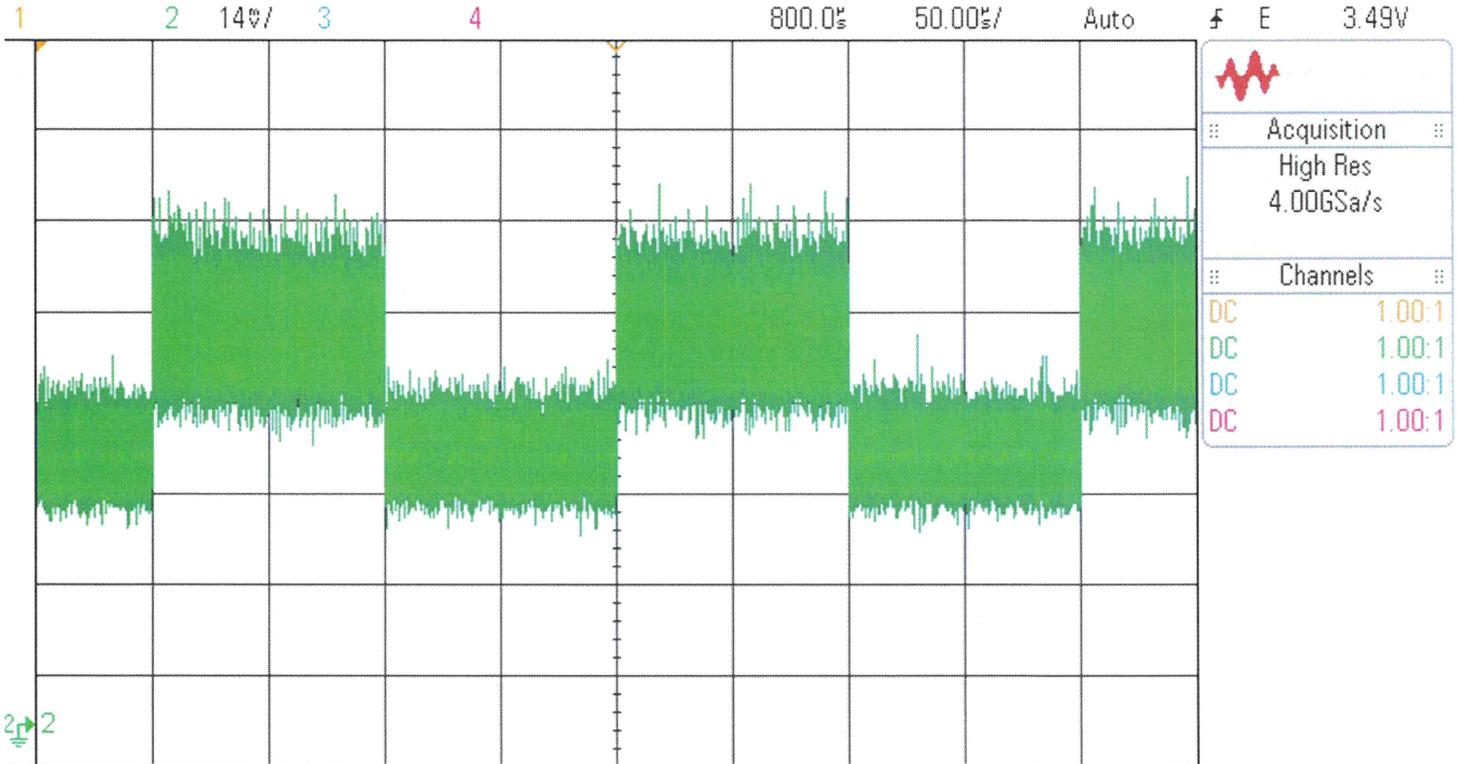
SUMMARY TEST DATA  
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Graph #2

TSS-71.5 dBm @+25C

DSO-X 3024A, MY54490369: Tue May 14 13:42:39 2024



Acquire Menu

Acq Mode  
High Res

# Avgs  
1

Segmented



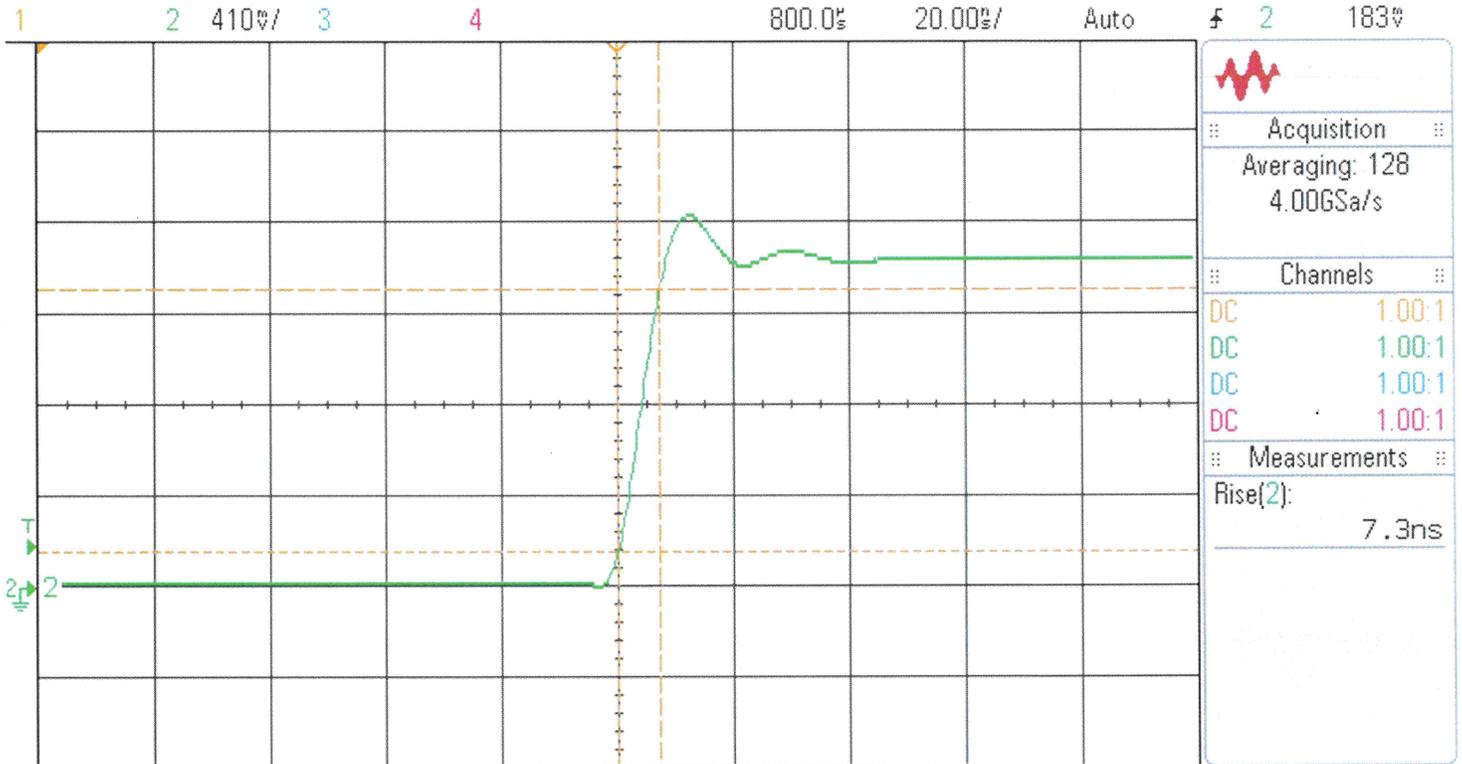
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Graph #3

Rise Time 7.3ns

DSO-X 3024A, MY54490369: Tue May 14 13:23:17 2024



Trigger Menu

Trigger Type: Edge  
Source: 2  
Slope: f



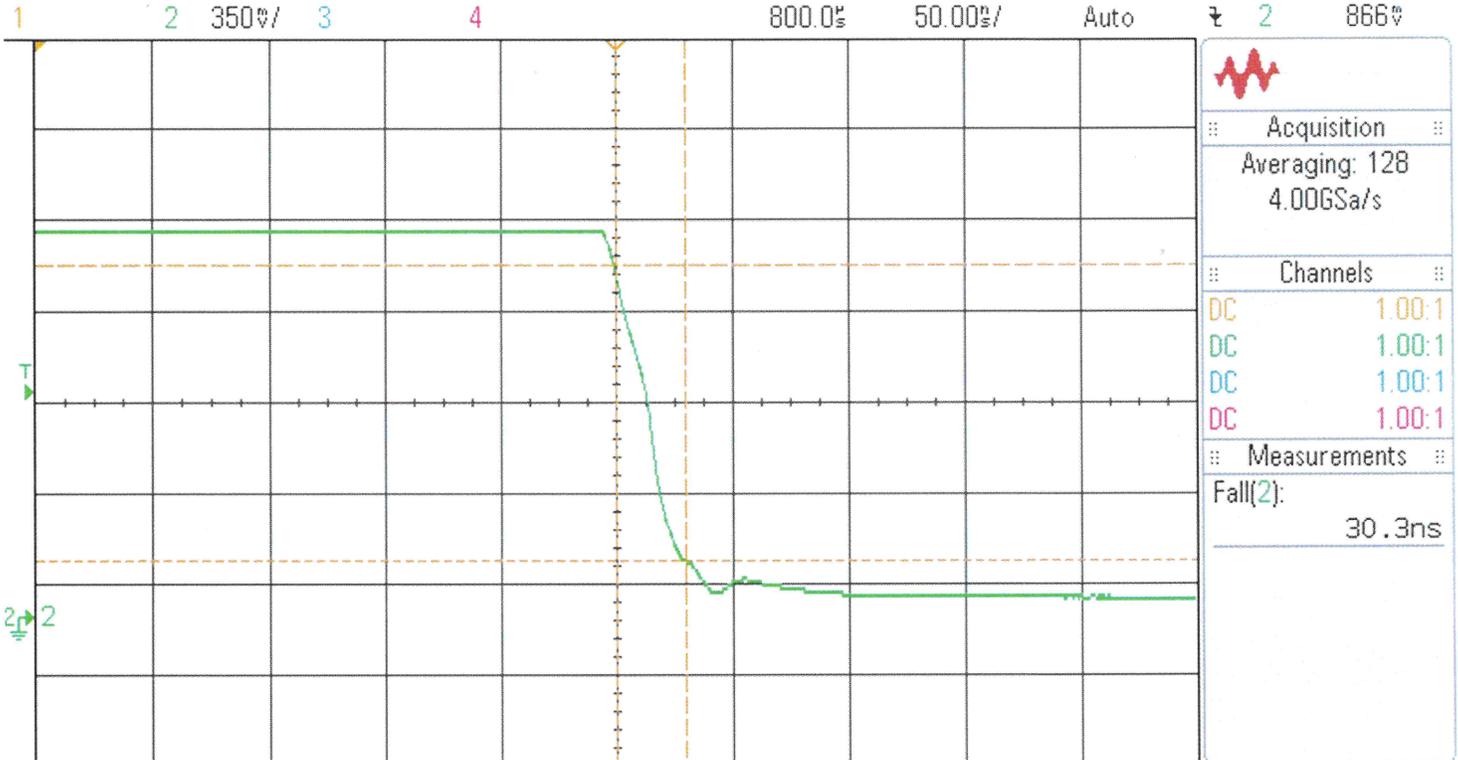
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Graph #4

Recovery Time 30.3ns

DSO-X 3024A, MY54490369: Tue May 14 13:40:26 2024



Trigger Menu

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



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**Graph #5**

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

