



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

PL45418/2418

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)	1674															Measured Value (mV)	Error (dB)	
	SLOPE (mV/dB)	24.8															Error (mV)	MAX	MIN
			129	226	339	455	604	742	864	989	1111	1236	1348	1471	1597	1715	LINEARITY ERROR (dB)	0.82	-1.06
		20	-7	-18	-26	-2	12	10	11	8	9	-3	-4	-2	-9				
		0.82	-0.27	-0.73	-1.06	-0.06	0.49	0.40	0.43	0.34	0.37	-0.12	-0.17	-0.10	-0.36				
23.5 GHz	INTERCEPT (mV)	1661															Measured Value (mV)	Error (dB)	
	SLOPE (mV/dB)	24.2															Error (mV)	MAX	MIN
			163	269	380	492	621	726	844	970	1096	1227	1348	1474	1599	1720	LINEARITY ERROR (dB)	1.03	-0.79
		25	10	0	-9	0	-16	-19	-14	-9	1	2	7	11	11				
		1.03	0.42	0.01	-0.36	-0.02	-0.67	-0.79	-0.58	-0.36	0.06	0.07	0.28	0.45	0.46				
29 GHz	INTERCEPT (mV)	1669															Measured Value (mV)	Error (dB)	
	SLOPE (mV/dB)	25.2															Error (mV)	MAX	MIN
			106	204	319	437	568	719	844	973	1101	1231	1340	1463	1589	1711	LINEARITY ERROR (dB)	0.97	-0.89
		24	-4	-15	-23	-17	8	7	10	12	16	-1	-4	-4	-8				
		0.97	-0.14	-0.58	-0.89	-0.69	0.30	0.26	0.38	0.47	0.63	-0.05	-0.16	-0.16	-0.32				
34.5 GHz	INTERCEPT (mV)	1619															Measured Value (mV)	Error (dB)	
	SLOPE (mV/dB)	23.5															Error (mV)	MAX	MIN
			150	256	370	484	602	716	836	963	1093	1223	1300	1421	1546	1669	LINEARITY ERROR (dB)	1.15	-0.57
		12	0	-3	-7	-6	-10	-7	2	15	27	-13	-10	-2	3				
		0.50	0.01	-0.14	-0.29	-0.27	-0.42	-0.31	0.09	0.62	1.15	-0.57	-0.42	-0.10	0.13				
40 GHz	INTERCEPT (mV)	1641															Measured Value (mV)	Error (dB)	
	SLOPE (mV/dB)	24.1															Error (mV)	MAX	MIN
			148	254	369	492	603	702	821	951	1079	1222	1329	1450	1577	1705	LINEARITY ERROR (dB)	0.94	-1.09
		23	8	3	6	-4	-25	-26	-16	-9	14	1	1	8	16				
		0.94	0.35	0.13	0.24	-0.15	-1.03	-1.09	-0.68	-0.36	0.58	0.03	0.06	0.33	0.65				
Flatness +/- dB		1.20	1.30	1.30	1.10	1.10	0.80	0.90	0.80	0.70	0.30	1.00	1.10	1.10	1.00				
Max. Video Output (V)		0.16	0.27	0.38	0.49	0.62	0.74	0.86	0.99	1.11	1.24	1.35	1.47	1.60	1.72				
Min. Video Output (V)		0.11	0.20	0.32	0.44	0.57	0.70	0.82	0.95	1.08	1.22	1.30	1.42	1.55	1.67				
Nominal Log Slope mV/dB	24.35															Video Output @ -63dBm			
Log Slope Variation: ± mV/dB	0.84															Min(V)= 106.0			
																Max(V)= 163.0			
																Video Output @ +2dBm			
																Min(V)= 1669.0			
																Max(V)= 1720.0			

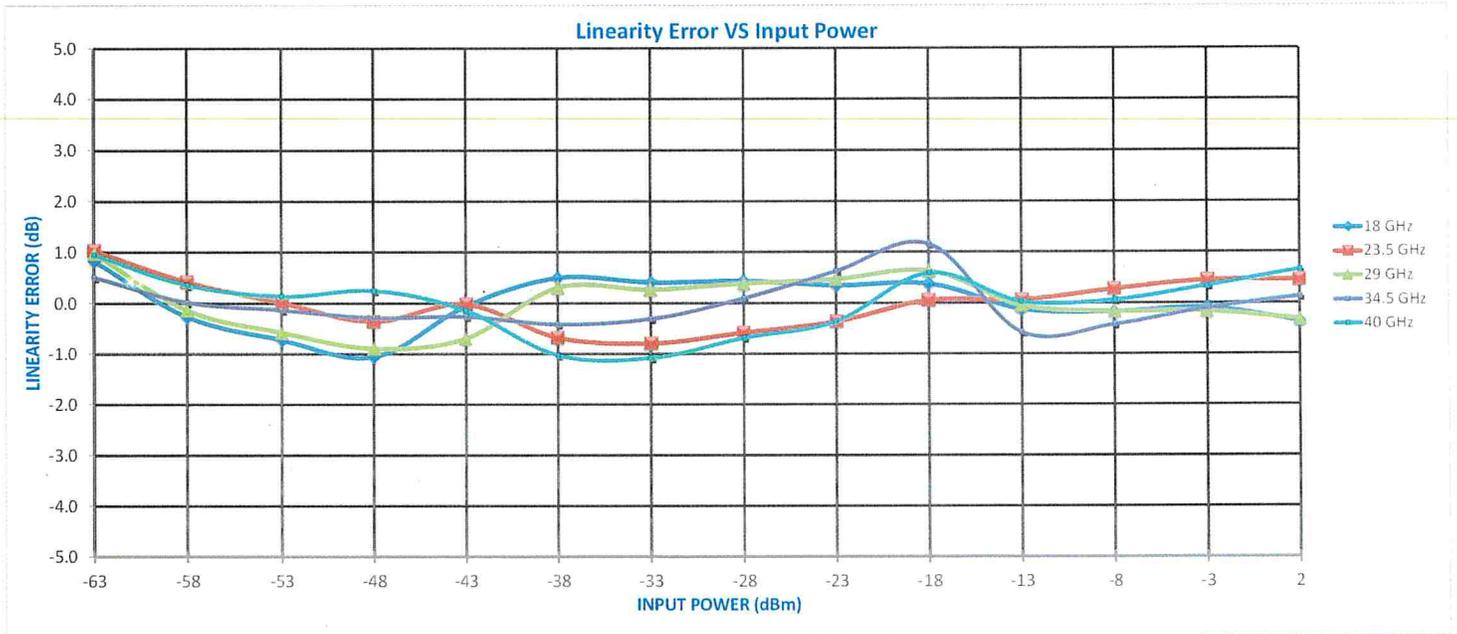


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Graph #1 (cont.)

Log Transfer vs Frequency @+25C





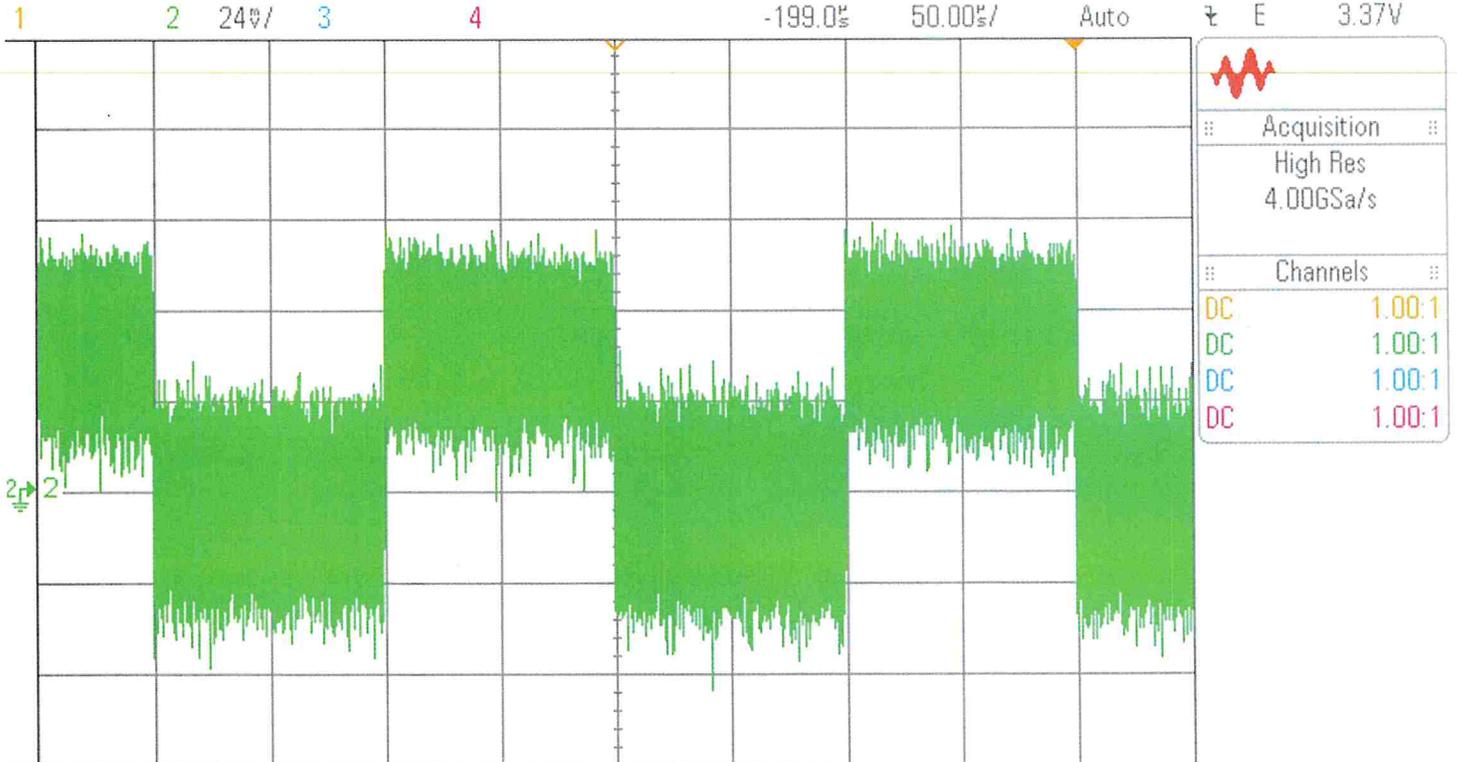
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Graph #2

TSS-70 dBm @+25C

DSO-X 3024A, MY54490369: Tue Apr 30 13:54:18 2024



Acquire Menu

Acq Mode
High Res

Avgs
1

Segmented



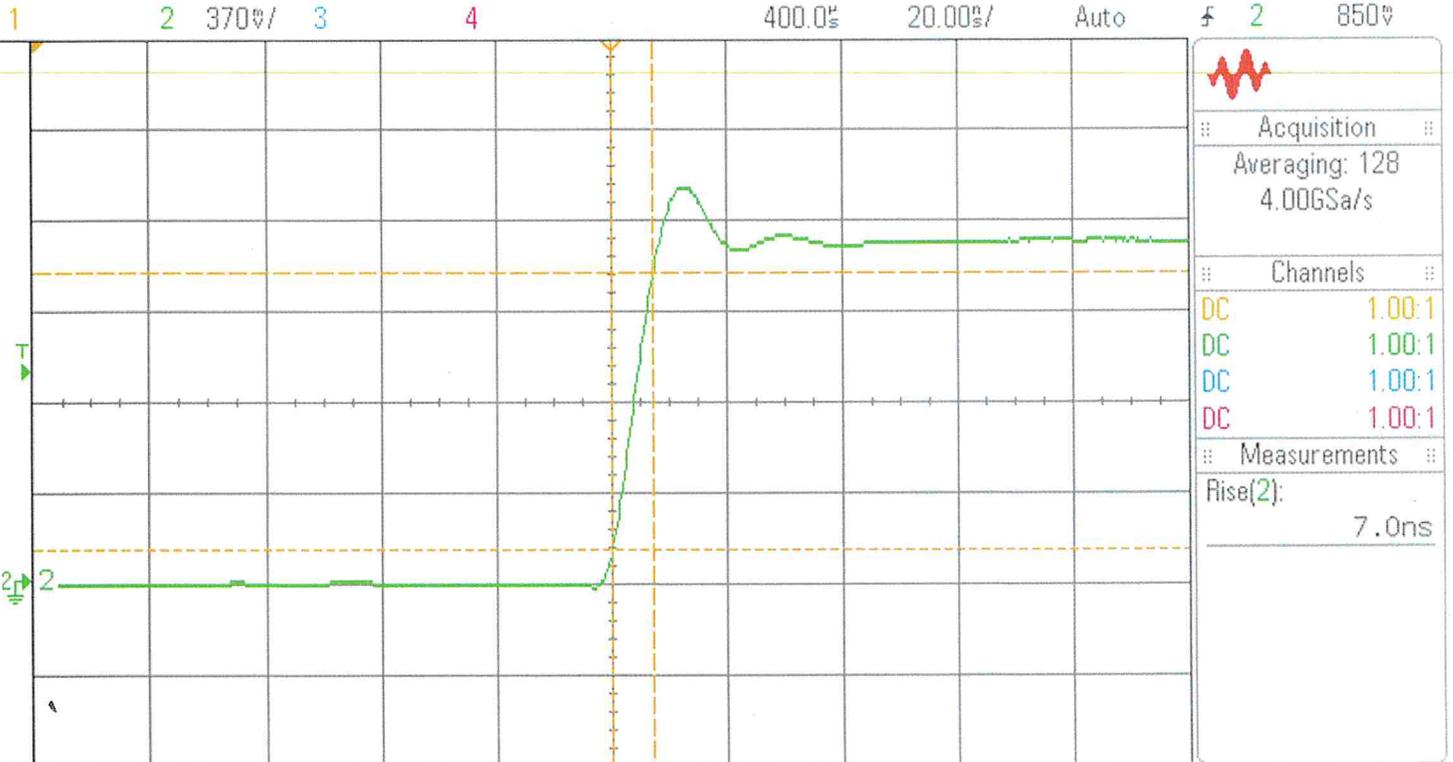
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Graph #3

Rise Time 7.0ns

DSO-X 3024A, MY54490369: Thu May 02 13:17:20 2024



Trigger Menu

Trigger Type: Edge Source: 2 Slope: f



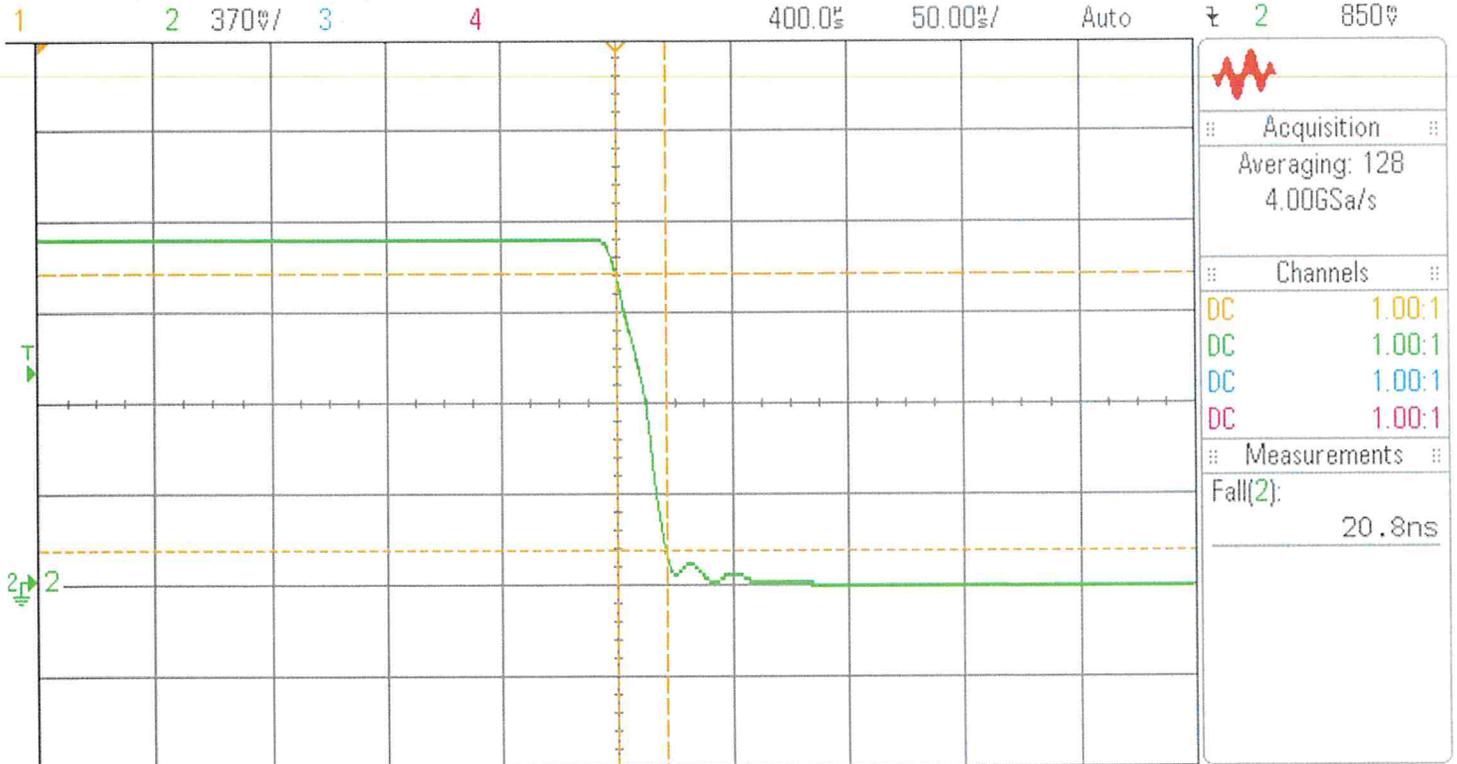
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Graph #4

Recovery Time 20.8ns

DSO-X 3024A, MY54490369: Thu May 02 13:17:50 2024



Trigger Menu

Trigger Type: Edge Source: 2 Slope: ∇



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Graph #5

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

