



# Tabulated Transfer Data @ 25C

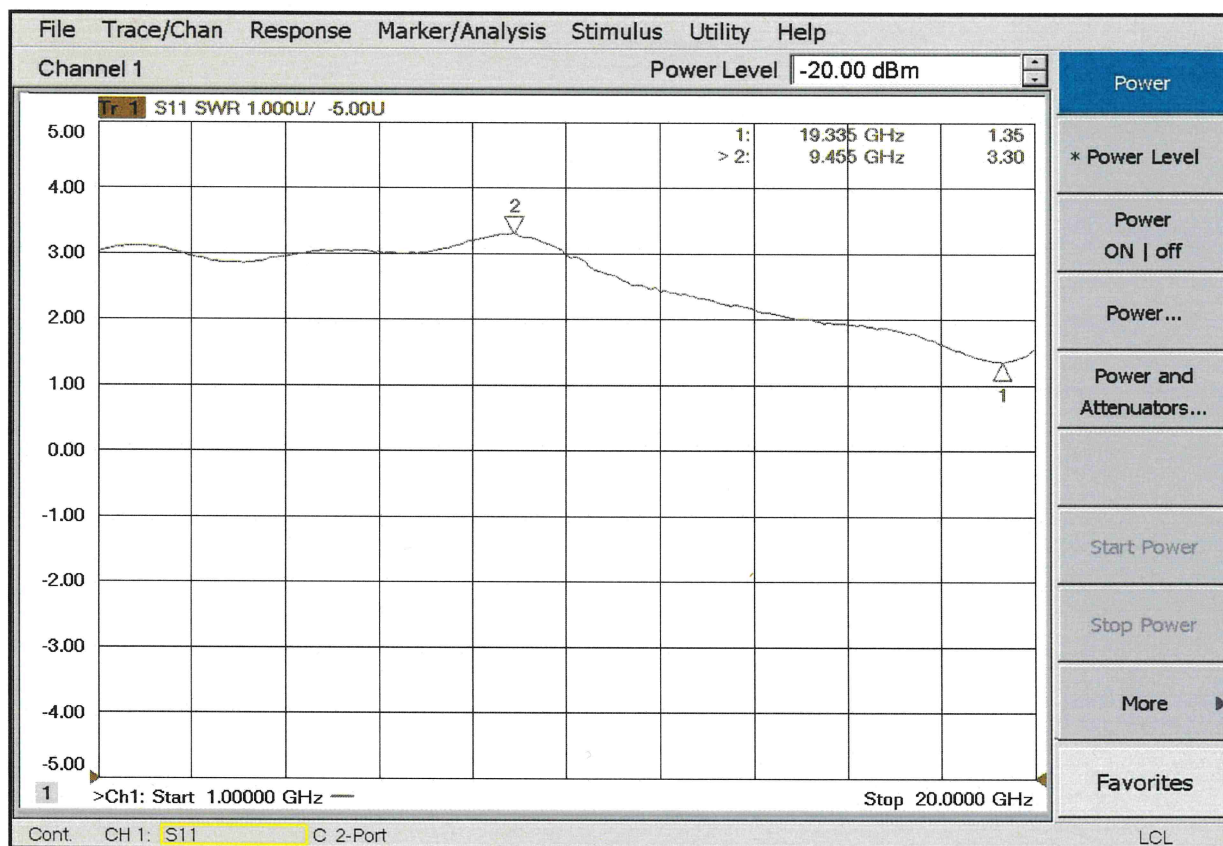
LOG TRANSFER WITH FREQUENCY  
 MODEL: SDLVA-1G20G-55-12-SFF-100MV  
 TESTED BY: FCC  
 DATE: 3-17-25  
 SERIAL NO: PL51765  
 Test Temp: +25C  
 Output Offset(V)= 0.106



Frequency		-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-6	0	5	RF Input Power (dBm)
1 GHz	INTERCEPT (mV)	5173													
	SLOPE (mV/dB)	95.3													
		217	410	777	1263	1795	2337	2891	3420	3924	4358	4680	4843	4887	Measured Value (mV)
		284	1	-108	-99	-43	22	100	163	180	136	-17	-330	-762	Error (mV)
		2.98	0.01	-1.14	-1.04	-0.45	0.24	1.05	1.60	1.89	1.45	-0.17	-3.46	-8.00	LINEARITY ERROR (dB)
															-3.46   1.89
4.17 GHz	INTERCEPT (mV)	5178													
	SLOPE (mV/dB)	94.9													
		226	417	782	1280	1846	2387	2939	3466	3942	4368	4670	4835	4880	Measured Value (mV)
		265	-18	-127	-104	-13	55	133	175	187	139	-34	-343	-772	Error (mV)
		2.80	-0.19	-1.34	-1.09	-0.14	0.58	1.40	1.85	1.97	1.46	-0.35	-3.61	-8.14	LINEARITY ERROR (dB)
															-3.61   1.97
7.33 GHz	INTERCEPT (mV)	5141													
	SLOPE (mV/dB)	93.7													
		230	428	787	1287	1852	2368	2905	3421	3891	4320	4631	4817	4860	Measured Value (mV)
		244	-26	-136	-105	-8	39	108	155	156	117	-41	-324	-749	Error (mV)
		2.61	-0.28	-1.45	-1.12	-0.09	0.42	1.16	1.65	1.67	1.24	-0.44	-3.45	-7.99	LINEARITY ERROR (dB)
															-3.46   1.67
10.5 GHz	INTERCEPT (mV)	5073													
	SLOPE (mV/dB)	91.6													
		248	466	847	1344	1888	2383	2888	3389	3836	4267	4614	4789	4841	Measured Value (mV)
		210	-30	-106	-67	19	56	104	147	136	109	-2	-284	-680	Error (mV)
		2.29	-0.32	-1.16	-0.73	0.21	0.61	1.13	1.60	1.49	1.19	-0.02	-3.11	-7.54	LINEARITY ERROR (dB)
															-3.11   1.60
13.08 GHz	INTERCEPT (mV)	5043													
	SLOPE (mV/dB)	89.3													
		272	521	950	1442	1944	2414	2912	3404	3865	4286	4583	4763	4851	Measured Value (mV)
		139	-58	-78	-30	26	49	101	145	181	135	-14	-280	-638	Error (mV)
		1.56	-0.65	-0.85	-0.34	0.29	0.55	1.13	1.64	1.80	1.52	-0.16	-3.14	-7.15	LINEARITY ERROR (dB)
															-3.14   1.80
16.83 GHz	INTERCEPT (mV)	5039													
	SLOPE (mV/dB)	89.2													
		277	531	962	1439	1939	2395	2900	3399	3837	4271	4581	4789	4822	Measured Value (mV)
		143	-48	-83	-32	22	32	91	134	136	124	-12	-250	-663	Error (mV)
		1.61	-0.54	-0.71	-0.36	0.24	0.36	1.02	1.50	1.53	1.39	-0.13	-2.60	-7.43	LINEARITY ERROR (dB)
															-2.80   1.53
20 GHz	INTERCEPT (mV)	4961													
	SLOPE (mV/dB)	89.5													
		250	470	872	1332	1820	2283	2789	3295	3714	4167	4498	4756	4841	Measured Value (mV)
		213	-15	-61	-48	-8	7	66	124	96	101	-16	-205	-568	Error (mV)
		2.37	-0.17	-0.68	-0.54	-0.09	0.08	0.74	1.39	1.07	1.13	-0.17	-2.29	-6.34	LINEARITY ERROR (dB)
															-2.29   1.39
	Flatness +/-dB	0.3	0.7	1.0	1.0	0.8	0.7	0.8	0.9	1.2	1.1	1.0	0.5	0.4	
	Slope Avg(mV/dB)	91.9													+/- 1.20 FLATNESS ERROR (dB)

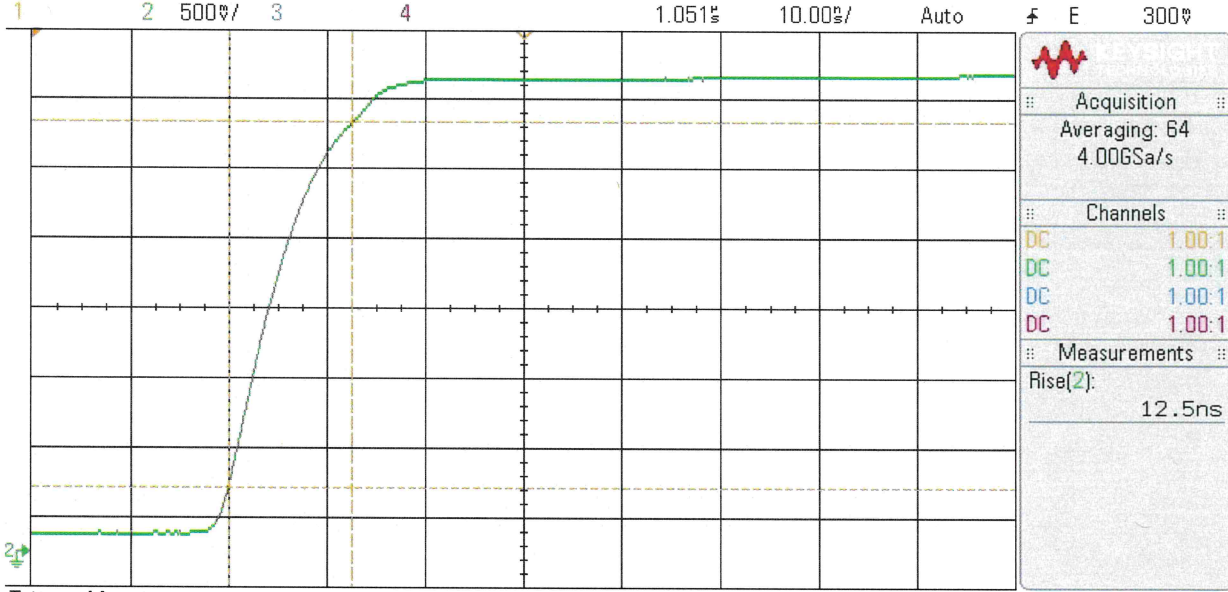


# VSWR 3.30:1



# Rise Time 12.5 ns

MSO-X 3054A, MY53400180: Mon Mar 17 13:24:05 2025



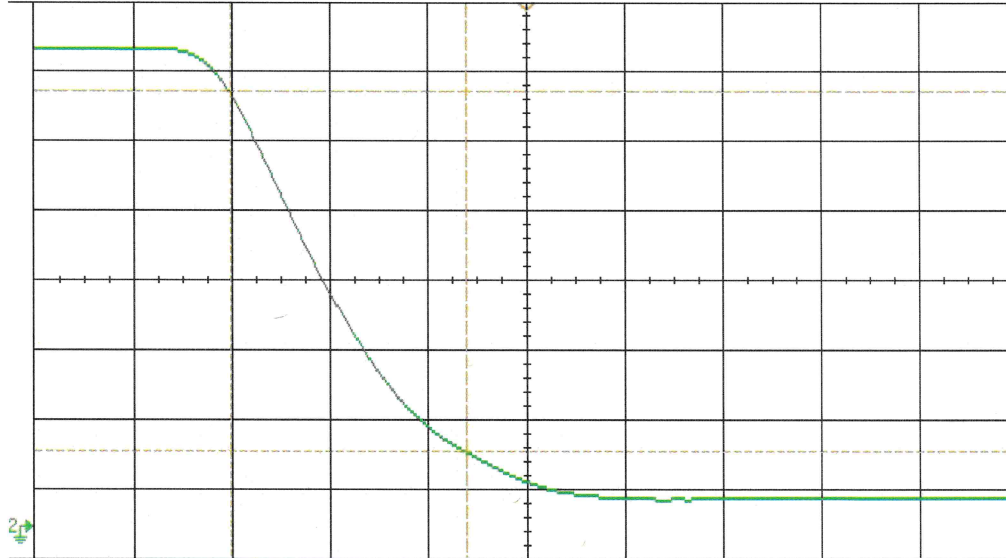
Trigger Menu

Trigger Type: Edge    Source: Ext    Slope: f

# Fall Time 12.0 ns

MSO-X 3054A, MY53400180: Mon Mar 17 13:26:56 2025

1 2 500V/ 3 4 -48.96% 5.00%/ Auto f E 300V



**Acquisition**  
Averaging: 64  
4.00GSa/s

**Channels**  
DC 1.00:1  
DC 1.00:1  
DC 1.00:1  
DC 1.00:1

**Measurements**  
Fall(2):  
12.0ns

Save to file = unit1\_falltime

Save

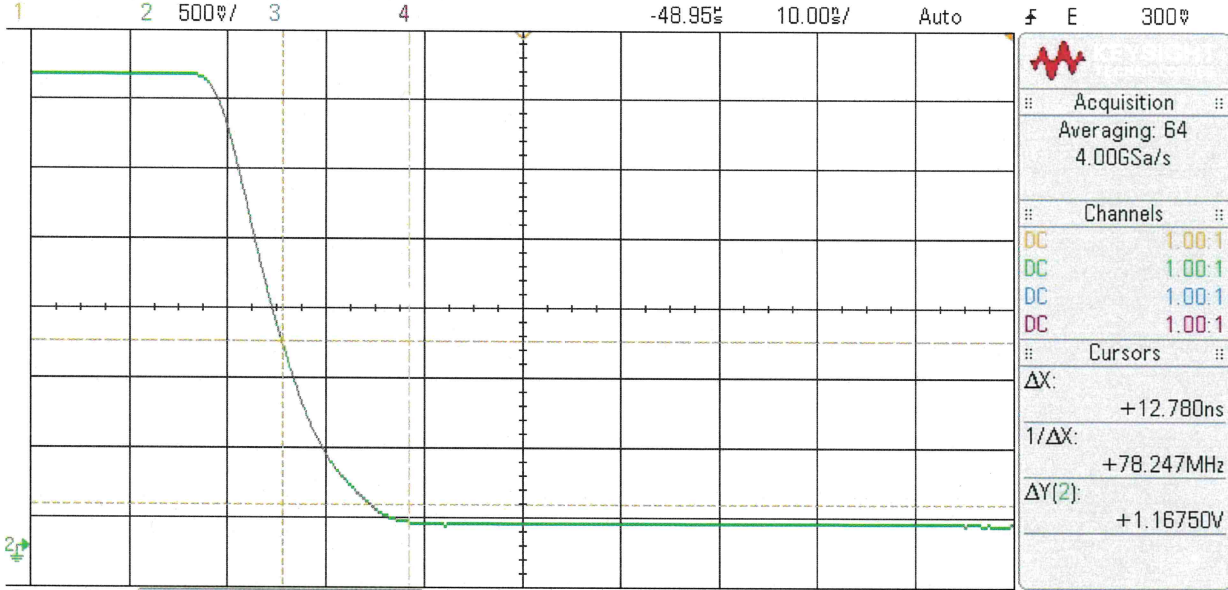
Recall

Default/Erase

Press to Save

# Recovery Time 12.780 ns

MSO-X 3054A, MY53400180: Mon Mar 17 13:30:19 2025



Save to file = unit1\_recoververtime

Save

Recall

Default/Erase

Press to Save

