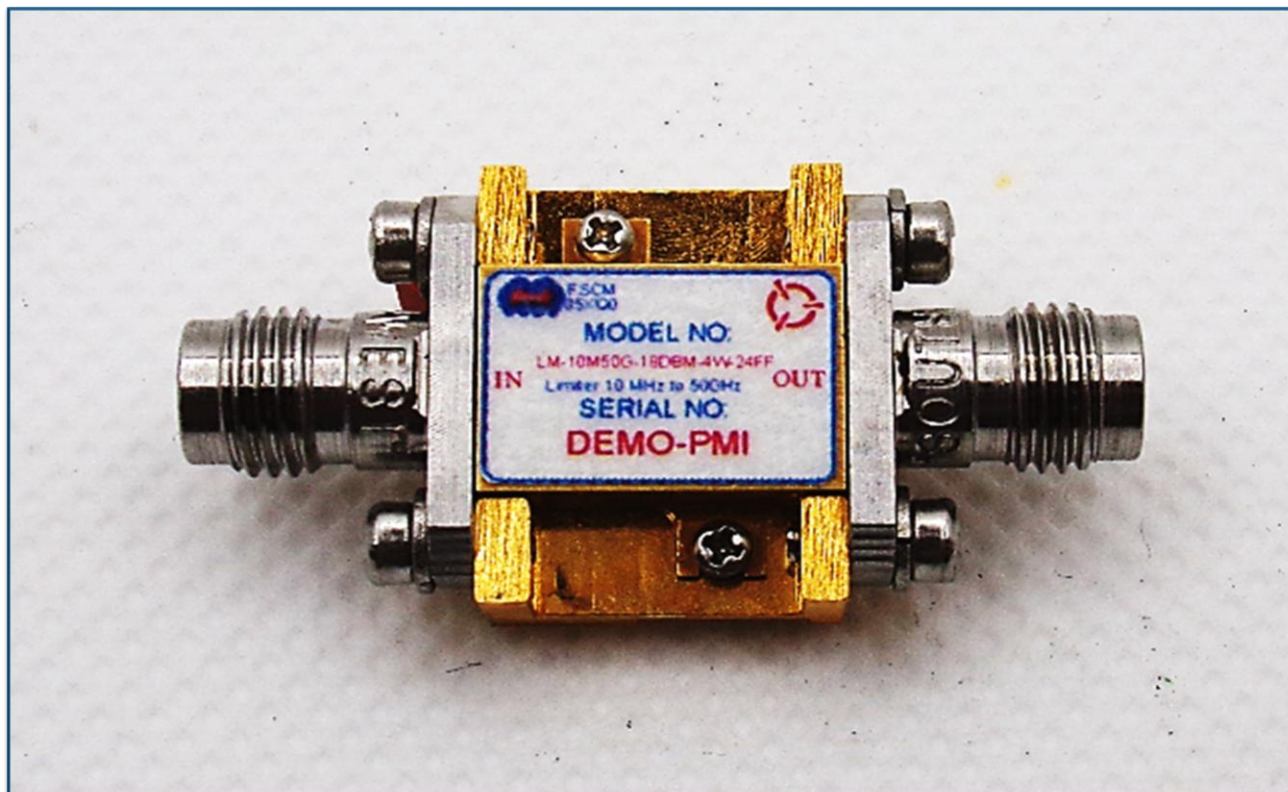


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

PMI MODEL: LM-10M50G-18DBM-4W-24FF IS A HIGH POWER LIMITER THAT OPERATES OVER THE 10MHz TO 50.0 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF HANDLING AN INPUT POWER OF 4 WATTS CW & 20 WATTS PEAK, PULSE WIDTH 1 μ S TO 10 μ S, 1% DUTY CYCLE, THIS LIMITER USES 2.40 FEMALE CONNECTORS.



August 17, 2020

Designed By:

Dr. Ashok Gorwara

Tested and Reported By:

Alfredo Lopez

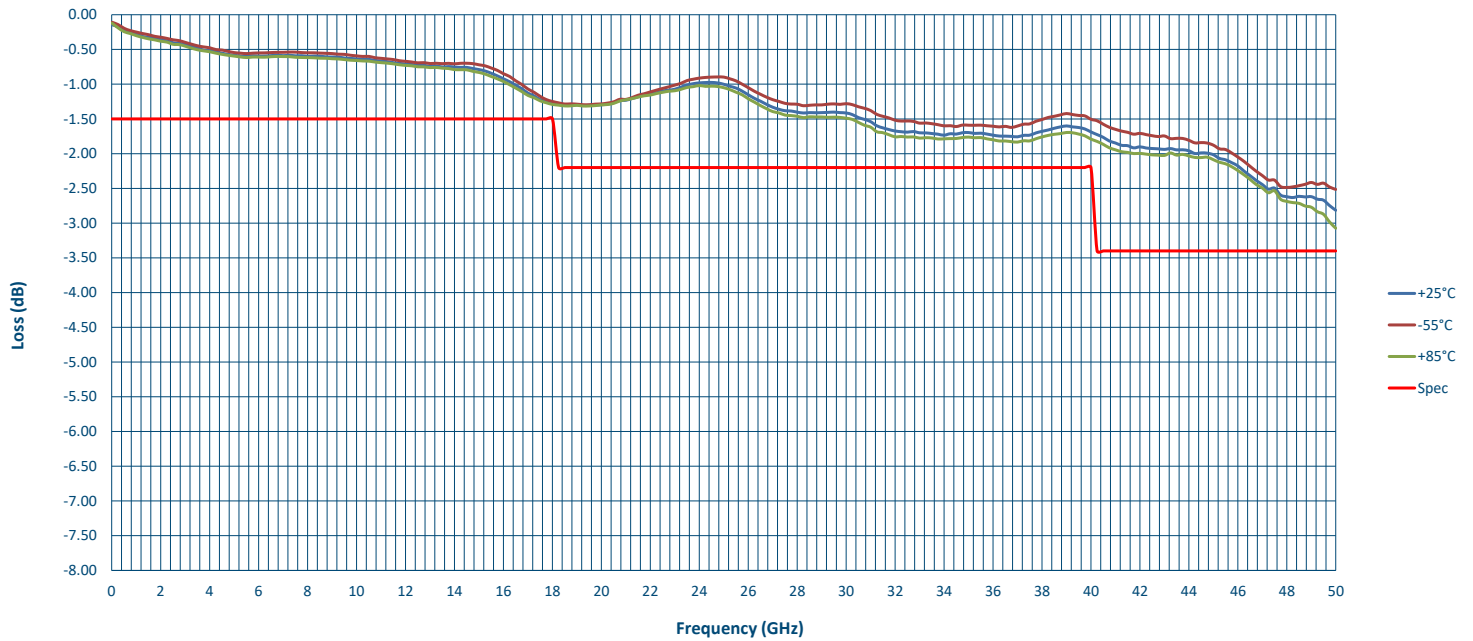
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Technical Specifications

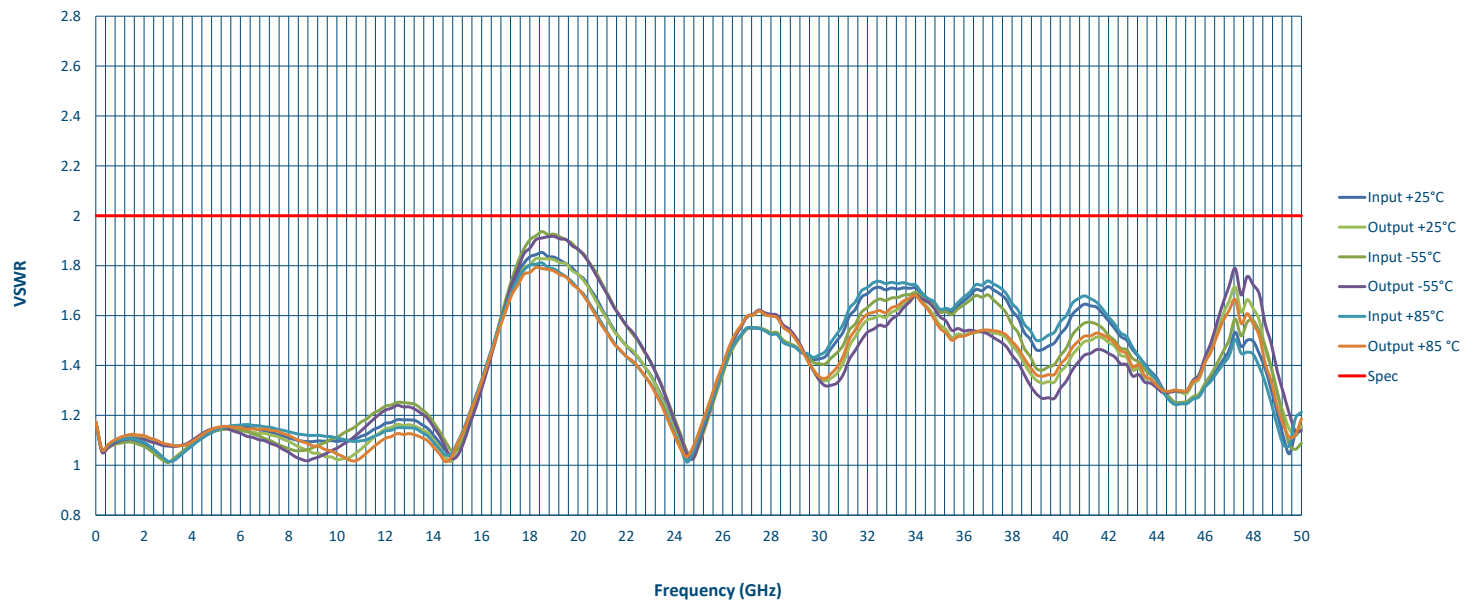
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results			QA QC
			+25°C	-55°C	+85°C	
1	Frequency Range:	10MHz to 50 GHz	10MHz to 50GHz	10MHz to 50GHz	10MHz to 50GHz	
2	Power Handling	20 Watts Peak Power Max. 1μs, 1% Duty Cycle	Pass 25 Watts @ 20MHz to 8GHz And 20Watts @ 18GHz	Pass 25 Watts @ 20MHz to 8GHz And 20Watts @ 18GHz	Pass 25 Watts @ 20MHz to 8GHz And 20Watts @ 18GHz	
		20 Watts Peak Power Max. 10μs, 1% Duty Cycle	Pass 20 Watts @ 20MHz to 8GHz And 16Watts @ 18GHz See Graphs	Pass 20 Watts @ 20MHz to 8GHz And 16Watts @ 18GHz See Graphs	Pass 20 Watts @ 20MHz to 8GHz And 16Watts @ 18GHz See Graphs	
		4 Watts CW Max.	Pass 5 Watts @ 20MHz to 12GHz And 4Watts @ 18GHz See Graphs	Pass 5 Watts @ 20MHz to 12GHz And 4Watts @ 18GHz See Graphs	Pass 5 Watts @ 20MHz to 12GHz And 4Watts @ 18GHz See Graphs	
3	Insertion Loss	10MHz to 18GHz = 1.50 dB Max.	1.28 dB	1.25 dB	1.29 dB	
		18 to 40 GHz = 2.20 dB Max	1.76 dB	1.62 dB	1.83 dB	
		40 to 50GHz = 3.40 dB Max.	2.81 dB See Graphs	2.51 dB See Graphs	3.07 dB See Graphs	
4	VSWR (in/out)	2:1 Max. (10MHz to 50GHz)	1.85:1 In 1.83:1 Out See Graphs	1.94:1 In 1.92:1 Out See Graphs	1.81:1 In 1.83:1 Out See Graphs	
5	Flat Leakage Power	+18 dBm Typ.	19.82 dBm See Graphs	19.85 dBm See Graphs	19.75 dBm See Graphs	
6	P1dB	+15dBm Typ.	15 dBm 12.5 dBm See Graphs	15.5 dBm 13 dBm See Graphs	15 dBm 12.5 dBm See Graphs	
7	Recovery Time	100 ns Max.	92ns See Plots	92ns See Plots	92ns See Plots	

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Insertion Loss

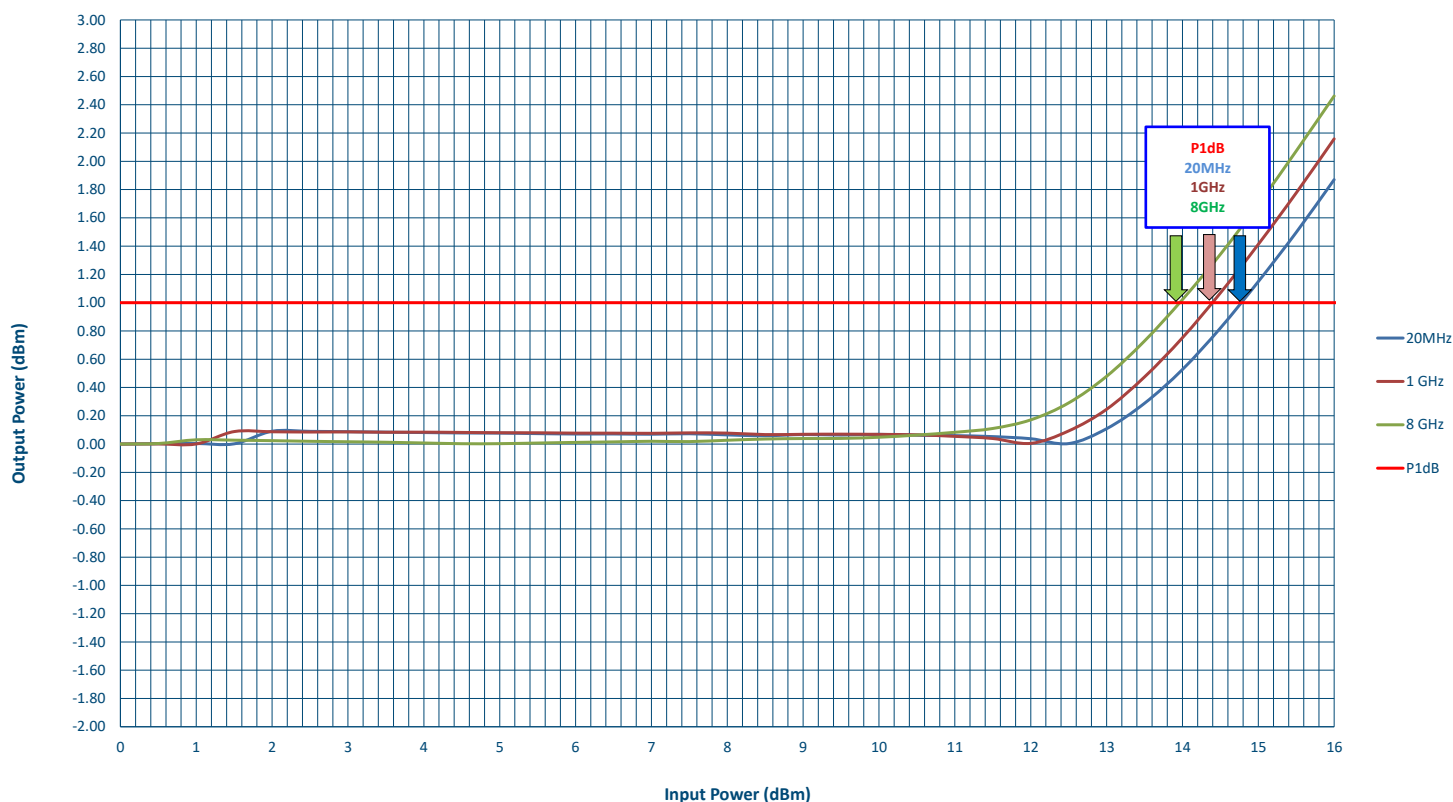


VSWR



Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

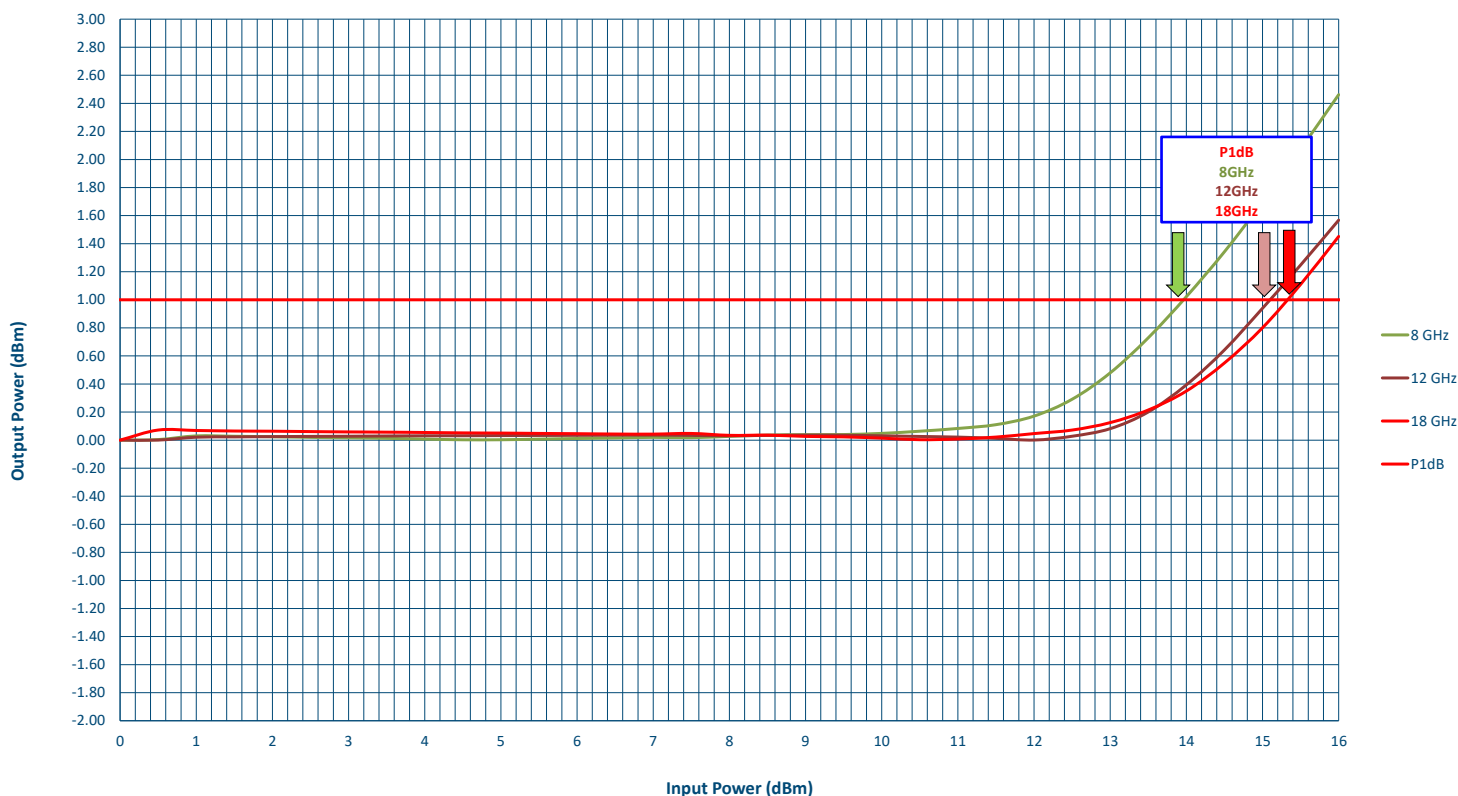
P1dB Graph 20MHz to 8GHz @ (+25°C)



P1dB Data (20 MHz to 8GHz)											
20MHz				1 GHz				8 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.095	0.0946	0.000	0.0	-0.163	0.1632	0.000	0.0	-0.469	0.4689	0.000
0.5	0.403	0.0971	0.003	0.5	0.338	0.1623	0.001	0.5	0.027	0.4727	0.004
1.0	0.901	0.0987	0.004	1.0	0.837	0.1626	0.001	1.0	0.561	0.4389	0.030
1.5	1.404	0.0961	0.002	1.5	1.425	0.0750	0.088	1.5	1.059	0.4415	0.027
2.0	1.996	0.0039	0.091	2.0	1.924	0.0764	0.087	2.0	1.555	0.4449	0.024
2.5	2.495	0.0049	0.090	2.5	2.422	0.0784	0.085	2.5	2.051	0.4495	0.019
3.0	2.993	0.0073	0.087	3.0	2.923	0.0773	0.086	3.0	2.547	0.4528	0.016
3.5	3.490	0.0105	0.084	3.5	3.420	0.0796	0.084	3.5	3.044	0.4561	0.013
4.0	3.987	0.0134	0.081	4.0	3.921	0.0791	0.084	4.0	3.539	0.4614	0.008
4.5	4.484	0.0163	0.078	4.5	4.419	0.0809	0.082	4.5	4.034	0.4664	0.002
5.0	4.983	0.0172	0.077	5.0	4.917	0.0831	0.080	5.0	4.528	0.4716	0.003
5.5	5.479	0.0208	0.074	5.5	5.417	0.0835	0.080	5.5	5.024	0.4760	0.007
6.0	5.976	0.0238	0.071	6.0	5.914	0.0858	0.077	6.0	5.519	0.4806	0.012
6.5	6.477	0.0233	0.071	6.5	6.414	0.0860	0.077	6.5	6.016	0.4842	0.015
7.0	6.975	0.0253	0.069	7.0	6.913	0.0873	0.076	7.0	6.512	0.4885	0.020
7.5	7.478	0.0219	0.073	7.5	7.416	0.0840	0.079	7.5	7.014	0.4862	0.017
8.0	7.970	0.0299	0.065	8.0	7.914	0.0858	0.077	8.0	7.504	0.4958	0.027
8.5	8.464	0.0359	0.059	8.5	8.404	0.0962	0.067	8.5	7.996	0.5045	0.036
9.0	8.973	0.0272	0.067	9.0	8.906	0.0942	0.069	9.0	8.492	0.5079	0.039
9.5	9.469	0.0306	0.064	9.5	9.407	0.0932	0.070	9.5	8.991	0.5086	0.040
10.0	9.974	0.0259	0.069	10.0	9.905	0.0948	0.068	10.0	9.483	0.5169	0.048
10.5	10.468	0.0320	0.063	10.5	10.402	0.0980	0.065	10.5	9.968	0.5324	0.064
11.0	10.965	0.0350	0.060	11.0	10.891	0.1090	0.054	11.0	10.448	0.5520	0.083
11.5	11.458	0.0420	0.053	11.5	11.376	0.1240	0.039	11.5	10.921	0.5790	0.110
12.0	11.943	0.0570	0.038	12.0	11.832	0.1680	0.005	12.0	11.360	0.6400	0.171
12.5	12.402	0.0980	0.003	12.5	12.244	0.2560	0.093	12.5	11.740	0.7600	0.291
13.0	12.797	0.2030	0.108	13.0	12.591	0.4090	0.246	13.0	12.052	0.9480	0.479
13.5	13.117	0.3830	0.288	13.5	12.862	0.6380	0.475	13.5	12.302	1.1980	0.729
14.0	13.378	0.6220	0.527	14.0	13.085	0.9150	0.752	14.0	12.509	1.4910	1.022
14.5	13.585	0.9150	0.820	14.5	13.268	1.2320	1.069	14.5	12.689	1.8110	1.342
15.0	13.756	1.2440	1.149	15.0	13.424	1.5760	1.413	15.0	12.835	2.1650	1.696
15.5	13.908	1.5920	1.497	15.5	13.580	1.9400	1.777	15.5	12.958	2.5420	2.073
16.0	14.035	1.9650	1.870	16.0	13.678	2.3220	2.159	16.0	13.069	2.9310	2.462

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

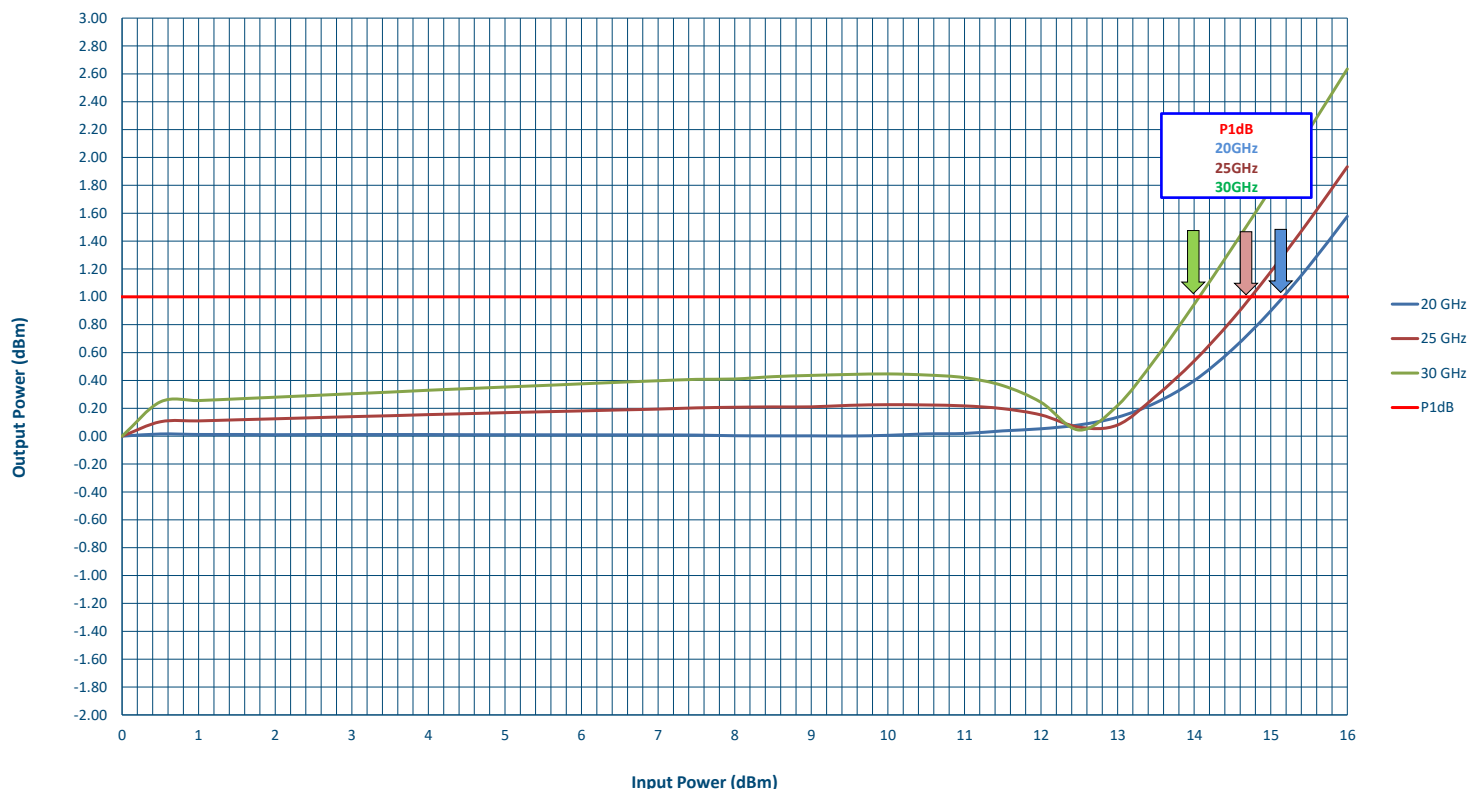
P1dB Graph 8GHz to 18GHz @ (+25°C)



P1dB Data (8GHz to 18GHz)											
8 GHz				12 GHz				18 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.469	0.4689	0.000	0.0	-0.773	0.7734	0.000	0.0	-1.016	1.0164	0.000
0.5	0.027	0.4727	0.004	0.5	-0.274	0.7737	0.000	0.5	-0.445	0.9445	0.072
1.0	0.561	0.4389	0.030	1.0	0.247	0.7527	0.021	1.0	0.052	0.9478	0.069
1.5	1.059	0.4415	0.027	1.5	0.749	0.7506	0.023	1.5	0.549	0.9515	0.065
2.0	1.555	0.4449	0.024	2.0	1.252	0.7485	0.025	2.0	1.047	0.9530	0.063
2.5	2.051	0.4495	0.019	2.5	1.753	0.7470	0.026	2.5	1.544	0.9556	0.061
3.0	2.547	0.4528	0.016	3.0	2.254	0.7458	0.028	3.0	2.042	0.9580	0.058
3.5	3.044	0.4561	0.013	3.5	2.756	0.7440	0.029	3.5	2.540	0.9597	0.057
4.0	3.539	0.4614	0.008	4.0	3.258	0.7424	0.031	4.0	3.038	0.9620	0.054
4.5	4.034	0.4664	0.002	4.5	3.758	0.7423	0.031	4.5	3.535	0.9649	0.051
5.0	4.528	0.4716	0.003	5.0	4.259	0.7408	0.033	5.0	4.034	0.9662	0.050
5.5	5.024	0.4760	0.007	5.5	4.760	0.7401	0.033	5.5	4.531	0.9687	0.048
6.0	5.519	0.4806	0.012	6.0	5.261	0.7394	0.034	6.0	5.029	0.9706	0.046
6.5	6.016	0.4842	0.015	6.5	5.762	0.7385	0.035	6.5	5.527	0.9730	0.043
7.0	6.512	0.4885	0.020	7.0	6.263	0.7375	0.036	7.0	6.026	0.9736	0.043
7.5	7.014	0.4882	0.017	7.5	6.760	0.7398	0.034	7.5	6.531	0.9688	0.048
8.0	7.504	0.4958	0.027	8.0	7.257	0.7426	0.031	8.0	7.018	0.9824	0.034
8.5	7.996	0.5045	0.036	8.5	7.761	0.7395	0.034	8.5	7.519	0.9809	0.035
9.0	8.492	0.5079	0.039	9.0	8.262	0.7380	0.035	9.0	8.010	0.9900	0.026
9.5	8.991	0.5086	0.040	9.5	8.761	0.7389	0.035	9.5	8.507	0.9934	0.023
10.0	9.483	0.5169	0.048	10.0	9.257	0.7428	0.031	10.0	8.998	1.0024	0.014
10.5	9.968	0.5324	0.064	10.5	9.753	0.7474	0.026	10.5	9.487	1.0133	0.003
11.0	10.448	0.5520	0.083	11.0	10.248	0.7520	0.021	11.0	9.976	1.0242	0.008
11.5	10.921	0.5790	0.110	11.5	10.739	0.7610	0.012	11.5	10.462	1.0380	0.022
12.0	11.360	0.6400	0.171	12.0	11.226	0.7740	0.001	12.0	10.937	1.0630	0.047
12.5	11.740	0.7600	0.291	12.5	11.699	0.8010	0.028	12.5	11.412	1.0880	0.072
13.0	12.052	0.9480	0.479	13.0	12.145	0.8550	0.082	13.0	11.859	1.1410	0.125
13.5	12.302	1.1980	0.729	13.5	12.526	0.9740	0.201	13.5	12.269	1.2310	0.215
14.0	12.509	1.4910	1.022	14.0	12.833	1.1670	0.394	14.0	12.634	1.3680	0.350
14.5	12.689	1.8110	1.342	14.5	13.084	1.4160	0.643	14.5	12.934	1.5660	0.550
15.0	12.835	2.1650	1.696	15.0	13.287	1.7130	0.940	15.0	13.183	1.8170	0.801
15.5	12.958	2.5420	2.073	15.5	13.479	2.0210	1.248	15.5	13.374	2.1260	1.110
16.0	13.069	2.9310	2.462	16.0	13.659	2.3410	1.568	16.0	13.532	2.4680	1.452

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

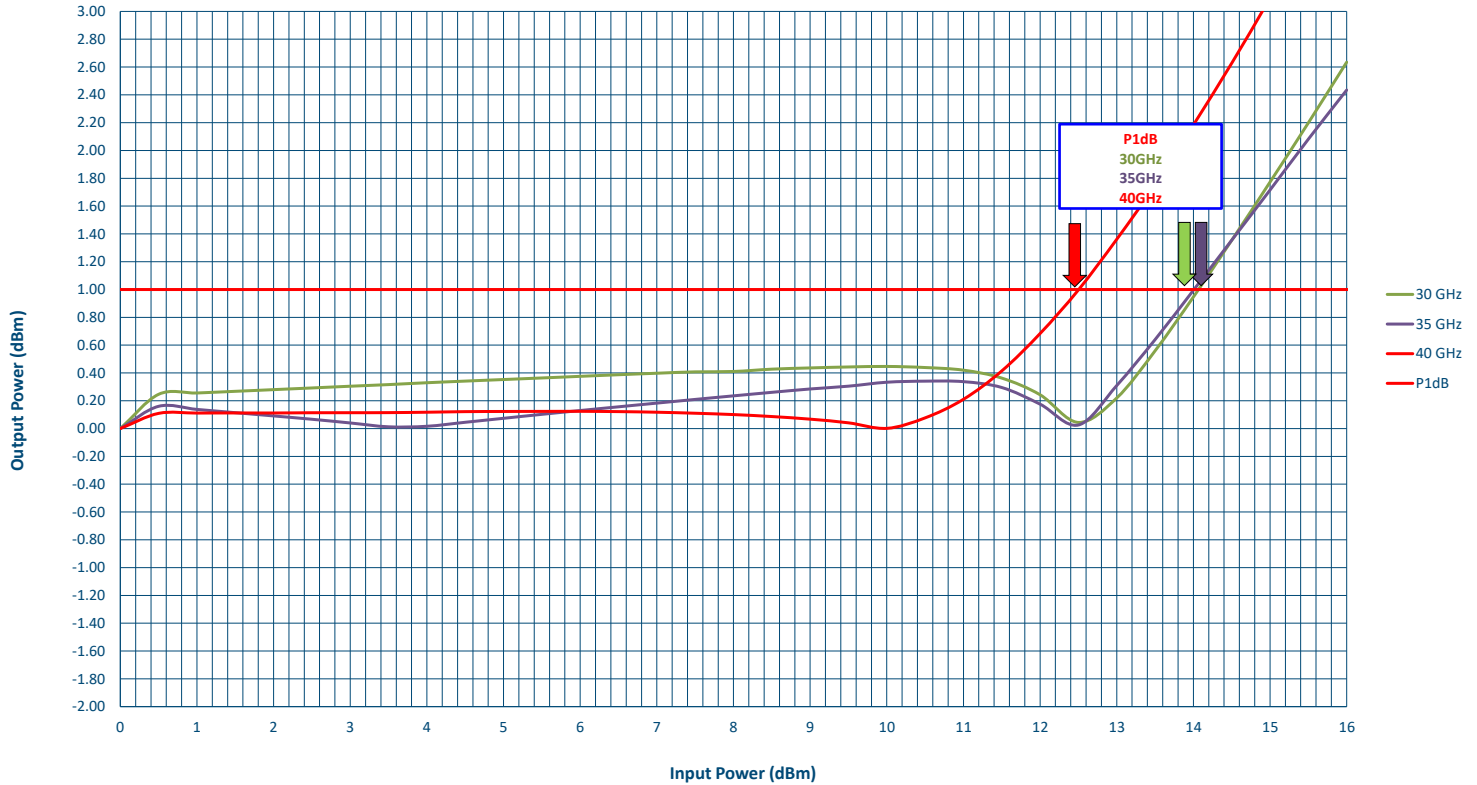
P1dB Graph 20GHz to 30GHz @ (+25°C)



P1dB Data (20GHz to 30GHz)											
20 GHz				25 GHz				30 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-1.011	1.0108	0.000	0.0	-0.964	0.9635	0.000	0.0	-0.998	0.9980	0.000
0.5	-0.495	0.9949	0.016	0.5	-0.360	0.8600	0.104	0.5	-0.252	0.7516	0.246
1.0	0.002	0.9985	0.012	1.0	0.146	0.8538	0.110	1.0	0.258	0.7422	0.256
1.5	0.502	0.9984	0.012	1.5	0.654	0.8460	0.118	1.5	0.770	0.7302	0.268
2.0	1.000	1.0001	0.011	2.0	1.161	0.8387	0.125	2.0	1.282	0.7181	0.280
2.5	1.501	0.9989	0.012	2.5	1.669	0.8308	0.133	2.5	1.794	0.7059	0.292
3.0	2.001	0.9989	0.012	3.0	2.177	0.8233	0.140	3.0	2.307	0.6935	0.305
3.5	2.501	0.9988	0.012	3.5	2.683	0.8166	0.147	3.5	2.818	0.6817	0.316
4.0	3.001	0.9988	0.012	4.0	3.191	0.8087	0.155	4.0	3.332	0.6683	0.330
4.5	3.500	1.0001	0.011	4.5	3.698	0.8019	0.162	4.5	3.843	0.6567	0.341
5.0	4.000	1.0002	0.011	5.0	4.205	0.7946	0.169	5.0	4.355	0.6453	0.353
5.5	4.499	1.0007	0.010	5.5	4.712	0.7883	0.175	5.5	4.866	0.6341	0.364
6.0	4.999	1.0010	0.010	6.0	5.218	0.7820	0.182	6.0	5.378	0.6224	0.376
6.5	5.499	1.0012	0.010	6.5	5.725	0.7752	0.188	6.5	5.889	0.6108	0.387
7.0	5.998	1.0017	0.009	7.0	6.231	0.7690	0.195	7.0	6.400	0.6001	0.398
7.5	6.497	1.0028	0.008	7.5	6.740	0.7603	0.203	7.5	6.910	0.5902	0.408
8.0	6.993	1.0075	0.003	8.0	7.244	0.7558	0.208	8.0	7.413	0.5875	0.411
8.5	7.492	1.0084	0.002	8.5	7.747	0.7533	0.210	8.5	7.929	0.5708	0.427
9.0	7.987	1.0133	0.003	9.0	8.247	0.7530	0.211	9.0	8.438	0.5619	0.436
9.5	8.488	1.0123	0.001	9.5	8.758	0.7420	0.221	9.5	8.945	0.5550	0.443
10.0	8.983	1.0170	0.006	10.0	9.263	0.7374	0.226	10.0	9.449	0.5512	0.447
10.5	9.473	1.0273	0.017	10.5	9.761	0.7394	0.224	10.5	9.941	0.5590	0.439
11.0	9.970	1.0303	0.020	11.0	10.254	0.7460	0.218	11.0	10.422	0.5780	0.420
11.5	10.451	1.0490	0.038	11.5	10.734	0.7660	0.198	11.5	10.865	0.6350	0.363
12.0	10.936	1.0640	0.053	12.0	11.189	0.8110	0.153	12.0	11.245	0.7550	0.243
12.5	11.408	1.0920	0.081	12.5	11.601	0.8990	0.065	12.5	11.546	0.9540	0.044
13.0	11.853	1.1470	0.136	13.0	11.956	1.0440	0.081	13.0	11.782	1.2180	0.220
13.5	12.249	1.2510	0.240	13.5	12.249	1.2510	0.287	13.5	11.943	1.5570	0.559
14.0	12.591	1.4090	0.398	14.0	12.497	1.5030	0.540	14.0	12.056	1.9440	0.946
14.5	12.866	1.6340	0.623	14.5	12.698	1.8020	0.839	14.5	12.148	2.3520	1.354
15.0	13.090	1.9100	0.899	15.0	12.857	2.1430	1.180	15.0	12.229	2.7710	1.773
15.5	13.268	2.2320	1.221	15.5	12.990	2.5100	1.547	15.5	12.303	3.1970	2.199
16.0	13.412	2.5880	1.577	16.0	13.103	2.8970	1.934	16.0	12.367	3.6330	2.635

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

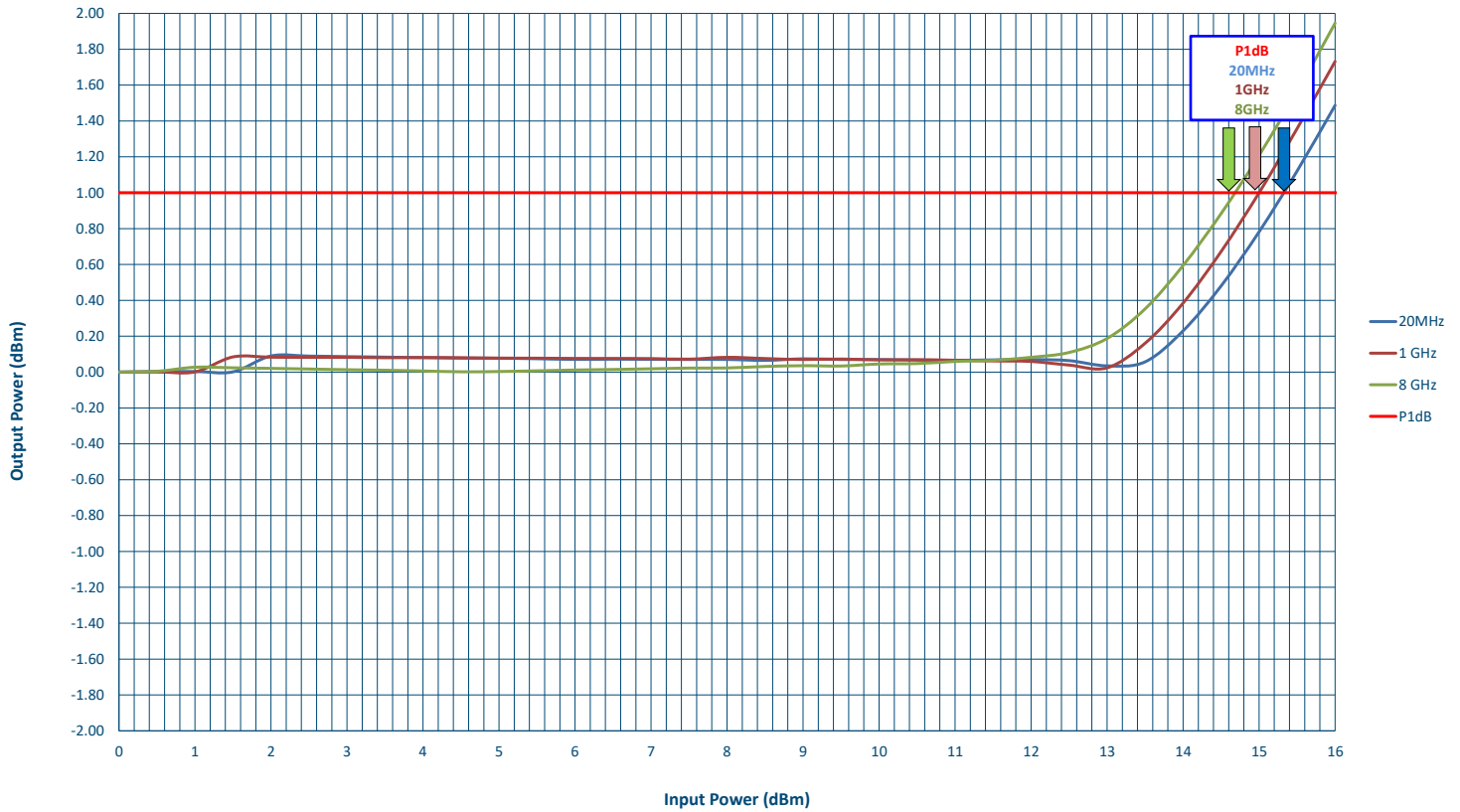
P1dB Graph 30GHz to 40GHz @ (+25°C)



P1dB Data (30GHz to 40GHz)											
30 GHz				35 GHz				40 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.998	0.9980	0.000	0.0	-1.782	1.7824	0.000	0.0	-1.712	1.7116	0.000
0.5	-0.252	0.7516	0.246	0.5	-1.443	1.9425	0.160	0.5	-1.102	1.6024	0.109
1.0	0.258	0.7422	0.256	1.0	-0.920	1.9200	0.138	1.0	-0.600	1.6002	0.111
1.5	0.770	0.7302	0.268	1.5	-0.397	1.8966	0.114	1.5	-0.099	1.5993	0.112
2.0	1.282	0.7181	0.280	2.0	0.127	1.8733	0.091	2.0	0.400	1.5996	0.112
2.5	1.794	0.7059	0.292	2.5	0.651	1.8494	0.067	2.5	0.902	1.5978	0.114
3.0	2.307	0.6935	0.305	3.0	1.177	1.8227	0.040	3.0	1.402	1.5976	0.114
3.5	2.818	0.6817	0.316	3.5	1.705	1.7951	0.013	3.5	1.903	1.5969	0.115
4.0	3.332	0.6683	0.330	4.0	2.234	1.7660	0.016	4.0	2.406	1.5941	0.118
4.5	3.843	0.6567	0.341	4.5	2.763	1.7371	0.045	4.5	2.910	1.5898	0.122
5.0	4.355	0.6453	0.353	5.0	3.291	1.7086	0.074	5.0	3.411	1.5886	0.123
5.5	4.866	0.6341	0.364	5.5	3.820	1.6800	0.102	5.5	3.912	1.5882	0.123
6.0	5.378	0.6224	0.376	6.0	4.347	1.6526	0.130	6.0	4.412	1.5876	0.124
6.5	5.889	0.6108	0.387	6.5	4.874	1.6259	0.157	6.5	4.910	1.5897	0.122
7.0	6.400	0.6001	0.398	7.0	5.401	1.5993	0.183	7.0	5.406	1.5940	0.118
7.5	6.910	0.5902	0.408	7.5	5.927	1.5729	0.210	7.5	5.899	1.6014	0.110
8.0	7.413	0.5875	0.411	8.0	6.453	1.5471	0.235	8.0	6.389	1.6110	0.101
8.5	7.929	0.5708	0.427	8.5	6.978	1.5218	0.261	8.5	6.875	1.6251	0.087
9.0	8.438	0.5619	0.436	9.0	7.502	1.4977	0.285	9.0	7.356	1.6440	0.068
9.5	8.945	0.5550	0.443	9.5	8.023	1.4775	0.305	9.5	7.830	1.6703	0.041
10.0	9.449	0.5512	0.447	10.0	8.551	1.4491	0.333	10.0	8.287	1.7132	0.002
10.5	9.941	0.5590	0.439	10.5	9.059	1.4415	0.341	10.5	8.712	1.7885	0.077
11.0	10.422	0.5780	0.420	11.0	9.555	1.4450	0.337	11.0	9.078	1.9219	0.210
11.5	10.865	0.6350	0.363	11.5	10.013	1.4870	0.295	11.5	9.374	2.1261	0.414
12.0	11.245	0.7550	0.243	12.0	10.393	1.6070	0.175	12.0	9.605	2.3952	0.684
12.5	11.546	0.9540	0.044	12.5	10.692	1.8080	0.026	12.5	9.791	2.7089	0.997
13.0	11.782	1.2180	0.220	13.0	10.908	2.0920	0.310	13.0	9.927	3.0729	1.361
13.5	11.943	1.5570	0.559	13.5	11.078	2.4220	0.640	13.5	10.038	3.4620	1.750
14.0	12.056	1.9440	0.946	14.0	11.223	2.7770	0.995	14.0	10.105	3.8950	2.183
14.5	12.148	2.3520	1.354	14.5	11.363	3.1370	1.355	14.5	10.161	4.3390	2.627
15.0	12.229	2.7710	1.773	15.0	11.502	3.4980	1.716	15.0	10.192	4.8080	3.096
15.5	12.303	3.1970	2.199	15.5	11.636	3.8640	2.082	15.5	10.207	5.2930	3.581
16.0	12.367	3.6330	2.635	16.0	11.783	4.2170	2.435	16.0	10.207	5.7930	4.081

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

P1dB 20MHz to 8GHz @ (-55°C)

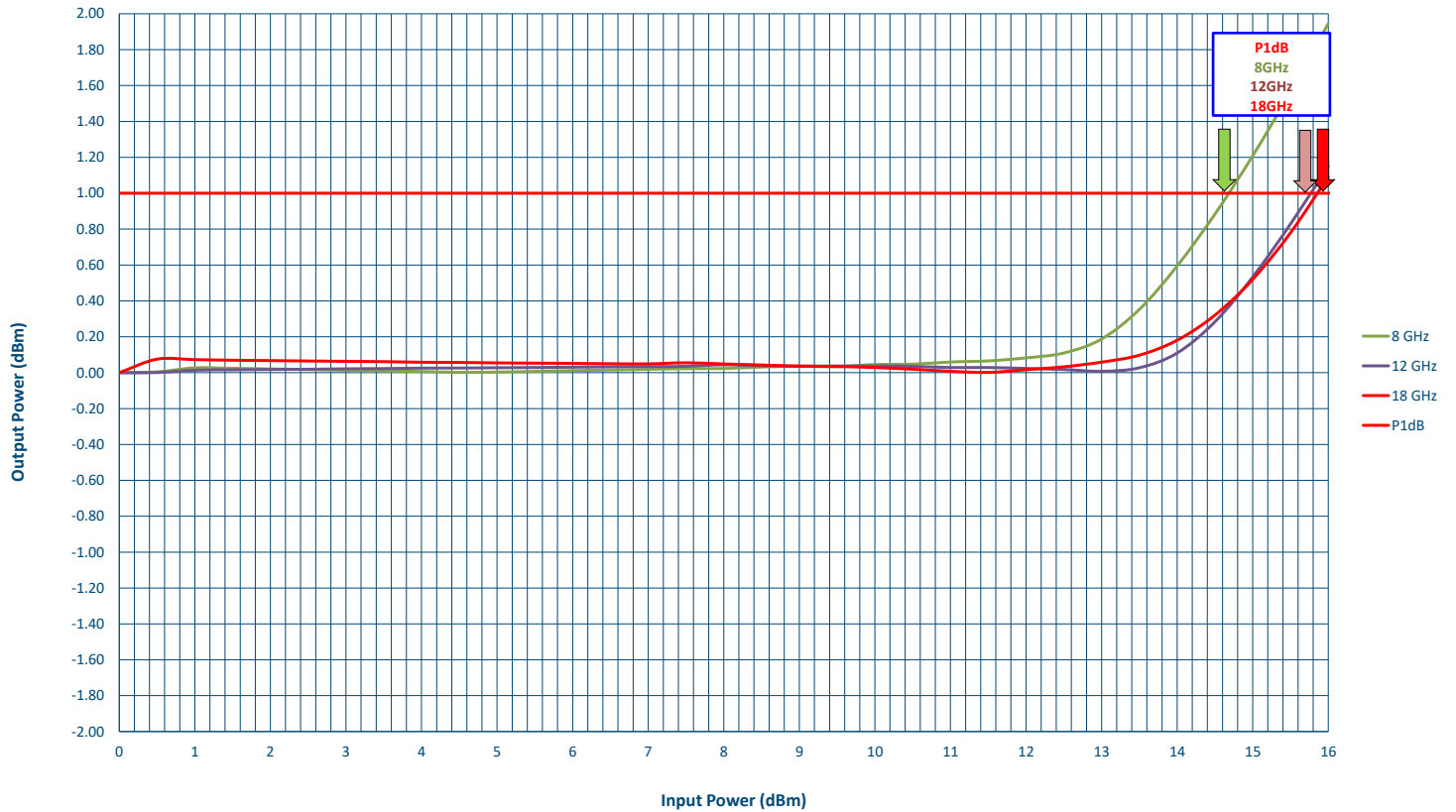


P1dB Data (20 MHz to 8GHz)											
20MHz				1 GHz				8 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.060	0.0593	0.000	0.0	-0.103	0.1032	0.000	0.0	-0.374	0.3735	0.000
0.5	0.438	0.0625	0.003	0.5	0.398	0.1020	0.001	0.5	0.122	0.3779	0.004
1.0	0.937	0.0633	0.003	1.0	0.898	0.1022	0.001	1.0	0.654	0.3464	0.027
1.5	1.439	0.0612	0.001	1.5	1.481	0.0186	0.085	1.5	1.150	0.3496	0.024
2.0	2.030	-0.0301	0.090	2.0	1.980	0.0202	0.083	2.0	1.647	0.3527	0.021
2.5	2.529	-0.0293	0.089	2.5	2.479	0.0211	0.082	2.5	2.144	0.3563	0.017
3.0	3.026	-0.0263	0.086	3.0	2.979	0.0207	0.082	3.0	2.640	0.3602	0.013
3.5	3.524	-0.0235	0.083	3.5	3.477	0.0231	0.080	3.5	3.137	0.3631	0.010
4.0	4.021	-0.0207	0.081	4.0	3.978	0.0218	0.081	4.0	3.633	0.3671	0.006
4.5	4.518	-0.0180	0.078	4.5	4.477	0.0230	0.080	4.5	4.128	0.3718	0.002
5.0	5.017	-0.0174	0.077	5.0	4.975	0.0252	0.078	5.0	4.623	0.3768	0.003
5.5	5.515	-0.0147	0.075	5.5	5.474	0.0256	0.078	5.5	5.119	0.3807	0.007
6.0	6.011	-0.0108	0.071	6.0	5.973	0.0269	0.076	6.0	5.615	0.3852	0.012
6.5	6.512	-0.0123	0.072	6.5	6.473	0.0271	0.076	6.5	6.112	0.3881	0.015
7.0	7.011	-0.0112	0.071	7.0	6.972	0.0279	0.075	7.0	6.608	0.3920	0.019
7.5	7.511	-0.0106	0.071	7.5	7.469	0.0309	0.072	7.5	7.104	0.3959	0.022
8.0	8.011	-0.0106	0.071	8.0	7.979	0.0208	0.082	8.0	7.603	0.3967	0.023
8.5	8.506	-0.0055	0.065	8.5	8.472	0.0276	0.076	8.5	8.095	0.4049	0.031
9.0	9.014	-0.0141	0.074	9.0	8.967	0.0330	0.070	9.0	8.591	0.4092	0.036
9.5	9.510	-0.0104	0.070	9.5	9.470	0.0303	0.073	9.5	9.093	0.4075	0.034
10.0	10.010	-0.0100	0.070	10.0	9.965	0.0350	0.068	10.0	9.581	0.4187	0.045
10.5	10.507	-0.0070	0.067	10.5	10.466	0.0340	0.069	10.5	10.079	0.4210	0.047
11.0	11.006	-0.0060	0.066	11.0	10.963	0.0370	0.066	11.0	10.567	0.4330	0.059
11.5	11.508	-0.0080	0.068	11.5	11.459	0.0410	0.062	11.5	11.061	0.4390	0.066
12.0	12.010	-0.0100	0.070	12.0	11.956	0.0440	0.063	12.0	11.544	0.4560	0.082
12.5	12.504	-0.0040	0.064	12.5	12.436	0.0640	0.039	12.5	12.017	0.4830	0.110
13.0	12.975	0.0250	0.035	13.0	12.873	0.1270	0.024	13.0	12.439	0.5610	0.188
13.5	13.383	0.1170	0.057	13.5	13.236	0.2640	0.161	13.5	12.774	0.7260	0.353
14.0	13.710	0.2900	0.230	14.0	13.512	0.4880	0.385	14.0	13.032	0.9680	0.595
14.5	13.960	0.5400	0.480	14.5	13.725	0.7750	0.672	14.5	13.243	1.2570	0.884
15.0	14.158	0.8420	0.782	15.0	13.897	1.1030	1.000	15.0	13.418	1.5820	1.209
15.5	14.319	1.1810	1.121	15.5	14.039	1.4610	1.358	15.5	13.562	1.9380	1.565
16.0	14.453	1.5470	1.487	16.0	14.165	1.8350	1.732	16.0	13.681	2.3190	1.946



Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

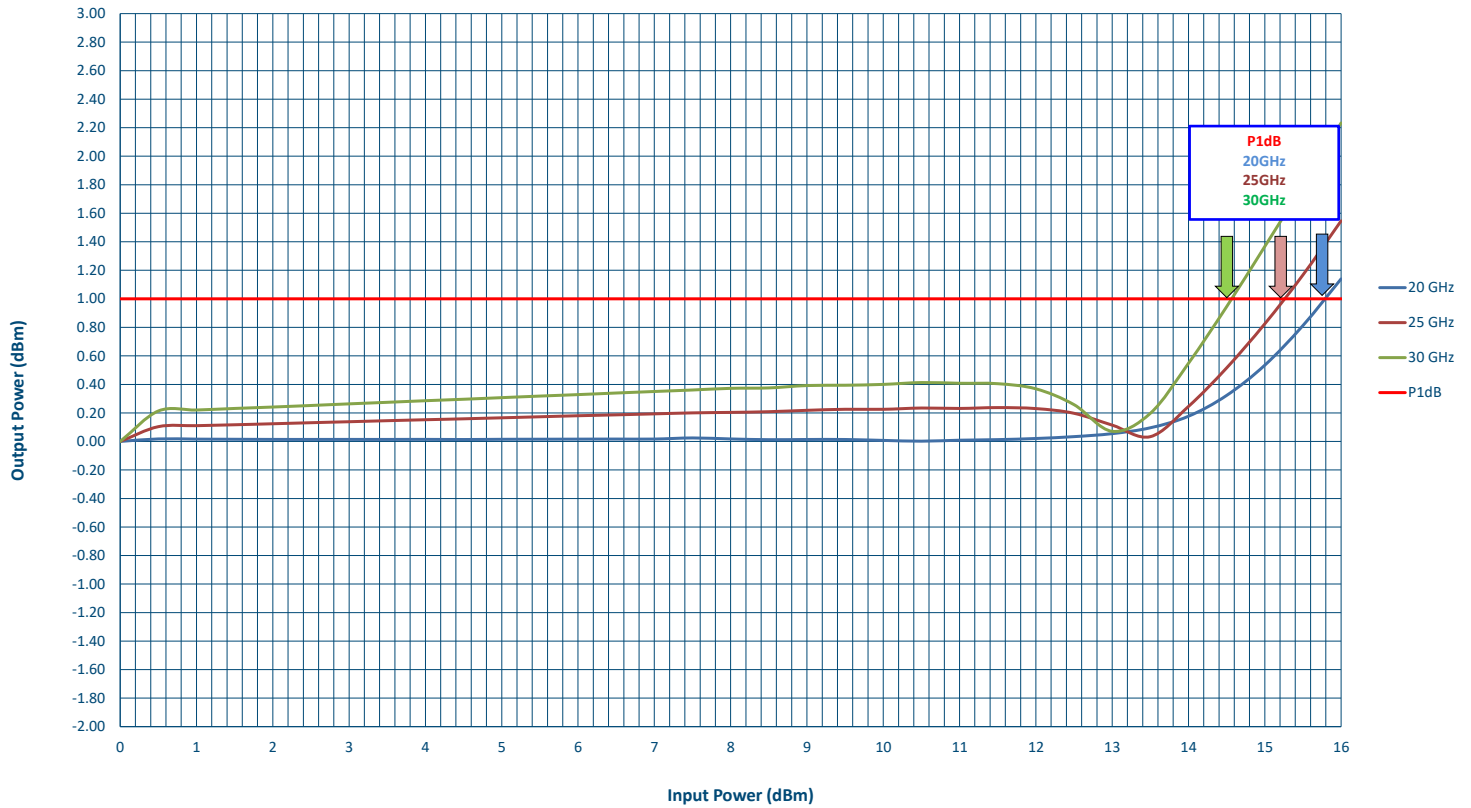
P1dB 8GHz to 18 GHz @ (-55°C)



P1dB Data (8GHz to 18GHz)											
8 GHz				12 GHz				18 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.374	0.3735	0.000	0.0	-0.705	0.7046	0.000	0.0	-0.910	0.9095	0.000
0.5	0.122	0.3779	0.004	0.5	-0.204	0.7040	0.001	0.5	-0.334	0.8341	0.075
1.0	0.654	0.3464	0.027	1.0	0.309	0.6909	0.014	1.0	0.163	0.8370	0.073
1.5	1.150	0.3496	0.024	1.5	0.811	0.6889	0.016	1.5	0.660	0.8402	0.069
2.0	1.647	0.3527	0.021	2.0	1.313	0.6868	0.018	2.0	1.158	0.8423	0.067
2.5	2.144	0.3563	0.017	2.5	1.815	0.6855	0.019	2.5	1.656	0.8445	0.065
3.0	2.640	0.3602	0.013	3.0	2.317	0.6831	0.022	3.0	2.154	0.8464	0.063
3.5	3.137	0.3631	0.010	3.5	2.818	0.6818	0.023	3.5	2.652	0.8481	0.061
4.0	3.633	0.3671	0.006	4.0	3.321	0.6794	0.025	4.0	3.149	0.8515	0.058
4.5	4.128	0.3718	0.002	4.5	3.821	0.6788	0.026	4.5	3.648	0.8525	0.057
5.0	4.623	0.3768	0.003	5.0	4.323	0.6771	0.027	5.0	4.145	0.8551	0.054
5.5	5.119	0.3807	0.007	5.5	4.824	0.6759	0.029	5.5	4.644	0.8564	0.053
6.0	5.615	0.3852	0.012	6.0	5.326	0.6740	0.031	6.0	5.142	0.8578	0.052
6.5	6.112	0.3881	0.015	6.5	5.828	0.6721	0.032	6.5	5.640	0.8596	0.050
7.0	6.608	0.3920	0.019	7.0	6.329	0.6708	0.034	7.0	6.140	0.8605	0.049
7.5	7.104	0.3959	0.022	7.5	6.831	0.6692	0.035	7.5	6.646	0.8544	0.055
8.0	7.603	0.3967	0.023	8.0	7.339	0.6608	0.044	8.0	7.139	0.8609	0.049
8.5	8.095	0.4049	0.031	8.5	7.833	0.6666	0.038	8.5	7.633	0.8669	0.043
9.0	8.591	0.4092	0.036	9.0	8.332	0.6681	0.036	9.0	8.127	0.8730	0.037
9.5	9.093	0.4075	0.034	9.5	8.832	0.6676	0.037	9.5	8.625	0.8754	0.034
10.0	9.581	0.4187	0.045	10.0	9.333	0.6674	0.037	10.0	9.119	0.8808	0.029
10.5	10.079	0.4210	0.047	10.5	9.831	0.6694	0.035	10.5	9.610	0.8902	0.019
11.0	10.567	0.4330	0.059	11.0	10.324	0.6760	0.029	11.0	10.098	0.9020	0.008
11.5	11.061	0.4390	0.066	11.5	10.824	0.6760	0.029	11.5	10.589	0.9110	0.001
12.0	11.544	0.4560	0.082	12.0	11.319	0.6810	0.024	12.0	11.074	0.9260	0.017
12.5	12.017	0.4830	0.110	12.5	11.813	0.6870	0.018	12.5	11.558	0.9420	0.033
13.0	12.439	0.5610	0.188	13.0	12.303	0.6970	0.008	13.0	12.032	0.9680	0.059
13.5	12.774	0.7260	0.353	13.5	12.768	0.7320	0.027	13.5	12.493	1.0070	0.097
14.0	13.032	0.9680	0.595	14.0	13.186	0.8140	0.109	14.0	12.910	1.0900	0.181
14.5	13.243	1.2570	0.884	14.5	13.512	0.9880	0.283	14.5	13.270	1.2300	0.321
15.0	13.418	1.5820	1.209	15.0	13.762	1.2380	0.533	15.0	13.571	1.4290	0.520
15.5	13.562	1.9380	1.565	15.5	13.967	1.5330	0.828	15.5	13.811	1.6890	0.780
16.0	13.681	2.3190	1.946	16.0	14.145	1.8550	1.150	16.0	13.999	2.0010	1.092

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

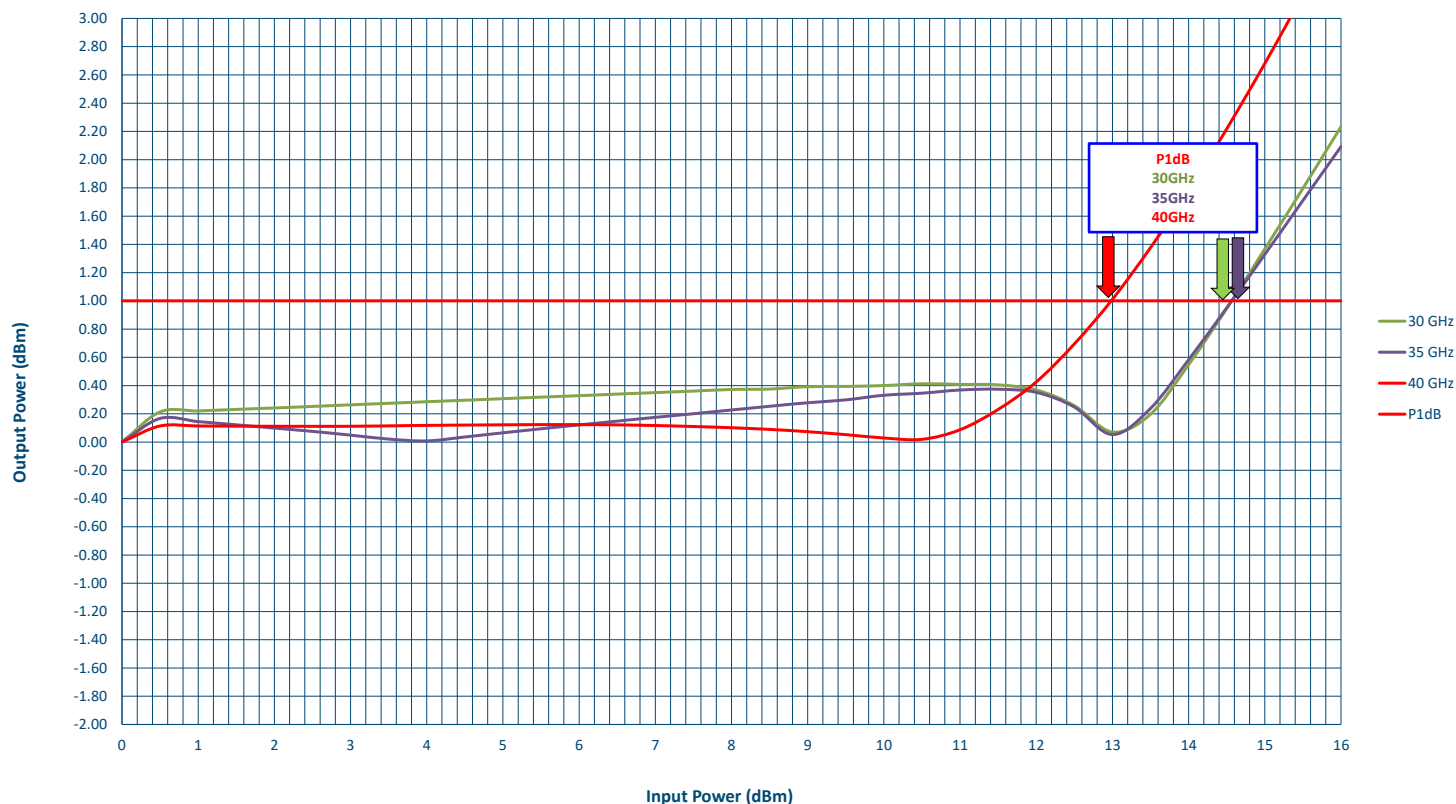
P1dB Graph 20GHz to 30GHz @ (-55°C)



P1dB Data (20GHz to 30GHz)											
20 GHz				25 GHz				30 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.933	0.9333	0.000	0.0	-0.781	0.7814	0.000	0.0	-0.785	0.7849	0.000
0.5	-0.416	0.9157	0.018	0.5	-0.178	0.6778	0.104	0.5	-0.071	0.5714	0.214
1.0	0.083	0.9171	0.016	1.0	0.329	0.6709	0.111	1.0	0.435	0.5646	0.220
1.5	0.582	0.9181	0.015	1.5	0.836	0.6645	0.117	1.5	0.946	0.5536	0.231
2.0	1.081	0.9191	0.014	2.0	1.343	0.6574	0.124	2.0	1.456	0.5437	0.241
2.5	1.581	0.9192	0.014	2.5	1.850	0.6501	0.131	2.5	1.967	0.5327	0.252
3.0	2.081	0.9191	0.014	3.0	2.357	0.6431	0.138	3.0	2.479	0.5213	0.264
3.5	2.581	0.9193	0.014	3.5	2.864	0.6359	0.146	3.5	2.990	0.5105	0.274
4.0	3.081	0.9188	0.015	4.0	3.371	0.6292	0.152	4.0	3.501	0.4993	0.286
4.5	3.580	0.9198	0.014	4.5	3.877	0.6227	0.159	4.5	4.011	0.4890	0.296
5.0	4.082	0.9183	0.015	5.0	4.384	0.6156	0.166	5.0	4.522	0.4778	0.307
5.5	4.582	0.9177	0.016	5.5	4.892	0.6084	0.173	5.5	5.033	0.4667	0.318
6.0	5.083	0.9171	0.016	6.0	5.399	0.6011	0.180	6.0	5.544	0.4556	0.328
6.5	5.583	0.9166	0.017	6.5	5.905	0.5949	0.187	6.5	6.055	0.4453	0.340
7.0	6.083	0.9166	0.017	7.0	6.412	0.5880	0.193	7.0	6.565	0.4347	0.350
7.5	6.591	0.9088	0.024	7.5	6.919	0.5810	0.200	7.5	7.076	0.4241	0.361
8.0	7.084	0.9159	0.017	8.0	7.422	0.5777	0.204	8.0	7.587	0.4126	0.372
8.5	7.579	0.9209	0.012	8.5	7.927	0.5729	0.209	8.5	8.091	0.4095	0.375
9.0	8.080	0.9197	0.014	9.0	8.437	0.5632	0.218	9.0	8.607	0.3930	0.392
9.5	8.580	0.9196	0.014	9.5	8.944	0.5559	0.226	9.5	9.109	0.3909	0.394
10.0	9.074	0.9260	0.007	10.0	9.444	0.5561	0.225	10.0	9.615	0.3849	0.400
10.5	9.569	0.9313	0.002	10.5	9.953	0.5471	0.234	10.5	10.128	0.3720	0.413
11.0	10.058	0.9420	0.009	11.0	10.450	0.5500	0.231	11.0	10.623	0.3770	0.408
11.5	10.554	0.9460	0.013	11.5	10.956	0.5440	0.237	11.5	11.120	0.3800	0.405
12.0	11.046	0.9540	0.021	12.0	11.449	0.5510	0.230	12.0	11.584	0.4160	0.369
12.5	11.533	0.9670	0.034	12.5	11.916	0.5840	0.197	12.5	11.973	0.5270	0.258
13.0	12.012	0.9880	0.055	13.0	12.333	0.6670	0.114	13.0	12.286	0.7140	0.071
13.5	12.471	1.0290	0.096	13.5	12.685	0.8150	0.034	13.5	12.518	0.9820	0.197
14.0	12.890	1.1100	0.177	14.0	12.973	1.0270	0.246	14.0	12.667	1.3330	0.548
14.5	13.244	1.2560	0.323	14.5	13.203	1.2970	0.516	14.5	12.770	1.7300	0.945
15.0	13.532	1.4680	0.535	15.0	13.394	1.6060	0.825	15.0	12.848	2.1520	1.367
15.5	13.754	1.7460	0.813	15.5	13.551	1.9490	1.168	15.5	12.919	2.5810	1.796
16.0	13.927	2.0730	1.140	16.0	13.672	2.3280	1.547	16.0	12.982	3.0180	2.233

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

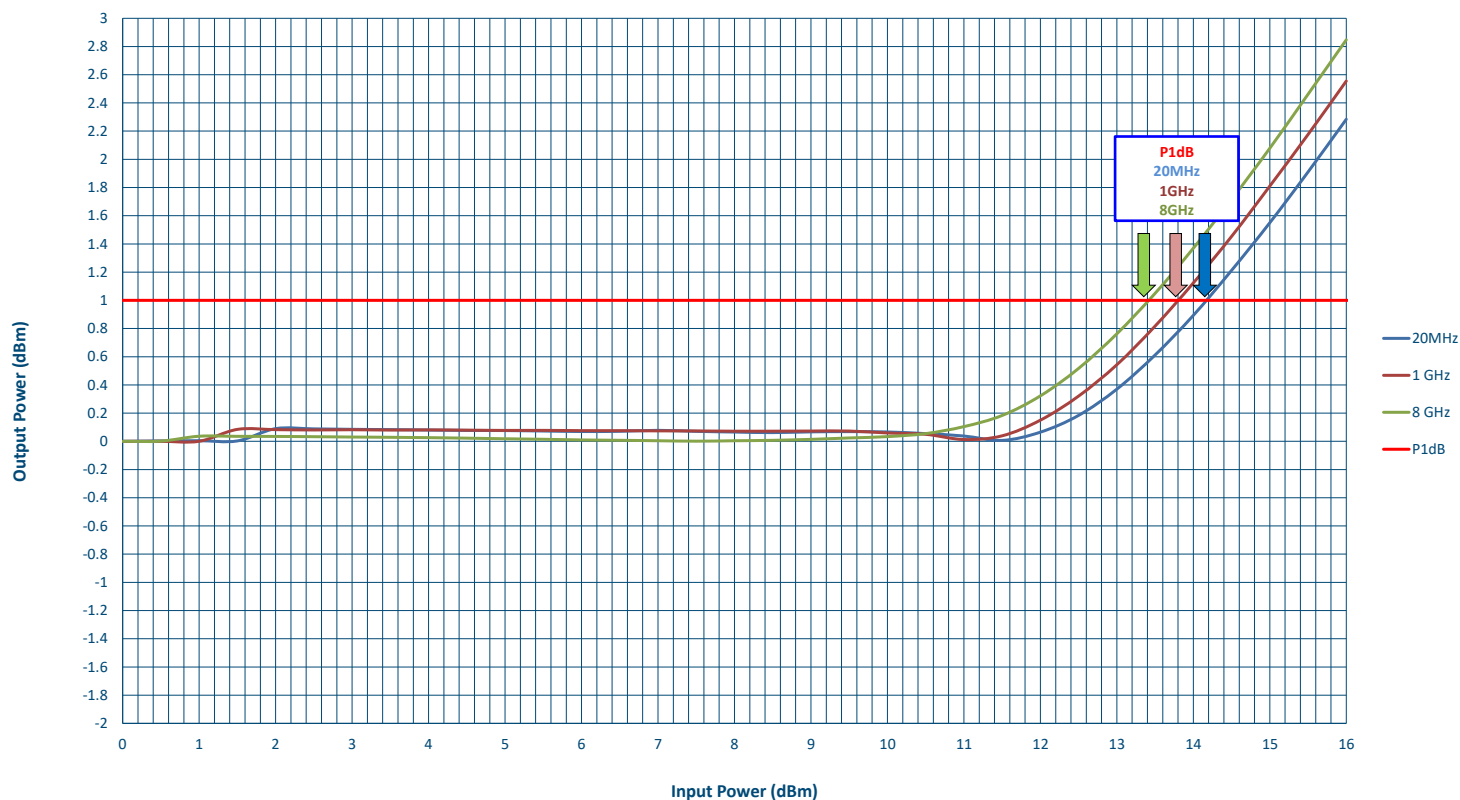
P1dB Graph 30GHz to 40GHz @ (-55°C)



P1dB Data (30GHz to 40GHz)											
30 GHz				35 GHz				40 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.785	0.7849	0.000	0.0	-1.614	1.6139	0.000	0.0	-1.205	1.2054	0.000
0.5	-0.071	0.5714	0.214	0.5	-1.281	1.7812	0.167	0.5	-0.532	1.0917	0.114
1.0	0.435	0.5646	0.220	1.0	-0.759	1.7587	0.145	1.0	-0.092	1.0917	0.114
1.5	0.946	0.5536	0.231	1.5	-0.236	1.7360	0.122	1.5	0.407	1.0929	0.113
2.0	1.456	0.5437	0.241	2.0	0.287	1.7127	0.099	2.0	0.906	1.0938	0.112
2.5	1.967	0.5327	0.252	2.5	0.811	1.6894	0.076	2.5	1.406	1.0941	0.111
3.0	2.479	0.5213	0.264	3.0	1.337	1.6629	0.049	3.0	1.906	1.0937	0.112
3.5	2.990	0.5105	0.274	3.5	1.865	1.6349	0.021	3.5	2.409	1.0908	0.115
4.0	3.501	0.4993	0.286	4.0	2.394	1.6060	0.008	4.0	2.913	1.0873	0.118
4.5	4.011	0.4890	0.296	4.5	2.922	1.5782	0.036	4.5	3.415	1.0852	0.120
5.0	4.522	0.4778	0.307	5.0	3.452	1.5485	0.065	5.0	3.917	1.0835	0.122
5.5	5.033	0.4667	0.318	5.5	3.980	1.5199	0.094	5.5	4.418	1.0820	0.123
6.0	5.544	0.4565	0.328	6.0	4.507	1.4926	0.121	6.0	4.918	1.0820	0.123
6.5	6.055	0.4453	0.340	6.5	5.035	1.4655	0.148	6.5	5.416	1.0838	0.122
7.0	6.565	0.4347	0.350	7.0	5.561	1.4389	0.175	7.0	5.912	1.0884	0.117
7.5	7.076	0.4241	0.361	7.5	6.087	1.4134	0.201	7.5	6.405	1.0954	0.110
8.0	7.587	0.4126	0.372	8.0	6.613	1.3869	0.227	8.0	6.896	1.1042	0.101
8.5	8.091	0.4095	0.375	8.5	7.140	1.3605	0.253	8.5	7.384	1.1159	0.090
9.0	8.607	0.3930	0.392	9.0	7.664	1.3356	0.278	9.0	7.868	1.1321	0.073
9.5	9.109	0.3909	0.394	9.5	8.185	1.3153	0.299	9.5	8.347	1.1531	0.052
10.0	9.615	0.3849	0.400	10.0	8.717	1.2826	0.331	10.0	8.823	1.1766	0.029
10.5	10.128	0.3720	0.413	10.5	9.232	1.2679	0.346	10.5	9.275	1.2246	0.019
11.0	10.623	0.3770	0.408	11.0	9.755	1.2453	0.369	11.0	9.707	1.2926	0.087
11.5	11.120	0.3800	0.405	11.5	10.260	1.2400	0.374	11.5	10.064	1.4360	0.231
12.0	11.584	0.4160	0.369	12.0	10.738	1.2620	0.352	12.0	10.369	1.6310	0.426
12.5	11.973	0.5270	0.258	12.5	11.134	1.3660	0.248	12.5	10.600	1.9000	0.695
13.0	12.286	0.7140	0.071	13.0	11.439	1.5610	0.053	13.0	10.784	2.2160	1.011
13.5	12.518	0.9820	0.197	13.5	11.648	1.8520	0.238	13.5	10.918	2.5820	1.377
14.0	12.667	1.3330	0.548	14.0	11.803	2.1970	0.583	14.0	11.015	2.9850	1.780
14.5	12.770	1.7300	0.945	14.5	11.936	2.5640	0.950	14.5	11.077	3.4230	2.218
15.0	12.848	2.1520	1.367	15.0	12.058	2.9420	1.328	15.0	11.114	3.8860	2.681
15.5	12.919	2.5810	1.796	15.5	12.176	3.3240	1.710	15.5	11.126	4.3740	3.169
16.0	12.982	3.0180	2.233	16.0	12.294	3.7060	2.092	16.0	11.114	4.8860	3.681

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

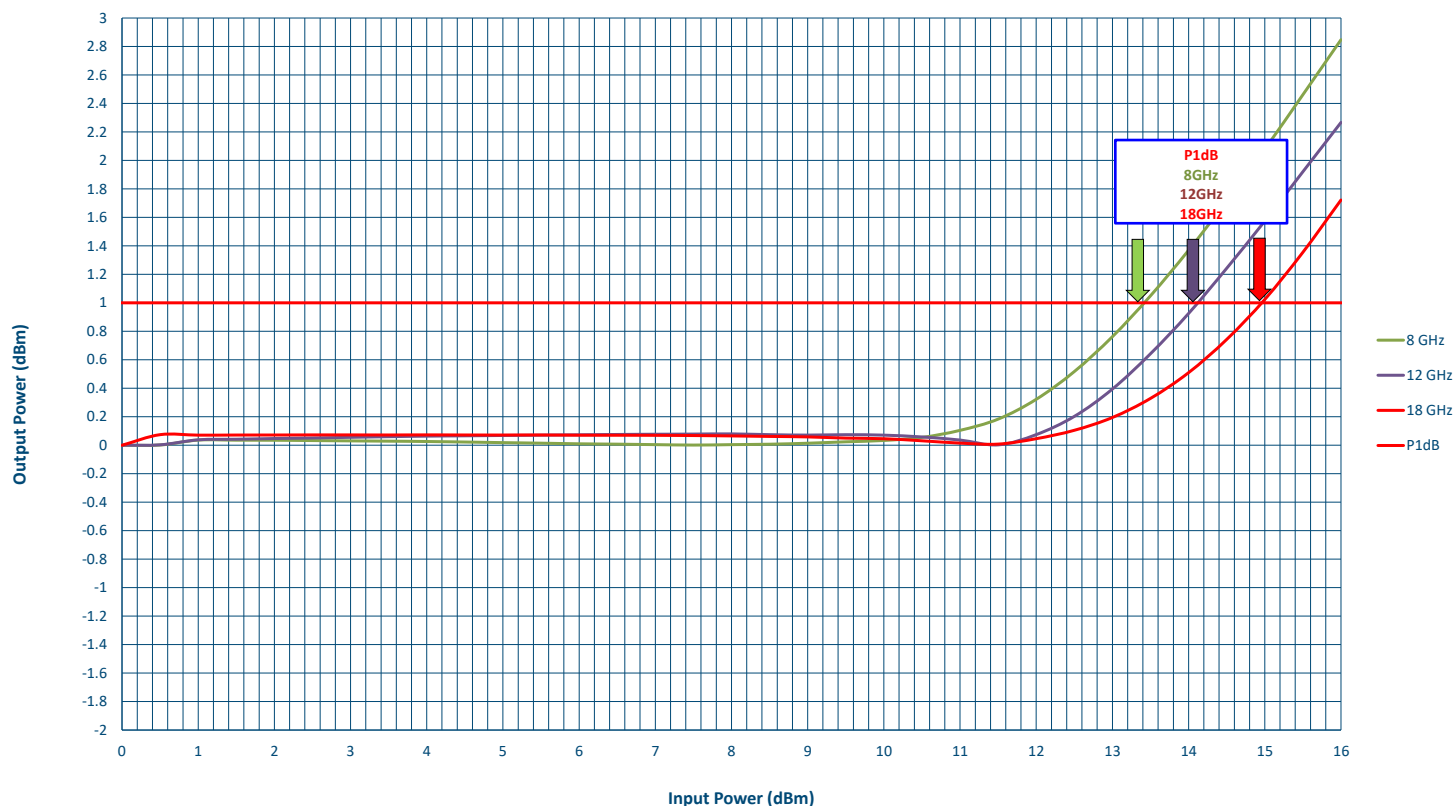
P1dB 20MHz to 8GHz @ (+85°C)



P1dB Data (20 MHz to 8GHz)											
20MHz				1 GHz				8 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.067	0.0668	0.000	0.0	-0.158	0.1578	0.000	0.0	-0.704	0.7035	0.000
0.5	0.430	0.0697	0.003	0.5	0.343	0.1575	0.000	0.5	-0.205	0.7051	0.002
1.0	0.929	0.0715	0.005	1.0	0.843	0.1574	0.000	1.0	0.333	0.6672	0.036
1.5	1.430	0.0698	0.003	1.5	1.427	0.0730	0.085	1.5	0.832	0.6681	0.035
2.0	2.023	-0.0233	0.090	2.0	1.925	0.0749	0.083	2.0	1.331	0.6686	0.035
2.5	2.522	-0.0216	0.088	2.5	2.423	0.0771	0.081	2.5	1.829	0.6706	0.033
3.0	3.018	-0.0183	0.085	3.0	2.925	0.0755	0.082	3.0	2.327	0.6729	0.031
3.5	3.517	-0.0165	0.083	3.5	3.422	0.0778	0.080	3.5	2.825	0.6749	0.029
4.0	4.013	-0.0133	0.080	4.0	3.924	0.0765	0.081	4.0	3.323	0.6773	0.026
4.5	4.511	-0.0106	0.077	4.5	4.422	0.0784	0.079	4.5	3.819	0.6810	0.023
5.0	5.010	-0.0096	0.076	5.0	4.920	0.0803	0.077	5.0	4.315	0.6852	0.018
5.5	5.507	-0.0065	0.073	5.5	5.420	0.0800	0.078	5.5	4.811	0.6889	0.015
6.0	6.003	-0.0028	0.070	6.0	5.918	0.0819	0.076	6.0	5.307	0.6935	0.010
6.5	6.504	-0.0043	0.071	6.5	6.418	0.0820	0.076	6.5	5.804	0.6960	0.008
7.0	7.011	-0.0112	0.078	7.0	6.917	0.0835	0.074	7.0	6.301	0.6992	0.004
7.5	7.504	-0.0041	0.071	7.5	7.416	0.0840	0.074	7.5	6.798	0.7023	0.001
8.0	7.999	0.0009	0.066	8.0	7.914	0.0858	0.072	8.0	7.292	0.7077	0.004
8.5	8.495	0.0048	0.062	8.5	8.414	0.0856	0.072	8.5	7.789	0.7108	0.007
9.0	9.000	-0.0004	0.067	9.0	8.915	0.0847	0.073	9.0	8.282	0.7176	0.014
9.5	9.502	-0.0022	0.069	9.5	9.415	0.0847	0.073	9.5	8.772	0.7276	0.024
10.0	10.000	0.0004	0.066	10.0	9.901	0.0986	0.059	10.0	9.263	0.7370	0.034
10.5	10.488	0.0120	0.055	10.5	10.392	0.1080	0.050	10.5	9.742	0.7585	0.055
11.0	10.971	0.0290	0.038	11.0	10.855	0.1450	0.013	11.0	10.192	0.8080	0.105
11.5	11.440	0.0600	0.007	11.5	11.303	0.1970	0.039	11.5	10.613	0.8870	0.184
12.0	11.868	0.1320	0.065	12.0	11.692	0.3080	0.150	12.0	10.974	1.0260	0.323
12.5	12.249	0.2510	0.184	12.5	12.021	0.4790	0.321	12.5	11.279	1.2210	0.518
13.0	12.563	0.4370	0.370	13.0	12.299	0.7010	0.543	13.0	11.534	1.4660	0.762
13.5	12.821	0.6790	0.612	13.5	12.525	0.9750	0.817	13.5	11.747	1.7530	1.050
14.0	13.040	0.9600	0.893	14.0	12.719	1.2810	1.123	14.0	11.927	2.0730	1.370
14.5	13.221	1.2790	1.212	14.5	12.889	1.6110	1.453	14.5	12.081	2.4190	1.716
15.0	13.383	1.6170	1.550	15.0	13.032	1.9680	1.810	15.0	12.218	2.7820	2.079
15.5	13.523	1.9770	1.910	15.5	13.166	2.3340	2.176	15.5	12.335	3.1650	2.462
16.0	13.649	2.3510	2.284	16.0	13.287	2.7130	2.555	16.0	12.449	3.5510	2.848

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

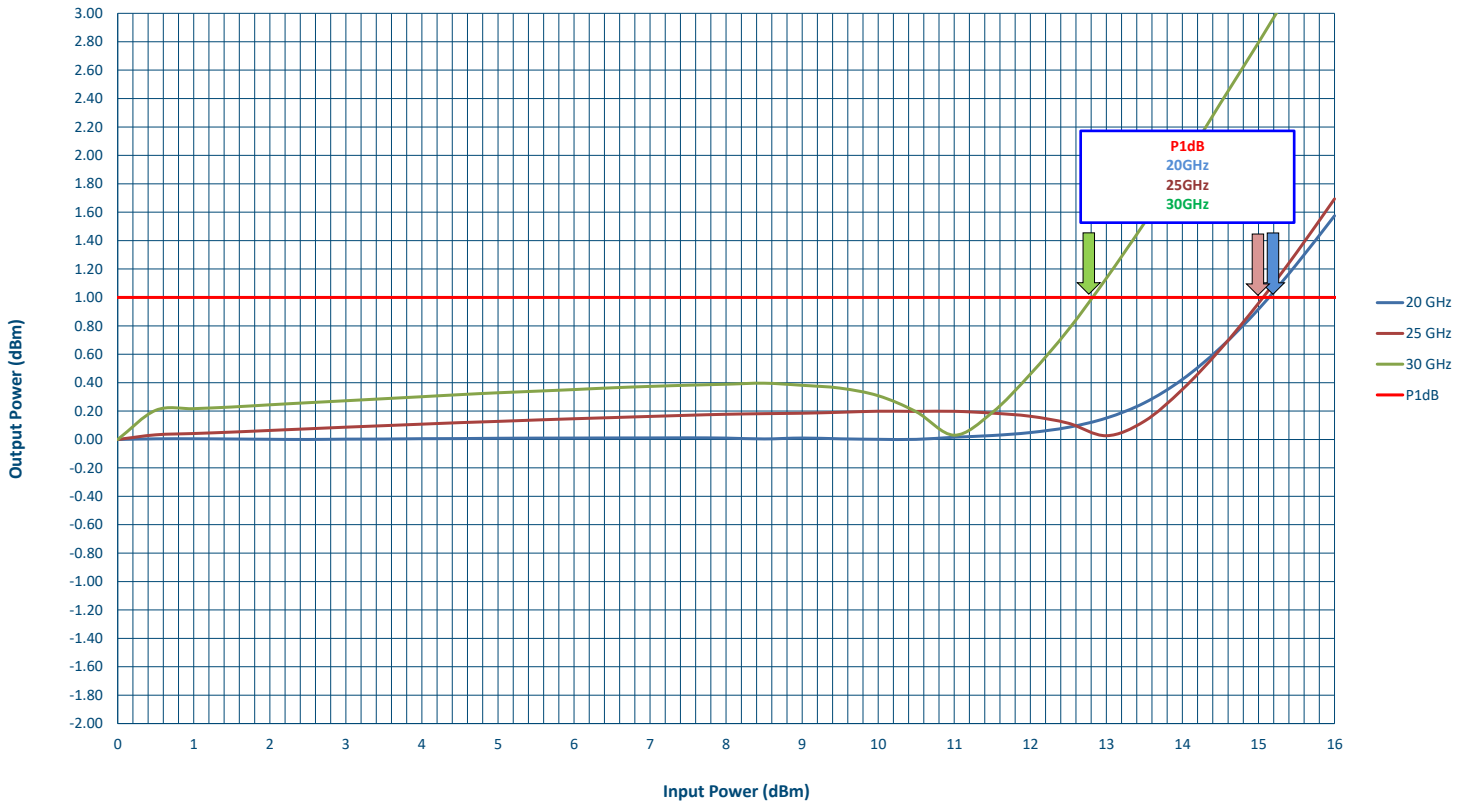
P1dB 8GHz to 18GHz @ (+85°C)



P1dB Data (8 GHz to 18GHz)											
8 GHz				12 GHz				18 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.704	0.7035	0.000	0.0	-1.010	1.0104	0.000	0.0	-1.448	1.4481	0.000
0.5	-0.205	0.7051	0.002	0.5	-0.507	1.0074	0.003	0.5	-0.874	1.3738	0.074
1.0	0.333	0.6672	0.036	1.0	0.028	0.9725	0.038	1.0	-0.377	1.3773	0.071
1.5	0.832	0.6681	0.035	1.5	0.532	0.9682	0.042	1.5	0.124	1.3764	0.072
2.0	1.331	0.6686	0.035	2.0	1.037	0.9633	0.047	2.0	0.624	1.3763	0.072
2.5	1.829	0.6706	0.033	2.5	1.541	0.9593	0.051	2.5	1.124	1.3756	0.073
3.0	2.327	0.6729	0.031	3.0	2.045	0.9548	0.056	3.0	1.624	1.3756	0.073
3.5	2.825	0.6749	0.029	3.5	2.550	0.9502	0.060	3.5	2.124	1.3760	0.072
4.0	3.323	0.6773	0.026	4.0	3.054	0.9465	0.064	4.0	2.625	1.3753	0.073
4.5	3.819	0.6810	0.023	4.5	3.556	0.9442	0.066	4.5	3.124	1.3760	0.072
5.0	4.315	0.6852	0.018	5.0	4.058	0.9418	0.069	5.0	3.624	1.3764	0.072
5.5	4.811	0.6889	0.015	5.5	4.560	0.9396	0.071	5.5	4.124	1.3760	0.072
6.0	5.307	0.6935	0.010	6.0	5.063	0.9371	0.073	6.0	4.622	1.3776	0.070
6.5	5.804	0.6960	0.008	6.5	5.565	0.9348	0.076	6.5	5.122	1.3779	0.070
7.0	6.301	0.6992	0.004	7.0	6.067	0.9332	0.077	7.0	5.621	1.3786	0.070
7.5	6.798	0.7023	0.001	7.5	6.568	0.9321	0.078	7.5	6.120	1.3801	0.068
8.0	7.292	0.7077	0.004	8.0	7.069	0.9307	0.080	8.0	6.617	1.3827	0.065
8.5	7.789	0.7108	0.007	8.5	7.564	0.9362	0.074	8.5	7.114	1.3862	0.062
9.0	8.282	0.7176	0.014	9.0	8.061	0.9391	0.071	9.0	7.611	1.3895	0.059
9.5	8.772	0.7276	0.024	9.5	8.564	0.9364	0.074	9.5	8.102	1.3981	0.050
10.0	9.263	0.7370	0.034	10.0	9.061	0.9395	0.071	10.0	8.598	1.4023	0.046
10.5	9.742	0.7585	0.055	10.5	9.548	0.9523	0.058	10.5	9.083	1.4169	0.031
11.0	10.192	0.8080	0.105	11.0	10.026	0.9740	0.036	11.0	9.567	1.4332	0.015
11.5	10.613	0.8870	0.184	11.5	10.487	1.0130	0.003	11.5	10.044	1.4560	0.008
12.0	10.974	1.0260	0.323	12.0	10.915	1.0850	0.075	12.0	10.506	1.4940	0.046
12.5	11.279	1.2210	0.518	12.5	11.287	1.2130	0.203	12.5	10.947	1.5530	0.105
13.0	11.534	1.4660	0.762	13.0	11.595	1.4050	0.395	13.0	11.357	1.6430	0.195
13.5	11.747	1.7530	1.050	13.5	11.847	1.6530	0.643	13.5	11.723	1.7770	0.329
14.0	11.927	2.0730	1.370	14.0	12.064	1.9360	0.926	14.0	12.042	1.9580	0.510
14.5	12.081	2.4190	1.716	14.5	12.247	2.2530	1.243	14.5	12.309	2.1910	0.743
15.0	12.218	2.7820	2.079	15.0	12.415	2.5850	1.575	15.0	12.528	2.4720	1.024
15.5	12.335	3.1650	2.462	15.5	12.569	2.9310	1.921	15.5	12.697	2.8030	1.355
16.0	12.449	3.5510	2.848	16.0	12.723	3.2770	2.267	16.0	12.830	3.1700	1.722

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

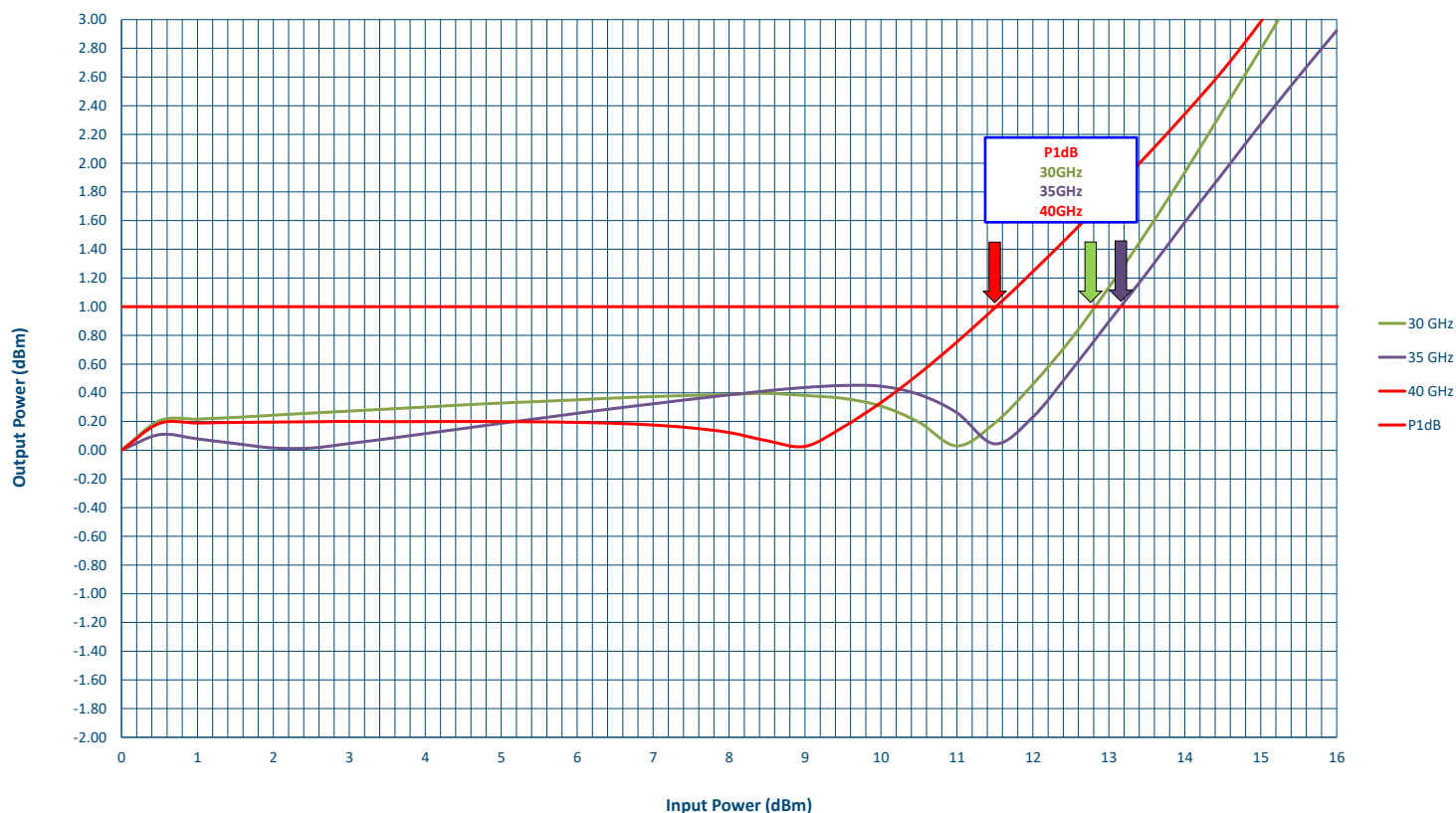
P1dB Graph 20GHz to 30GHz @ (+85°C)



P1dB Data (20GHz to 30GHz)											
20 GHz				25 GHz				30 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-1.368	1.3682	0.000	0.0	-1.494	1.4944	0.000	0.0	-1.577	1.5772	0.000
0.5	-0.873	1.3728	0.005	0.5	-0.962	1.4616	0.033	0.5	-0.872	1.3717	0.206
1.0	-0.373	1.3732	0.005	1.0	-0.452	1.4524	0.042	1.0	-0.360	1.3603	0.217
1.5	0.126	1.3717	0.003	1.5	0.058	1.4425	0.052	1.5	0.151	1.3486	0.229
2.0	0.630	1.3696	0.001	2.0	0.569	1.4308	0.064	2.0	0.667	1.3330	0.244
2.5	1.132	1.3683	0.000	2.5	1.081	1.4193	0.075	2.5	1.182	1.3184	0.259
3.0	1.634	1.3657	0.003	3.0	1.592	1.4078	0.087	3.0	1.696	1.3045	0.273
3.5	2.135	1.3651	0.003	3.5	2.103	1.3972	0.097	3.5	2.210	1.2903	0.287
4.0	2.637	1.3627	0.006	4.0	2.614	1.3865	0.108	4.0	2.724	1.2761	0.301
4.5	3.138	1.3619	0.006	4.5	3.124	1.3759	0.119	4.5	3.239	1.2615	0.316
5.0	3.640	1.3597	0.008	5.0	3.633	1.3671	0.127	5.0	3.752	1.2484	0.329
5.5	4.141	1.3586	0.010	5.5	4.143	1.3573	0.137	5.5	4.263	1.2374	0.340
6.0	4.642	1.3582	0.010	6.0	4.652	1.3485	0.146	6.0	4.774	1.2258	0.351
6.5	5.143	1.3574	0.011	6.5	5.160	1.3403	0.154	6.5	5.287	1.2134	0.364
7.0	5.643	1.3573	0.011	7.0	5.668	1.3321	0.162	7.0	5.797	1.2035	0.374
7.5	6.144	1.3565	0.012	7.5	6.176	1.3241	0.170	7.5	6.305	1.1951	0.382
8.0	6.642	1.3584	0.010	8.0	6.683	1.3169	0.178	8.0	6.812	1.1884	0.389
8.5	7.136	1.3644	0.004	8.5	7.187	1.3126	0.182	8.5	7.319	1.1810	0.396
9.0	7.642	1.3579	0.010	9.0	7.691	1.3095	0.185	9.0	7.804	1.1958	0.381
9.5	8.137	1.3635	0.005	9.5	8.197	1.3030	0.191	9.5	8.284	1.2160	0.361
10.0	8.631	1.3695	0.001	10.0	8.705	1.2954	0.199	10.0	8.731	1.2692	0.308
10.5	9.131	1.3690	0.001	10.5	9.203	1.2968	0.198	10.5	9.118	1.3820	0.195
11.0	9.616	1.3841	0.016	11.0	9.704	1.2960	0.198	11.0	9.453	1.5471	0.030
11.5	10.104	1.3960	0.028	11.5	10.191	1.3090	0.185	11.5	9.733	1.7671	0.190
12.0	10.583	1.4170	0.049	12.0	10.669	1.3310	0.163	12.0	9.963	2.0369	0.460
12.5	11.046	1.4540	0.086	12.5	11.120	1.3800	0.114	12.5	10.160	2.3500	0.773
13.0	11.481	1.5190	0.151	13.0	11.532	1.4680	0.026	13.0	10.288	2.7120	1.135
13.5	11.874	1.6260	0.258	13.5	11.877	1.6230	0.129	13.5	10.399	3.1010	1.524
14.0	12.209	1.7910	0.423	14.0	12.153	1.8470	0.353	14.0	10.488	3.5120	1.935
14.5	12.486	2.0140	0.646	14.5	12.370	2.1300	0.636	14.5	10.556	3.9440	2.367
15.0	12.715	2.2850	0.917	15.0	12.547	2.4530	0.959	15.0	10.629	4.3710	2.794
15.5	12.899	2.6010	1.233	15.5	12.691	2.8090	1.315	15.5	10.688	4.8120	3.235
16.0	13.057	2.9430	1.575	16.0	12.812	3.1880	1.694	16.0	10.750	5.2500	3.673

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

P1dB Graph 30GHz to 40GHz @ (+85°C)

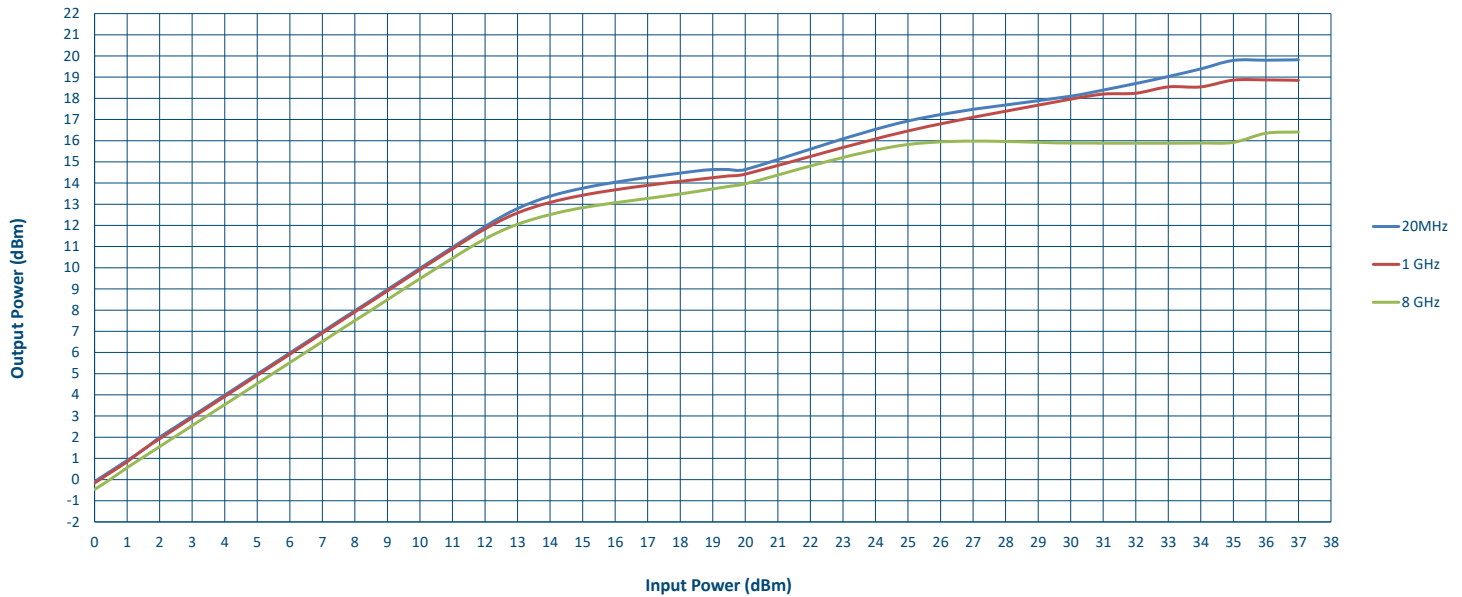


P1dB Data (30GHz to 40GHz)											
30 GHz				35 GHz				40 GHz			
Power Input dBm)	Power Output dBm)	Loss	Compression (dBm)	Power Input dBm)	Power Output dBm)	Loss	Compression (dBm)	Power Input dBm)	Power Output dBm)	Loss	Compression (dBm)
0.0	-1.577	1.5772	0.000	0.0	-2.710	2.7102	0.000	0.0	-3.129	3.1290	0.000
0.5	-0.872	1.3717	0.206	0.5	-2.319	2.8188	0.109	0.5	-2.442	2.9421	0.187
1.0	-0.360	1.3603	0.217	1.0	-1.789	2.7893	0.079	1.0	-1.940	2.9396	0.189
1.5	0.151	1.3486	0.229	1.5	-1.257	2.7566	0.046	1.5	-1.435	2.9351	0.194
2.0	0.667	1.3330	0.244	2.0	-0.726	2.7261	0.016	2.0	-0.933	2.9329	0.196
2.5	1.182	1.3184	0.259	2.5	-0.195	2.6947	0.015	2.5	-0.431	2.9306	0.198
3.0	1.696	1.3045	0.273	3.0	0.337	2.6634	0.047	3.0	0.072	2.9284	0.201
3.5	2.210	1.2903	0.287	3.5	0.870	2.6301	0.080	3.5	0.570	2.9297	0.199
4.0	2.724	1.2761	0.301	4.0	1.406	2.5941	0.116	4.0	1.071	2.9293	0.200
4.5	3.239	1.2615	0.316	4.5	1.941	2.5588	0.151	4.5	1.571	2.9288	0.200
5.0	3.752	1.2484	0.329	5.0	2.477	2.5227	0.188	5.0	2.071	2.9292	0.200
5.5	4.263	1.2374	0.340	5.5	3.012	2.4882	0.222	5.5	2.569	2.9313	0.198
6.0	4.774	1.2258	0.351	6.0	3.547	2.4528	0.257	6.0	3.065	2.9351	0.194
6.5	5.287	1.2134	0.364	6.5	4.081	2.4186	0.292	6.5	3.558	2.9418	0.187
7.0	5.797	1.2035	0.374	7.0	4.613	2.3869	0.323	7.0	4.047	2.9532	0.176
7.5	6.305	1.1951	0.382	7.5	5.145	2.3547	0.356	7.5	4.527	2.9733	0.156
8.0	6.812	1.1884	0.389	8.0	5.675	2.3249	0.385	8.0	4.994	3.0056	0.123
8.5	7.319	1.1810	0.396	8.5	6.204	2.2962	0.414	8.5	5.437	3.0628	0.066
9.0	7.804	1.1958	0.381	9.0	6.727	2.2731	0.437	9.0	5.844	3.1560	0.027
9.5	8.284	1.2160	0.361	9.5	7.241	2.2592	0.451	9.5	6.210	3.2900	0.161
10.0	8.731	1.2692	0.308	10.0	7.736	2.2644	0.446	10.0	6.539	3.4612	0.332
10.5	9.118	1.3820	0.195	10.5	8.178	2.3216	0.389	10.5	6.839	3.6612	0.532
11.0	9.453	1.5471	0.030	11.0	8.551	2.4491	0.261	11.0	7.117	3.8834	0.754
11.5	9.733	1.7671	0.190	11.5	8.834	2.6659	0.044	11.5	7.378	4.1217	0.993
12.0	9.963	2.0369	0.460	12.0	9.059	2.9415	0.231	12.0	7.627	4.3735	1.245
12.5	10.150	2.3500	0.773	12.5	9.237	3.2629	0.553	12.5	7.865	4.6349	1.506
13.0	10.288	2.7120	1.135	13.0	9.394	3.6059	0.896	13.0	8.095	4.9046	1.776
13.5	10.399	3.1010	1.524	13.5	9.555	3.9450	1.235	13.5	8.317	5.1827	2.054
14.0	10.488	3.5120	1.935	14.0	9.701	4.2989	1.589	14.0	8.529	5.4713	2.342
14.5	10.556	3.9440	2.367	14.5	9.860	4.6401	1.930	14.5	8.726	5.7744	2.645
15.0	10.629	4.3710	2.794	15.0	10.017	4.9830	2.273	15.0	8.885	6.1149	2.986
15.5	10.688	4.8120	3.235	15.5	10.185	5.3150	2.605	15.5	9.013	6.4875	3.359
16.0	10.750	5.2500	3.673	16.0	10.366	5.6340	2.924	16.0	9.143	6.8572	3.728



Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

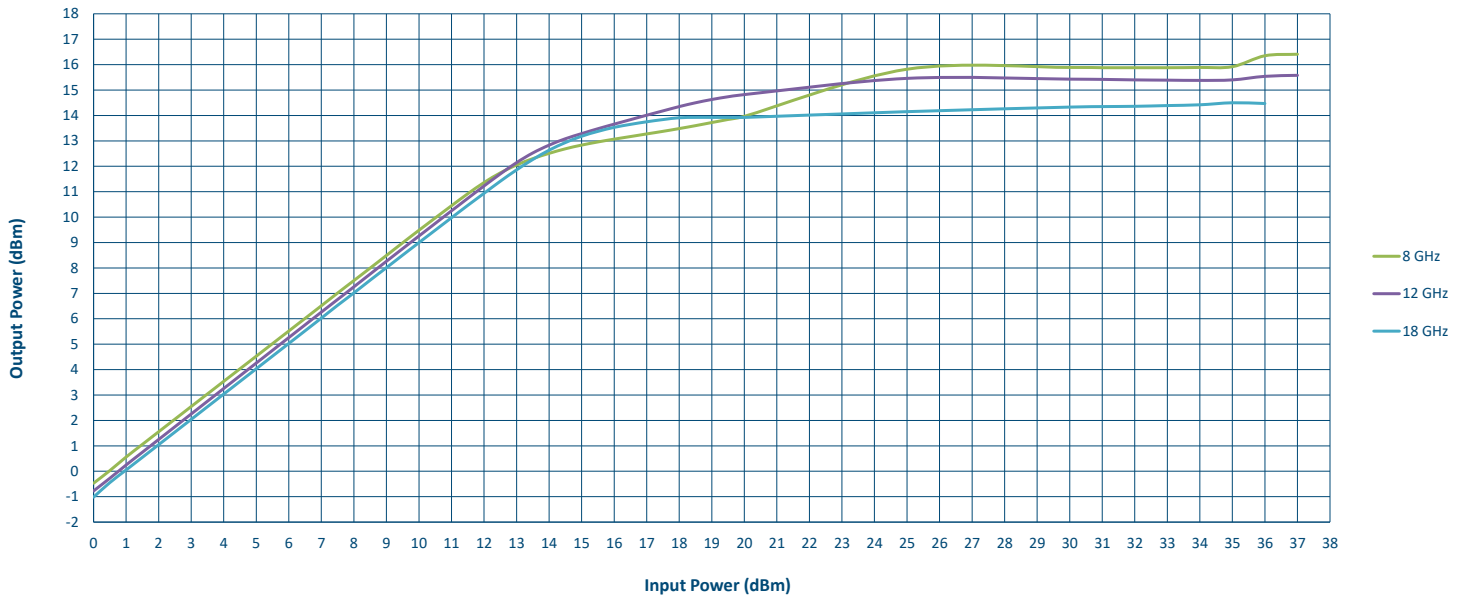
High Power Test Graph 20MHz to 8GHz CW (+25°C)



High Power Test Data 20MHz to 8GHz (CW)											
20MHz				1 GHz				8 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.095	0.095	0.000	0.0	-0.163	0.163	0.000	0.0	-0.469	0.469	0.000
0.5	0.403	0.097	0.003	0.5	0.338	0.162	0.001	0.5	0.027	0.473	0.004
1.0	0.901	0.099	0.004	1.0	0.837	0.163	0.001	1.0	0.561	0.439	0.030
1.5	1.404	0.096	0.002	1.5	1.425	0.075	0.088	1.5	1.059	0.442	0.027
2.0	1.996	0.004	0.091	2.0	1.924	0.076	0.087	2.0	1.555	0.445	0.024
2.5	2.495	0.005	0.090	2.5	2.422	0.078	0.085	2.5	2.051	0.450	0.019
3.0	2.993	0.007	0.087	3.0	2.923	0.077	0.086	3.0	2.547	0.453	0.016
3.5	3.490	0.011	0.084	3.5	3.420	0.080	0.084	3.5	3.044	0.456	0.013
4.0	3.987	0.013	0.081	4.0	3.921	0.079	0.084	4.0	3.539	0.461	0.008
4.5	4.484	0.016	0.078	4.5	4.419	0.081	0.082	4.5	4.034	0.466	0.002
5.0	4.983	0.017	0.077	5.0	4.917	0.083	0.080	5.0	4.528	0.472	0.003
5.5	5.479	0.021	0.074	5.5	5.417	0.083	0.080	5.5	5.024	0.476	0.007
6.0	5.976	0.024	0.071	6.0	5.914	0.086	0.077	6.0	5.519	0.481	0.012
6.5	6.477	0.023	0.071	6.5	6.414	0.086	0.077	6.5	6.016	0.484	0.015
7.0	6.975	0.025	0.069	7.0	6.913	0.087	0.076	7.0	6.512	0.489	0.020
7.5	7.478	0.022	0.073	7.5	7.416	0.084	0.079	7.5	7.014	0.486	0.017
8.0	7.970	0.030	0.065	8.0	7.914	0.086	0.077	8.0	7.504	0.496	0.027
8.5	8.464	0.036	0.059	8.5	8.404	0.096	0.067	8.5	7.996	0.505	0.036
9.0	8.973	0.027	0.067	9.0	8.906	0.094	0.069	9.0	8.492	0.508	0.039
9.5	9.469	0.031	0.064	9.5	9.407	0.093	0.070	9.5	8.991	0.509	0.040
10.0	9.974	0.026	0.069	10.0	9.905	0.095	0.068	10.0	9.483	0.517	0.048
10.5	10.468	0.032	0.063	10.5	10.402	0.098	0.065	10.5	9.968	0.532	0.064
11.0	10.965	0.035	0.060	11.0	10.891	0.109	0.054	11.0	10.448	0.552	0.083
11.5	11.458	0.042	0.053	11.5	11.376	0.124	0.039	11.5	10.921	0.579	0.110
12.0	11.943	0.057	0.038	12.0	11.832	0.168	0.005	12.0	11.360	0.640	0.171
12.5	12.402	0.098	0.003	12.5	12.244	0.256	0.093	12.5	11.740	0.760	0.291
13.0	12.797	0.203	0.108	13.0	12.591	0.409	0.246	13.0	12.052	0.948	0.479
13.5	13.117	0.383	0.288	13.5	12.862	0.638	0.475	13.5	12.302	1.198	0.729
14.0	13.378	0.622	0.527	14.0	13.085	0.915	0.752	14.0	12.509	1.491	1.022
14.5	13.585	0.915	0.820	14.5	13.268	1.232	1.069	14.5	12.689	1.811	1.342
15.0	13.756	1.244	1.149	15.0	13.424	1.576	1.413	15.0	12.835	2.165	1.696
15.5	13.908	1.592	1.497	15.5	13.560	1.940	1.777	15.5	12.958	2.542	2.073
16.0	14.035	1.965	1.870	16.0	13.678	2.322	2.159	16.0	13.069	2.931	2.462
16.5	14.158	2.342	2.247	16.5	13.790	2.710	2.547	16.5	13.170	3.330	2.861
17.0	14.269	2.731	2.636	17.0	13.889	3.111	2.948	17.0	13.274	3.726	3.257
17.5	14.371	3.129	3.034	17.5	13.988	3.512	3.349	17.5	13.376	4.124	3.655
18.0	14.469	3.531	3.436	18.0	14.078	3.922	3.759	18.0	13.485	4.515	4.046
18.5	14.567	3.933	3.838	18.5	14.165	4.335	4.172	18.5	13.600	4.900	4.431
19.0	14.638	4.362	4.267	19.0	14.253	4.747	4.584	19.0	13.722	5.278	4.809
19.5	14.638	4.862	4.767	19.5	14.338	5.162	4.999	19.5	13.843	5.657	5.188
20.0	14.638	5.362	5.267	20.0	14.419	5.581	5.418	20.0	13.966	6.034	5.565
25.0	16.930	8.070	7.975	25.0	16.460	8.540	8.377	25.0	15.820	9.180	8.711
30.0	18.100	11.900	11.805	30.0	17.960	12.040	11.877	30.0	15.890	14.110	13.641
31.0	18.390	12.610	12.515	31.0	18.200	12.800	12.637	31.0	15.880	15.120	14.651
32.0	18.700	13.300	13.205	32.0	18.240	13.760	13.597	32.0	15.880	16.120	15.651
33.0	19.030	13.970	13.875	33.0	18.540	14.460	14.297	33.0	15.880	17.120	16.651
34.0	19.390	14.610	14.515	34.0	18.540	15.460	15.297	34.0	15.890	18.110	17.641
35.0	19.790	15.210	15.115	35.0	18.860	16.140	15.977	35.0	15.920	19.080	18.611
36.0	19.800	16.200	16.105	36.0	18.870	17.130	16.967	36.0	16.350	19.650	19.181
37.0	19.820	17.180	17.085	37.0	18.850	18.150	17.987	37.0	16.410	20.590	20.121
DO NOT EXCEED											

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

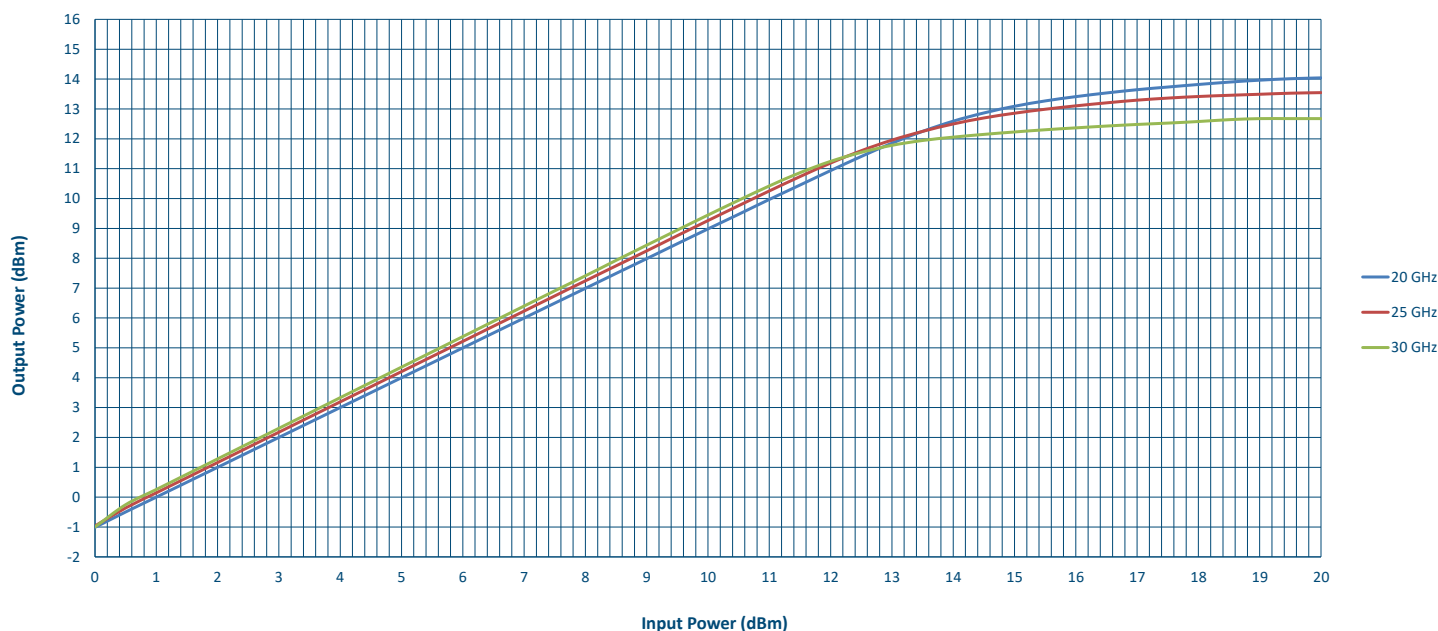
High Power Test Graph 8GHz to 18GHz CW (+25°C)



High Power Test Data 8GHz to 18GHz (CW)											
8 GHz				12 GHz				18 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.469	0.469	0.000	0.0	-0.773	0.773	0.000	0.0	-1.016	1.016	0.000
0.5	0.027	0.473	0.004	0.5	-0.274	0.774	0.000	0.5	-0.445	0.945	0.072
1.0	0.561	0.439	0.030	1.0	0.247	0.753	0.021	1.0	0.052	0.948	0.069
1.5	1.059	0.442	0.027	1.5	0.749	0.751	0.023	1.5	0.549	0.952	0.065
2.0	1.555	0.445	0.024	2.0	1.252	0.749	0.025	2.0	1.047	0.953	0.063
2.5	2.051	0.450	0.019	2.5	1.753	0.747	0.026	2.5	1.544	0.956	0.061
3.0	2.547	0.453	0.016	3.0	2.254	0.746	0.028	3.0	2.042	0.958	0.058
3.5	3.044	0.456	0.013	3.5	2.756	0.744	0.029	3.5	2.540	0.960	0.057
4.0	3.539	0.461	0.008	4.0	3.258	0.742	0.031	4.0	3.038	0.962	0.054
4.5	4.034	0.466	0.002	4.5	3.758	0.742	0.031	4.5	3.535	0.965	0.051
5.0	4.528	0.472	0.003	5.0	4.259	0.741	0.033	5.0	4.034	0.966	0.050
5.5	5.024	0.476	0.007	5.5	4.760	0.740	0.033	5.5	4.531	0.969	0.048
6.0	5.519	0.481	0.012	6.0	5.261	0.739	0.034	6.0	5.029	0.971	0.046
6.5	6.016	0.484	0.015	6.5	5.762	0.739	0.035	6.5	5.527	0.973	0.043
7.0	6.512	0.489	0.020	7.0	6.263	0.738	0.036	7.0	6.026	0.974	0.043
7.5	7.014	0.486	0.017	7.5	6.760	0.740	0.034	7.5	6.531	0.969	0.048
8.0	7.504	0.496	0.027	8.0	7.257	0.743	0.031	8.0	7.018	0.982	0.034
8.5	7.996	0.505	0.036	8.5	7.761	0.740	0.034	8.5	7.519	0.981	0.035
9.0	8.492	0.508	0.039	9.0	8.262	0.738	0.035	9.0	8.010	0.990	0.026
9.5	8.991	0.509	0.040	9.5	8.761	0.739	0.035	9.5	8.507	0.993	0.023
10.0	9.483	0.517	0.048	10.0	9.257	0.743	0.031	10.0	8.998	1.002	0.014
10.5	9.968	0.532	0.064	10.5	9.753	0.747	0.026	10.5	9.487	1.013	0.003
11.0	10.448	0.552	0.083	11.0	10.248	0.752	0.021	11.0	9.976	1.024	0.008
11.5	10.921	0.579	0.110	11.5	10.739	0.761	0.012	11.5	10.462	1.038	0.022
12.0	11.360	0.640	0.171	12.0	11.226	0.774	0.001	12.0	10.937	1.063	0.047
12.5	11.740	0.760	0.291	12.5	11.699	0.801	0.028	12.5	11.412	1.088	0.072
13.0	12.052	0.948	0.479	13.0	12.145	0.855	0.082	13.0	11.859	1.141	0.125
13.5	12.302	1.198	0.729	13.5	12.526	0.974	0.201	13.5	12.269	1.231	0.215
14.0	12.509	1.491	1.022	14.0	12.833	1.167	0.394	14.0	12.634	1.366	0.350
14.5	12.689	1.811	1.342	14.5	13.084	1.416	0.643	14.5	12.934	1.566	0.550
15.0	12.835	2.165	1.696	15.0	13.287	1.713	0.940	15.0	13.183	1.817	0.801
15.5	12.958	2.542	2.073	15.5	13.479	2.021	1.248	15.5	13.374	2.126	1.110
16.0	13.069	2.931	2.462	16.0	13.659	2.341	1.568	16.0	13.532	2.468	1.452
16.5	13.170	3.330	2.861	16.5	13.835	2.665	1.892	16.5	13.650	2.850	1.834
17.0	13.274	3.726	3.257	17.0	14.011	2.989	2.216	17.0	13.752	3.248	2.232
17.5	13.376	4.124	3.655	17.5	14.181	3.319	2.546	17.5	13.839	3.661	2.645
18.0	13.485	4.515	4.046	18.0	14.350	3.650	2.877	18.0	13.910	4.090	3.074
18.5	13.600	4.900	4.431	18.5	14.500	4.000	3.227	18.5	13.924	4.576	3.560
19.0	13.722	5.278	4.809	19.0	14.629	4.371	3.598	19.0	13.924	5.076	4.060
19.5	13.843	5.657	5.188	19.5	14.736	4.764	3.991	19.5	13.924	5.576	4.560
20.0	13.966	6.034	5.565	20.0	14.822	5.178	4.405	20.0	13.923	6.077	5.061
25.0	15.820	9.180	8.711	25.0	15.460	9.540	8.767	25.0	14.150	10.850	9.834
30.0	15.890	14.110	13.641	30.0	15.430	14.570	13.797	30.0	14.330	15.670	14.654
31.0	15.890	15.120	14.651	31.0	15.420	15.580	14.807	31.0	14.350	16.650	15.634
32.0	15.890	16.120	15.651	32.0	15.400	16.600	15.827	32.0	14.360	17.640	16.624
33.0	15.890	17.120	16.651	33.0	15.390	17.610	16.837	33.0	14.390	18.610	17.594
34.0	15.890	18.110	17.641	34.0	15.380	18.620	17.847	34.0	14.420	19.580	18.564
35.0	15.920	19.080	18.611	35.0	15.400	19.600	18.827	35.0	14.500	20.500	19.484
36.0	16.350	19.650	19.181	36.0	15.540	20.460	19.687	36.0	14.470	21.530	20.514
37.0	16.410	20.590	20.121	37.0	15.580	21.420	20.647	37.0			
DO NOT EXCEED								DO NOT EXCEED			

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

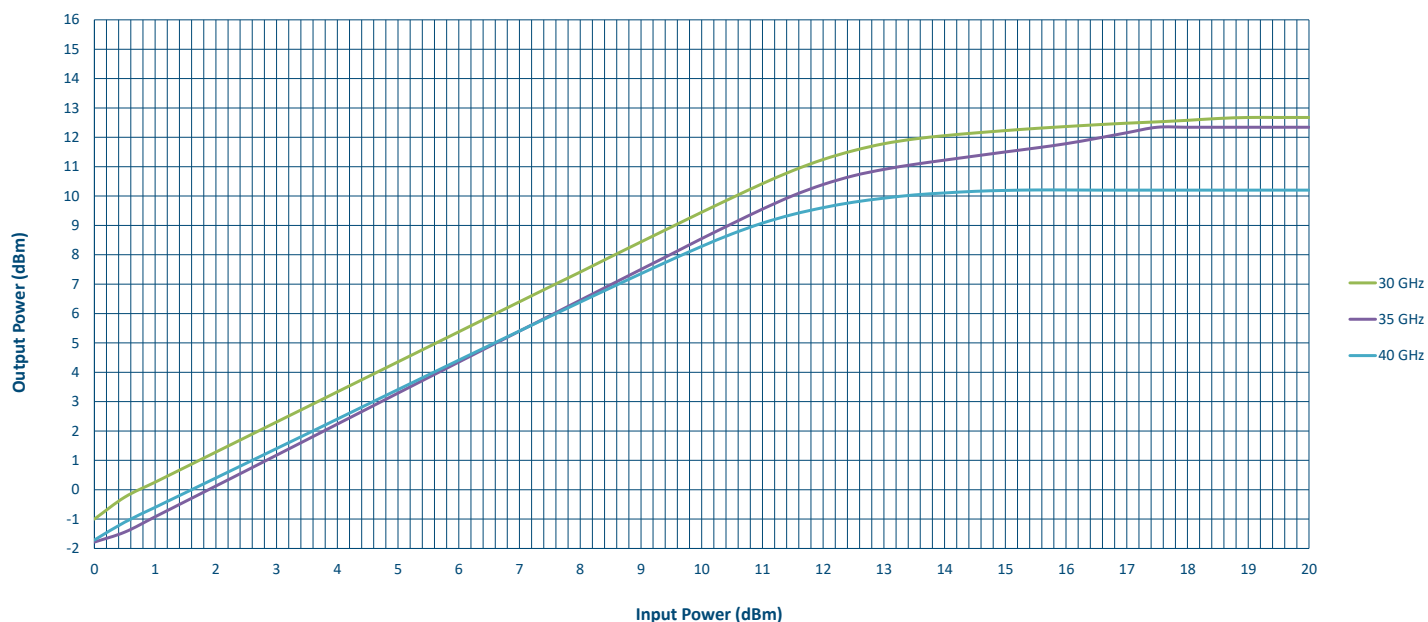
High Power Test Graph 20GHz to 30GHz CW (+25°C)



High Power Test Data 20GHz to 30GHz (CW)											
20 GHz				25 GHz				30 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-1.011	1.011	0.000	0.0	-0.964	0.964	0.000	0.0	-0.998	0.998	0.000
0.5	-0.495	0.995	0.016	0.5	-0.360	0.960	0.104	0.5	-0.252	0.752	0.246
1.0	0.002	0.999	0.012	1.0	0.146	0.854	0.110	1.0	0.258	0.742	0.256
1.5	0.502	0.998	0.012	1.5	0.654	0.846	0.118	1.5	0.770	0.730	0.268
2.0	1.000	1.000	0.011	2.0	1.161	0.839	0.125	2.0	1.282	0.718	0.280
2.5	1.501	0.999	0.012	2.5	1.669	0.831	0.133	2.5	1.794	0.706	0.292
3.0	2.001	0.999	0.012	3.0	2.177	0.823	0.140	3.0	2.307	0.694	0.305
3.5	2.501	0.999	0.012	3.5	2.683	0.817	0.147	3.5	2.818	0.682	0.316
4.0	3.001	0.999	0.012	4.0	3.191	0.809	0.155	4.0	3.332	0.668	0.330
4.5	3.500	1.000	0.011	4.5	3.698	0.802	0.162	4.5	3.843	0.657	0.341
5.0	4.000	1.000	0.011	5.0	4.205	0.795	0.169	5.0	4.355	0.645	0.353
5.5	4.499	1.001	0.010	5.5	4.712	0.788	0.175	5.5	4.866	0.634	0.364
6.0	4.999	1.001	0.010	6.0	5.218	0.782	0.182	6.0	5.378	0.622	0.376
6.5	5.499	1.001	0.010	6.5	5.725	0.775	0.188	6.5	5.889	0.611	0.387
7.0	5.998	1.002	0.009	7.0	6.231	0.769	0.195	7.0	6.400	0.600	0.398
7.5	6.497	1.003	0.008	7.5	6.740	0.760	0.203	7.5	6.910	0.590	0.408
8.0	6.993	1.008	0.003	8.0	7.244	0.756	0.208	8.0	7.413	0.588	0.411
8.5	7.492	1.008	0.002	8.5	7.747	0.753	0.210	8.5	7.929	0.571	0.427
9.0	7.987	1.013	0.003	9.0	8.247	0.753	0.211	9.0	8.438	0.562	0.436
9.5	8.488	1.012	0.001	9.5	8.758	0.742	0.221	9.5	8.945	0.555	0.443
10.0	8.983	1.017	0.006	10.0	9.263	0.737	0.226	10.0	9.449	0.551	0.447
10.5	9.473	1.027	0.017	10.5	9.761	0.739	0.224	10.5	9.941	0.559	0.439
11.0	9.970	1.030	0.020	11.0	10.254	0.746	0.218	11.0	10.422	0.578	0.420
11.5	10.451	1.049	0.038	11.5	10.734	0.766	0.198	11.5	10.865	0.635	0.363
12.0	10.936	1.064	0.053	12.0	11.189	0.811	0.153	12.0	11.245	0.755	0.243
12.5	11.408	1.092	0.081	12.5	11.601	0.899	0.065	12.5	11.546	0.954	0.044
13.0	11.853	1.147	0.136	13.0	11.956	1.044	0.081	13.0	11.782	1.218	0.220
13.5	12.249	1.251	0.240	13.5	12.249	1.251	0.287	13.5	11.943	1.557	0.559
14.0	12.591	1.409	0.398	14.0	12.497	1.503	0.540	14.0	12.056	1.944	0.946
14.5	12.866	1.634	0.623	14.5	12.698	1.802	0.839	14.5	12.148	2.352	1.354
15.0	13.090	1.910	0.899	15.0	12.857	2.143	1.180	15.0	12.229	2.771	1.773
15.5	13.268	2.232	1.221	15.5	12.990	2.510	1.547	15.5	12.303	3.197	2.199
16.0	13.412	2.588	1.577	16.0	13.103	2.897	1.934	16.0	12.367	3.633	2.635
16.5	13.535	2.965	1.954	16.5	13.204	3.296	2.333	16.5	12.427	4.073	3.075
17.0	13.644	3.356	2.345	17.0	13.294	3.706	2.743	17.0	12.481	4.519	3.521
17.5	13.734	3.766	2.755	17.5	13.363	4.137	3.174	17.5	12.526	4.974	3.976
18.0	13.819	4.181	3.170	18.0	13.417	4.583	3.620	18.0	12.579	5.421	4.423
18.5	13.899	4.601	3.590	18.5	13.457	5.043	4.080	18.5	12.641	5.859	4.861
19.0	13.963	5.037	4.026	19.0	13.492	5.508	4.545	19.0	12.676	6.324	5.326
19.5	14.012	5.488	4.477	19.5	13.527	5.973	5.010	19.5	12.676	6.824	5.826
20.0	14.041	5.959	4.948	20.0	13.546	6.454	5.491	20.0	12.676	7.324	6.326

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

High Power Test Graph 30GHz to 40GHz CW (+25°C)

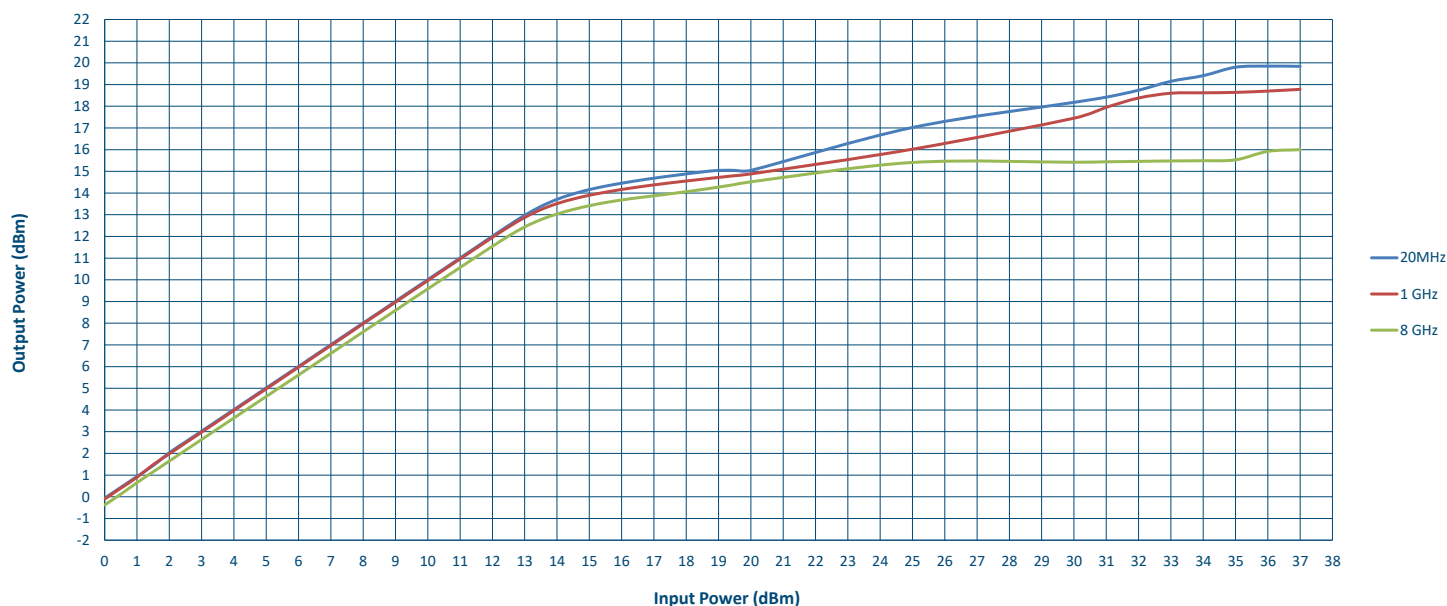


High Power Test Data 30GHz to 40GHz (CW)

30 GHz				35 GHz				40 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.998	0.998	0.000	0.0	-1.782	1.782	0.000	0.0	-1.712	1.712	0.000
0.5	-0.252	0.752	0.246	0.5	-1.443	1.943	0.160	0.5	-1.102	1.602	0.109
1.0	0.258	0.742	0.256	1.0	-0.920	1.920	0.138	1.0	-0.600	1.600	0.111
1.5	0.770	0.730	0.268	1.5	-0.397	1.897	0.114	1.5	-0.099	1.599	0.112
2.0	1.282	0.718	0.280	2.0	0.127	1.873	0.091	2.0	0.400	1.600	0.112
2.5	1.794	0.706	0.292	2.5	0.651	1.849	0.067	2.5	0.902	1.598	0.114
3.0	2.307	0.694	0.305	3.0	1.177	1.823	0.040	3.0	1.402	1.598	0.114
3.5	2.818	0.682	0.316	3.5	1.705	1.795	0.013	3.5	1.903	1.597	0.115
4.0	3.332	0.668	0.330	4.0	2.234	1.766	0.016	4.0	2.406	1.594	0.118
4.5	3.843	0.657	0.341	4.5	2.763	1.737	0.045	4.5	2.910	1.590	0.122
5.0	4.355	0.645	0.353	5.0	3.291	1.709	0.074	5.0	3.411	1.589	0.123
5.5	4.866	0.634	0.364	5.5	3.820	1.680	0.102	5.5	3.912	1.588	0.123
6.0	5.378	0.622	0.376	6.0	4.347	1.653	0.130	6.0	4.412	1.588	0.124
6.5	5.889	0.611	0.387	6.5	4.874	1.626	0.157	6.5	4.910	1.590	0.122
7.0	6.400	0.600	0.398	7.0	5.401	1.599	0.183	7.0	5.406	1.594	0.118
7.5	6.910	0.590	0.408	7.5	5.927	1.573	0.210	7.5	5.899	1.601	0.110
8.0	7.413	0.588	0.411	8.0	6.453	1.547	0.235	8.0	6.389	1.611	0.101
8.5	7.929	0.571	0.427	8.5	6.978	1.522	0.261	8.5	6.875	1.625	0.087
9.0	8.438	0.562	0.436	9.0	7.502	1.498	0.285	9.0	7.356	1.644	0.068
9.5	8.945	0.555	0.443	9.5	8.023	1.478	0.305	9.5	7.830	1.670	0.041
10.0	9.449	0.551	0.447	10.0	8.551	1.449	0.333	10.0	8.287	1.713	0.002
10.5	9.941	0.559	0.439	10.5	9.059	1.442	0.341	10.5	8.712	1.789	0.077
11.0	10.422	0.578	0.420	11.0	9.555	1.445	0.337	11.0	9.078	1.922	0.210
11.5	10.865	0.635	0.363	11.5	10.013	1.487	0.295	11.5	9.374	2.126	0.414
12.0	11.245	0.755	0.243	12.0	10.393	1.607	0.175	12.0	9.605	2.395	0.684
12.5	11.546	0.954	0.044	12.5	10.692	1.808	0.026	12.5	9.791	2.709	0.997
13.0	11.782	1.218	0.220	13.0	10.908	2.092	0.310	13.0	9.927	3.073	1.361
13.5	11.943	1.557	0.559	13.5	11.078	2.422	0.640	13.5	10.038	3.462	1.750
14.0	12.056	1.944	0.946	14.0	11.223	2.777	0.995	14.0	10.105	3.895	2.183
14.5	12.148	2.352	1.354	14.5	11.363	3.137	1.355	14.5	10.161	4.339	2.627
15.0	12.229	2.771	1.773	15.0	11.502	3.498	1.716	15.0	10.192	4.808	3.096
15.5	12.303	3.197	2.199	15.5	11.636	3.864	2.082	15.5	10.207	5.293	3.581
16.0	12.367	3.633	2.635	16.0	11.783	4.217	2.435	16.0	10.207	5.793	4.081
16.5	12.427	4.073	3.075	16.5	11.963	4.537	2.755	16.5	10.202	6.298	4.586
17.0	12.481	4.519	3.521	17.0	12.156	4.844	3.062	17.0	10.202	6.798	5.086
17.5	12.526	4.974	3.976	17.5	12.343	5.157	3.375	17.5	10.202	7.298	5.586
18.0	12.579	5.421	4.423	18.0	12.343	5.657	3.875	18.0	10.202	7.798	6.086
18.5	12.641	5.859	4.861	18.5	12.343	6.157	4.375	18.5	10.202	8.298	6.586
19.0	12.676	6.324	5.326	19.0	12.343	6.657	4.875	19.0	10.202	8.798	7.086
19.5	12.676	6.824	5.826	19.5	12.343	7.157	5.375	19.5	10.202	9.298	7.586
20.0	12.676	7.324	6.326	20.0	12.343	7.657	5.875	20.0	10.202	9.798	8.086

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

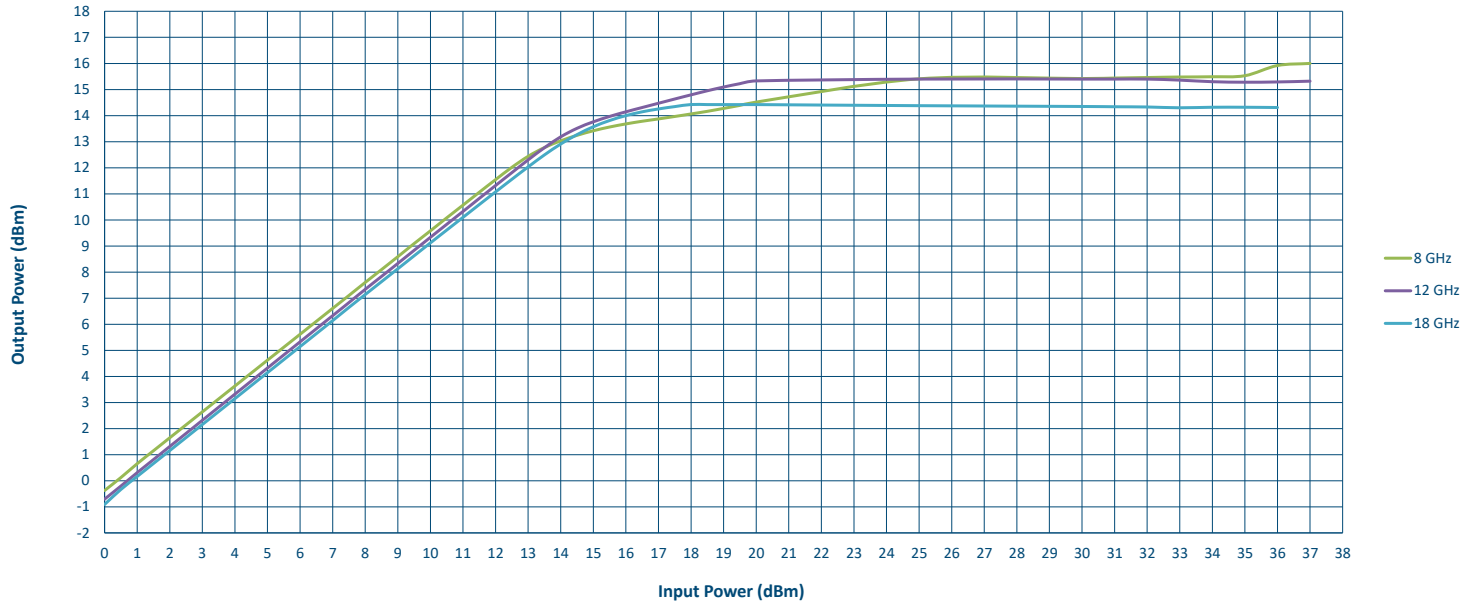
High Power Test Graph 20MHz to 8GHz CW (-55°C)



High Power Test Data 20MHz To 8GHz (CW)											
20MHz				1 GHz				8 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.060	0.060	0.000	0.0	-0.103	0.103	0.000	0.0	-0.374	0.374	0.000
0.5	0.438	0.063	0.003	0.5	0.398	0.102	0.001	0.5	0.122	0.378	0.004
1.0	0.937	0.063	0.003	1.0	0.898	0.102	0.001	1.0	0.654	0.346	0.027
1.5	1.439	0.061	0.001	1.5	1.481	0.019	0.085	1.5	1.150	0.350	0.024
2.0	2.030	-0.030	0.090	2.0	1.980	0.020	0.083	2.0	1.647	0.353	0.021
2.5	2.529	-0.029	0.089	2.5	2.479	0.021	0.082	2.5	2.144	0.356	0.017
3.0	3.026	-0.026	0.086	3.0	2.979	0.021	0.082	3.0	2.640	0.360	0.013
3.5	3.524	-0.023	0.083	3.5	3.477	0.023	0.080	3.5	3.137	0.363	0.010
4.0	4.021	-0.021	0.081	4.0	3.978	0.022	0.081	4.0	3.633	0.367	0.006
4.5	4.518	-0.018	0.078	4.5	4.477	0.023	0.080	4.5	4.128	0.372	0.002
5.0	5.017	-0.017	0.077	5.0	4.975	0.025	0.078	5.0	4.623	0.377	0.003
5.5	5.515	-0.015	0.075	5.5	5.474	0.026	0.078	5.5	5.119	0.381	0.007
6.0	6.011	-0.011	0.071	6.0	5.973	0.027	0.076	6.0	5.615	0.385	0.012
6.5	6.512	-0.012	0.072	6.5	6.473	0.027	0.076	6.5	6.112	0.388	0.015
7.0	7.011	-0.011	0.071	7.0	6.972	0.028	0.075	7.0	6.608	0.392	0.019
7.5	7.511	-0.011	0.071	7.5	7.469	0.031	0.072	7.5	7.104	0.396	0.022
8.0	8.011	-0.011	0.071	8.0	7.979	0.021	0.082	8.0	7.603	0.397	0.023
8.5	8.506	-0.005	0.065	8.5	8.472	0.028	0.076	8.5	8.095	0.405	0.031
9.0	9.014	-0.014	0.074	9.0	8.967	0.033	0.070	9.0	8.591	0.409	0.036
9.5	9.510	-0.010	0.070	9.5	9.470	0.030	0.073	9.5	9.093	0.408	0.034
10.0	10.010	-0.010	0.070	10.0	9.965	0.035	0.068	10.0	9.581	0.419	0.045
10.5	10.507	-0.007	0.067	10.5	10.466	0.034	0.069	10.5	10.079	0.421	0.047
11.0	11.006	-0.006	0.066	11.0	10.963	0.037	0.066	11.0	10.567	0.433	0.059
11.5	11.508	-0.008	0.068	11.5	11.459	0.041	0.062	11.5	11.061	0.439	0.066
12.0	12.010	-0.010	0.070	12.0	11.956	0.044	0.059	12.0	11.544	0.456	0.082
12.5	12.504	-0.004	0.064	12.5	12.436	0.064	0.039	12.5	12.017	0.483	0.110
13.0	12.976	0.025	0.035	13.0	12.873	0.127	0.024	13.0	12.439	0.561	0.188
13.5	13.383	0.117	0.057	13.5	13.236	0.264	0.161	13.5	12.774	0.726	0.353
14.0	13.710	0.290	0.230	14.0	13.512	0.488	0.385	14.0	13.032	0.968	0.595
14.5	13.960	0.540	0.480	14.5	13.725	0.775	0.672	14.5	13.243	1.257	0.884
15.0	14.158	0.842	0.782	15.0	13.897	1.103	1.000	15.0	13.418	1.582	1.209
15.5	14.319	1.181	1.121	15.5	14.039	1.461	1.358	15.5	13.562	1.938	1.565
16.0	14.453	1.547	1.487	16.0	14.165	1.835	1.732	16.0	13.681	2.319	1.946
16.5	14.575	1.925	1.865	16.5	14.275	2.225	2.122	16.5	13.793	2.717	2.344
17.0	14.686	2.314	2.254	17.0	14.376	2.624	2.521	17.0	13.872	3.128	2.755
17.5	14.785	2.715	2.655	17.5	14.469	3.031	2.928	17.5	13.966	3.534	3.161
18.0	14.881	3.119	3.059	18.0	14.555	3.445	3.342	18.0	14.063	3.937	3.564
18.5	14.973	3.527	3.467	18.5	14.639	3.861	3.758	18.5	14.164	4.336	3.963
19.0	15.045	3.955	3.895	19.0	14.722	4.278	4.175	19.0	14.276	4.724	4.351
19.5	15.046	4.454	4.394	19.5	14.801	4.699	4.596	19.5	14.392	5.108	4.735
20.0	15.046	4.954	4.894	20.0	14.881	5.119	5.016	20.0	14.518	5.482	5.109
25.0	17.020	7.980	7.920	25.0	16.020	8.980	8.877	25.0	15.410	9.590	9.217
30.0	18.180	11.820	11.760	30.0	17.450	12.550	12.447	30.0	15.420	14.580	14.207
31.0	18.420	12.580	12.520	31.0	17.950	13.050	12.947	31.0	15.440	15.560	15.187
32.0	18.740	13.260	13.200	32.0	18.380	13.620	13.517	32.0	15.460	16.540	16.167
33.0	19.150	13.850	13.790	33.0	18.600	14.400	14.297	33.0	15.480	17.520	17.147
34.0	19.410	14.590	14.530	34.0	18.620	15.380	15.277	34.0	15.490	18.510	18.137
35.0	19.800	15.200	15.140	35.0	18.640	16.360	16.257	35.0	15.530	19.470	19.097
36.0	19.850	16.150	16.090	36.0	18.700	17.300	17.197	36.0	15.920	20.080	19.707
37.0	19.840	17.160	17.100	37.0	18.780	18.220	18.117	37.0	16.000	21.000	20.627
DO NOT EXCEED											

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

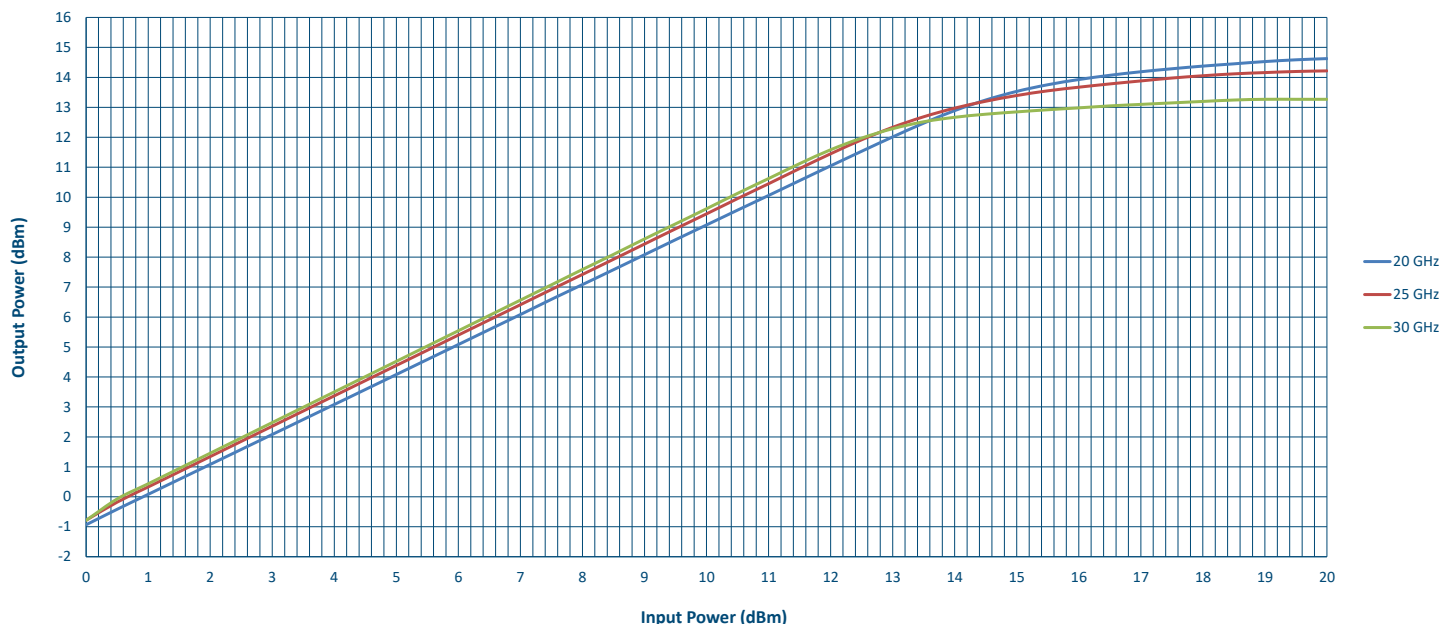
High Power Test Graph 8GHz to 18GHz CW (-55°C)



High Power Test Data 8GHz To 18GHz (CW)											
8 GHz				12 GHz				18 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.374	0.374	0.000	0.0	-0.705	0.705	0.000	0.0	-0.910	0.910	0.000
0.5	0.122	0.378	0.004	0.5	-0.204	0.704	0.001	0.5	-0.334	0.834	0.075
1.0	0.654	0.346	0.027	1.0	0.309	0.691	0.014	1.0	0.163	0.837	0.073
1.5	1.150	0.350	0.024	1.5	0.811	0.689	0.016	1.5	0.660	0.840	0.069
2.0	1.647	0.353	0.021	2.0	1.313	0.687	0.018	2.0	1.158	0.842	0.067
2.5	2.144	0.356	0.017	2.5	1.815	0.686	0.019	2.5	1.656	0.845	0.065
3.0	2.640	0.360	0.013	3.0	2.317	0.683	0.022	3.0	2.154	0.846	0.063
3.5	3.137	0.363	0.010	3.5	2.818	0.682	0.023	3.5	2.652	0.848	0.061
4.0	3.633	0.367	0.006	4.0	3.321	0.679	0.025	4.0	3.149	0.852	0.058
4.5	4.128	0.372	0.002	4.5	3.821	0.679	0.026	4.5	3.648	0.853	0.057
5.0	4.623	0.377	0.003	5.0	4.323	0.677	0.027	5.0	4.145	0.855	0.054
5.5	5.119	0.381	0.007	5.5	4.824	0.676	0.029	5.5	4.644	0.856	0.053
6.0	5.615	0.385	0.012	6.0	5.326	0.674	0.031	6.0	5.142	0.858	0.052
6.5	6.112	0.388	0.015	6.5	5.828	0.672	0.032	6.5	5.640	0.860	0.050
7.0	6.608	0.392	0.019	7.0	6.329	0.671	0.034	7.0	6.140	0.861	0.049
7.5	7.104	0.396	0.022	7.5	6.831	0.669	0.035	7.5	6.646	0.864	0.055
8.0	7.603	0.397	0.023	8.0	7.339	0.661	0.044	8.0	7.139	0.861	0.049
8.5	8.095	0.405	0.031	8.5	7.833	0.667	0.038	8.5	7.633	0.867	0.043
9.0	8.591	0.409	0.036	9.0	8.332	0.668	0.036	9.0	8.127	0.873	0.037
9.5	9.093	0.408	0.034	9.5	8.832	0.668	0.037	9.5	8.625	0.875	0.034
10.0	9.581	0.419	0.045	10.0	9.333	0.667	0.037	10.0	9.119	0.881	0.029
10.5	10.079	0.421	0.047	10.5	9.831	0.669	0.035	10.5	9.610	0.890	0.019
11.0	10.567	0.433	0.059	11.0	10.324	0.676	0.029	11.0	10.098	0.902	0.008
11.5	11.061	0.439	0.066	11.5	10.824	0.676	0.029	11.5	10.589	0.911	0.001
12.0	11.544	0.456	0.082	12.0	11.319	0.681	0.024	12.0	11.074	0.926	0.017
12.5	12.017	0.483	0.110	12.5	11.813	0.687	0.018	12.5	11.558	0.942	0.033
13.0	12.439	0.561	0.188	13.0	12.303	0.697	0.008	13.0	12.032	0.968	0.059
13.5	12.774	0.726	0.353	13.5	12.768	0.732	0.027	13.5	12.493	1.007	0.097
14.0	13.032	0.968	0.595	14.0	13.186	0.814	0.109	14.0	12.910	1.090	0.181
14.5	13.243	1.257	0.884	14.5	13.512	0.988	0.283	14.5	13.270	1.230	0.321
15.0	13.418	1.582	1.209	15.0	13.762	1.238	0.533	15.0	13.571	1.429	0.520
15.5	13.562	1.938	1.565	15.5	13.967	1.533	0.828	15.5	13.811	1.689	0.780
16.0	13.681	2.319	1.946	16.0	14.145	1.855	1.150	16.0	13.999	2.001	1.092
16.5	13.783	2.717	2.344	16.5	14.310	2.190	1.485	16.5	14.145	2.355	1.446
17.0	13.872	3.128	2.755	17.0	14.473	2.527	1.822	17.0	14.255	2.745	1.836
17.5	13.966	3.534	3.161	17.5	14.636	2.864	2.159	17.5	14.345	3.155	2.246
18.0	14.063	3.937	3.564	18.0	14.796	3.204	2.499	18.0	14.424	3.576	2.667
18.5	14.164	4.336	3.963	18.5	14.952	3.548	2.843	18.5	14.422	4.078	3.169
19.0	14.276	4.724	4.351	19.0	15.095	3.905	3.200	19.0	14.422	4.578	3.669
19.5	14.392	5.108	4.735	19.5	15.224	4.276	3.571	19.5	14.421	5.079	4.170
20.0	14.518	5.482	5.109	20.0	15.330	4.670	3.965	20.0	14.422	5.578	4.669
25.0	15.410	9.590	9.217	25.0	15.400	9.600	8.895	25.0	14.380	10.620	9.711
30.0	15.420	14.580	14.207	30.0	15.400	14.600	13.895	30.0	14.350	15.650	14.741
31.0	15.440	15.560	15.187	31.0	15.400	15.600	14.895	31.0	14.340	16.660	15.751
32.0	15.460	16.540	16.167	32.0	15.400	16.600	15.895	32.0	14.330	17.670	16.761
33.0	15.480	17.520	17.147	33.0	15.360	17.640	16.935	33.0	14.300	18.700	17.791
34.0	15.490	18.510	18.137	34.0	15.300	18.700	17.995	34.0	14.320	19.680	18.771
35.0	15.530	19.470	19.097	35.0	15.280	19.720	19.015	35.0	14.320	20.680	19.771
36.0	15.920	20.080	19.707	36.0	15.290	20.710	20.005	36.0	14.310	21.690	20.781
37.0	16.000	21.000	20.627	37.0	15.320	21.680	20.975	37.0	DO NOT EXCEED		

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

High Power Test Graph 20GHz to 30GHz CW (-55°C)

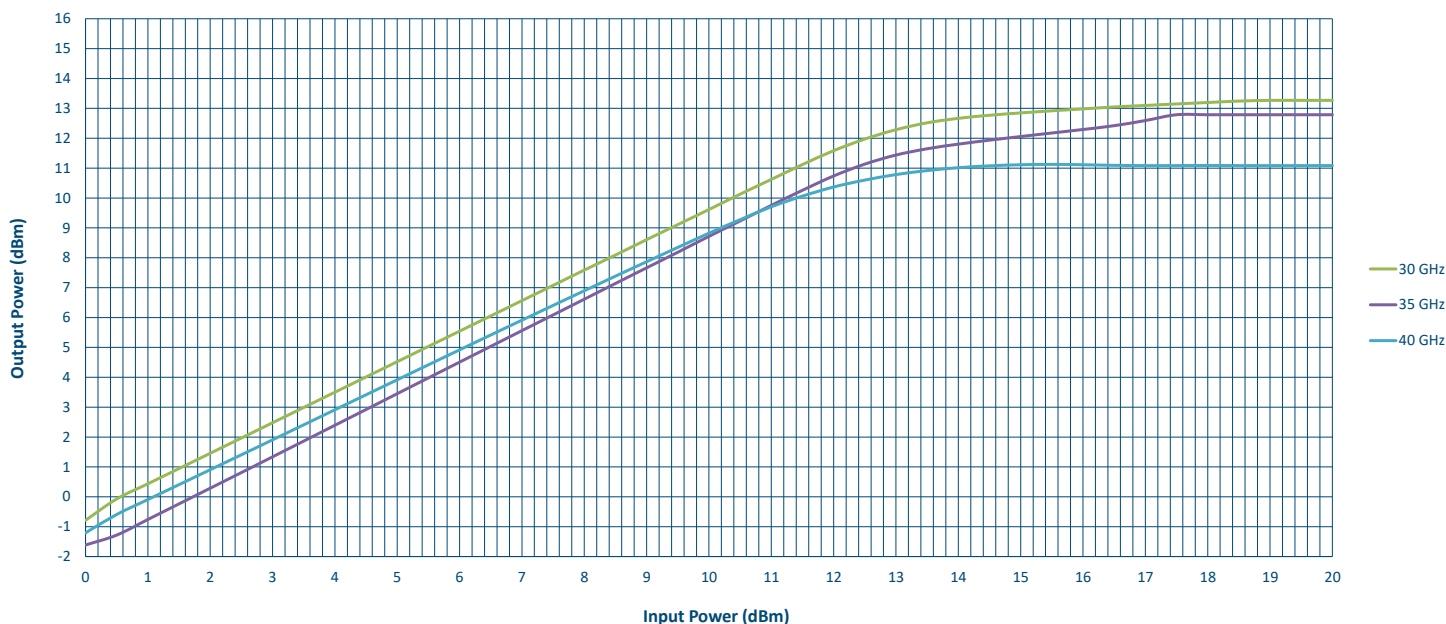


High Power Test Data 20GHz to 30GHz (CW)

20 GHz				25 GHz				30 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.933	0.933	0.000	0.0	-0.781	0.781	0.000	0.0	-0.785	0.785	0.000
0.5	-0.416	0.916	0.018	0.5	-0.178	0.678	0.104	0.5	-0.071	0.571	0.214
1.0	0.083	0.917	0.016	1.0	0.329	0.671	0.111	1.0	0.435	0.565	0.220
1.5	0.582	0.918	0.015	1.5	0.836	0.665	0.117	1.5	0.946	0.554	0.231
2.0	1.081	0.919	0.014	2.0	1.343	0.657	0.124	2.0	1.456	0.544	0.241
2.5	1.581	0.919	0.014	2.5	1.850	0.650	0.131	2.5	1.967	0.533	0.252
3.0	2.081	0.919	0.014	3.0	2.357	0.643	0.138	3.0	2.479	0.521	0.264
3.5	2.581	0.919	0.014	3.5	2.864	0.636	0.146	3.5	2.990	0.511	0.274
4.0	3.081	0.919	0.015	4.0	3.371	0.629	0.152	4.0	3.501	0.499	0.286
4.5	3.580	0.920	0.014	4.5	3.877	0.623	0.159	4.5	4.011	0.489	0.296
5.0	4.082	0.918	0.015	5.0	4.384	0.616	0.166	5.0	4.522	0.478	0.307
5.5	4.582	0.918	0.016	5.5	4.892	0.608	0.173	5.5	5.033	0.467	0.318
6.0	5.083	0.917	0.016	6.0	5.399	0.601	0.180	6.0	5.544	0.457	0.328
6.5	5.583	0.917	0.017	6.5	5.905	0.595	0.187	6.5	6.055	0.445	0.340
7.0	6.083	0.917	0.017	7.0	6.412	0.588	0.193	7.0	6.565	0.435	0.350
7.5	6.591	0.909	0.024	7.5	6.919	0.581	0.200	7.5	7.076	0.424	0.361
8.0	7.084	0.916	0.017	8.0	7.422	0.578	0.204	8.0	7.587	0.413	0.372
8.5	7.579	0.921	0.012	8.5	7.927	0.573	0.209	8.5	8.091	0.410	0.375
9.0	8.080	0.920	0.014	9.0	8.437	0.563	0.218	9.0	8.607	0.393	0.392
9.5	8.580	0.920	0.014	9.5	8.944	0.556	0.226	9.5	9.109	0.391	0.394
10.0	9.074	0.926	0.007	10.0	9.444	0.556	0.225	10.0	9.615	0.385	0.400
10.5	9.569	0.931	0.002	10.5	9.953	0.547	0.234	10.5	10.128	0.372	0.413
11.0	10.058	0.942	0.009	11.0	10.450	0.550	0.231	11.0	10.623	0.377	0.408
11.5	10.554	0.946	0.013	11.5	10.956	0.544	0.237	11.5	11.120	0.380	0.405
12.0	11.046	0.954	0.021	12.0	11.449	0.551	0.230	12.0	11.584	0.416	0.369
12.5	11.533	0.967	0.034	12.5	11.916	0.584	0.197	12.5	11.973	0.527	0.258
13.0	12.012	0.988	0.055	13.0	12.333	0.667	0.114	13.0	12.286	0.714	0.071
13.5	12.471	1.029	0.096	13.5	12.685	0.815	0.034	13.5	12.518	0.982	0.197
14.0	12.890	1.110	0.177	14.0	12.973	1.027	0.246	14.0	12.667	1.333	0.548
14.5	13.244	1.256	0.323	14.5	13.203	1.297	0.516	14.5	12.770	1.730	0.945
15.0	13.532	1.468	0.535	15.0	13.394	1.606	0.825	15.0	12.848	2.152	1.367
15.5	13.754	1.746	0.813	15.5	13.551	1.949	1.168	15.5	12.919	2.581	1.796
16.0	13.927	2.073	1.140	16.0	13.672	2.328	1.547	16.0	12.982	3.018	2.233
16.5	14.069	2.431	1.498	16.5	13.781	2.719	1.938	16.5	13.048	3.452	2.667
17.0	14.187	2.813	1.880	17.0	13.881	3.119	2.338	17.0	13.098	3.902	3.117
17.5	14.287	3.213	2.280	17.5	13.977	3.523	2.742	17.5	13.148	4.352	3.567
18.0	14.376	3.624	2.691	18.0	14.054	3.946	3.165	18.0	13.197	4.803	4.018
18.5	14.452	4.048	3.115	18.5	14.117	4.383	3.602	18.5	13.244	5.256	4.471
19.0	14.527	4.473	3.540	19.0	14.160	4.840	4.059	19.0	13.268	5.732	4.947
19.5	14.586	4.914	3.981	19.5	14.196	5.304	4.523	19.5	13.268	6.232	5.447
20.0	14.626	5.374	4.441	20.0	14.217	5.783	5.002	20.0	13.268	6.732	5.947

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

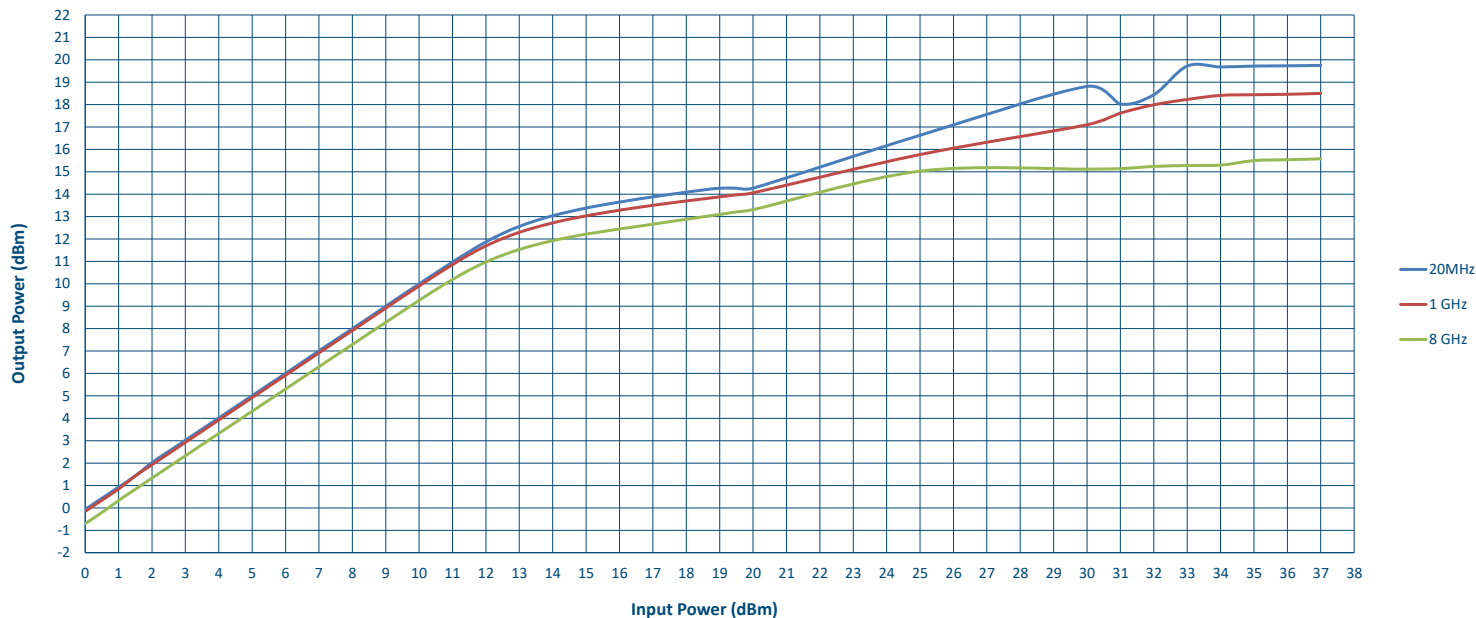
High Power Test Graph 30GHz to 40GHz CW (-55°C)



High Power Test Data 30GHz to 40GHz (CW)											
30 GHz				35 GHz				40 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.785	0.785	0.000	0.0	-1.614	1.614	0.000	0.0	-1.205	1.205	0.000
0.5	-0.071	0.571	0.214	0.5	-1.281	1.781	0.167	0.5	-0.592	1.092	0.114
1.0	0.435	0.565	0.220	1.0	-0.759	1.759	0.145	1.0	-0.092	1.092	0.114
1.5	0.946	0.554	0.231	1.5	-0.236	1.736	0.122	1.5	0.407	1.093	0.113
2.0	1.456	0.544	0.241	2.0	0.287	1.713	0.099	2.0	0.906	1.094	0.112
2.5	1.967	0.533	0.252	2.5	0.811	1.689	0.076	2.5	1.406	1.094	0.111
3.0	2.479	0.521	0.264	3.0	1.337	1.663	0.049	3.0	1.906	1.094	0.112
3.5	2.990	0.511	0.274	3.5	1.865	1.635	0.021	3.5	2.409	1.091	0.115
4.0	3.501	0.499	0.286	4.0	2.394	1.606	0.008	4.0	2.913	1.087	0.118
4.5	4.011	0.489	0.296	4.5	2.922	1.578	0.036	4.5	3.415	1.085	0.120
5.0	4.522	0.478	0.307	5.0	3.452	1.549	0.065	5.0	3.917	1.084	0.122
5.5	5.033	0.467	0.318	5.5	3.980	1.520	0.094	5.5	4.418	1.082	0.123
6.0	5.544	0.457	0.328	6.0	4.507	1.493	0.121	6.0	4.918	1.082	0.123
6.5	6.055	0.445	0.340	6.5	5.035	1.466	0.148	6.5	5.416	1.084	0.122
7.0	6.565	0.435	0.350	7.0	5.561	1.439	0.175	7.0	5.912	1.088	0.117
7.5	7.076	0.424	0.361	7.5	6.087	1.413	0.201	7.5	6.405	1.095	0.110
8.0	7.587	0.413	0.372	8.0	6.613	1.387	0.227	8.0	6.896	1.104	0.101
8.5	8.091	0.410	0.375	8.5	7.140	1.361	0.253	8.5	7.384	1.116	0.090
9.0	8.607	0.393	0.392	9.0	7.664	1.336	0.278	9.0	7.868	1.132	0.073
9.5	9.109	0.391	0.394	9.5	8.185	1.315	0.299	9.5	8.347	1.153	0.052
10.0	9.615	0.385	0.400	10.0	8.717	1.283	0.331	10.0	8.823	1.177	0.029
10.5	10.128	0.372	0.413	10.5	9.232	1.268	0.346	10.5	9.275	1.225	0.019
11.0	10.623	0.377	0.408	11.0	9.755	1.245	0.369	11.0	9.707	1.293	0.087
11.5	11.120	0.380	0.405	11.5	10.260	1.240	0.374	11.5	10.064	1.436	0.231
12.0	11.584	0.416	0.369	12.0	10.738	1.262	0.352	12.0	10.369	1.631	0.426
12.5	11.973	0.527	0.258	12.5	11.134	1.366	0.248	12.5	10.600	1.900	0.695
13.0	12.286	0.714	0.071	13.0	11.439	1.561	0.053	13.0	10.784	2.216	1.011
13.5	12.518	0.982	0.197	13.5	11.648	1.852	0.238	13.5	10.918	2.582	1.377
14.0	12.667	1.333	0.548	14.0	11.803	2.197	0.583	14.0	11.015	2.985	1.780
14.5	12.770	1.730	0.945	14.5	11.936	2.564	0.950	14.5	11.077	3.423	2.218
15.0	12.848	2.152	1.367	15.0	12.058	2.942	1.328	15.0	11.114	3.886	2.681
15.5	12.919	2.581	1.796	15.5	12.176	3.324	1.710	15.5	11.126	4.374	3.169
16.0	12.982	3.018	2.233	16.0	12.294	3.706	2.092	16.0	11.114	4.886	3.681
16.5	13.048	3.452	2.667	16.5	12.421	4.079	2.465	16.5	11.094	5.406	4.201
17.0	13.098	3.902	3.117	17.0	12.593	4.407	2.793	17.0	11.085	5.915	4.710
17.5	13.148	4.352	3.567	17.5	12.787	4.713	3.099	17.5	11.085	6.415	5.210
18.0	13.197	4.803	4.018	18.0	12.787	5.213	3.599	18.0	11.089	6.911	5.706
18.5	13.244	5.256	4.471	18.5	12.787	5.713	4.099	18.5	11.085	7.415	6.210
19.0	13.268	5.732	4.947	19.0	12.787	6.213	4.599	19.0	11.085	7.915	6.710
19.5	13.268	6.232	5.447	19.5	12.787	6.713	5.099	19.5	11.085	8.415	7.210
20.0	13.268	6.732	5.947	20.0	12.787	7.213	5.599	20.0	11.085	8.915	7.710

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

High Power Test Graph 20MHz to 8GHz CW (+85°C)

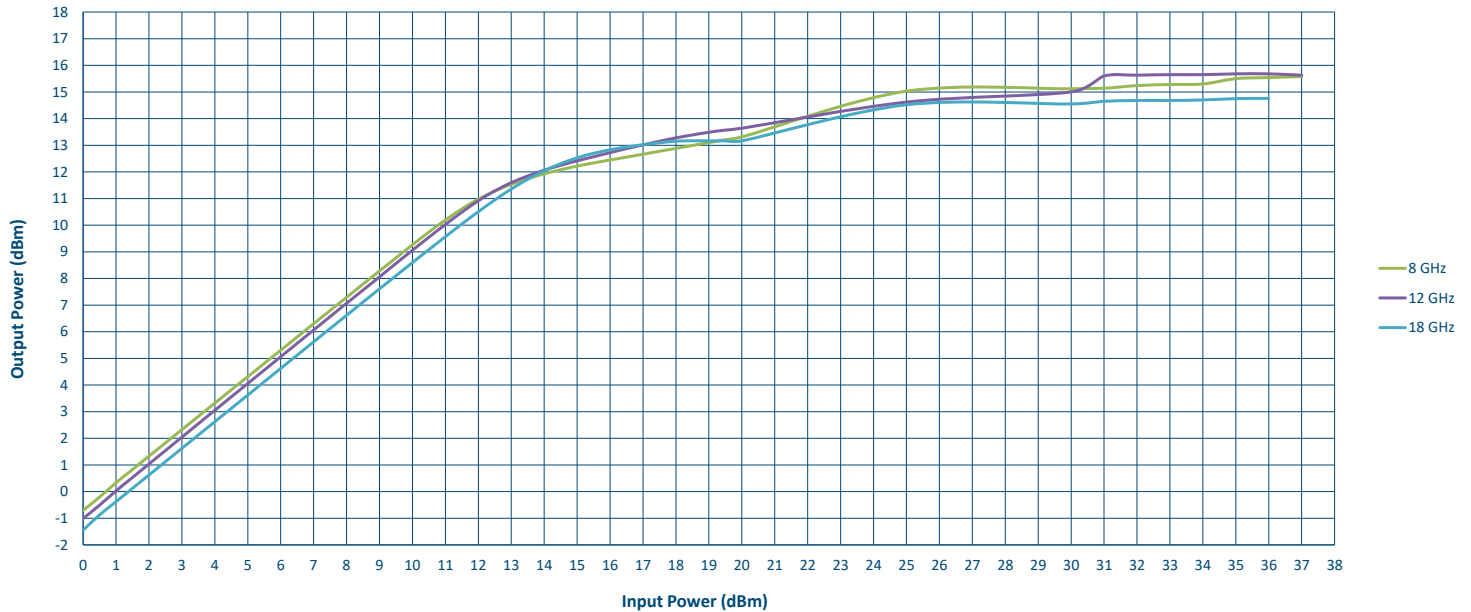


High Power Test Data 20MHz To 8GHz (CW)											
20MHz				1 GHz				8 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.067	0.067	0.000	0.0	-0.158	0.158	0.000	0.0	-0.704	0.704	0.000
0.5	0.430	0.070	0.003	0.5	0.343	0.158	0.000	0.5	-0.205	0.705	0.002
1.0	0.929	0.072	0.005	1.0	0.843	0.157	0.000	1.0	0.333	0.667	0.036
1.5	1.430	0.070	0.003	1.5	1.427	0.073	0.085	1.5	0.832	0.668	0.035
2.0	2.023	-0.023	0.090	2.0	1.925	0.075	0.083	2.0	1.331	0.669	0.035
2.5	2.522	-0.022	0.088	2.5	2.423	0.077	0.081	2.5	1.829	0.671	0.033
3.0	3.018	-0.018	0.085	3.0	2.925	0.075	0.082	3.0	2.327	0.673	0.031
3.5	3.517	-0.017	0.083	3.5	3.422	0.078	0.080	3.5	2.825	0.675	0.029
4.0	4.013	-0.013	0.080	4.0	3.924	0.076	0.081	4.0	3.323	0.677	0.026
4.5	4.511	-0.011	0.077	4.5	4.422	0.078	0.079	4.5	3.819	0.681	0.023
5.0	5.010	-0.010	0.076	5.0	4.920	0.080	0.077	5.0	4.315	0.685	0.018
5.5	5.507	-0.006	0.073	5.5	5.420	0.080	0.078	5.5	4.811	0.689	0.015
6.0	6.003	-0.003	0.070	6.0	5.918	0.082	0.076	6.0	5.307	0.694	0.010
6.5	6.504	-0.004	0.071	6.5	6.418	0.082	0.076	6.5	5.804	0.696	0.008
7.0	7.011	-0.011	0.078	7.0	6.917	0.083	0.074	7.0	6.301	0.699	0.004
7.5	7.504	-0.004	0.071	7.5	7.416	0.084	0.074	7.5	6.798	0.702	0.001
8.0	7.999	0.001	0.066	8.0	7.914	0.086	0.072	8.0	7.292	0.708	0.004
8.5	8.495	0.005	0.062	8.5	8.414	0.086	0.072	8.5	7.789	0.711	0.007
9.0	9.000	0.000	0.067	9.0	8.915	0.085	0.073	9.0	8.282	0.718	0.014
9.5	9.502	-0.002	0.069	9.5	9.415	0.085	0.073	9.5	8.772	0.728	0.024
10.0	10.000	0.000	0.066	10.0	9.901	0.093	0.059	10.0	9.263	0.737	0.034
10.5	10.488	0.012	0.055	10.5	10.392	0.108	0.050	10.5	9.742	0.759	0.055
11.0	10.971	0.023	0.038	11.0	10.855	0.145	0.013	11.0	10.192	0.808	0.105
11.5	11.440	0.060	0.007	11.5	11.303	0.197	0.039	11.5	10.613	0.887	0.184
12.0	11.868	0.132	0.065	12.0	11.692	0.308	0.150	12.0	10.974	1.026	0.323
12.5	12.249	0.251	0.184	12.5	12.021	0.479	0.321	12.5	11.279	1.221	0.518
13.0	12.563	0.437	0.370	13.0	12.299	0.701	0.543	13.0	11.534	1.466	0.762
13.5	12.821	0.679	0.612	13.5	12.525	0.975	0.817	13.5	11.747	1.753	1.050
14.0	13.040	0.960	0.893	14.0	12.719	1.281	1.123	14.0	11.927	2.073	1.370
14.5	13.221	1.279	1.212	14.5	12.889	1.611	1.453	14.5	12.081	2.419	1.716
15.0	13.383	1.617	1.550	15.0	13.032	1.968	1.810	15.0	12.218	2.782	2.079
15.5	13.523	1.977	1.910	15.5	13.166	2.334	2.176	15.5	12.335	3.165	2.462
16.0	13.649	2.351	2.284	16.0	13.287	2.713	2.555	16.0	12.449	3.551	2.848
16.5	13.771	2.729	2.662	16.5	13.399	3.101	2.943	16.5	12.554	3.946	3.243
17.0	13.880	3.120	3.053	17.0	13.504	3.496	3.338	17.0	12.664	4.336	3.633
17.5	13.989	3.511	3.444	17.5	13.605	3.895	3.737	17.5	12.774	4.726	4.023
18.0	14.091	3.909	3.842	18.0	13.699	4.301	4.143	18.0	12.882	5.118	4.415
18.5	14.188	4.312	4.245	18.5	13.790	4.710	4.552	18.5	12.992	5.508	4.805
19.0	14.269	4.731	4.664	19.0	13.882	5.118	4.960	19.0	13.097	5.903	5.200
19.5	14.269	5.231	5.164	19.5	13.973	5.527	5.369	19.5	13.209	6.291	5.588
20.0	14.269	5.731	5.664	20.0	14.061	5.939	5.781	20.0	13.312	6.688	5.985
25.0	16.630	8.370	8.303	25.0	15.770	9.230	9.072	25.0	15.030	9.970	9.267
30.0	18.810	11.190	11.123	30.0	17.100	12.900	12.742	30.0	15.120	14.880	14.177
31.0	18.020	12.980	12.913	31.0	17.620	13.380	13.222	31.0	15.140	15.860	15.157
32.0	18.440	13.560	13.493	32.0	17.990	14.010	13.852	32.0	15.240	16.760	16.057
33.0	19.720	13.280	13.213	33.0	18.230	14.770	14.612	33.0	15.280	17.720	17.017
34.0	19.680	14.320	14.253	34.0	18.410	15.590	15.432	34.0	15.300	18.700	17.997
35.0	19.720	15.280	15.213	35.0	18.440	16.560	16.402	35.0	15.500	19.500	18.797
36.0	19.730	16.270	16.203	36.0	18.460	17.540	17.382	36.0	15.540	20.460	19.757
37.0	19.750	17.250	17.183	37.0	18.500	18.500	18.342	37.0	15.580	21.420	20.717

DO NOT EXCEED

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

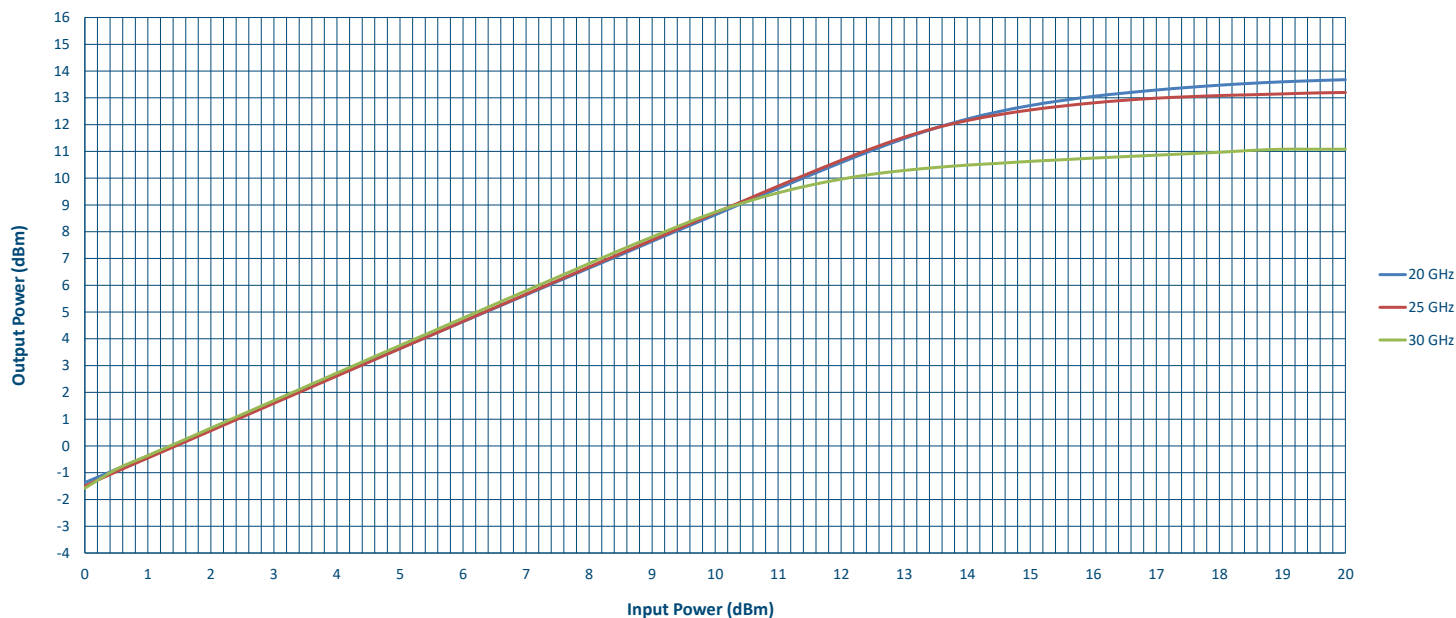
High Power Test Graph 8GHz to 18GHz CW (+85°C)



High Power Test Data 8GHz To 18GHz (CW)											
8 GHz				12 GHz				18 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-0.704	0.704	0.000	0.0	-1.010	1.010	0.000	0.0	-1.448	1.448	0.000
0.5	-0.205	0.705	0.002	0.5	-0.507	1.007	0.003	0.5	-0.874	1.374	0.074
1.0	0.333	0.667	0.036	1.0	0.028	0.973	0.038	1.0	-0.377	1.377	0.071
1.5	0.832	0.668	0.035	1.5	0.532	0.968	0.042	1.5	0.124	1.376	0.072
2.0	1.331	0.669	0.035	2.0	1.037	0.963	0.047	2.0	0.624	1.376	0.072
2.5	1.829	0.671	0.033	2.5	1.541	0.959	0.051	2.5	1.124	1.376	0.073
3.0	2.327	0.673	0.031	3.0	2.045	0.955	0.056	3.0	1.624	1.376	0.073
3.5	2.825	0.675	0.029	3.5	2.550	0.950	0.060	3.5	2.124	1.376	0.072
4.0	3.323	0.677	0.026	4.0	3.054	0.947	0.064	4.0	2.625	1.375	0.073
4.5	3.819	0.681	0.023	4.5	3.556	0.944	0.066	4.5	3.124	1.376	0.072
5.0	4.316	0.685	0.018	5.0	4.058	0.942	0.069	5.0	3.624	1.376	0.072
5.5	4.811	0.689	0.015	5.5	4.560	0.940	0.071	5.5	4.124	1.376	0.072
6.0	5.307	0.694	0.010	6.0	5.063	0.937	0.073	6.0	4.622	1.378	0.070
6.5	5.804	0.696	0.008	6.5	5.565	0.935	0.076	6.5	5.122	1.378	0.070
7.0	6.301	0.699	0.004	7.0	6.067	0.933	0.077	7.0	5.621	1.379	0.070
7.5	6.798	0.702	0.001	7.5	6.568	0.932	0.078	7.5	6.120	1.380	0.068
8.0	7.292	0.708	0.004	8.0	7.069	0.931	0.080	8.0	6.617	1.383	0.065
8.5	7.789	0.711	0.007	8.5	7.564	0.936	0.074	8.5	7.114	1.386	0.062
9.0	8.282	0.718	0.014	9.0	8.061	0.939	0.071	9.0	7.611	1.390	0.059
9.5	8.772	0.728	0.024	9.5	8.564	0.936	0.074	9.5	8.102	1.398	0.050
10.0	9.263	0.737	0.034	10.0	9.061	0.940	0.071	10.0	8.598	1.402	0.046
10.5	9.742	0.759	0.055	10.5	9.548	0.952	0.058	10.5	9.083	1.417	0.031
11.0	10.192	0.808	0.105	11.0	10.026	0.974	0.036	11.0	9.567	1.433	0.015
11.5	10.613	0.887	0.184	11.5	10.487	1.013	0.003	11.5	10.044	1.456	0.008
12.0	10.974	1.026	0.323	12.0	10.915	1.085	0.075	12.0	10.506	1.494	0.046
12.5	11.279	1.221	0.518	12.5	11.287	1.213	0.203	12.5	10.947	1.553	0.105
13.0	11.534	1.466	0.762	13.0	11.595	1.405	0.395	13.0	11.357	1.643	0.195
13.5	11.747	1.753	1.050	13.5	11.847	1.653	0.643	13.5	11.723	1.777	0.329
14.0	11.927	2.073	1.370	14.0	12.064	1.936	0.926	14.0	12.042	1.958	0.510
14.5	12.081	2.419	1.716	14.5	12.247	2.253	1.243	14.5	12.309	2.191	0.743
15.0	12.218	2.782	2.079	15.0	12.415	2.585	1.575	15.0	12.528	2.472	1.024
15.5	12.335	3.165	2.462	15.5	12.569	2.931	1.921	15.5	12.697	2.803	1.355
16.0	12.449	3.551	2.848	16.0	12.723	3.277	2.267	16.0	12.830	3.170	1.722
16.5	12.554	3.946	3.243	16.5	12.872	3.628	2.618	16.5	12.934	3.566	2.118
17.0	12.664	4.336	3.633	17.0	13.014	3.986	2.976	17.0	13.022	3.978	2.530
17.5	12.774	4.726	4.023	17.5	13.152	4.348	3.338	17.5	13.091	4.409	2.961
18.0	12.882	5.118	4.415	18.0	13.278	4.722	3.712	18.0	13.153	4.847	3.399
18.5	12.992	5.508	4.805	18.5	13.387	5.113	4.103	18.5	13.167	5.333	3.885
19.0	13.097	5.903	5.200	19.0	13.487	5.513	4.503	19.0	13.166	5.834	4.386
19.5	13.209	6.291	5.588	19.5	13.569	5.931	4.921	19.5	13.164	6.336	4.888
20.0	13.312	6.688	5.985	20.0	13.638	6.362	5.352	20.0	13.164	6.836	5.388
25.0	15.030	9.970	9.267	25.0	14.620	10.380	9.370	25.0	14.520	10.480	9.032
30.0	15.120	14.880	14.177	30.0	15.000	15.000	13.990	30.0	14.550	15.450	14.002
31.0	15.140	15.860	15.157	31.0	15.600	15.400	14.390	31.0	14.650	16.350	14.302
32.0	15.240	16.760	16.057	32.0	15.630	16.370	15.360	32.0	14.680	17.320	15.872
33.0	15.280	17.720	17.017	33.0	15.650	17.350	16.340	33.0	14.680	18.320	16.872
34.0	15.300	18.700	17.997	34.0	15.650	18.350	17.340	34.0	14.700	19.300	17.852
35.0	15.500	19.500	18.797	35.0	15.680	19.320	18.310	35.0	14.750	20.250	18.802
36.0	15.540	20.460	19.757	36.0	15.680	20.320	19.310	36.0	14.760	21.240	19.792
37.0	15.580	21.420	20.717	37.0	15.630	21.370	20.360	37.0	DO NOT EXCEED	DO NOT EXCEED	DO NOT EXCEED

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

High Power Test Graph 20GHz to 30GHz CW (+85°C)

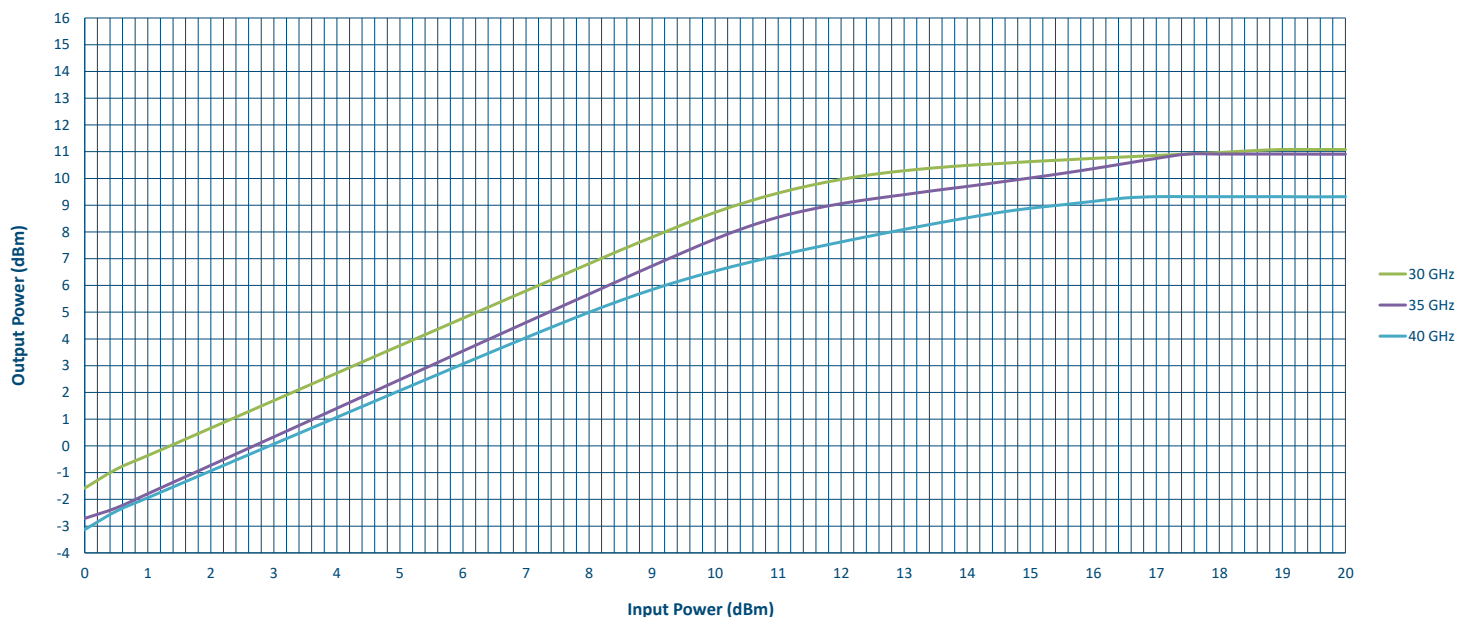


High Power Test Data 20GHz to 30GHz (CW)

20 GHz				25 GHz				30 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-1.368	1.368	0.000	0.0	-1.494	1.494	0.000	0.0	-1.577	1.577	0.000
0.5	-0.873	1.373	0.005	0.5	-0.962	1.462	0.033	0.5	-0.872	1.372	0.206
1.0	-0.373	1.373	0.005	1.0	-0.452	1.452	0.042	1.0	-0.360	1.360	0.217
1.5	0.128	1.372	0.003	1.5	0.058	1.443	0.052	1.5	0.151	1.349	0.229
2.0	0.630	1.370	0.001	2.0	0.569	1.431	0.064	2.0	0.667	1.333	0.244
2.5	1.132	1.368	0.000	2.5	1.081	1.419	0.075	2.5	1.182	1.318	0.259
3.0	1.634	1.366	0.003	3.0	1.592	1.408	0.087	3.0	1.696	1.305	0.273
3.5	2.135	1.365	0.003	3.5	2.103	1.397	0.097	3.5	2.210	1.290	0.287
4.0	2.637	1.363	0.006	4.0	2.614	1.387	0.108	4.0	2.724	1.276	0.301
4.5	3.138	1.362	0.006	4.5	3.124	1.376	0.119	4.5	3.239	1.262	0.316
5.0	3.640	1.360	0.008	5.0	3.633	1.367	0.127	5.0	3.752	1.248	0.329
5.5	4.141	1.359	0.010	5.5	4.143	1.357	0.137	5.5	4.263	1.237	0.340
6.0	4.642	1.358	0.010	6.0	4.652	1.349	0.146	6.0	4.774	1.226	0.351
6.5	5.143	1.357	0.011	6.5	5.160	1.340	0.154	6.5	5.287	1.213	0.364
7.0	5.643	1.357	0.011	7.0	5.668	1.332	0.162	7.0	5.797	1.204	0.374
7.5	6.144	1.357	0.012	7.5	6.176	1.324	0.170	7.5	6.305	1.195	0.382
8.0	6.642	1.358	0.010	8.0	6.683	1.317	0.178	8.0	6.812	1.188	0.389
8.5	7.136	1.364	0.004	8.5	7.187	1.313	0.182	8.5	7.319	1.181	0.396
9.0	7.642	1.358	0.010	9.0	7.691	1.310	0.185	9.0	7.804	1.196	0.381
9.5	8.137	1.364	0.005	9.5	8.197	1.303	0.191	9.5	8.284	1.216	0.361
10.0	8.631	1.370	0.001	10.0	8.705	1.295	0.199	10.0	8.731	1.269	0.308
10.5	9.131	1.369	0.001	10.5	9.203	1.297	0.198	10.5	9.118	1.382	0.195
11.0	9.616	1.384	0.016	11.0	9.704	1.296	0.198	11.0	9.453	1.547	0.030
11.5	10.104	1.396	0.028	11.5	10.191	1.309	0.185	11.5	9.733	1.767	0.190
12.0	10.583	1.417	0.049	12.0	10.669	1.331	0.163	12.0	9.963	2.037	0.460
12.5	11.046	1.454	0.086	12.5	11.120	1.380	0.114	12.5	10.150	2.350	0.773
13.0	11.481	1.519	0.151	13.0	11.532	1.468	0.026	13.0	10.288	2.712	1.135
13.5	11.874	1.626	0.258	13.5	11.877	1.623	0.129	13.5	10.399	3.101	1.524
14.0	12.209	1.791	0.423	14.0	12.153	1.847	0.353	14.0	10.488	3.512	1.935
14.5	12.486	2.014	0.646	14.5	12.370	2.130	0.636	14.5	10.556	3.944	2.367
15.0	12.715	2.285	0.917	15.0	12.547	2.453	0.959	15.0	10.629	4.371	2.794
15.5	12.899	2.601	1.233	15.5	12.691	2.809	1.315	15.5	10.688	4.812	3.235
16.0	13.057	2.943	1.575	16.0	12.812	3.188	1.694	16.0	10.750	5.250	3.673
16.5	13.181	3.319	1.951	16.5	12.910	3.590	2.096	16.5	10.805	5.695	4.118
17.0	13.293	3.707	2.339	17.0	12.988	4.012	2.518	17.0	10.859	6.141	4.564
17.5	13.389	4.111	2.743	17.5	13.041	4.459	2.965	17.5	10.913	6.587	5.010
18.0	13.472	4.528	3.160	18.0	13.085	4.915	3.421	18.0	10.968	7.032	5.455
18.5	13.543	4.957	3.589	18.5	13.116	5.384	3.890	18.5	11.035	7.465	5.888
19.0	13.599	5.401	4.033	19.0	13.148	5.852	4.358	19.0	11.081	7.919	6.342
19.5	13.642	5.858	4.490	19.5	13.182	6.318	4.824	19.5	11.081	8.419	6.842
20.0	13.679	6.321	4.953	20.0	13.201	6.799	5.305	20.0	11.081	8.919	7.342

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

High Power Test Graph 30GHz to 40GHz CW (+85°C)

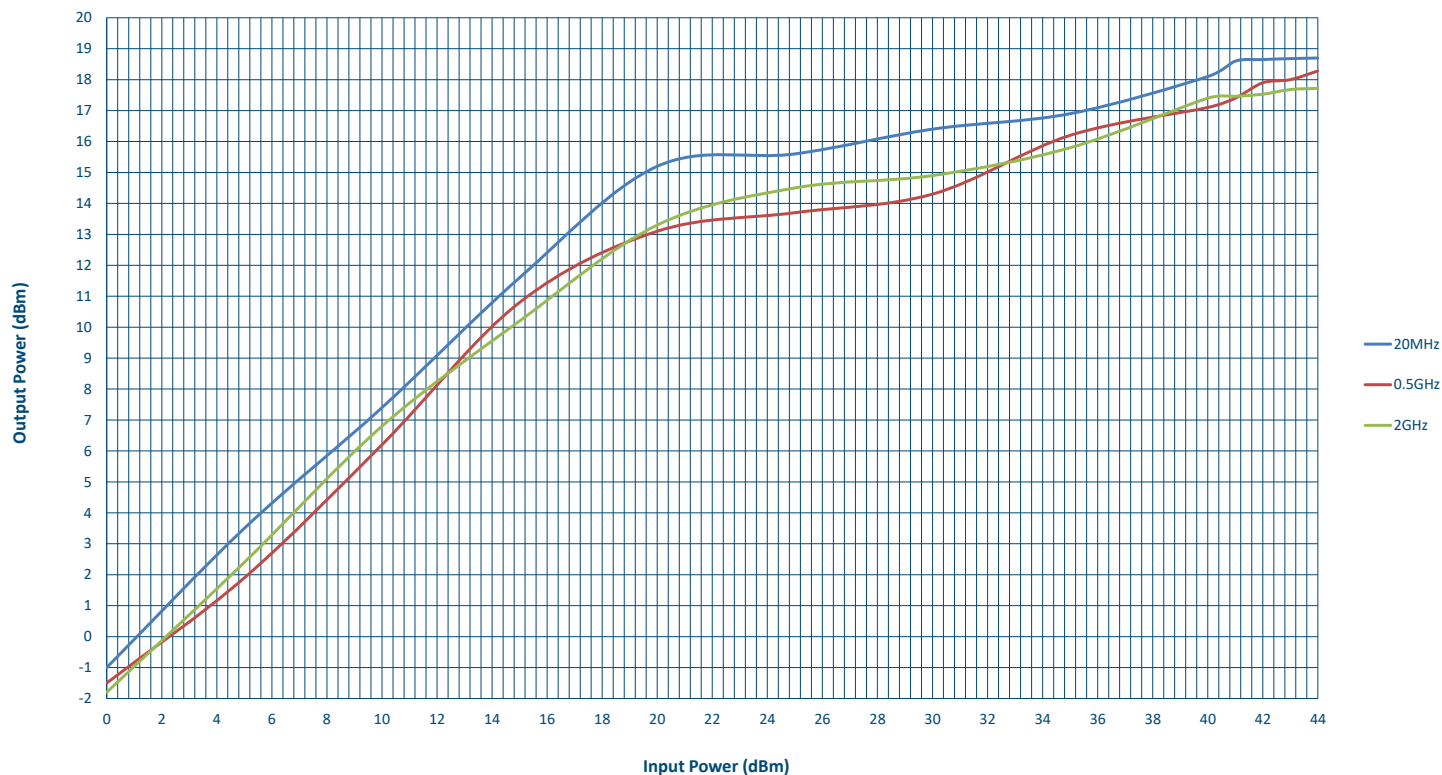


High Power Test Data 30GHz to 40GHz (CW)

30 GHz				35 GHz				40 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dBm)
0.0	-1.577	1.577	0.000	0.0	-2.710	2.710	0.000	0.0	-3.129	3.129	0.000
0.5	-0.872	1.372	0.206	0.5	-2.319	2.819	0.109	0.5	-2.442	2.942	0.187
1.0	-0.360	1.360	0.217	1.0	-1.789	2.789	0.079	1.0	-1.940	2.940	0.189
1.5	0.151	1.349	0.229	1.5	-1.257	2.757	0.046	1.5	-1.435	2.935	0.194
2.0	0.667	1.333	0.244	2.0	-0.726	2.726	0.016	2.0	-0.933	2.933	0.196
2.5	1.182	1.318	0.259	2.5	-0.195	2.695	0.015	2.5	-0.431	2.931	0.198
3.0	1.696	1.305	0.273	3.0	0.337	2.663	0.047	3.0	0.072	2.928	0.201
3.5	2.210	1.290	0.287	3.5	0.870	2.630	0.080	3.5	0.570	2.930	0.199
4.0	2.724	1.276	0.301	4.0	1.406	2.594	0.116	4.0	1.071	2.929	0.200
4.5	3.239	1.262	0.316	4.5	1.941	2.559	0.151	4.5	1.571	2.929	0.200
5.0	3.752	1.248	0.329	5.0	2.477	2.523	0.188	5.0	2.071	2.929	0.200
5.5	4.263	1.237	0.340	5.5	3.012	2.488	0.222	5.5	2.569	2.931	0.198
6.0	4.774	1.226	0.351	6.0	3.547	2.453	0.257	6.0	3.065	2.935	0.194
6.5	5.287	1.213	0.364	6.5	4.081	2.419	0.292	6.5	3.558	2.942	0.187
7.0	5.797	1.204	0.374	7.0	4.613	2.387	0.323	7.0	4.047	2.953	0.178
7.5	6.305	1.195	0.382	7.5	5.145	2.355	0.356	7.5	4.527	2.973	0.156
8.0	6.812	1.188	0.389	8.0	5.675	2.325	0.385	8.0	4.994	3.006	0.123
8.5	7.319	1.181	0.396	8.5	6.204	2.296	0.414	8.5	5.437	3.063	0.066
9.0	7.804	1.196	0.381	9.0	6.727	2.273	0.437	9.0	5.844	3.156	0.027
9.5	8.284	1.216	0.361	9.5	7.241	2.259	0.451	9.5	6.210	3.290	0.161
10.0	8.731	1.269	0.308	10.0	7.736	2.264	0.446	10.0	6.539	3.461	0.332
10.5	9.118	1.382	0.195	10.5	8.178	2.322	0.389	10.5	6.839	3.661	0.532
11.0	9.453	1.547	0.030	11.0	8.551	2.449	0.261	11.0	7.117	3.883	0.754
11.5	9.733	1.767	0.190	11.5	8.834	2.666	0.044	11.5	7.378	4.122	0.993
12.0	9.963	2.037	0.460	12.0	9.059	2.942	0.231	12.0	7.627	4.374	1.245
12.5	10.150	2.350	0.773	12.5	9.237	3.263	0.553	12.5	7.865	4.635	1.506
13.0	10.288	2.712	1.135	13.0	9.394	3.606	0.896	13.0	8.095	4.905	1.776
13.5	10.399	3.101	1.524	13.5	9.555	3.945	1.235	13.5	8.317	5.183	2.054
14.0	10.488	3.512	1.935	14.0	9.701	4.299	1.589	14.0	8.529	5.471	2.342
14.5	10.556	3.944	2.367	14.5	9.860	4.640	1.930	14.5	8.726	5.774	2.645
15.0	10.629	4.371	2.794	15.0	10.017	4.983	2.273	15.0	8.885	6.115	2.986
15.5	10.688	4.812	3.235	15.5	10.185	5.315	2.605	15.5	9.013	6.488	3.359
16.0	10.750	5.250	3.673	16.0	10.366	5.634	2.924	16.0	9.143	6.857	3.728
16.5	10.805	5.695	4.118	16.5	10.558	5.942	3.232	16.5	9.269	7.231	4.102
17.0	10.859	6.141	4.564	17.0	10.749	6.251	3.541	17.0	9.319	7.681	4.552
17.5	10.913	6.587	5.010	17.5	10.912	6.588	3.878	17.5	9.319	8.181	5.052
18.0	10.968	7.032	5.455	18.0	10.912	7.088	4.378	18.0	9.319	8.681	5.552
18.5	11.035	7.465	5.888	18.5	10.912	7.588	4.878	18.5	9.319	9.181	6.052
19.0	11.081	7.919	6.342	19.0	10.912	8.088	5.378	19.0	9.319	9.681	6.552
19.5	11.081	8.419	6.842	19.5	10.908	8.592	5.882	19.5	9.313	10.187	7.058
20.0	11.081	8.919	7.342	20.0	10.908	9.092	6.382	20.0	9.319	10.681	7.552

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Peak Power Test Graph (1 μ s PW, 1% Duty Cycle, 10KHz PRF)

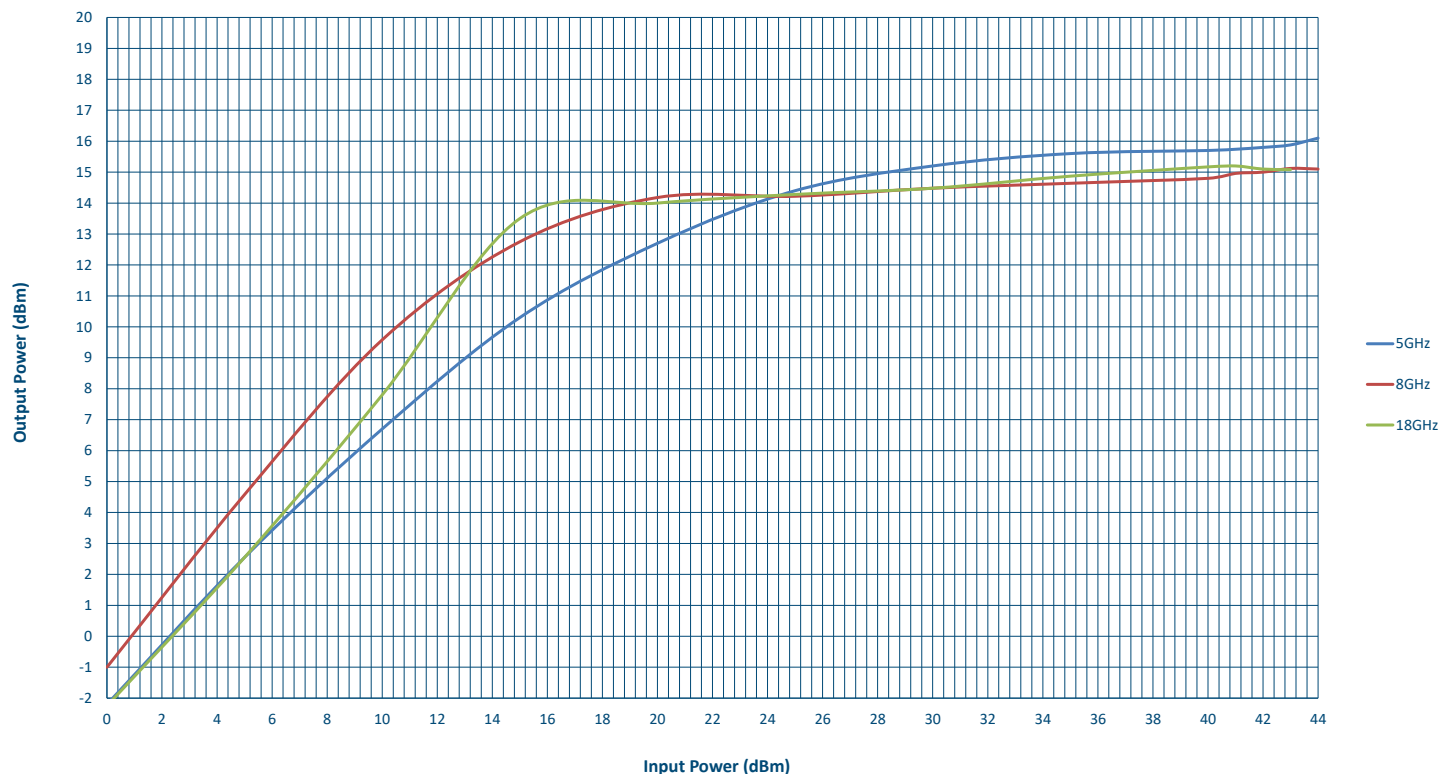


Peak Power Test Data (1 μ s PW, 1% Duty Cycle, 10 KHz PRF)

20MHz			0.5GHz			2GHz		
Power Input (dBm)	Power Output (dBm)	Loss	Power Input (dBm)	Power Output (dBm)	Loss	Power Input (dBm)	Power Output (dBm)	Loss
0.0	-1.00	1.0000	0.0	-1.50	1.5000	0.0	-1.80	1.8000
5.0	3.50	1.5000	5.0	1.90	3.1000	5.0	2.40	2.6000
10.0	7.40	2.6000	10.0	6.20	3.8000	10.0	6.80	3.2000
15.0	11.60	3.4000	15.0	10.80	4.2000	15.0	10.20	4.8000
20.0	15.20	4.8000	20.0	13.10	6.9000	20.0	13.30	6.7000
25.0	15.60	9.4000	25.0	13.70	11.3000	25.0	14.50	10.5000
30.0	16.40	13.6000	30.0	14.30	15.7000	30.0	14.90	15.1000
35.0	16.90	18.1000	35.0	16.20	18.8000	35.0	15.80	19.2000
40.0	18.10	21.9000	40.0	17.10	22.9000	40.0	17.40	22.6000
41.0	18.60	22.4000	41.0	17.40	23.6000	41.0	17.46	23.5400
42.0	18.65	23.3500	42.0	17.90	24.1000	42.0	17.53	24.4700
43.0	18.68	24.3200	43.0	18.00	25.0000	43.0	17.68	25.3200
44.0	18.70	25.3000	44.0	18.28	25.7200	44.0	17.72	26.2800
DO NOT EXCEED								

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Peak Power Test Graph (1 μ s PW, 1% Duty Cycle, 10KHz PRF)

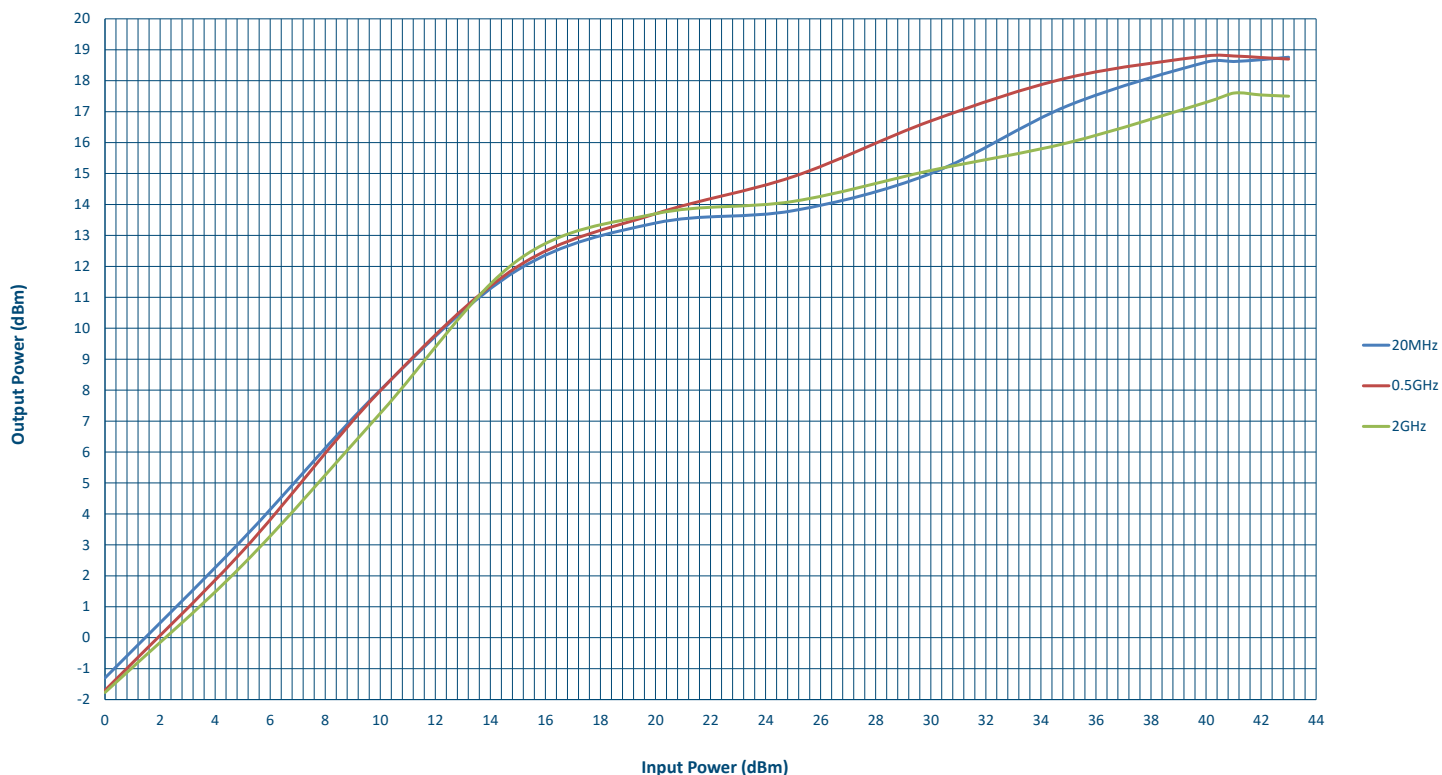


Peak Power Test Data (1 μ s PW, 1% Duty Cycle, 10 KHz PRF)

5GHz			8GHz			18GHz		
Power Input (dBm)	Power Output (dBm)	Loss	Power Input (dBm)	Power Output (dBm)	Loss	Power Input (dBm)	Power Output (dBm)	Loss
0.0	-2.20	2.2000	0.0	-1.00	1.0000	0.0	-2.250	2.2500
5.0	2.55	2.4500	5.0	4.58	0.4200	5.0	2.550	2.4500
10.0	6.70	3.3000	10.0	9.58	0.4200	10.0	7.800	2.2000
15.0	10.30	4.7000	15.0	12.75	2.2500	15.0	13.500	1.5000
20.0	12.70	7.3000	20.0	14.18	5.8200	20.0	14.000	6.0000
25.0	14.40	10.6000	25.0	14.22	10.7800	25.0	14.280	10.7200
30.0	15.20	14.8000	30.0	14.48	15.5200	30.0	14.480	15.5200
35.0	15.60	19.4000	35.0	14.64	20.3600	35.0	14.870	20.1300
40.0	15.70	24.3000	40.0	14.80	25.2000	40.0	15.170	24.8300
41.0	15.74	25.2600	41.0	14.96	26.0400	41.0	15.200	25.8000
42.0	15.80	26.2000	42.0	15.00	27.0000	42.0	15.100	26.9000
43.0	15.88	27.1200	43.0	15.12	27.8800	43.0	15.080	27.9200
44.0	16.10	27.9000	44.0	15.10	28.9000	DO NOT EXCEED		
DO NOT EXCEED								

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Peak Power Test Graph (10 μ s PW, 1% Duty Cycle, 1KHz PRF)

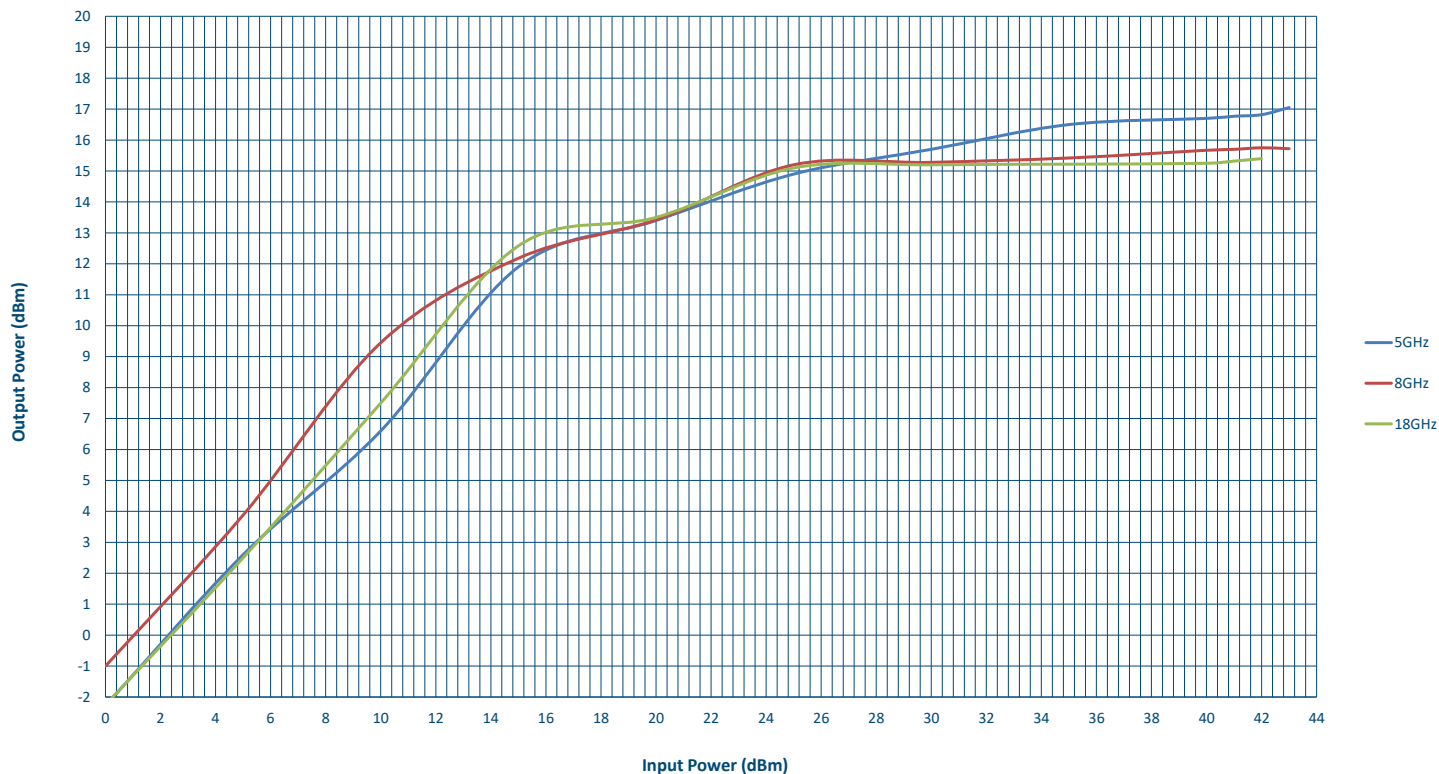


Peak Power Test Data (10 μ s PW, 1% Duty Cycle, 1 KHz PRF)

20MHz			0.5GHz			2GHz		
Power Input (dBm)	Power Output (dBm)	Loss	Power Input (dBm)	Power Output (dBm)	Loss	Power Input (dBm)	Power Output (dBm)	Loss
0.0	-1.30	1.3000	0.0	-1.70	1.7000	0.0	-1.77	1.7700
5.0	3.18	1.8200	5.0	2.80	2.2000	5.0	2.35	2.6500
10.0	8.00	2.0000	10.0	7.98	2.0200	10.0	7.25	2.7500
15.0	11.89	3.1100	15.0	12.00	3.0000	15.0	12.20	2.8000
20.0	13.40	6.6000	20.0	13.70	6.3000	20.0	13.70	6.3000
25.0	13.80	11.2000	25.0	14.90	10.1000	25.0	14.10	10.9000
30.0	15.00	15.0000	30.0	16.70	13.3000	30.0	15.10	14.9000
35.0	17.20	17.8000	35.0	18.10	16.9000	35.0	16.00	19.0000
40.0	18.60	21.4000	40.0	18.80	21.2000	40.0	17.30	22.7000
41.0	18.62	22.3800	41.0	18.80	22.2000	41.0	17.60	23.4000
42.0	18.68	23.3200	42.0	18.75	23.2500	42.0	17.54	24.4600
43.0	18.76	24.2400	43.0	18.70	24.3000	43.0	17.50	25.5000
DO NOT EXCEED								

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Peak Power Test Graph (10μs PW, 1% Duty Cycle, 1KHz PRF)

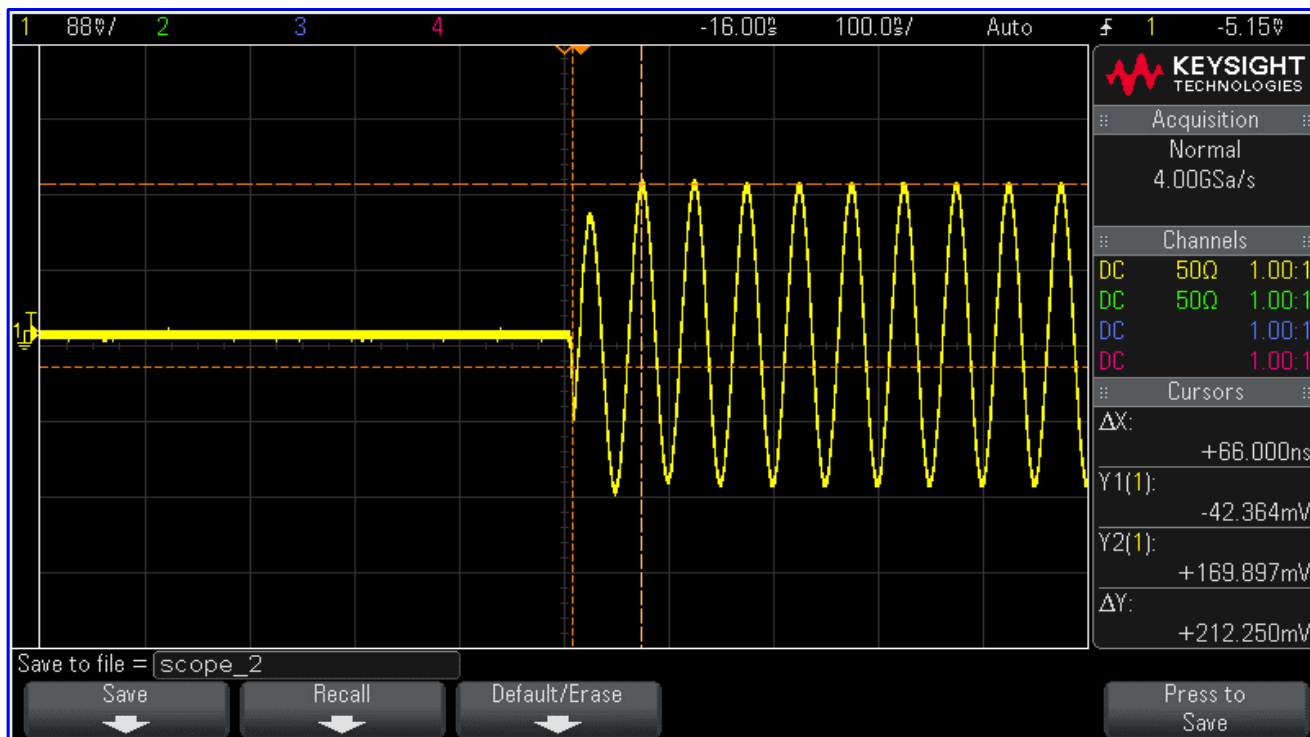


Peak Power Test Data (10μs PW, 1% Duty Cycle, 1KHz PRF)

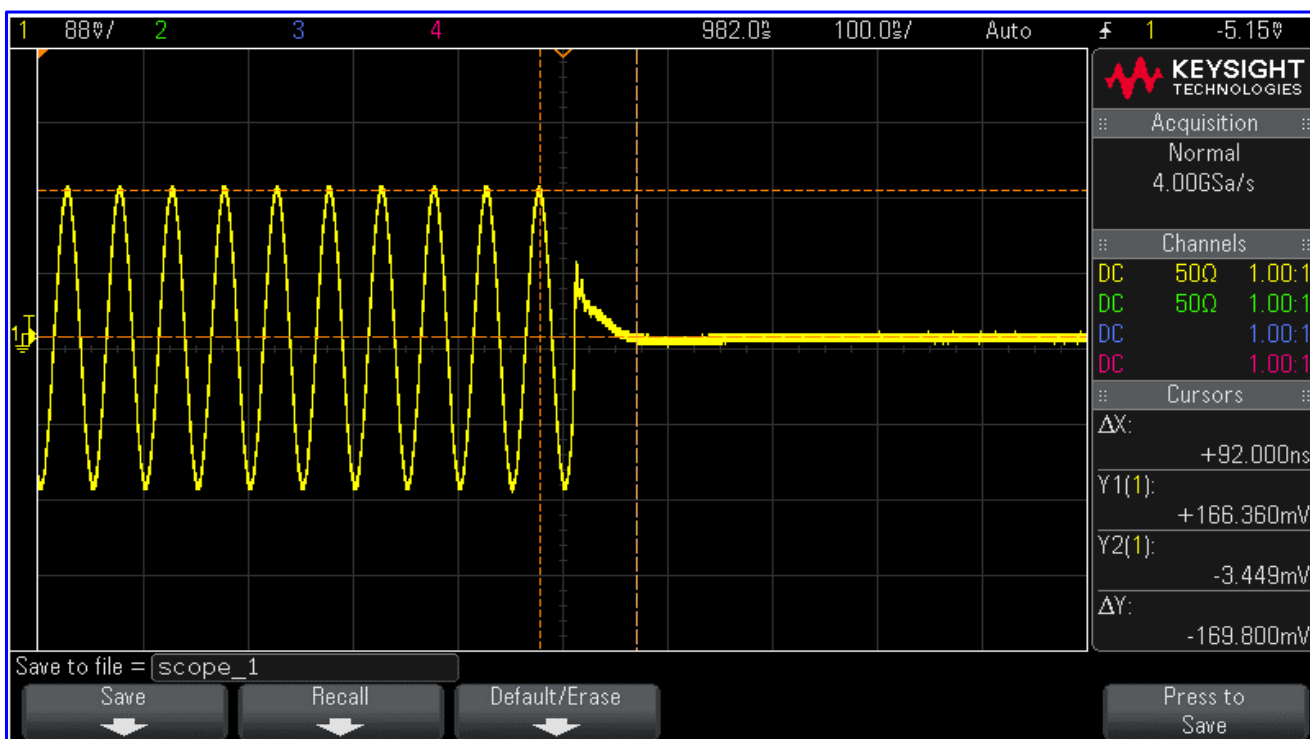
Peak Power Test Data (10μs PW, 1% Duty Cycle, 1KHz PRF)								
5GHz			8GHz			18GHz		
Power Input (dBm)	Power Output (dBm)	Loss	Power Input (dBm)	Power Output (dBm)	Loss	Power Input (dBm)	Power Output (dBm)	Loss
0.0	-2.28	2.2800	0.0	-1.00	1.0000	0.0	-2.250	2.2500
5.0	2.60	2.4000	5.0	3.88	1.1200	5.0	2.500	2.5000
10.0	6.60	3.4000	10.0	9.45	0.5500	10.0	7.500	2.5000
15.0	11.90	3.1000	15.0	12.18	2.8200	15.0	12.580	2.4200
20.0	13.40	6.6000	20.0	13.42	6.5800	20.0	13.500	6.5000
25.0	14.90	10.1000	25.0	15.20	9.8000	25.0	15.100	9.9000
30.0	15.70	14.3000	30.0	15.28	14.7200	30.0	15.200	14.8000
35.0	16.50	18.5000	35.0	15.42	19.5800	35.0	15.220	19.7800
40.0	16.70	23.3000	40.0	15.67	24.3300	40.0	15.250	24.7500
41.0	16.77	24.2300	41.0	15.70	25.3000	41.0	15.320	25.6800
42.0	16.82	25.1800	42.0	15.75	26.2500	42.0	15.400	26.6000
43.0	17.05	25.9500	43.0	15.72	27.2800	DO NOT EXCEED		
DO NOT EXCEED								

Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +20dBm (0.1 Watt) @ 20MHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
100ns Per Div. Measured Value (66.0ns)

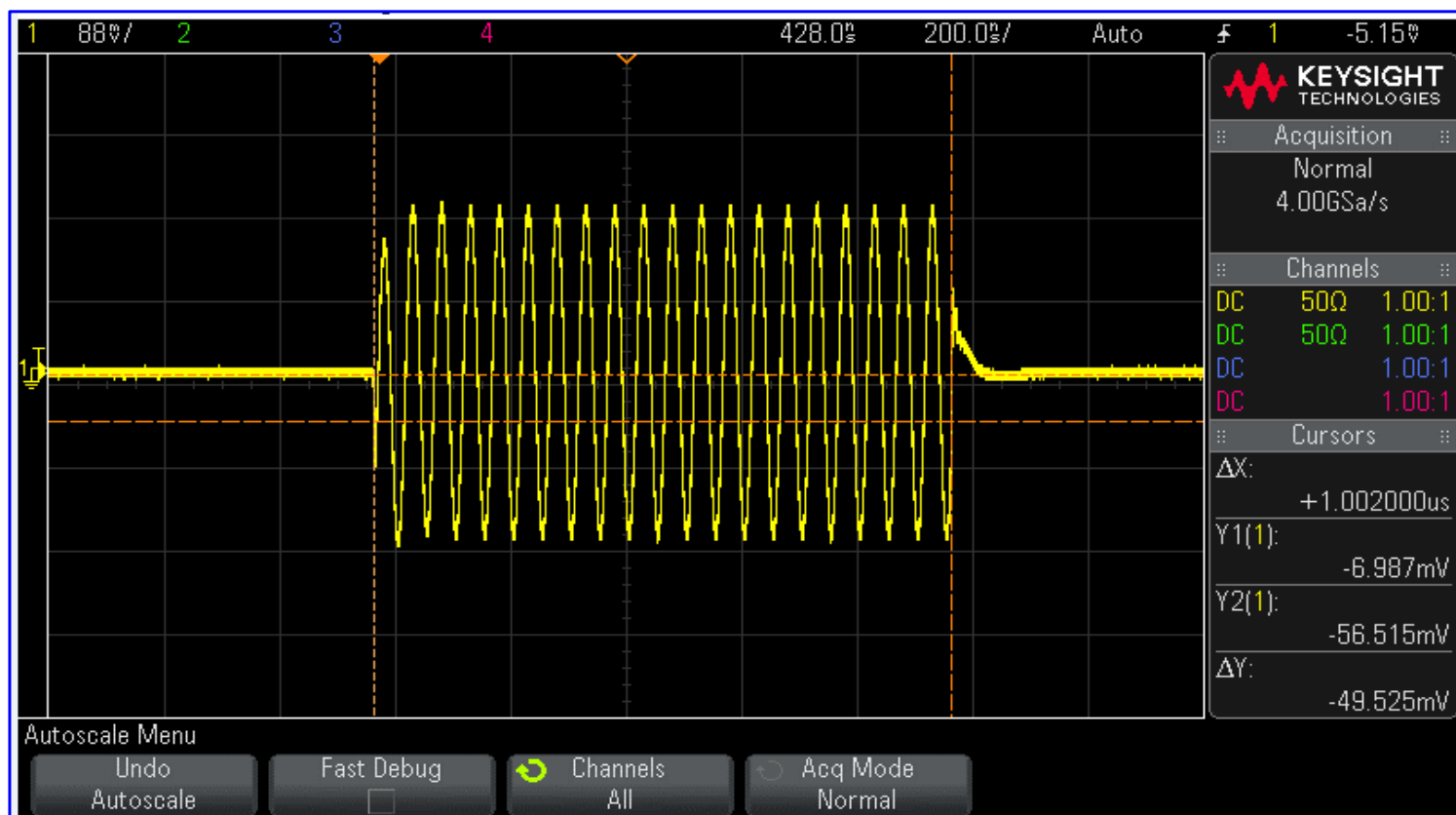


Recovery Time +20dBm (0.1 Watt) @ 20MHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
100ns Per Div. - Measured Value (92.00ns)



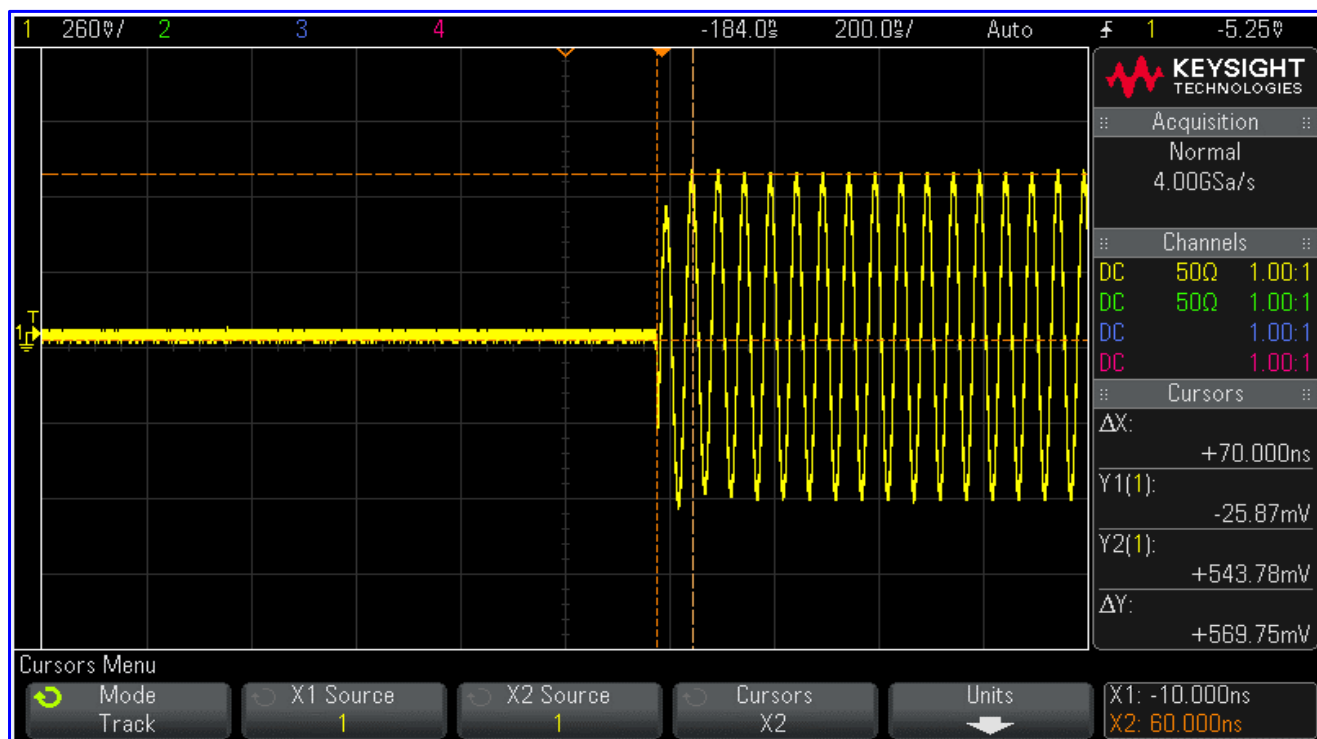
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power +20dBm (0.1 Watt) @ 20MHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

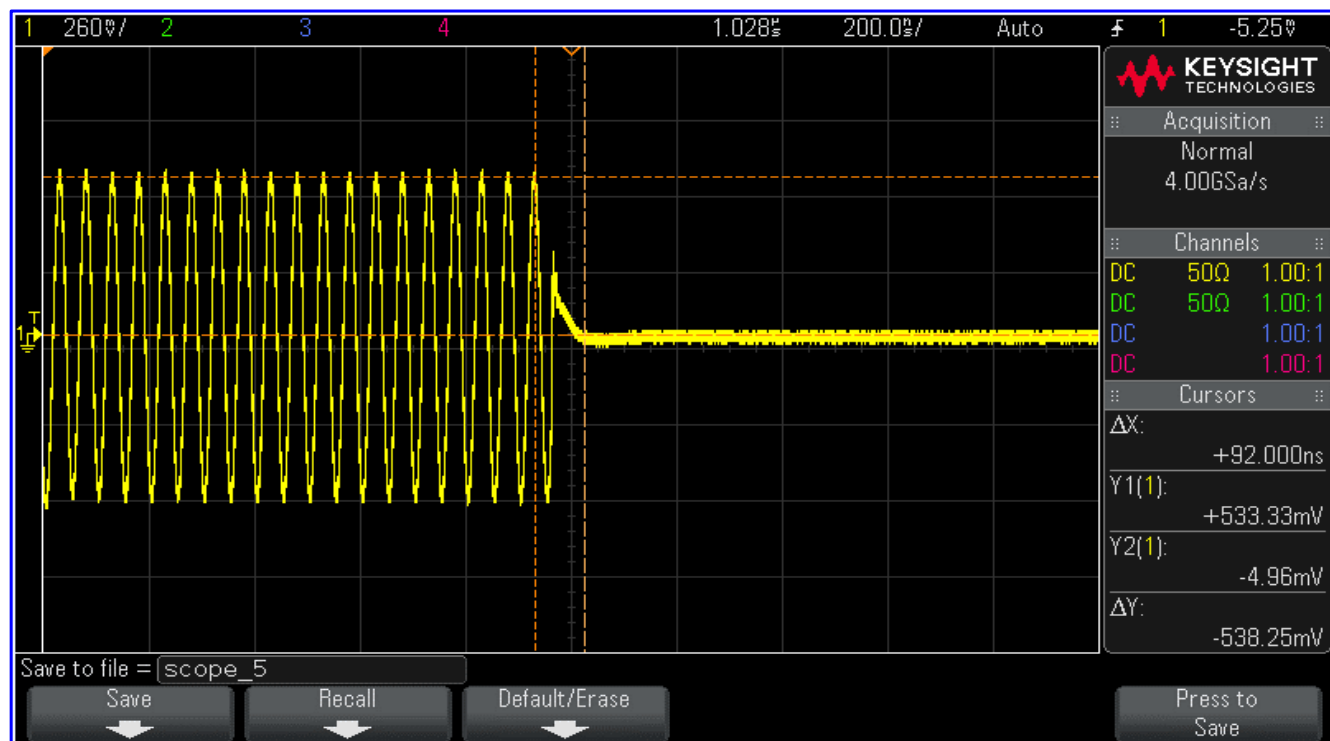


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +30dBm (1 Watt) @ 20MHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div. Measured Value (70.0ns)

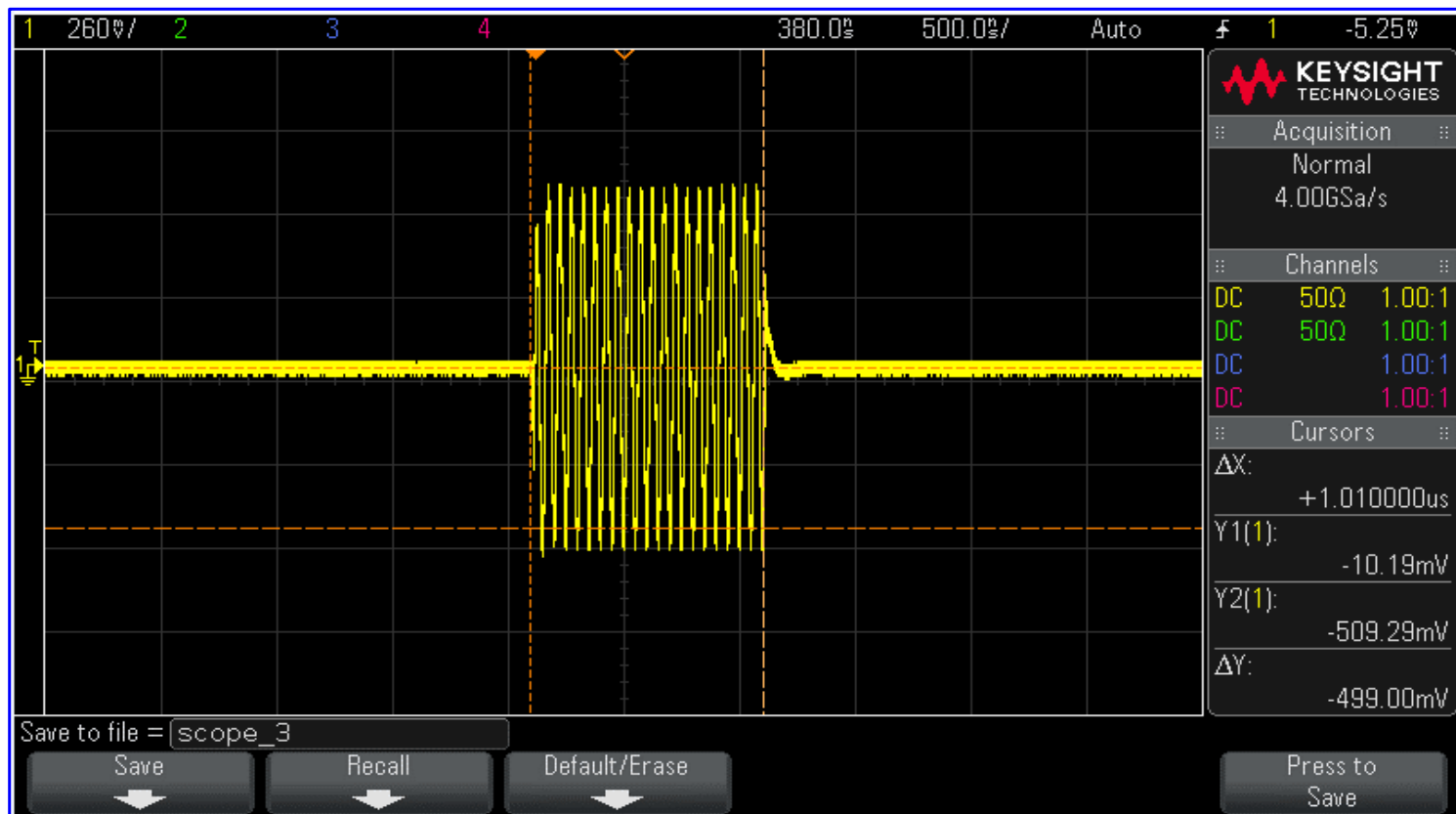


Recovery Time +30dBm (1 Watt) @ 20MHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div. - Measured Value (92.00ns)



Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

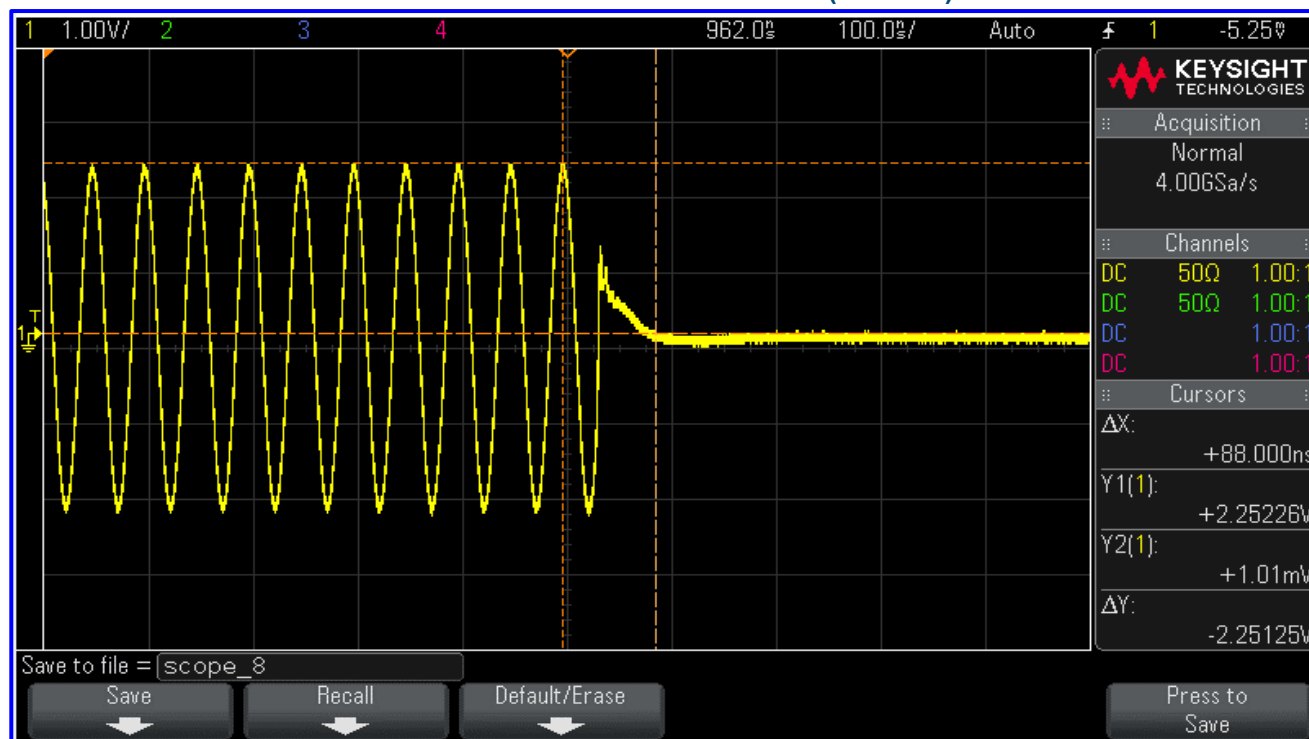
Full Pulse Peak Power +30dBm (1 Watt) @ 20MHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
500ns Per Div.



Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

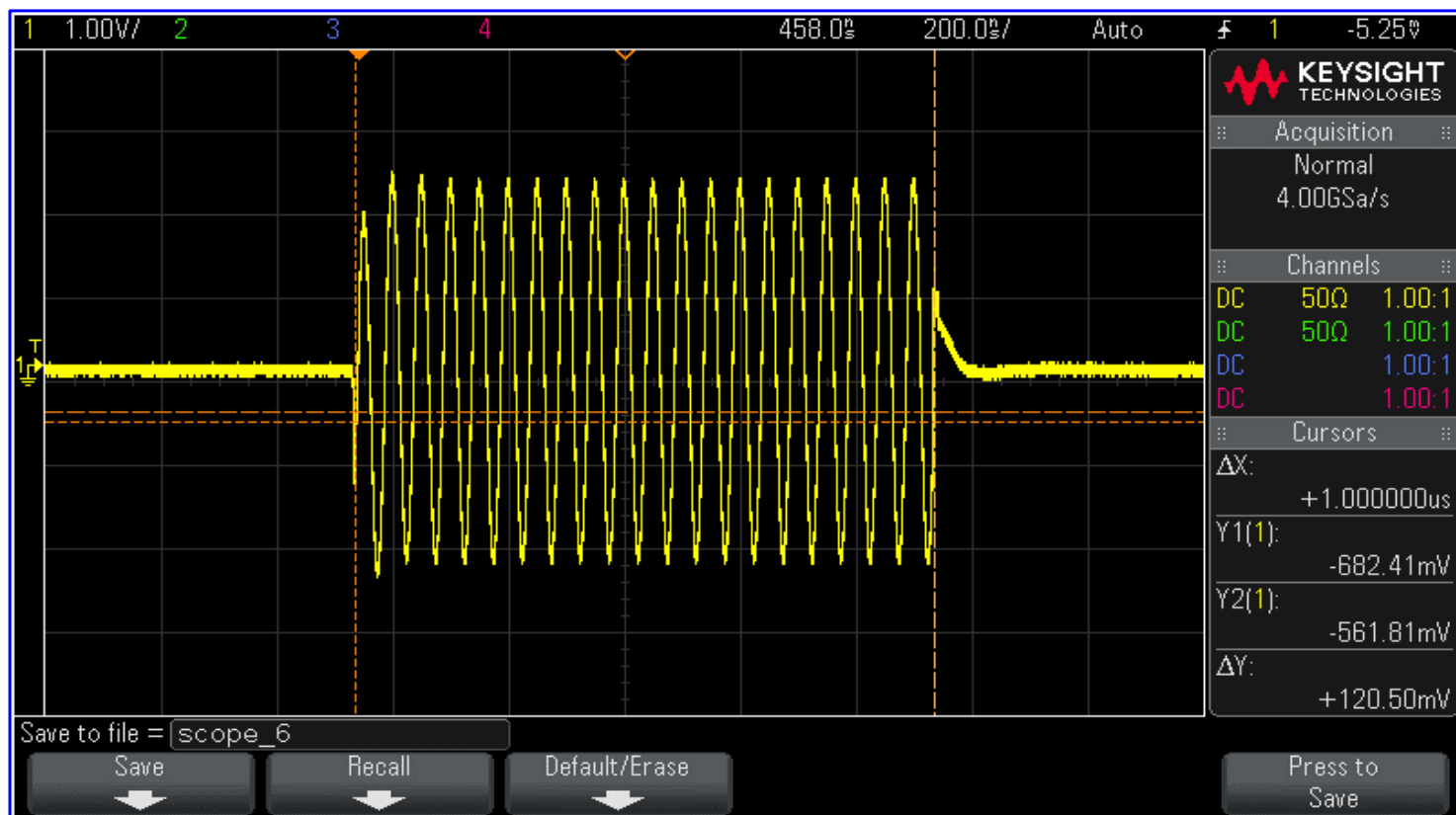


Recovery Time +44dBm (25 Watt) @ 20MHz
Pulse (Pw 1μs, Duty Cycle 1%, Pulse Rate 10KHz)
100ns Per Div. - Measured Value (88.00ns)



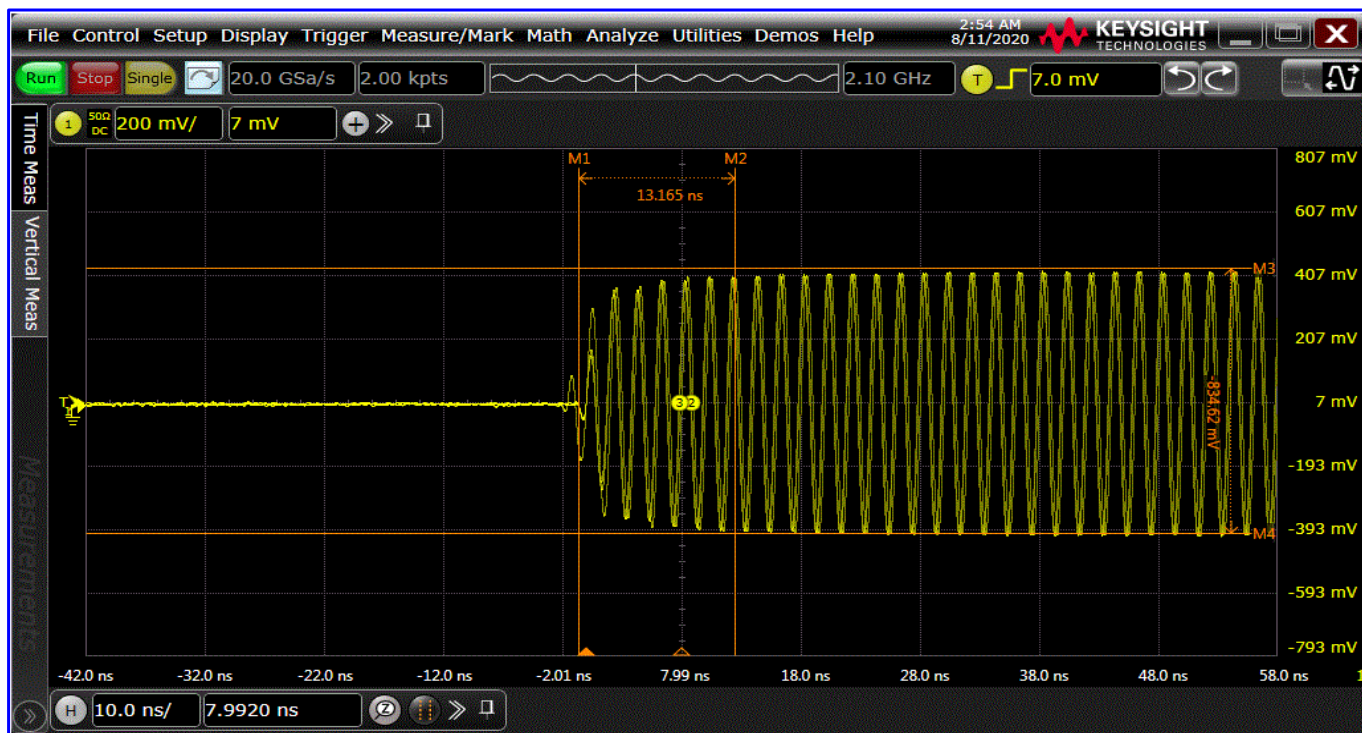
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power +44dBm (25 Watt) @ 20MHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

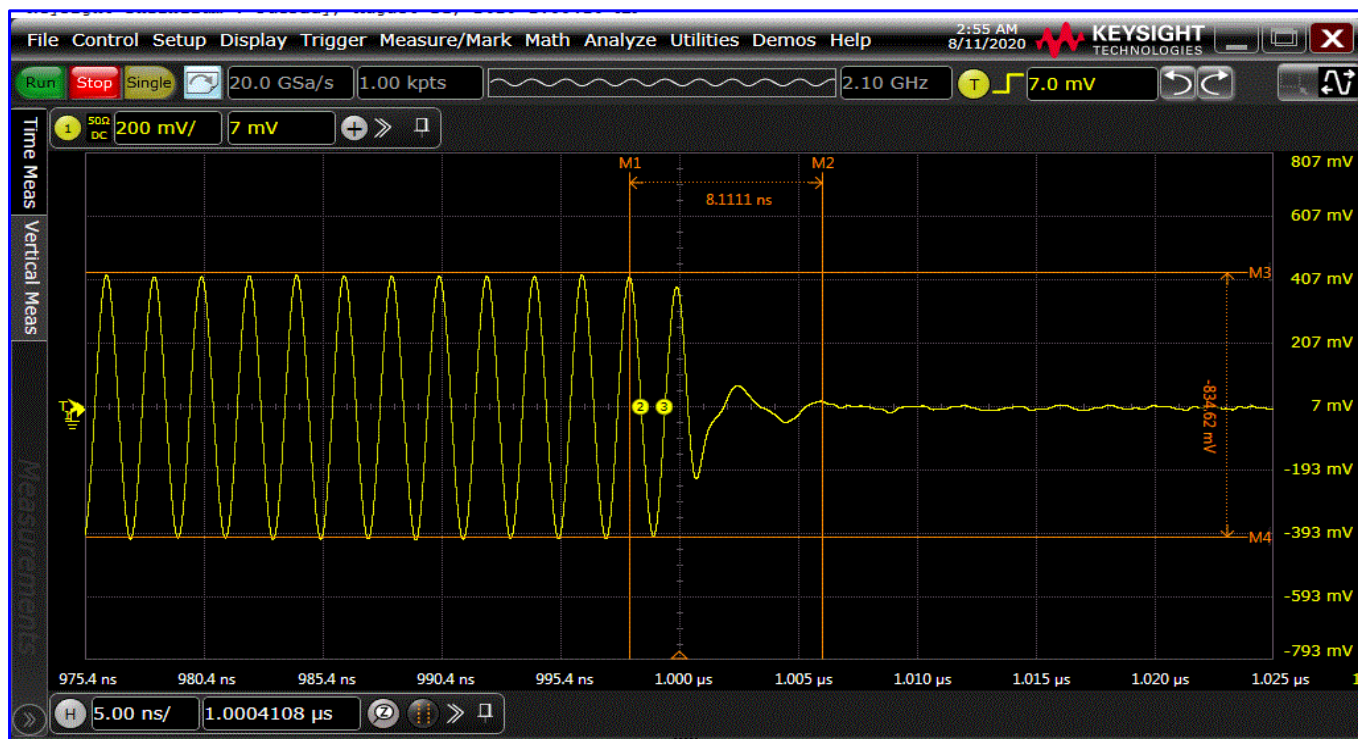


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +20dBm (0.1 Watt) @ 0.5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. Measured Value (13.16ns)

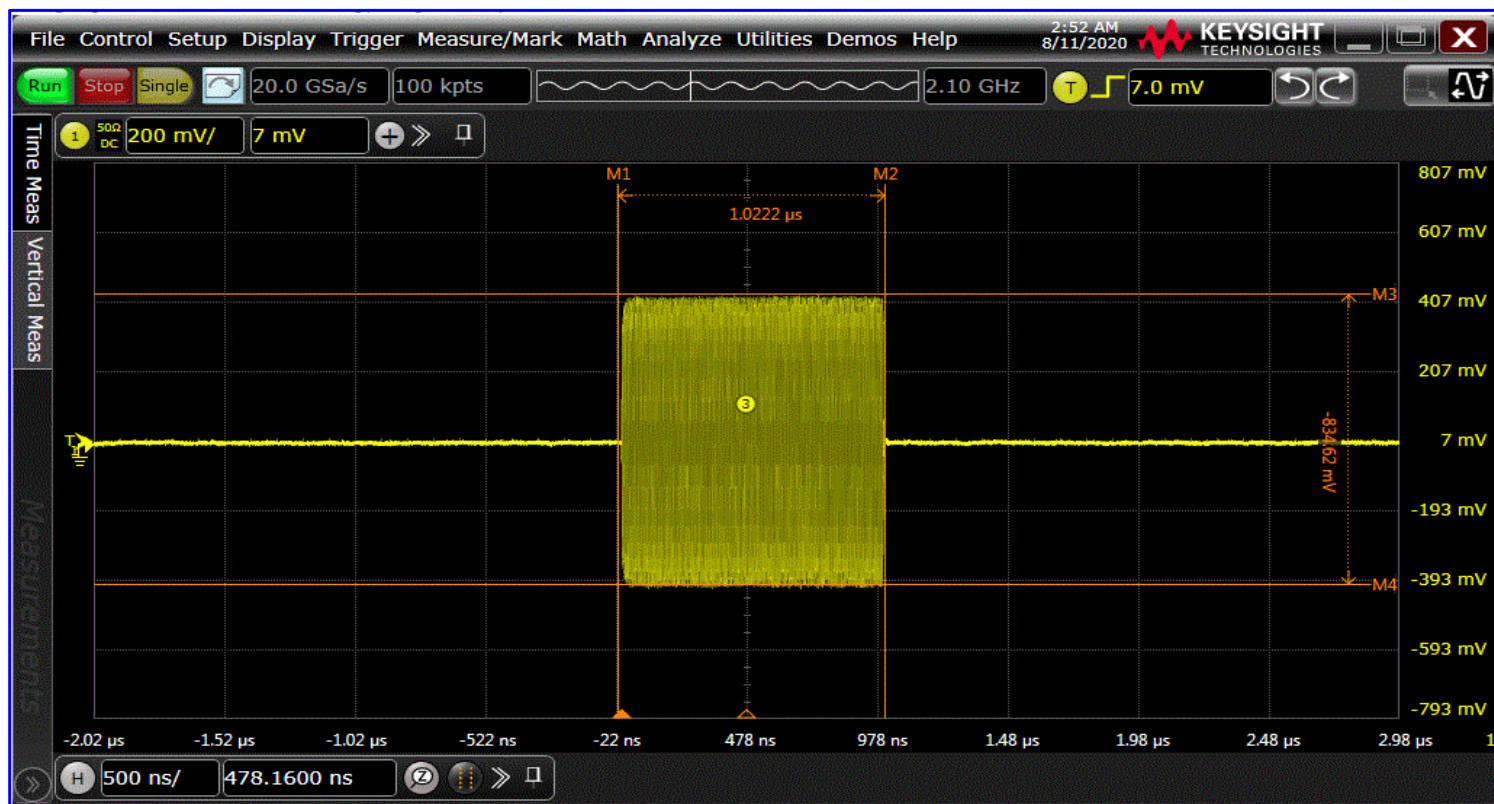


Recovery Time +20dBm (0.1 Watt) @ 0.5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
5ns Per Div. - Measured Value (8.11ns)



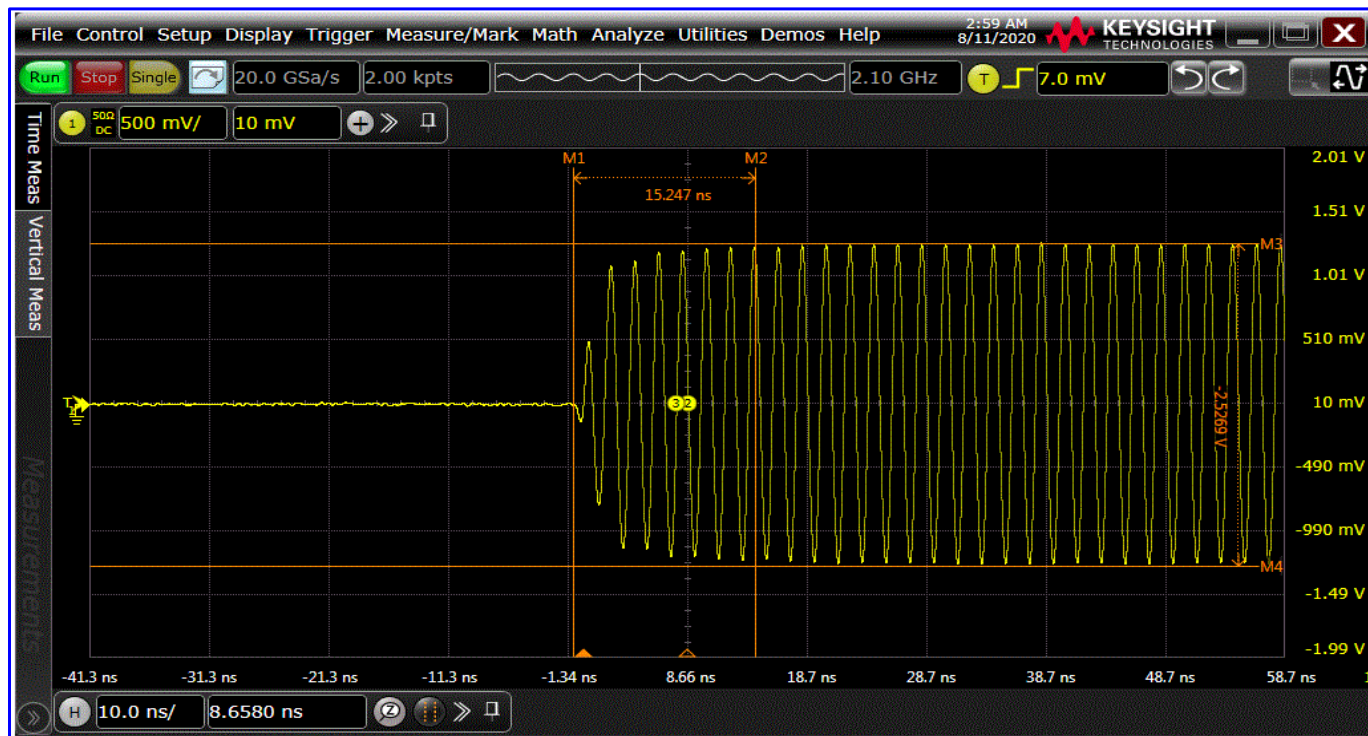
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power +20dBm (0.1 Watt) @ 0.5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
500ns Per Div.

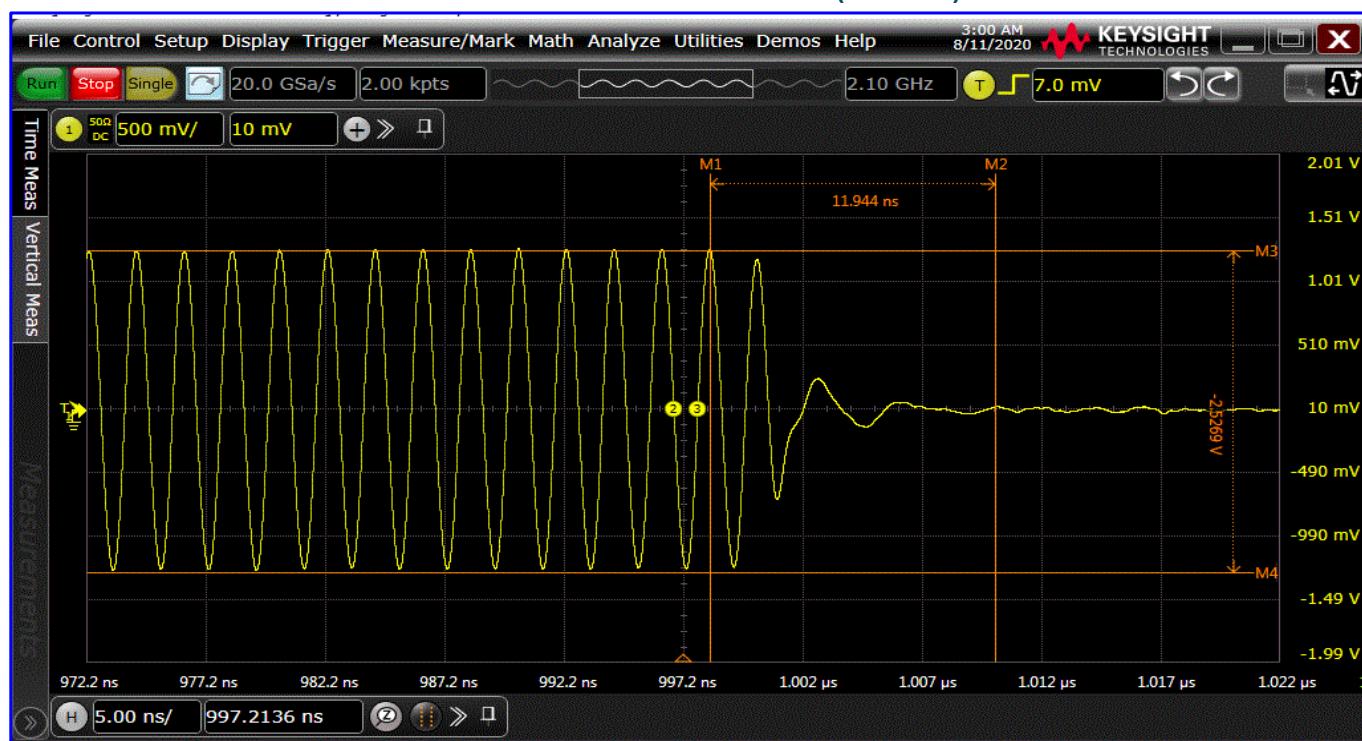


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +30dBm (1 Watt) @ 0.5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. Measured Value (15.24ns)



Recovery Time +30dBm (1 Watt) @ 0.5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
5ns Per Div. - Measured Value (11.94ns)



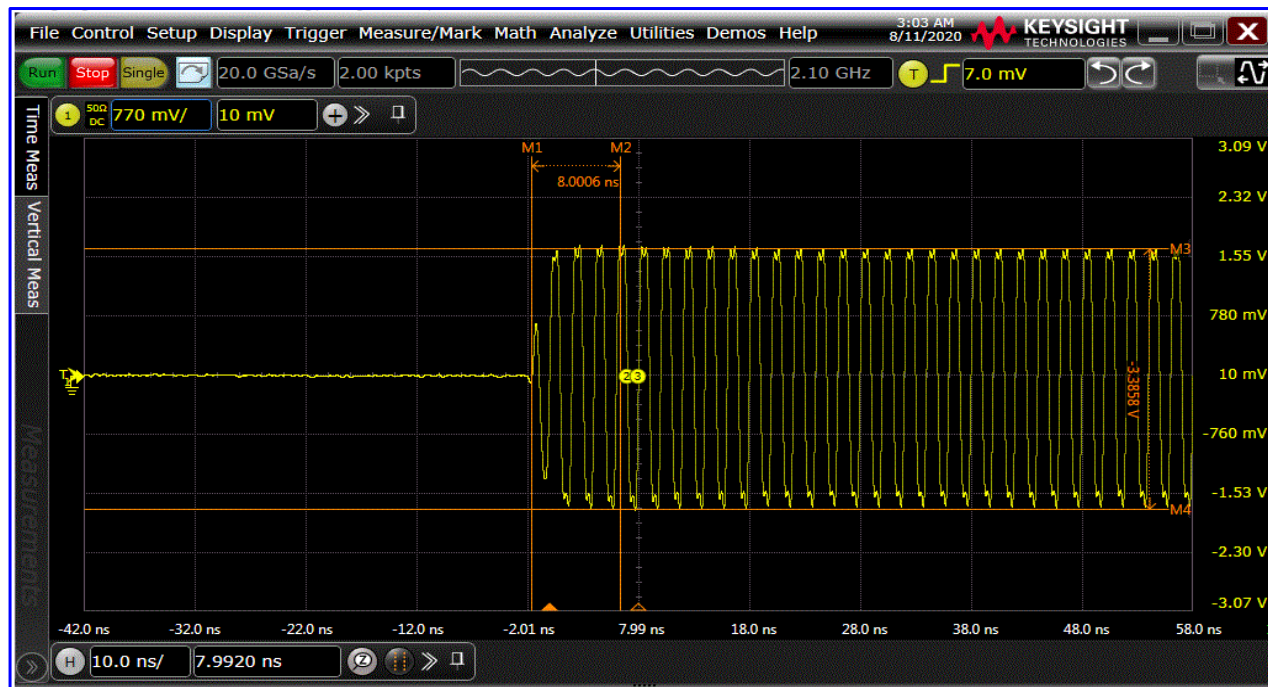
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power +30dBm (1 Watt) @ 0.5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
500ns Per Div.

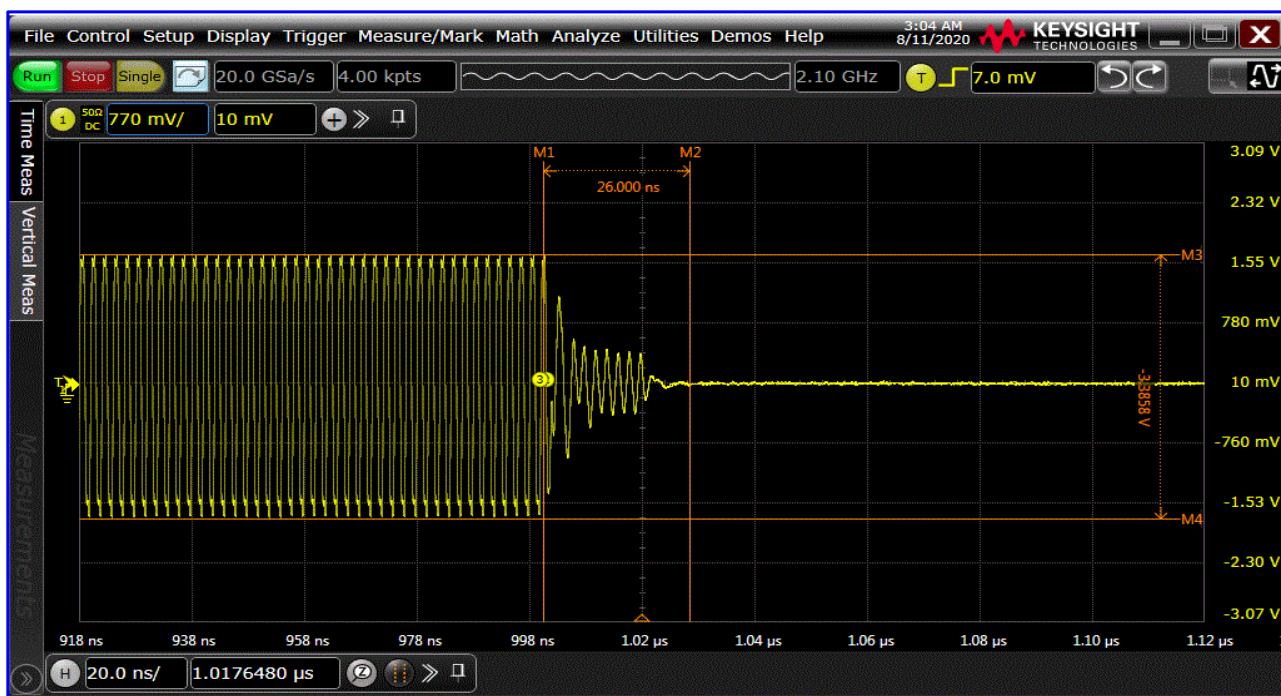


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +44dBm (25 Watt) @ 0.5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. Measured Value (8.0ns)

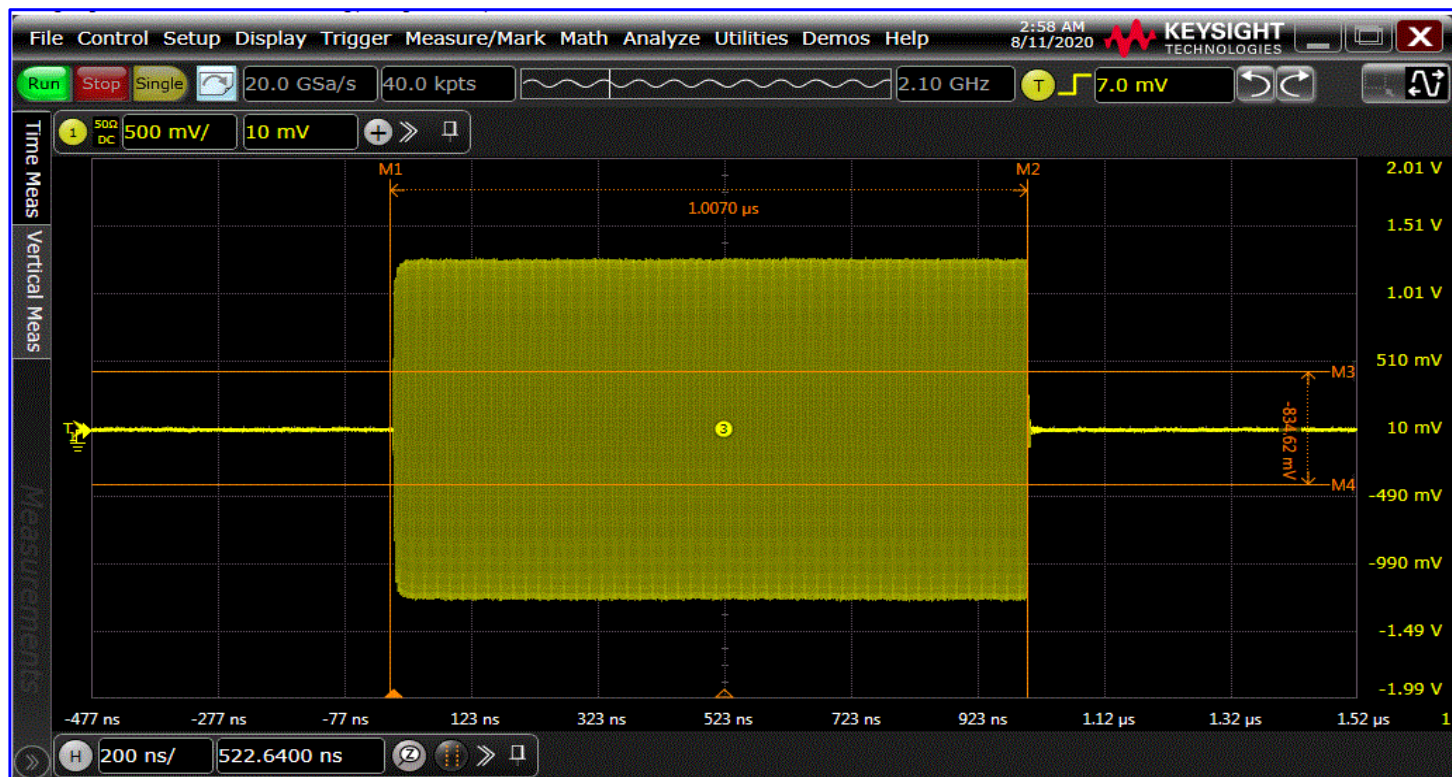


Recovery Time +44dBm (25 Watt) @ 0.5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
20ns Per Div. - Measured Value (26.00ns)



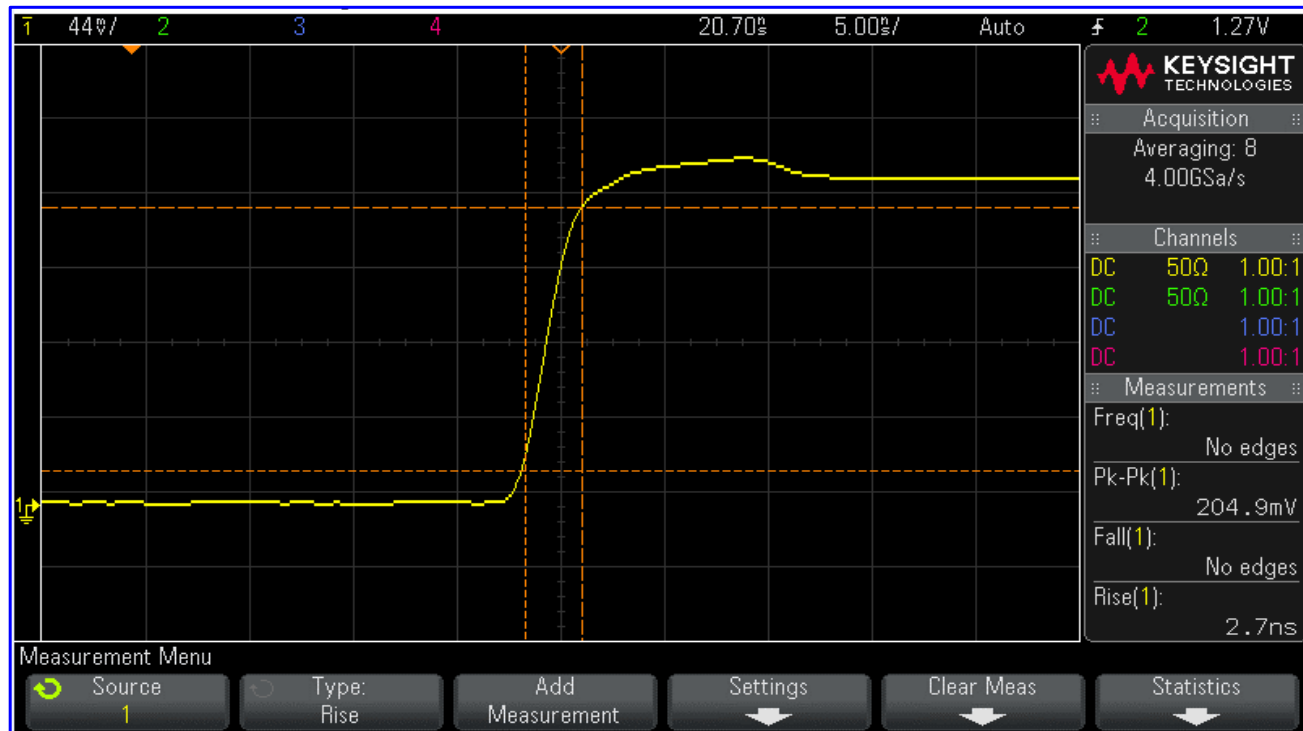
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power +44dBm (25 Watt) @ 0.5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

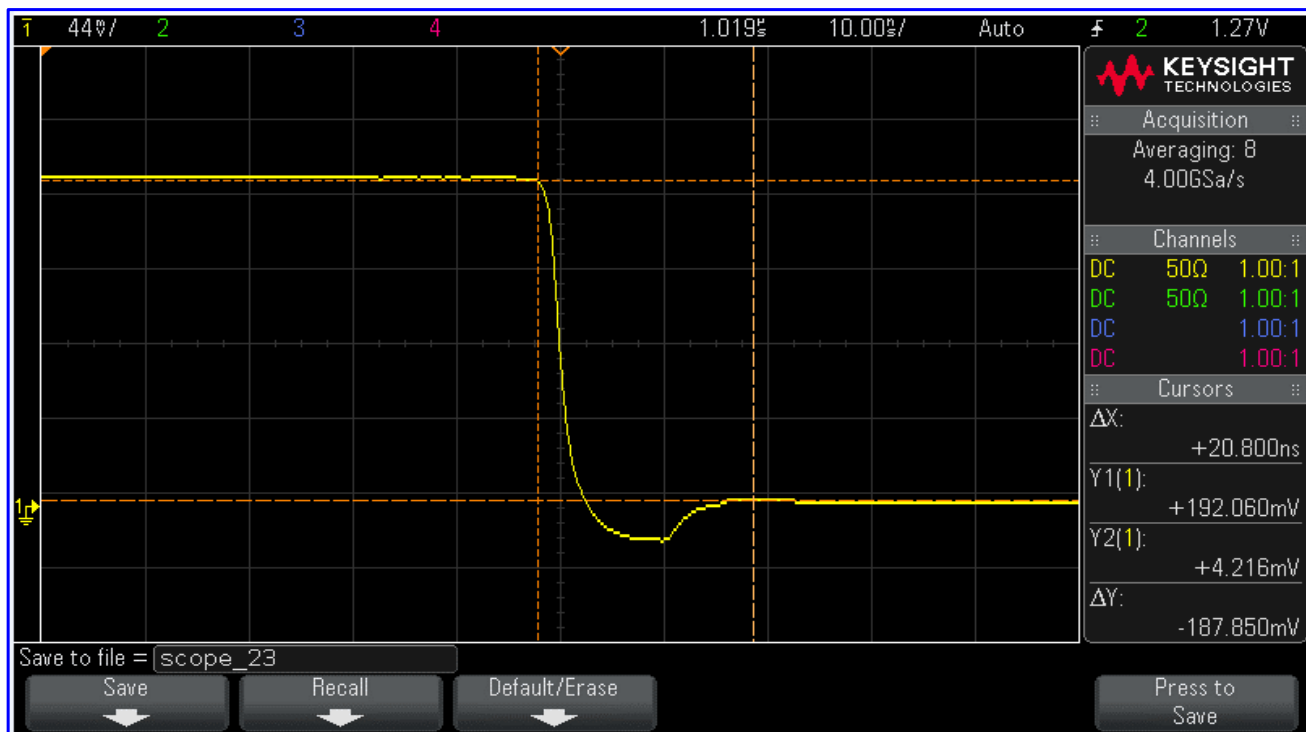


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +20dBm (0.1 Watt) @ 2GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
5ns Per Div. Measured Value (2.7ns)

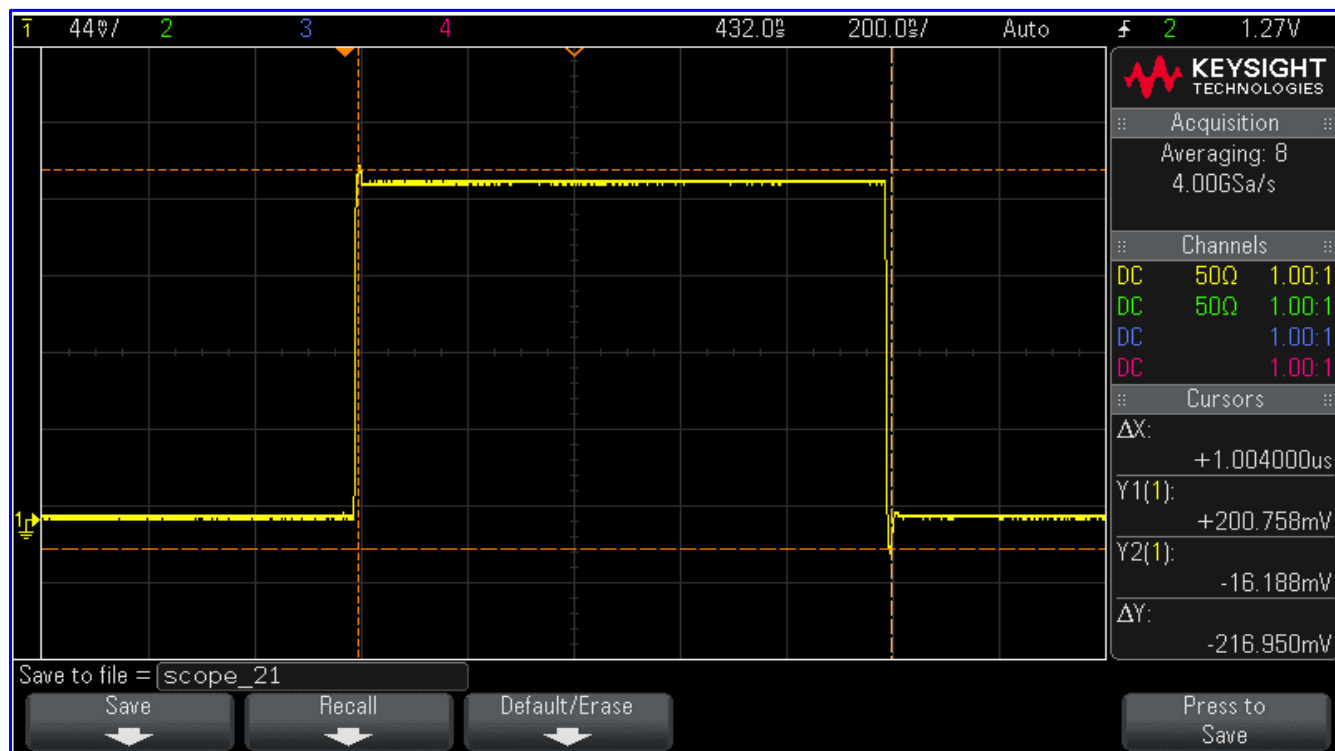


Recovery Time +20dBm (0.1 Watt) @ 2GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. - Measured Value (20.80ns)



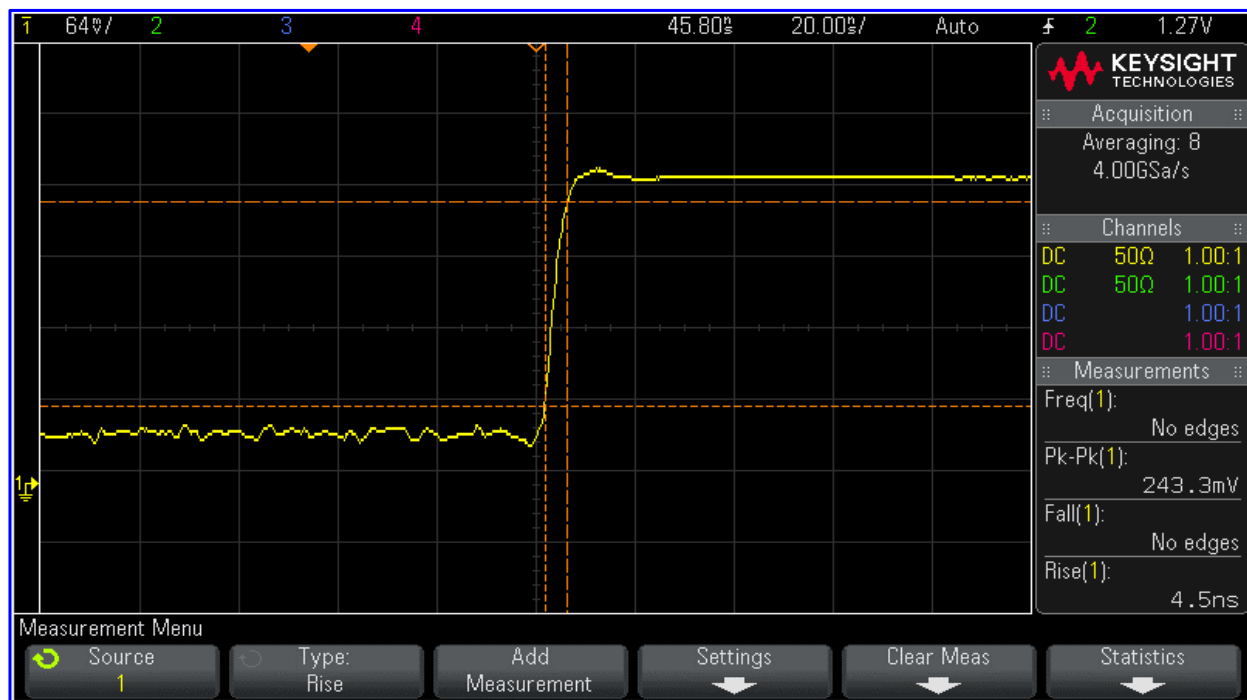
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power +20dBm (0.1 Watt) @ 2GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

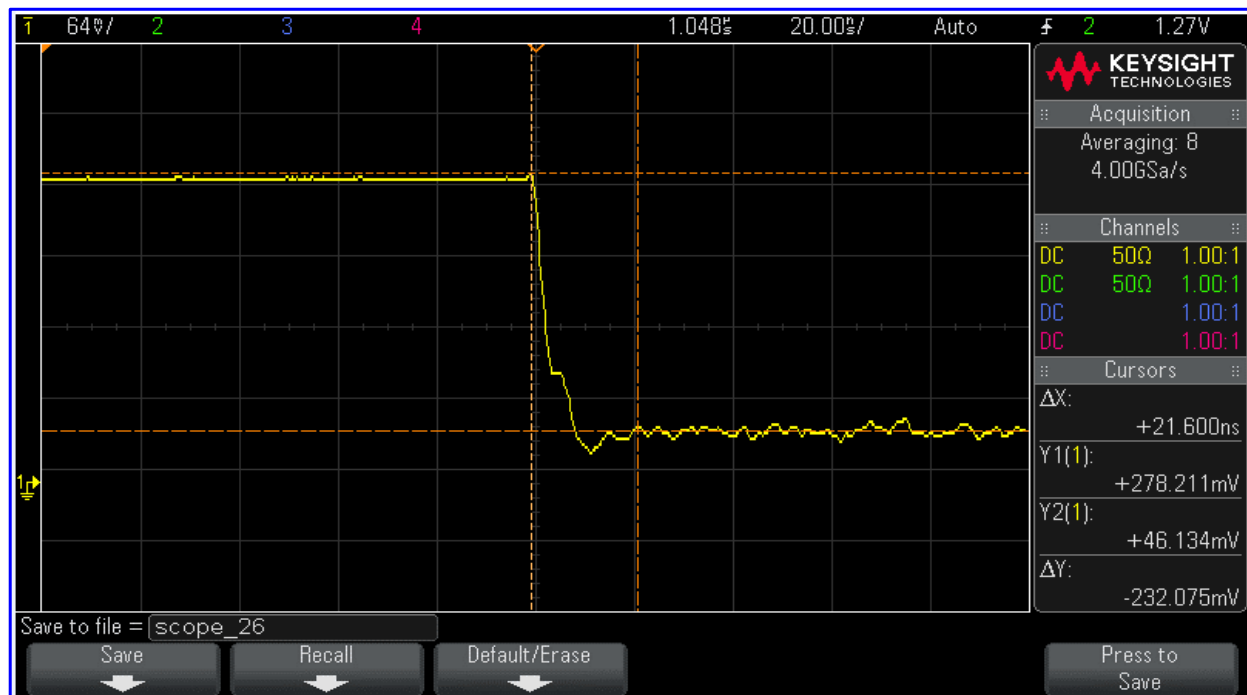


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +30dBm (1 Watt) @ 2GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
20ns Per Div. Measured Value (4.5ns)



Recovery Time +30dBm (1 Watt) @ 2GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
20ns Per Div. - Measured Value (21.60ns)



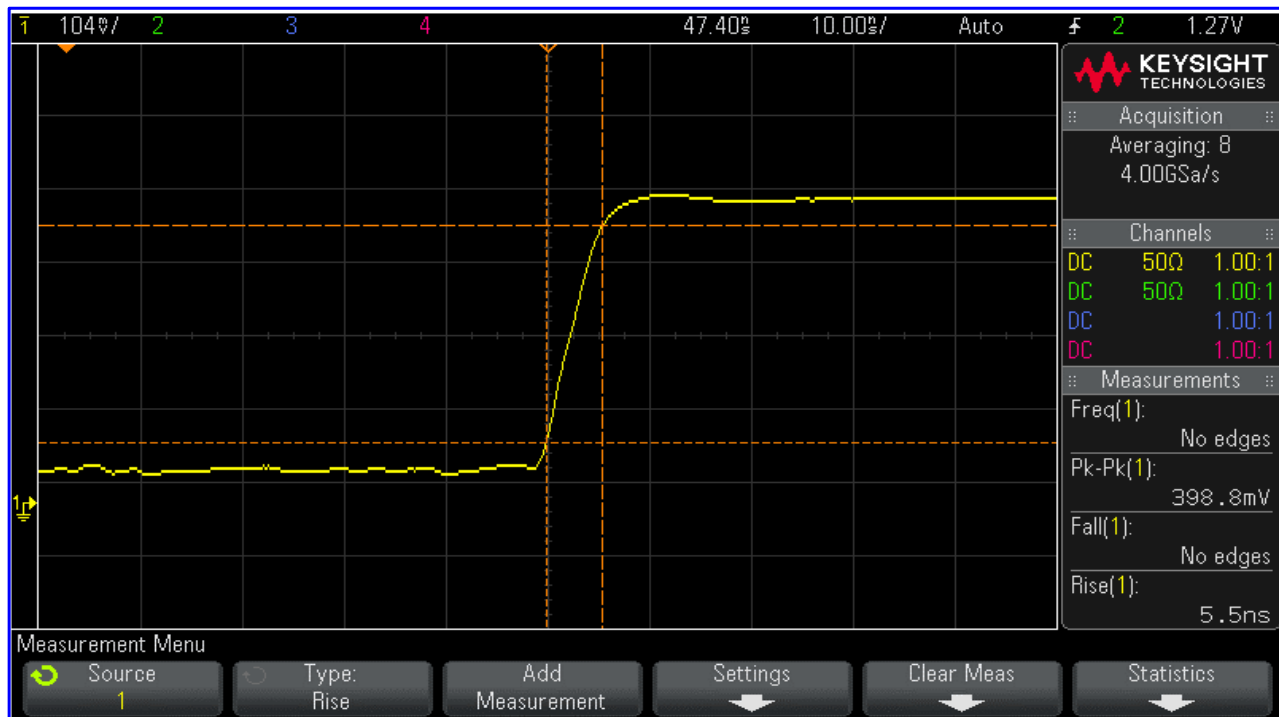
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power +30dBm (1 Watt) @ 2GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

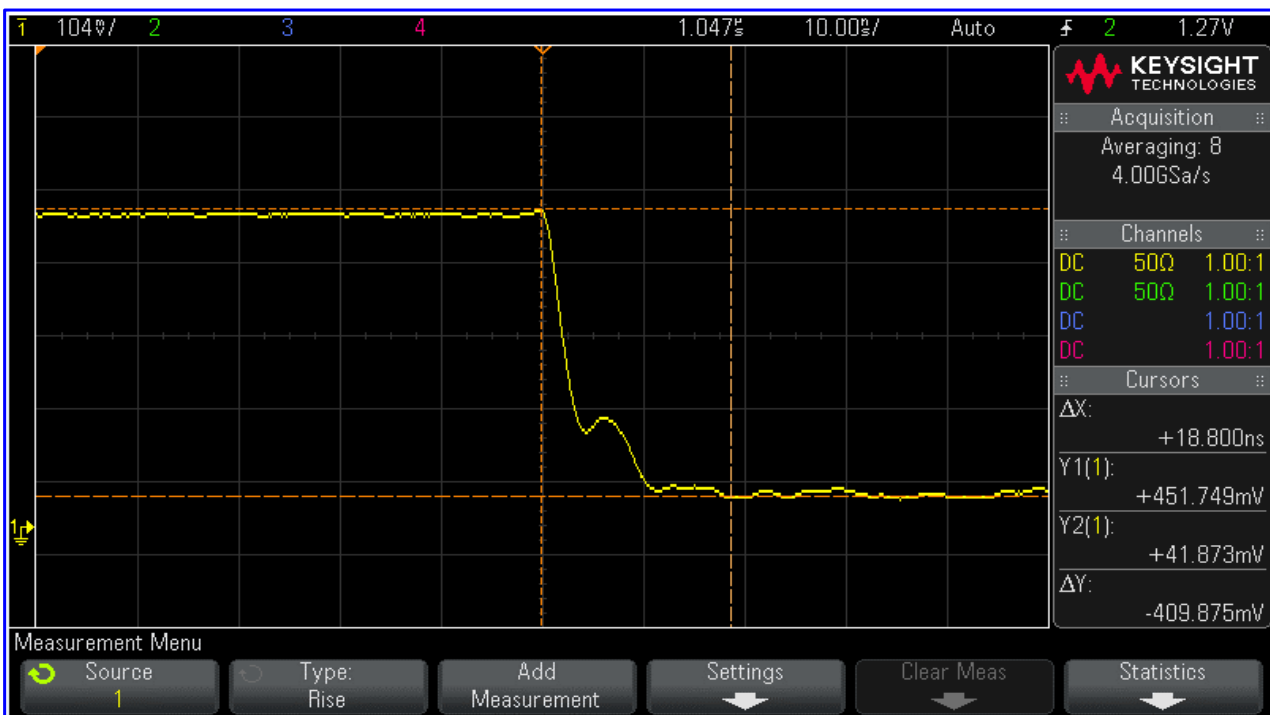


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +44dBm (25 Watt) @ 2GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. Measured Value (5.5ns)

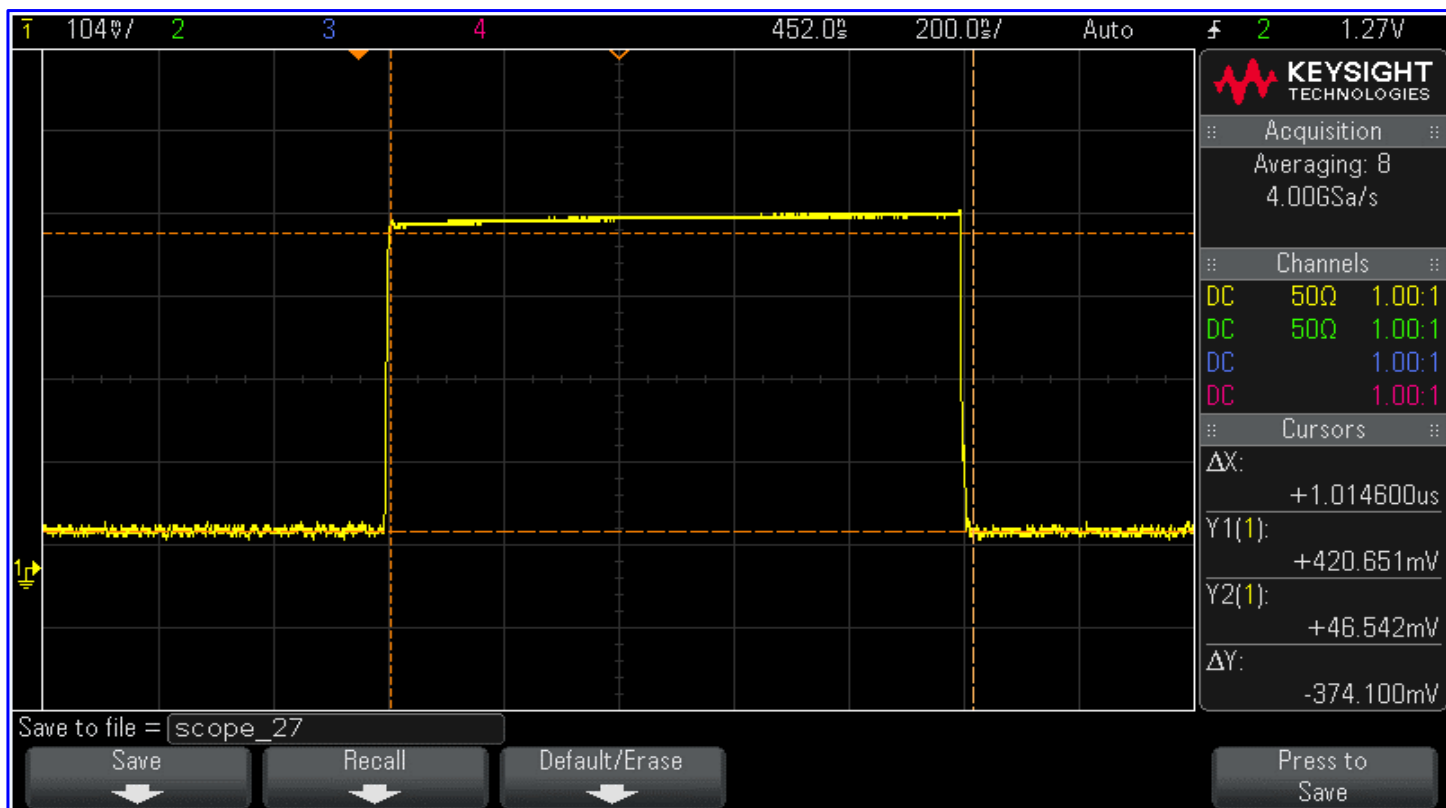


Recovery Time +44dBm (25 Watt) @ 2GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. - Measured Value (18.80ns)



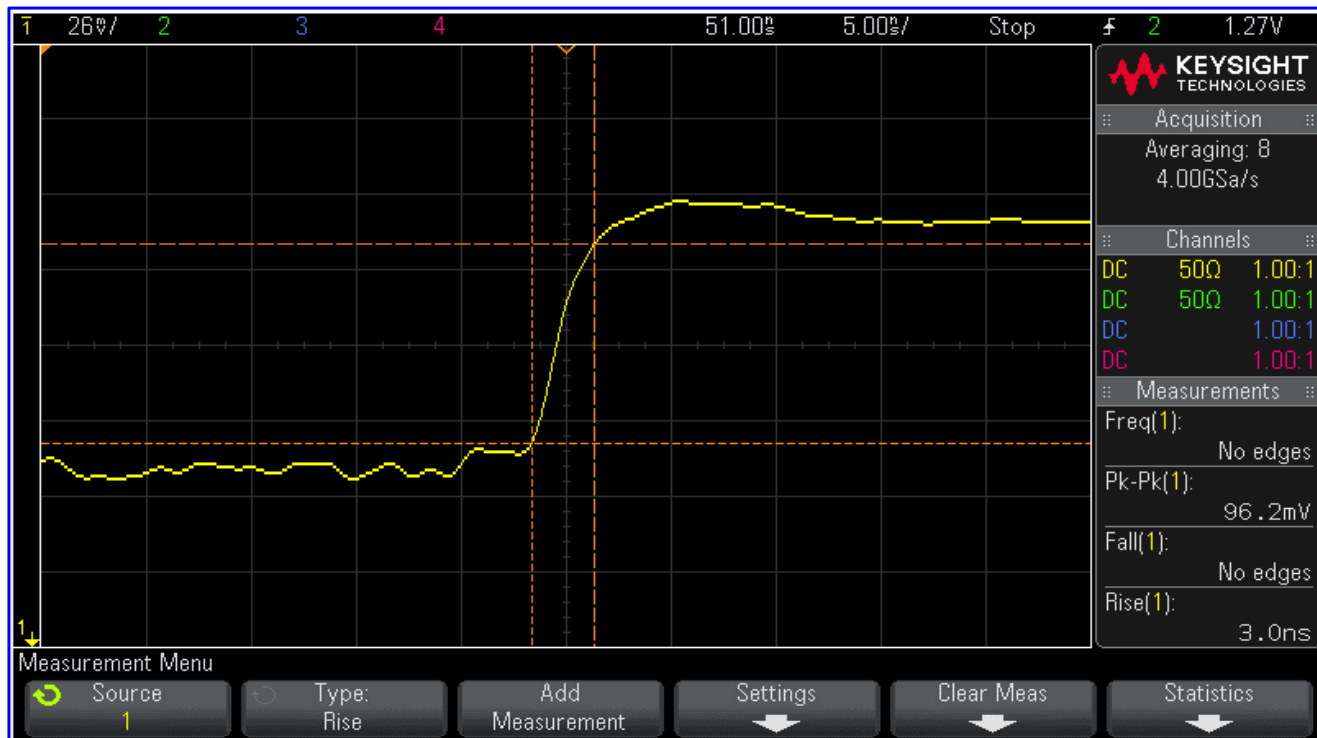
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power +44dBm (25 Watt) @ 2GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

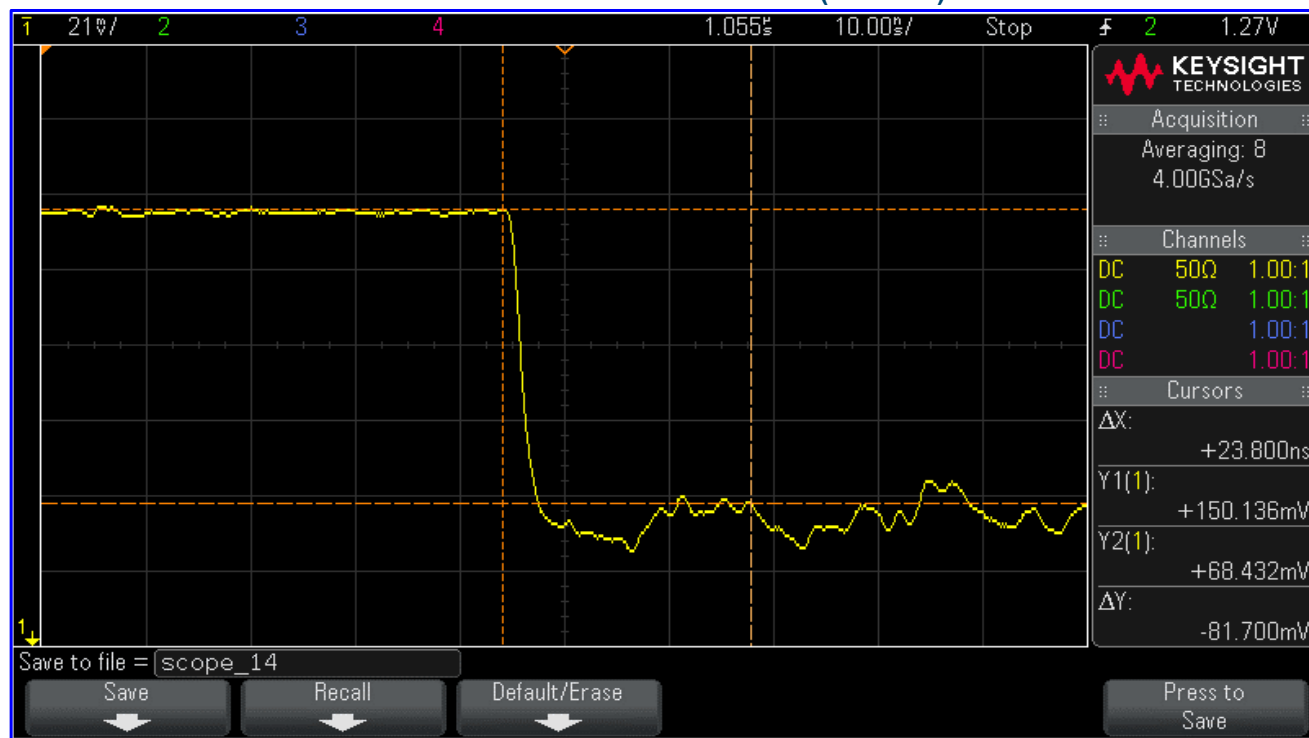


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +20dBm (0.1 Watt) @ 5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
5ns Per Div. Measured Value (3.0ns)

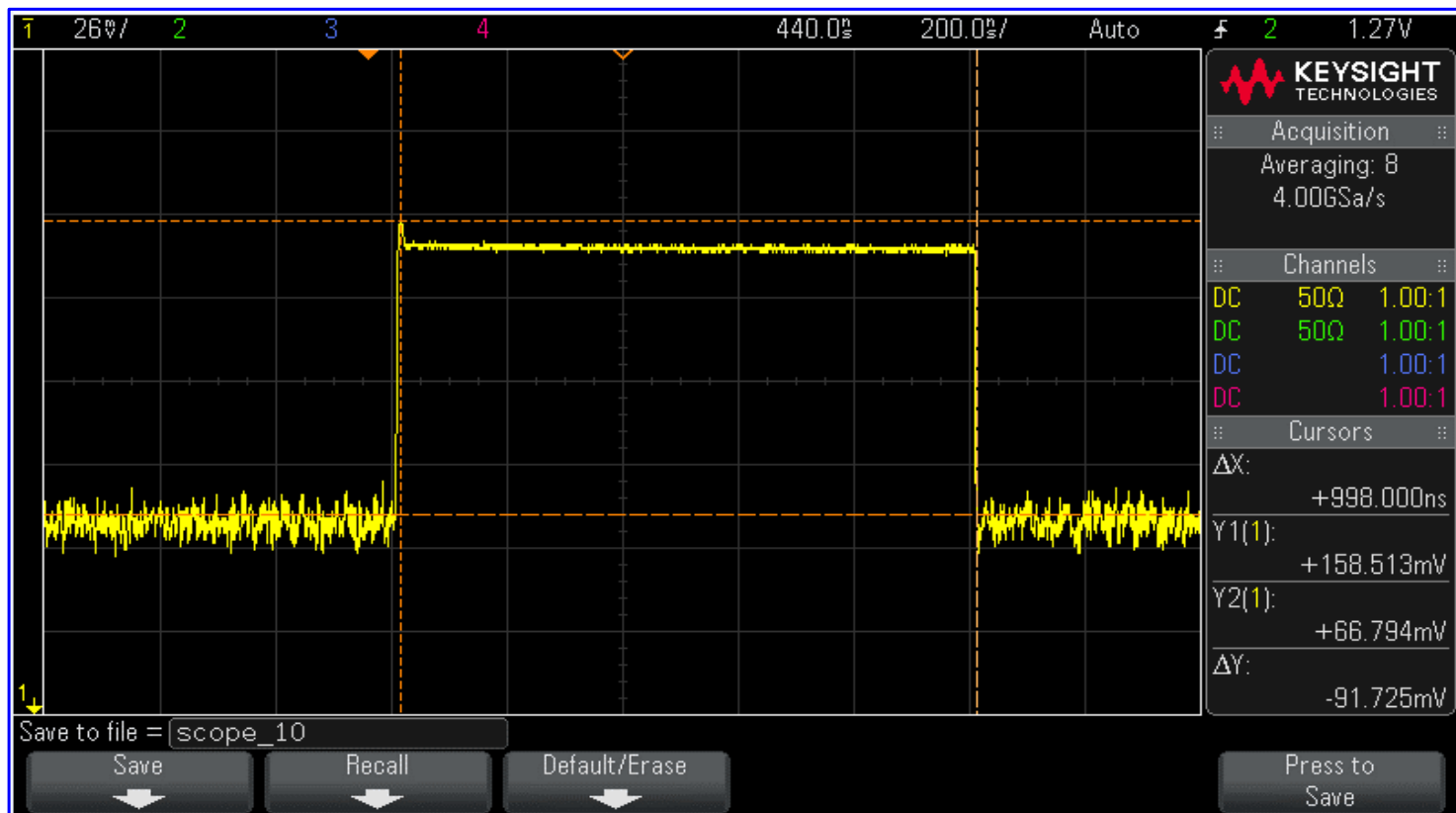


Recovery Time +20dBm (0.1 Watt) @ 5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. - Measured Value (23.80ns)



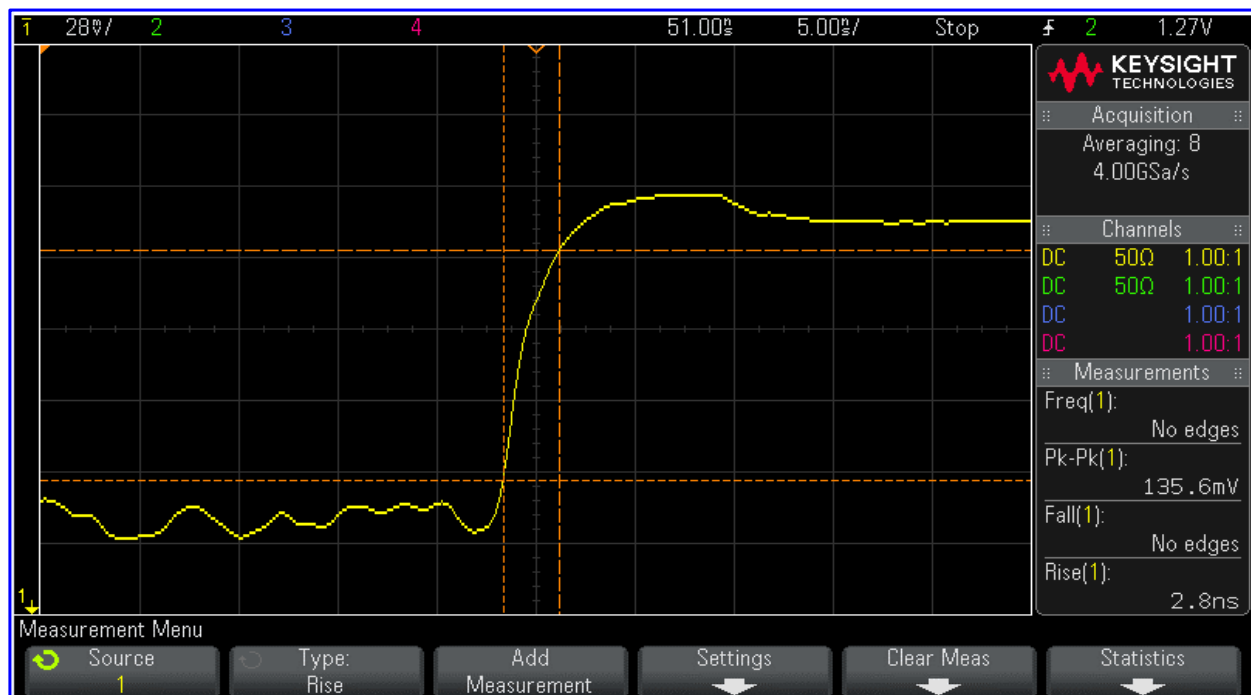
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power +20dBm (0.1 Watt) @ 5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

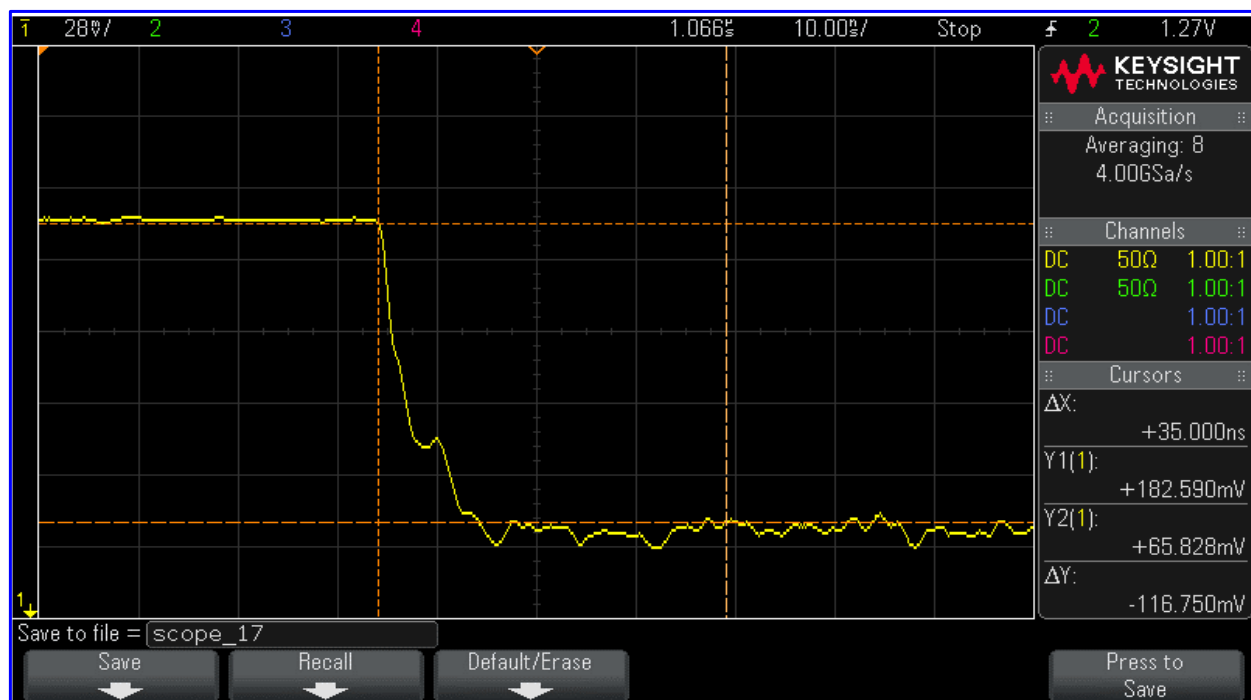


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +30dBm (1 Watt) @ 5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
5ns Per Div. Measured Value (2.8ns)

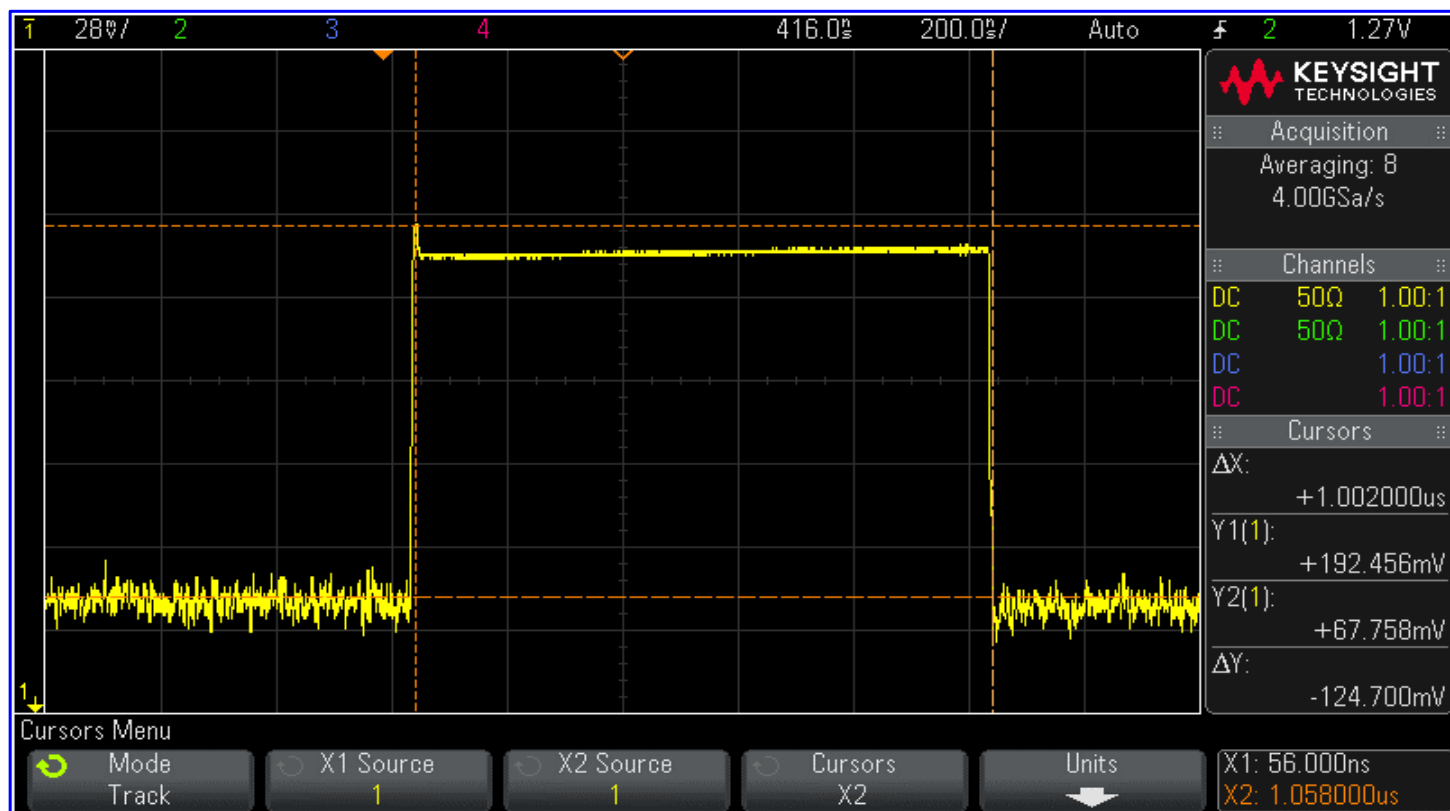


Recovery Time +30dBm (1 Watt) @ 5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. - Measured Value (35.0ns)



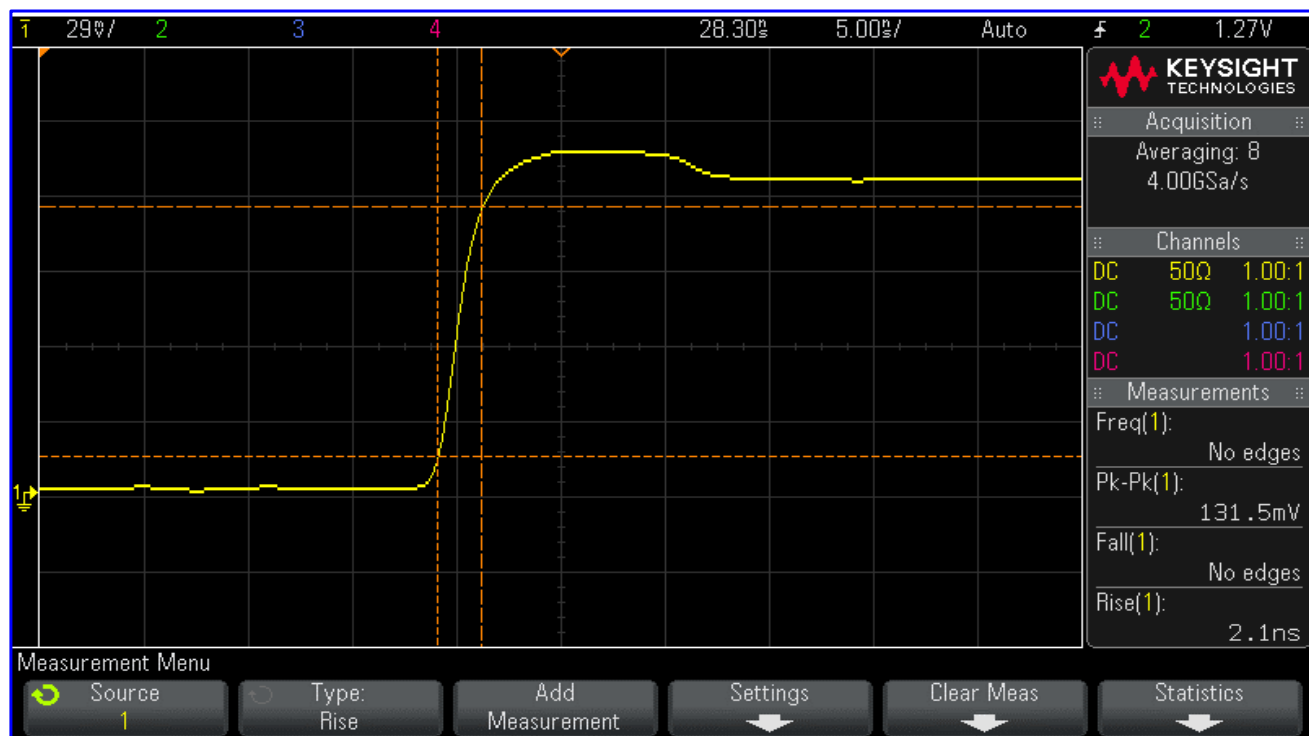
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power +30dBm (1 Watt) @ 5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

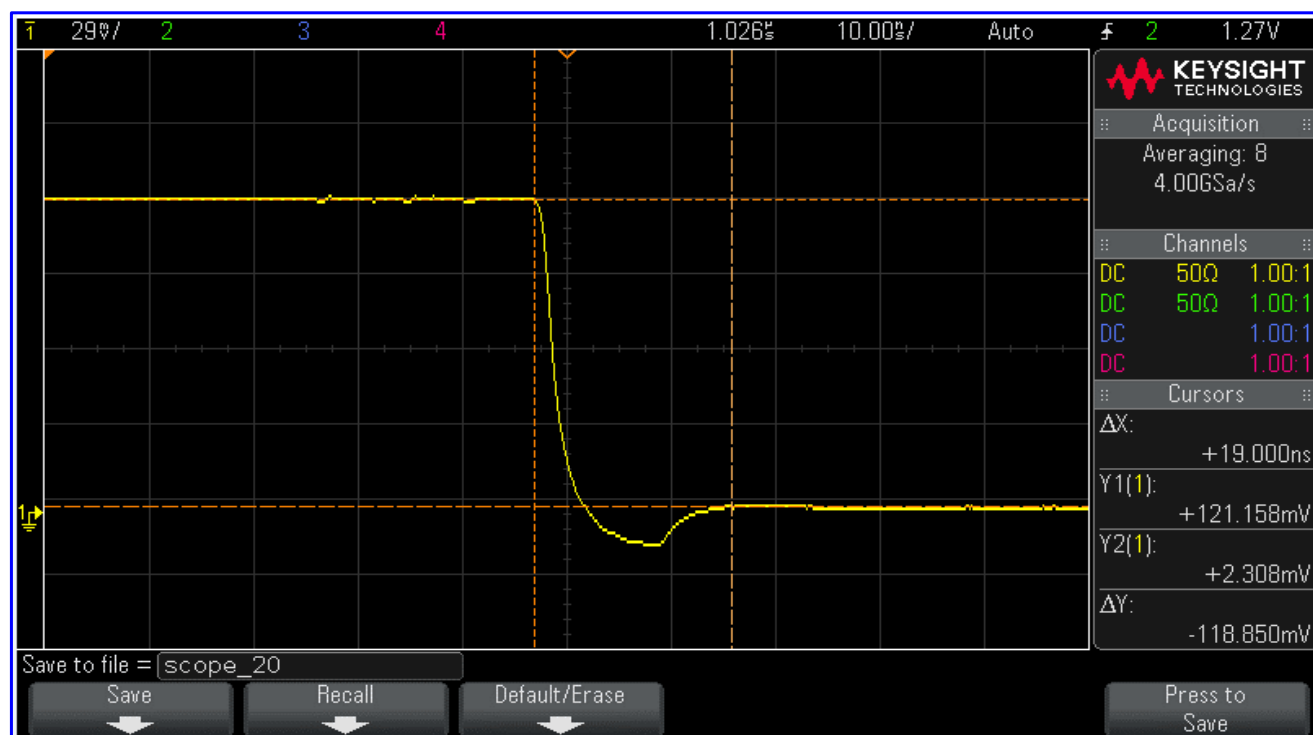


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +44dBm (25 Watt) @ 5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
5ns Per Div. Measured Value (2.1ns)

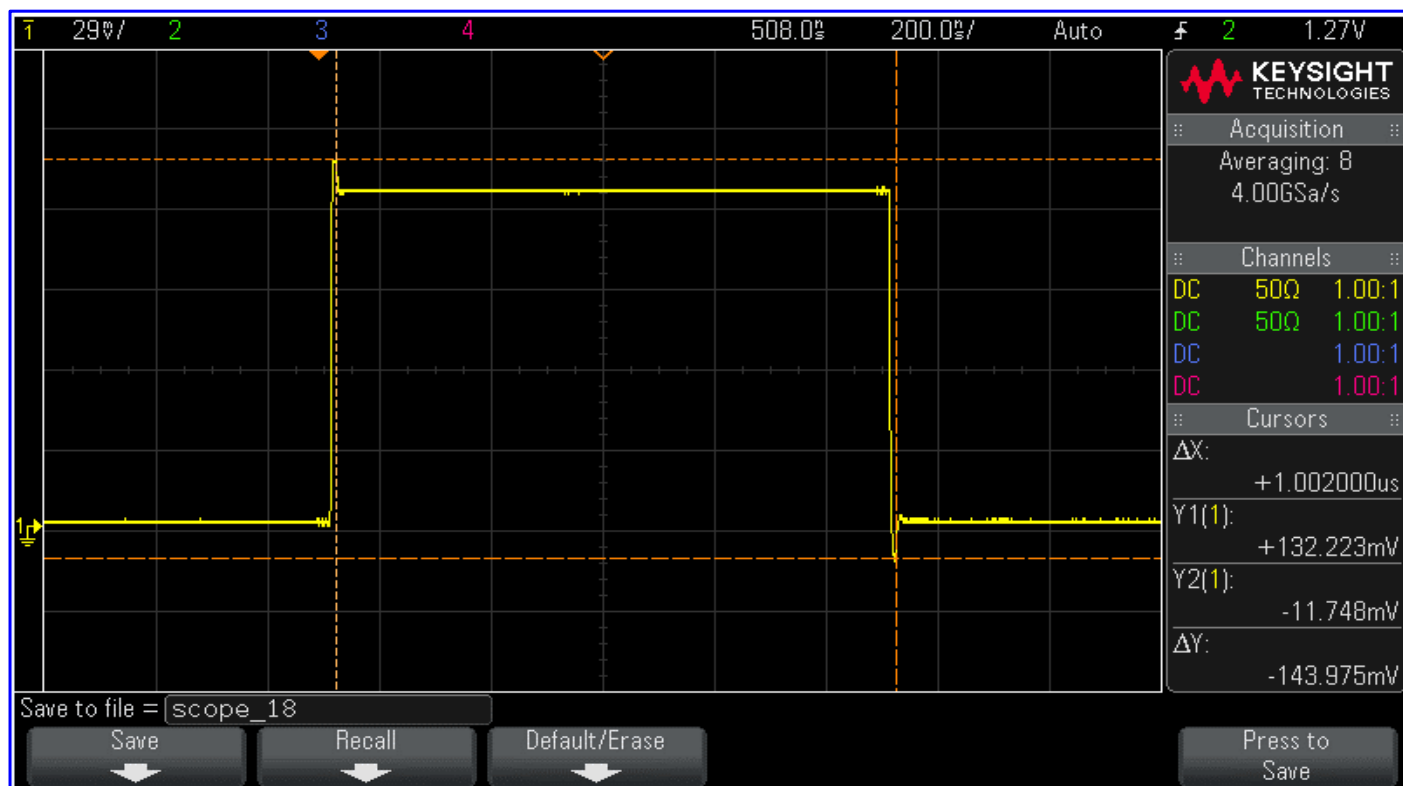


Recovery Time +44dBm (25 Watt) @ 5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. - Measured Value (19.00ns)



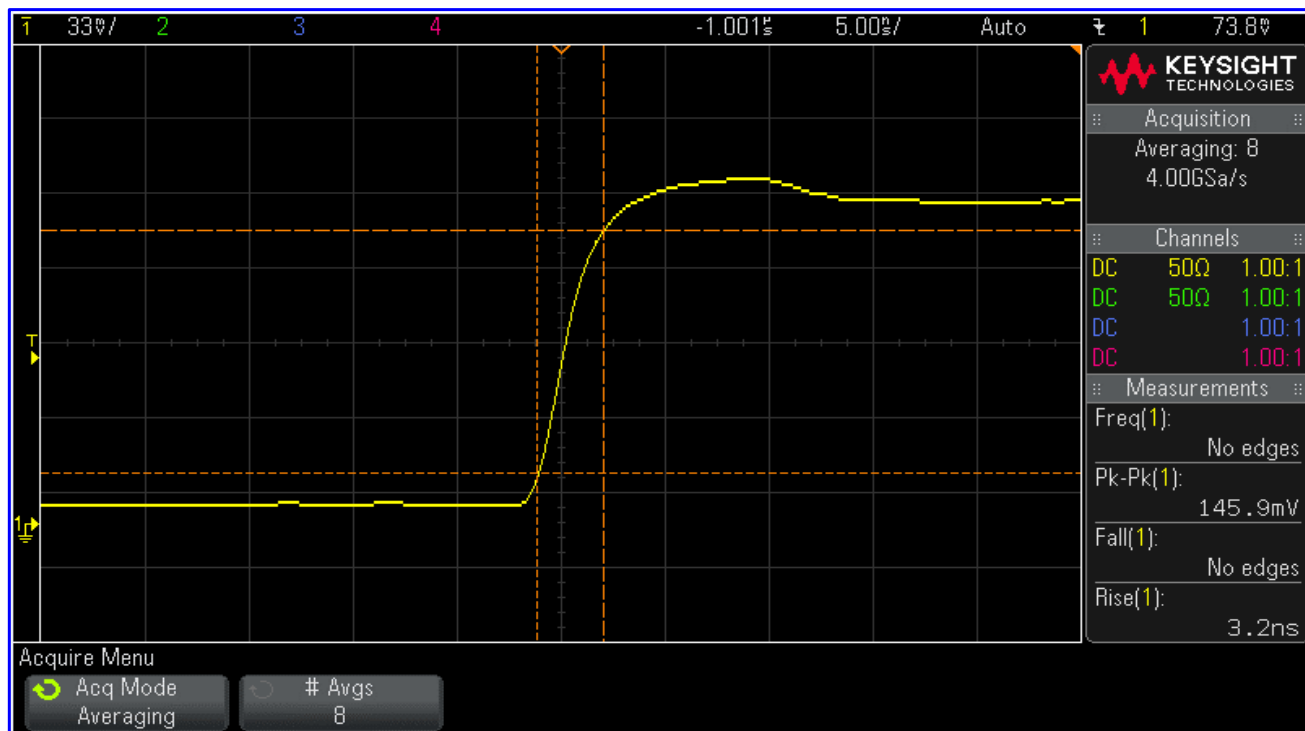
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power +44dBm (25 Watt) @ 5GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

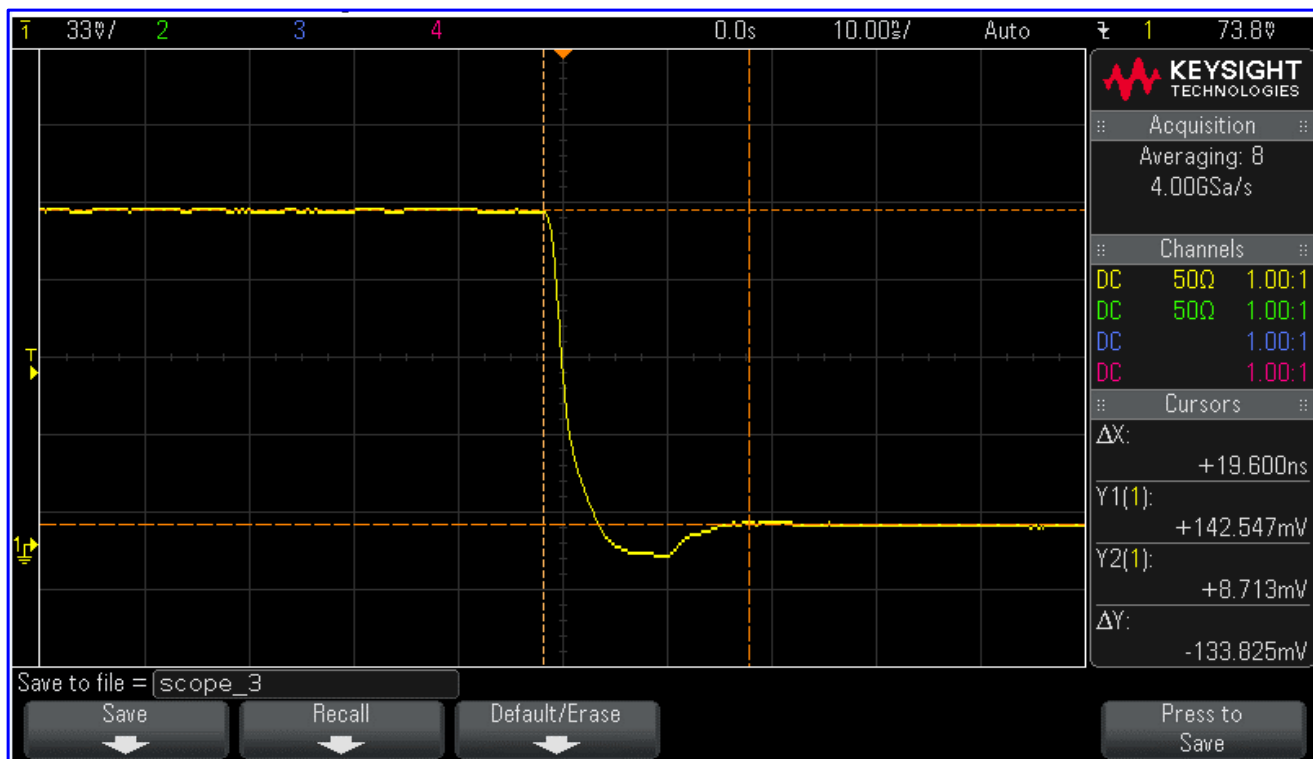


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +20dBm (0.1 Watt) @ 8GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
5ns Per Div. Measured Value (3.2ns)

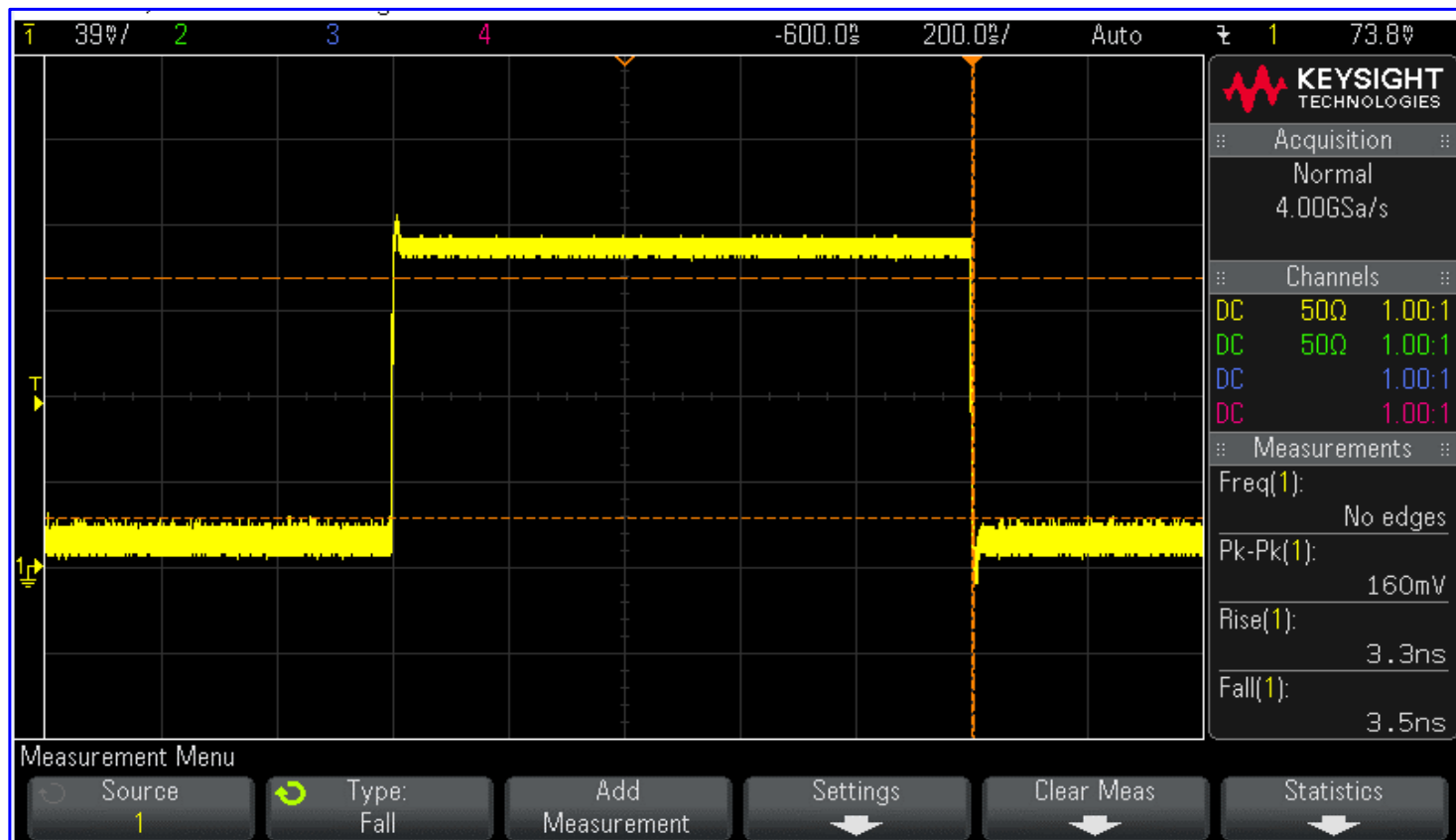


Recovery Time +20dBm (0.1 Watt) @ 8GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. - Measured Value (19.00ns)



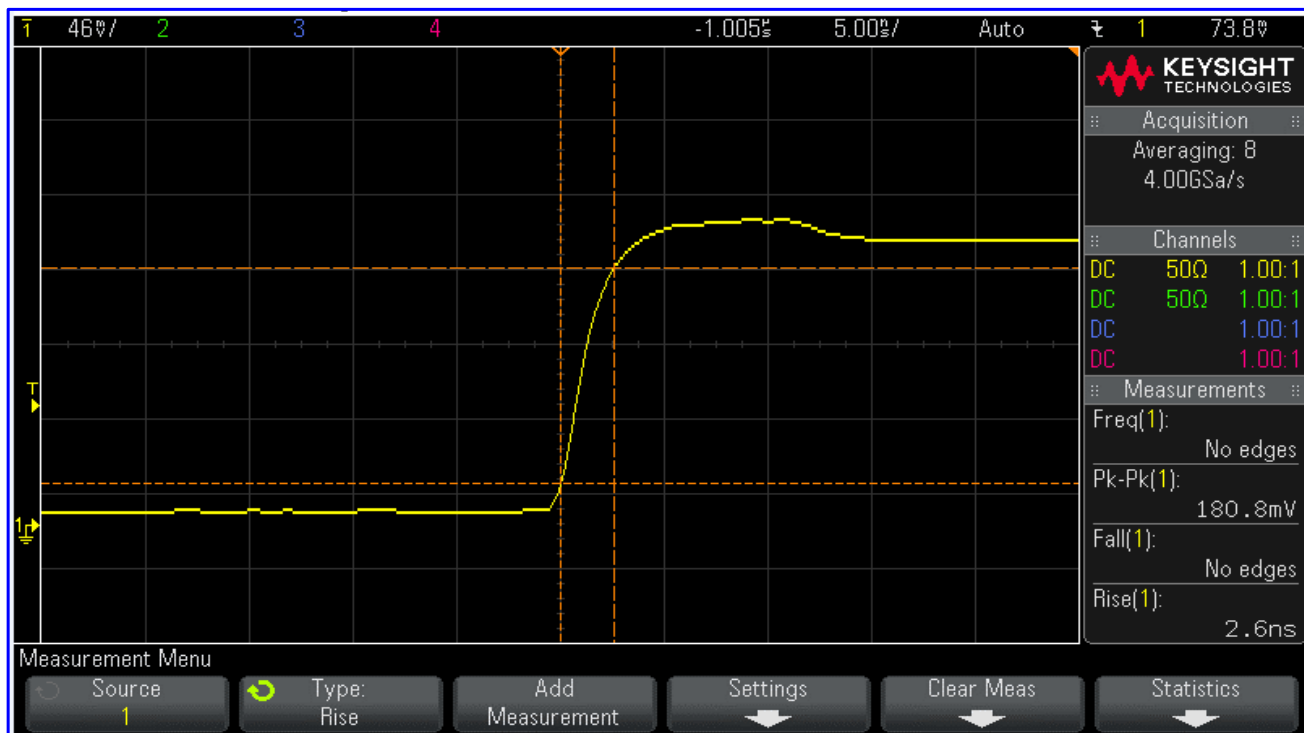
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power +20dBm (0.1 Watt) @ 8GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

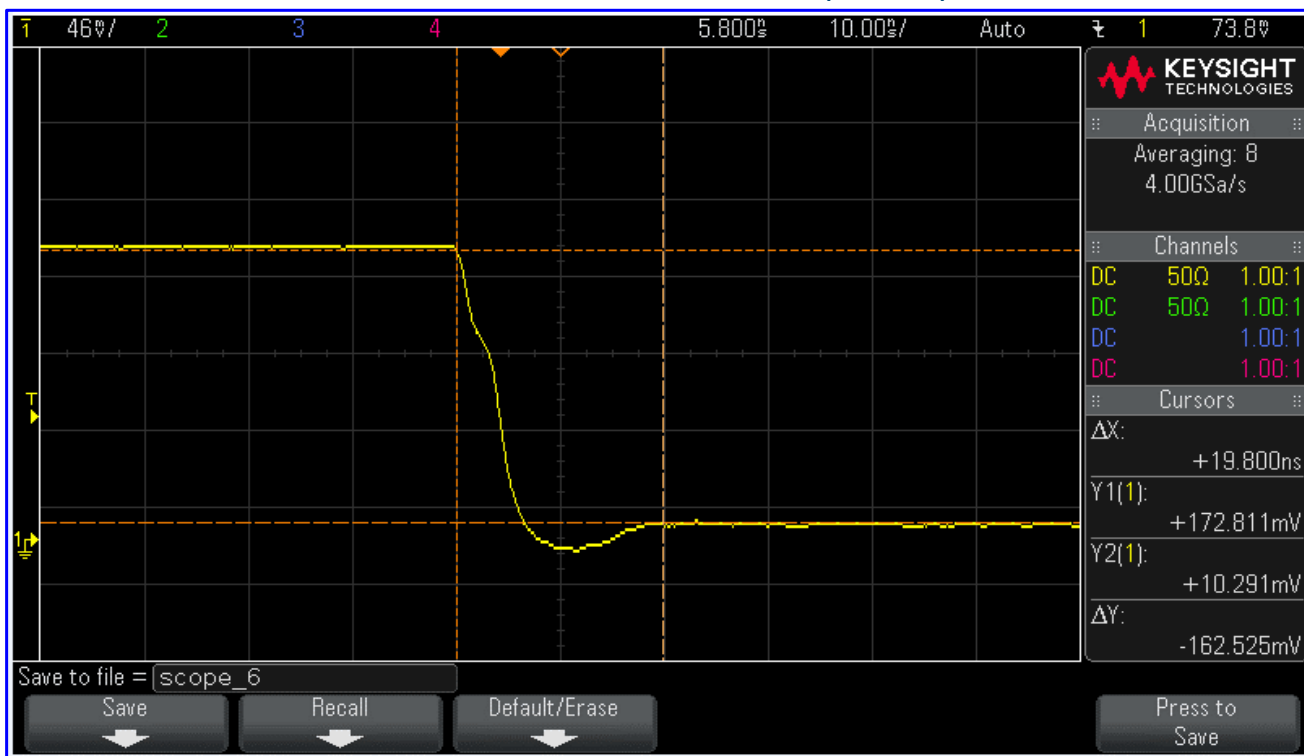


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +30dBm (1 Watt) @ 8GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
5ns Per Div. Measured Value (2.6ns)

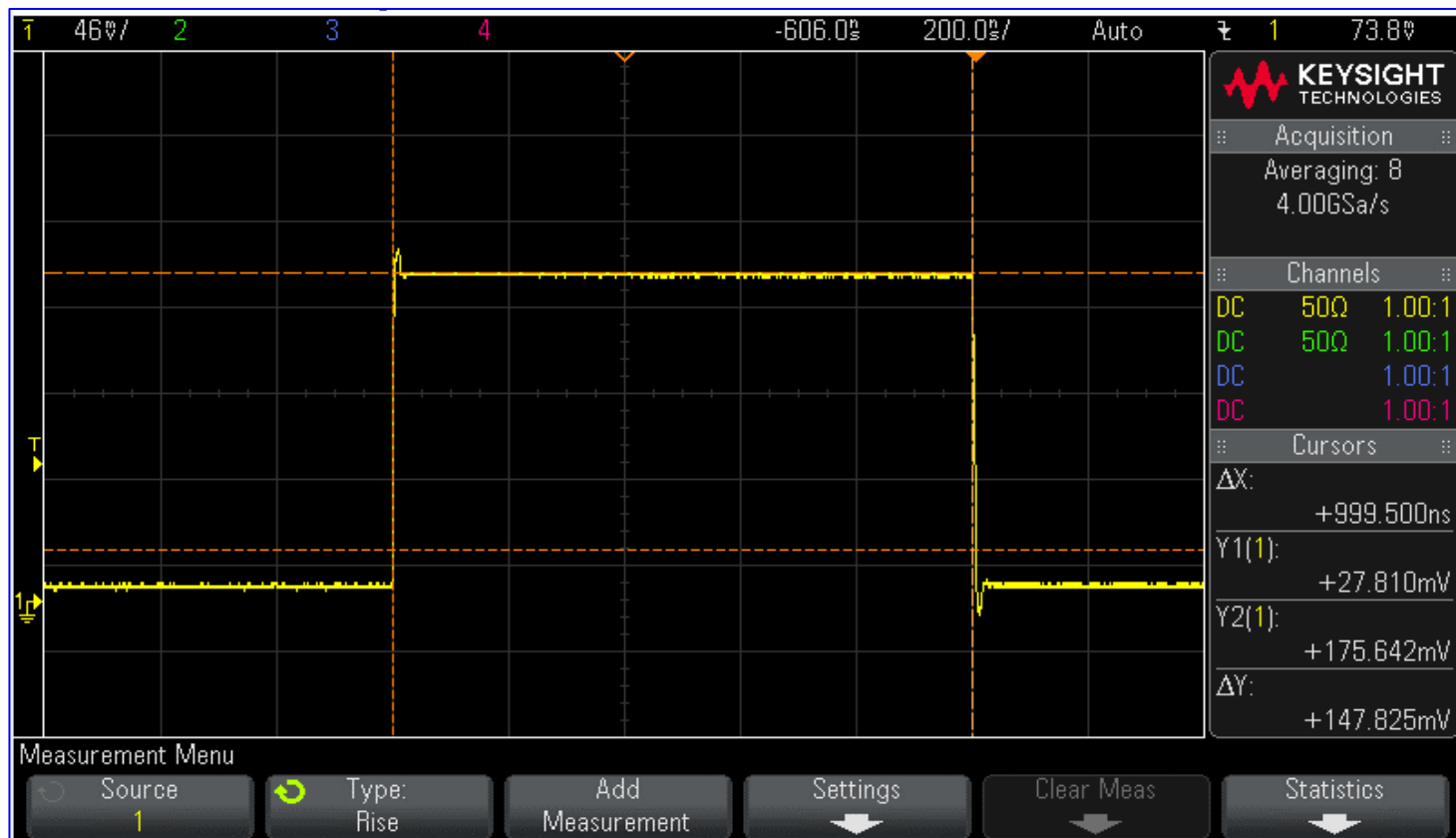


Recovery Time (+30dBm 1 Watt) @ 8GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. - Measured Value (19.80ns)



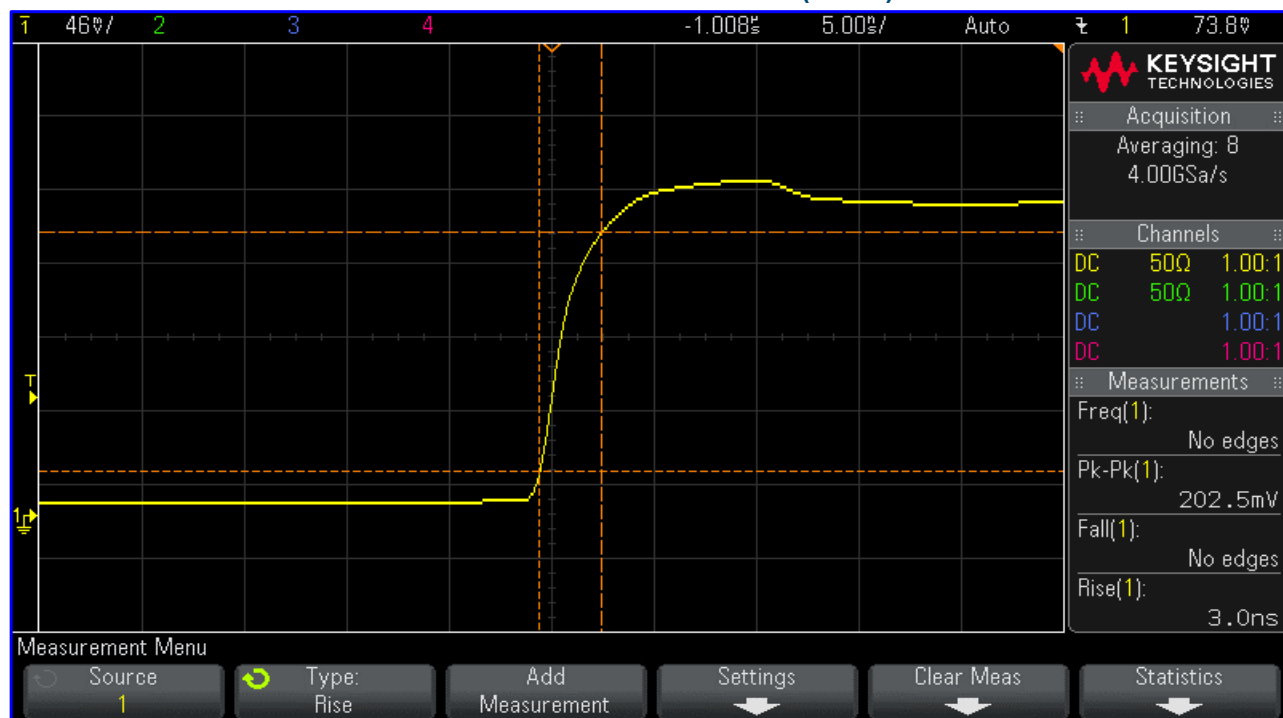
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power (+30dBm 1 Watt) @ 8GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

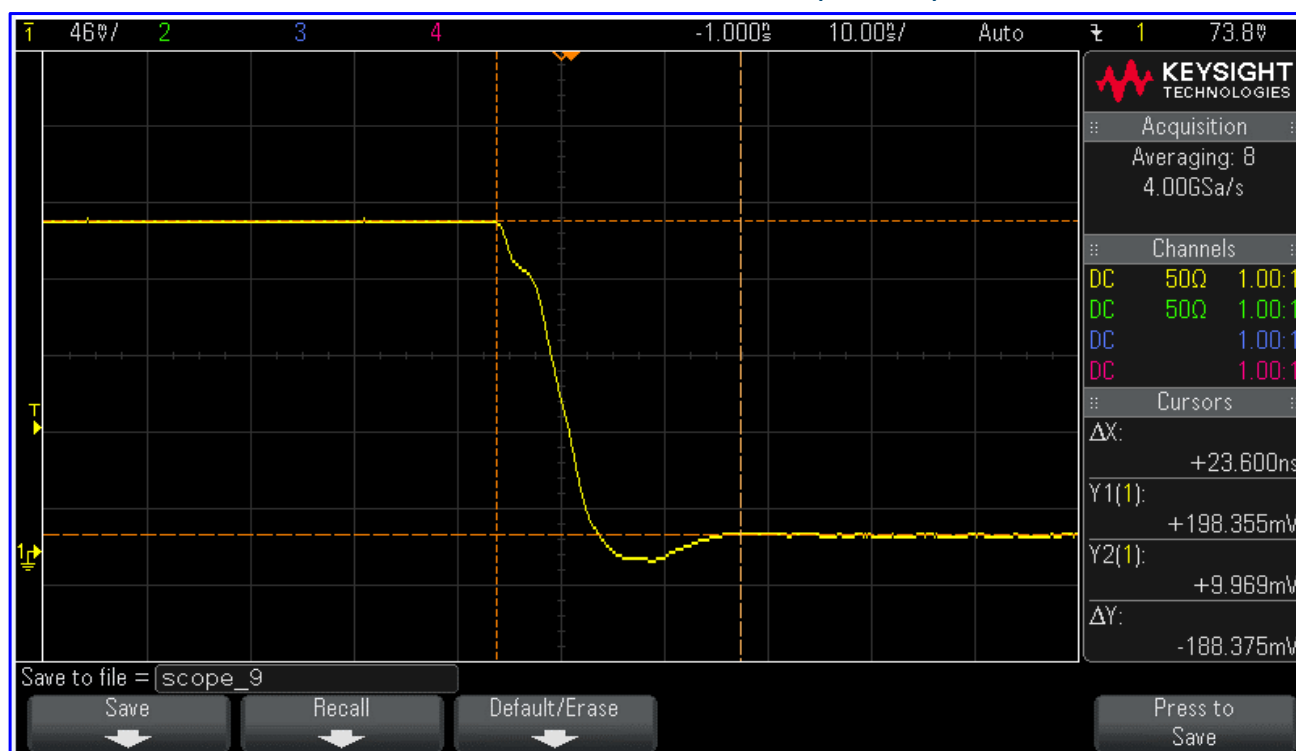


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +44dBm (25 Watt) @ 8GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
5ns Per Div. Measured Value (3.0ns)

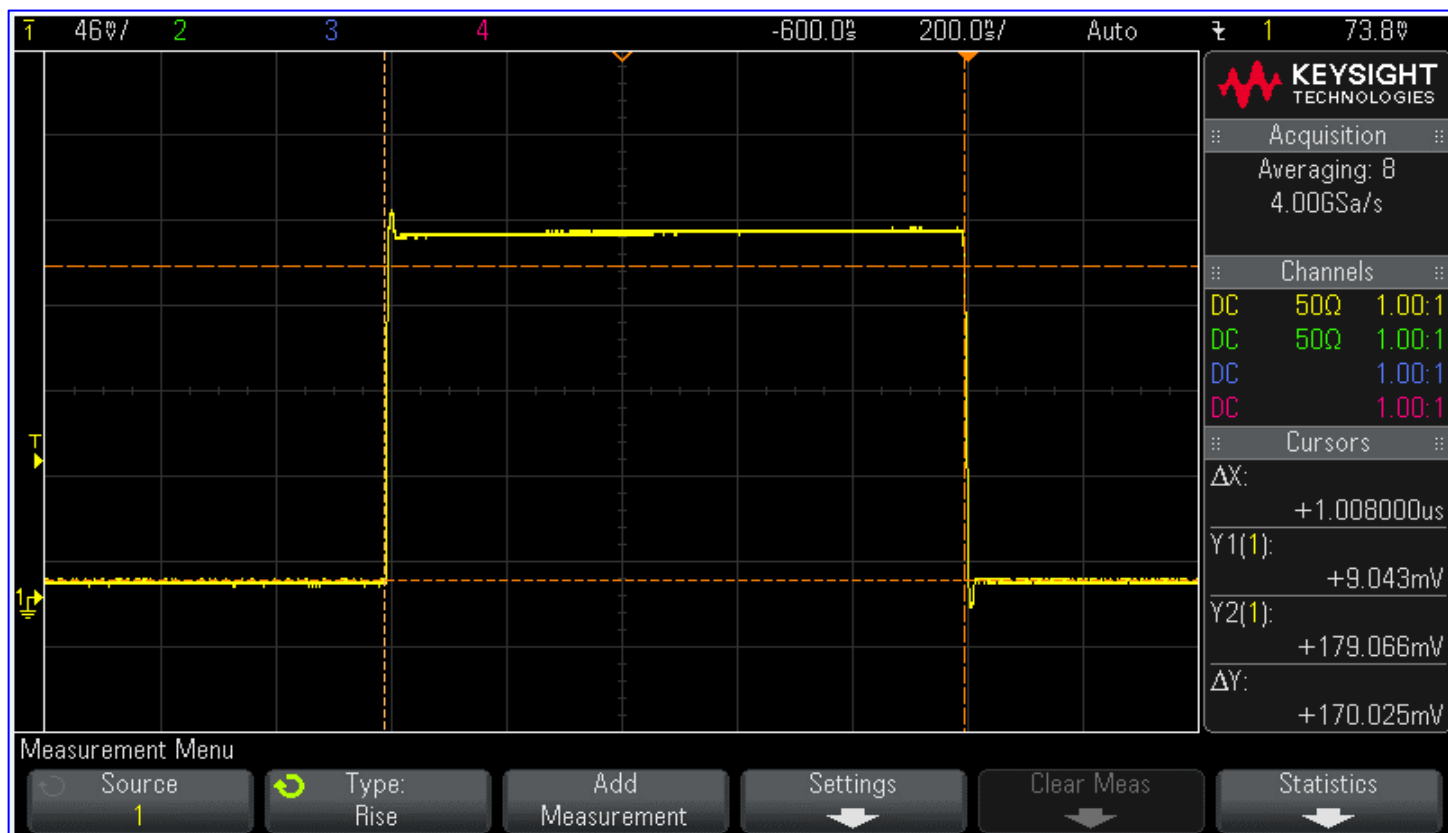


Recovery Time +44dBm 25 Watt) @ 8GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. - Measured Value (26.60ns)



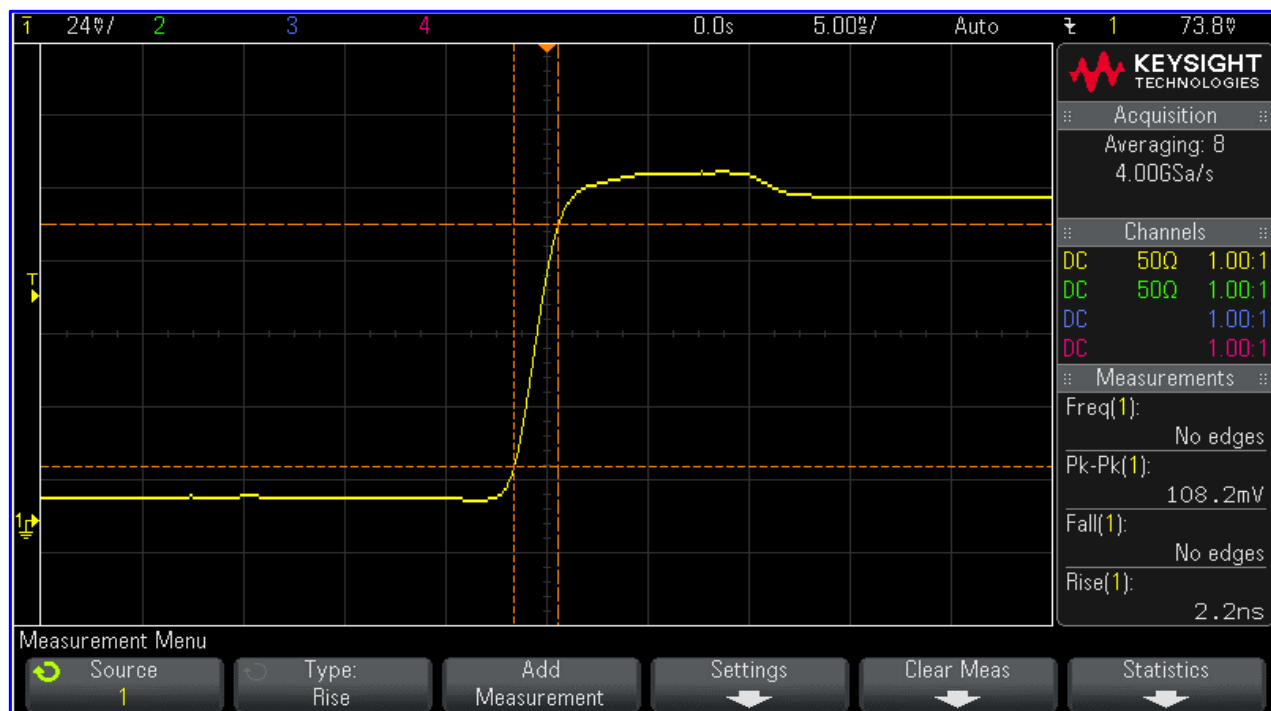
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power (+44dBm 25 Watt) @ 8GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

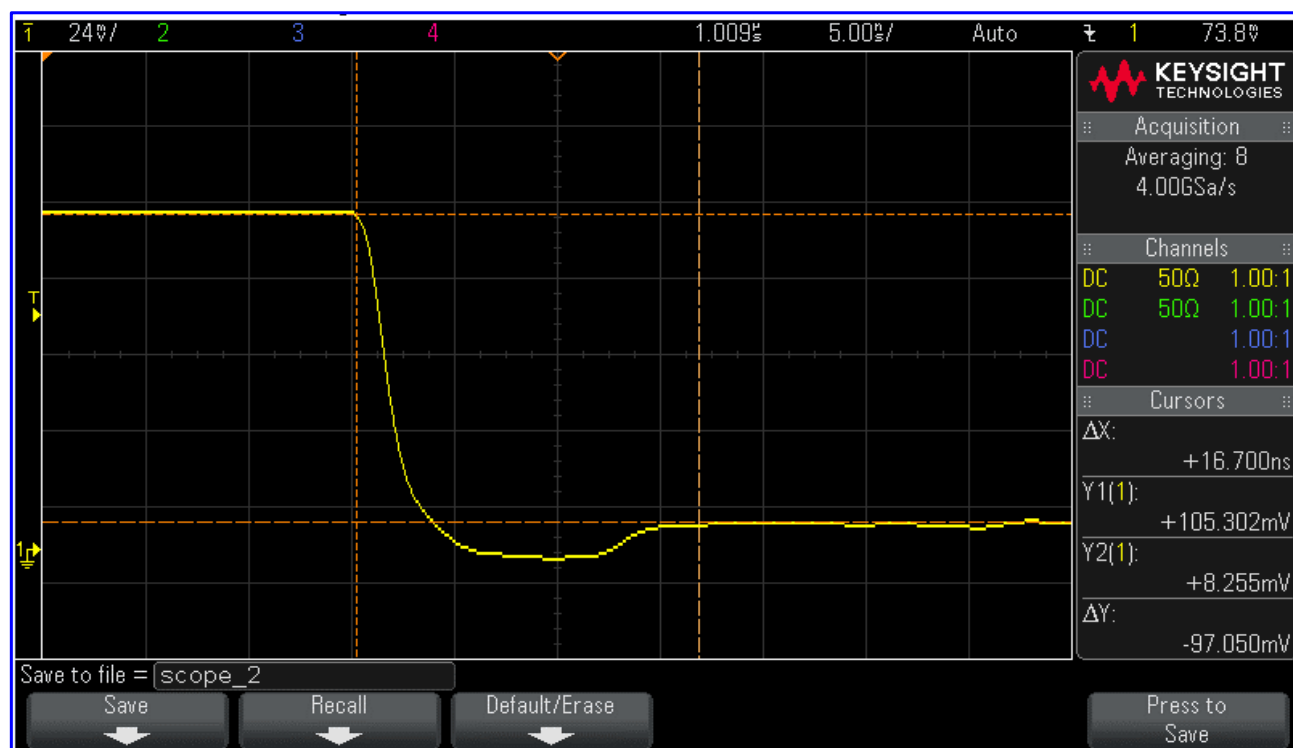


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +20dBm (0.1 Watt) @ 18GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
5ns Per Div. Measured Value (2.20ns)

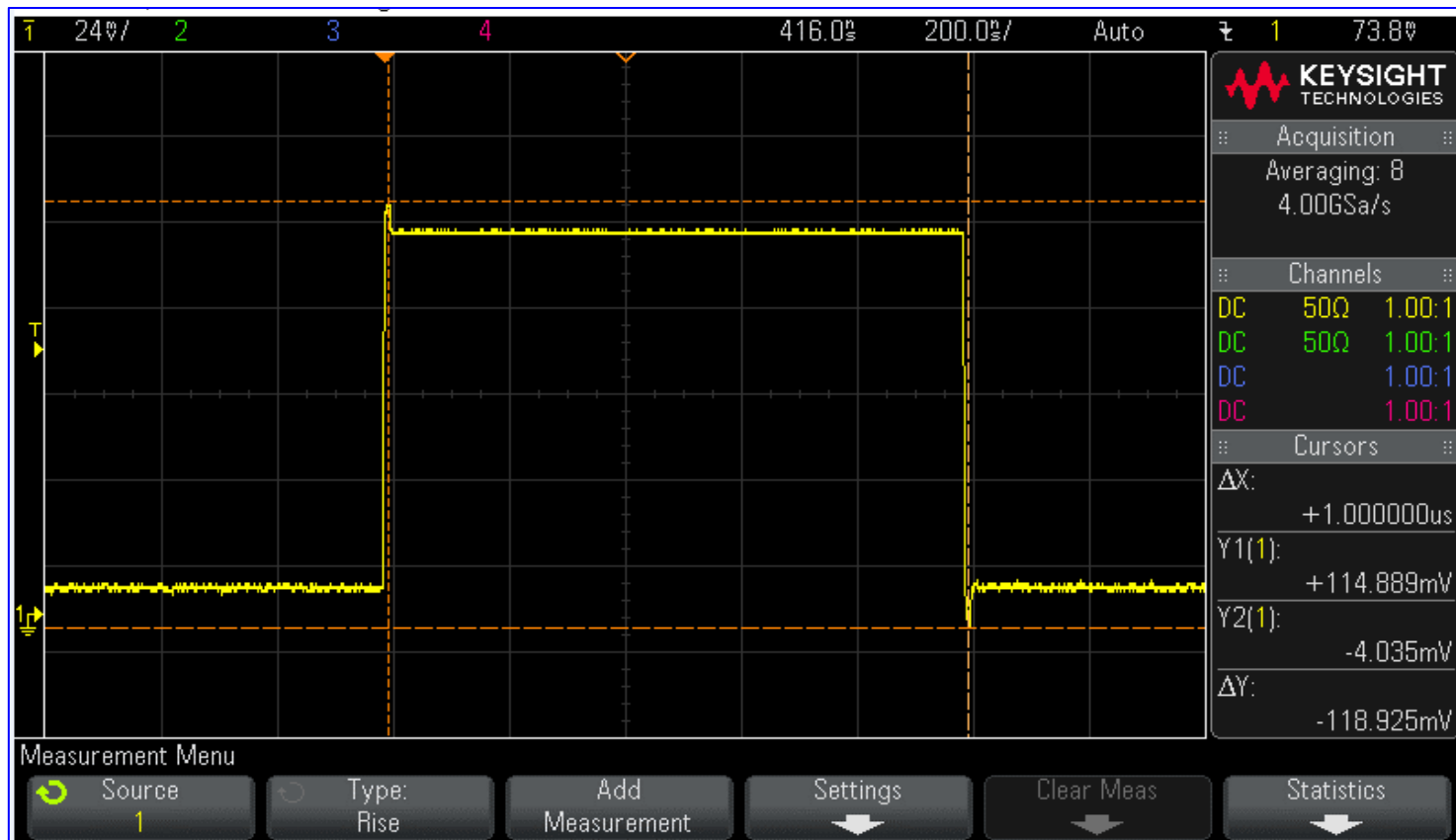


Recovery Time +20dBm (0.1 Watt) @ 18GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
5ns Per Div. - Measured Value (16.70ns)



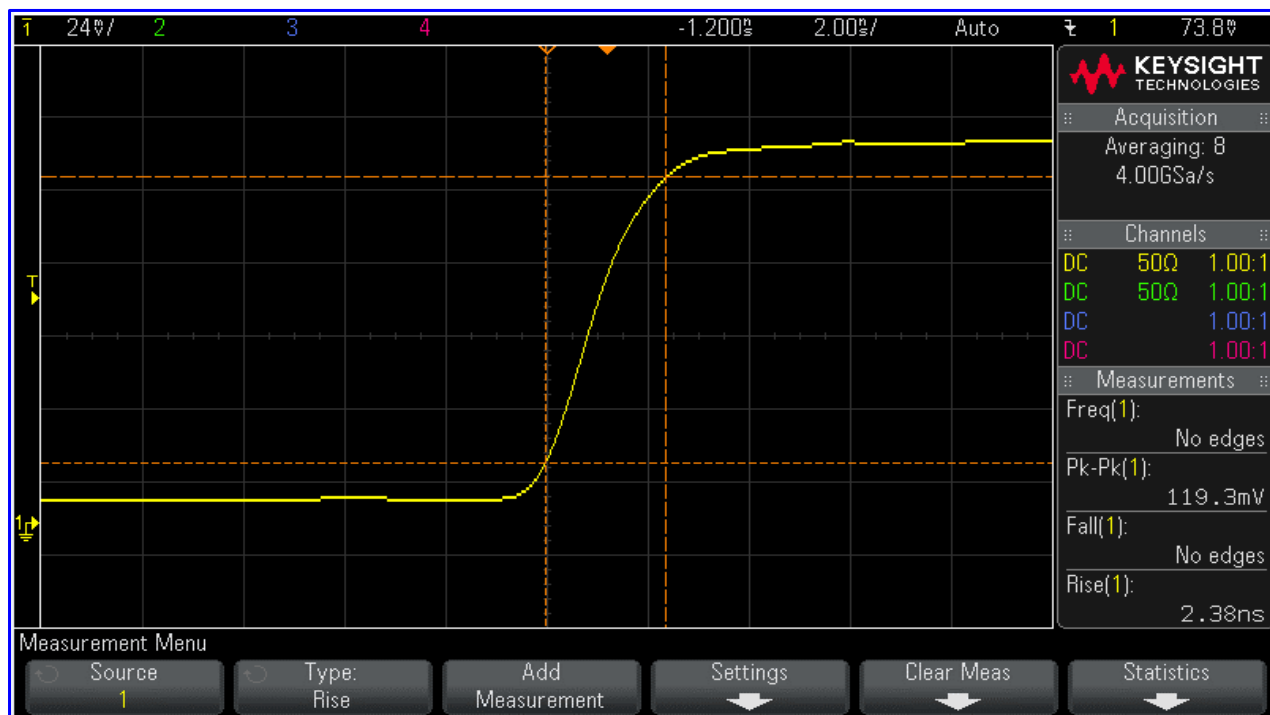
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power +20dBm (0.1 Watt) @ 18GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

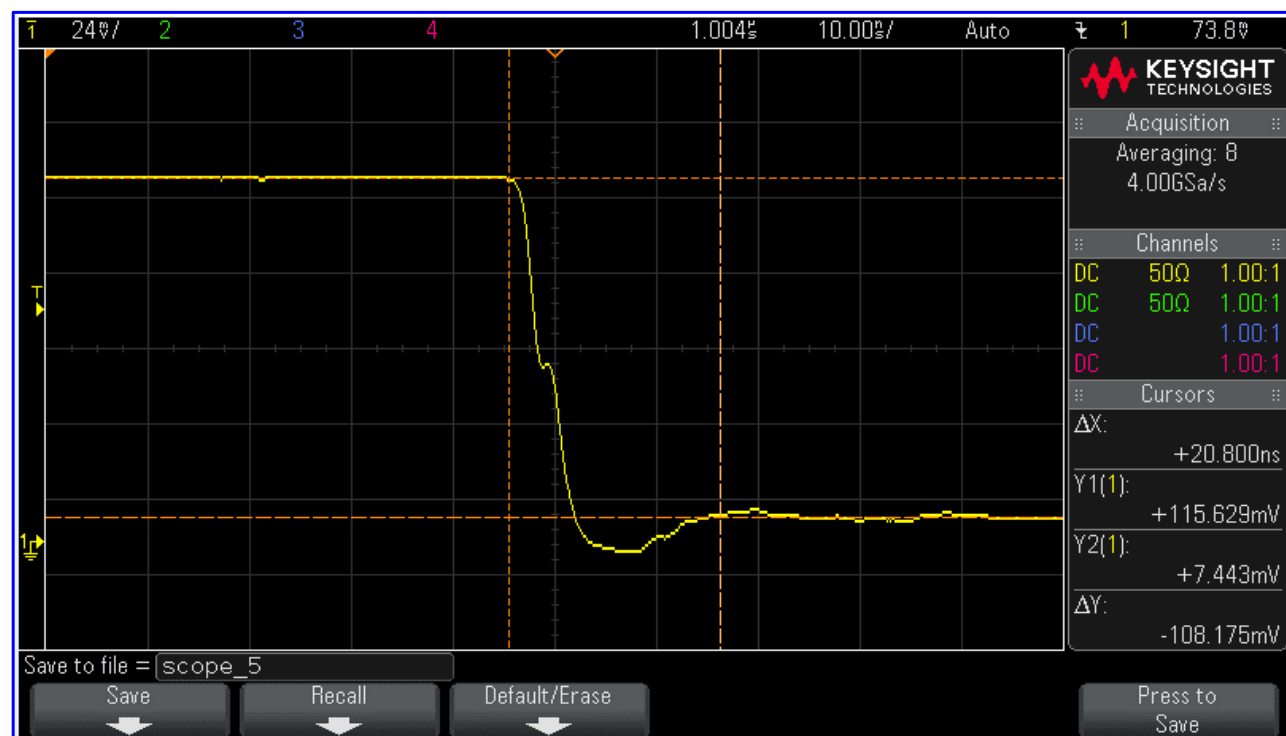


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +30dBm (1 Watt) @ 18GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
2ns Per Div. Measured Value (2.38ns)

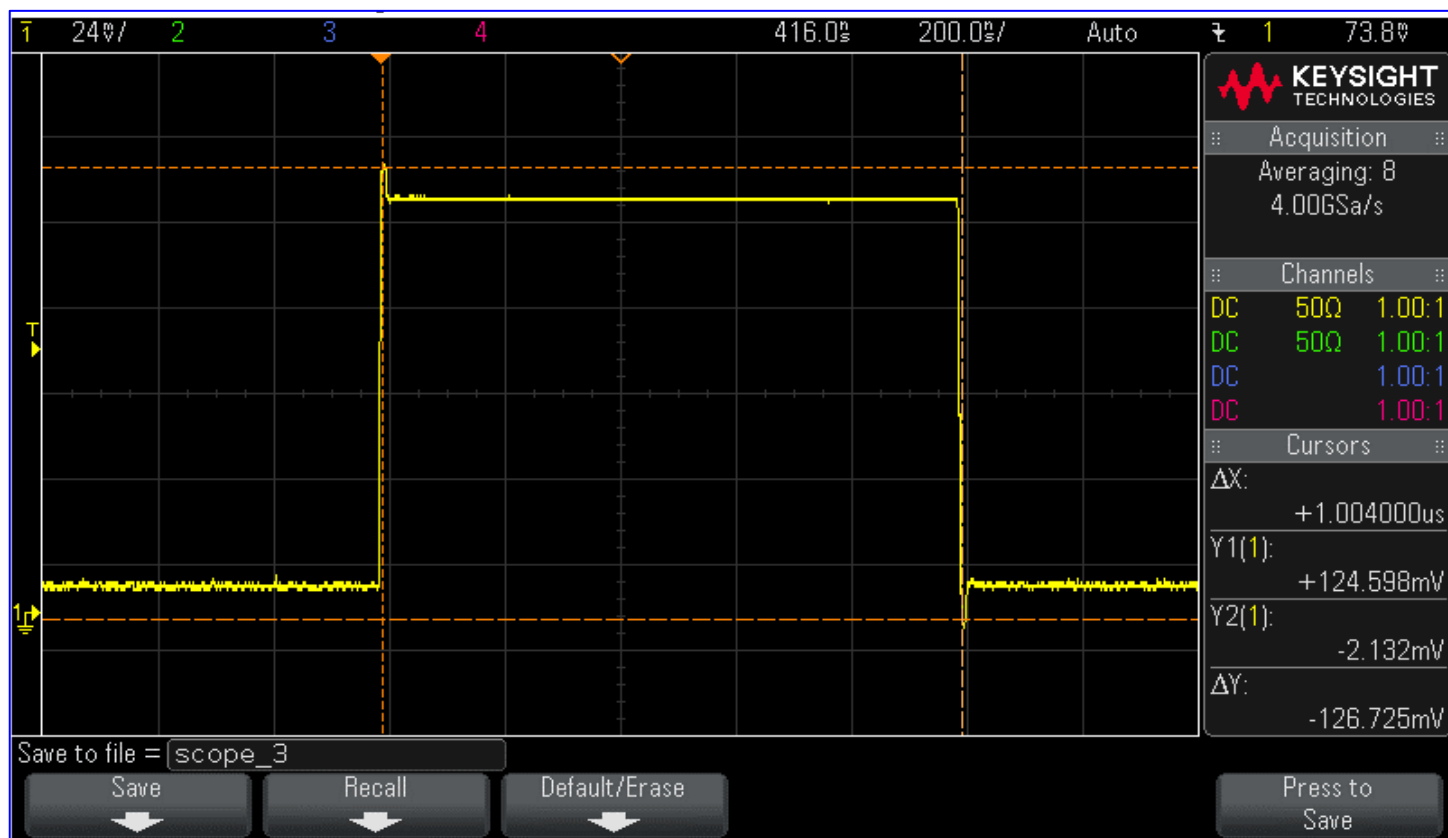


Recovery Time (+30dBm 1 Watt) @ 18GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. - Measured Value (20.80ns)



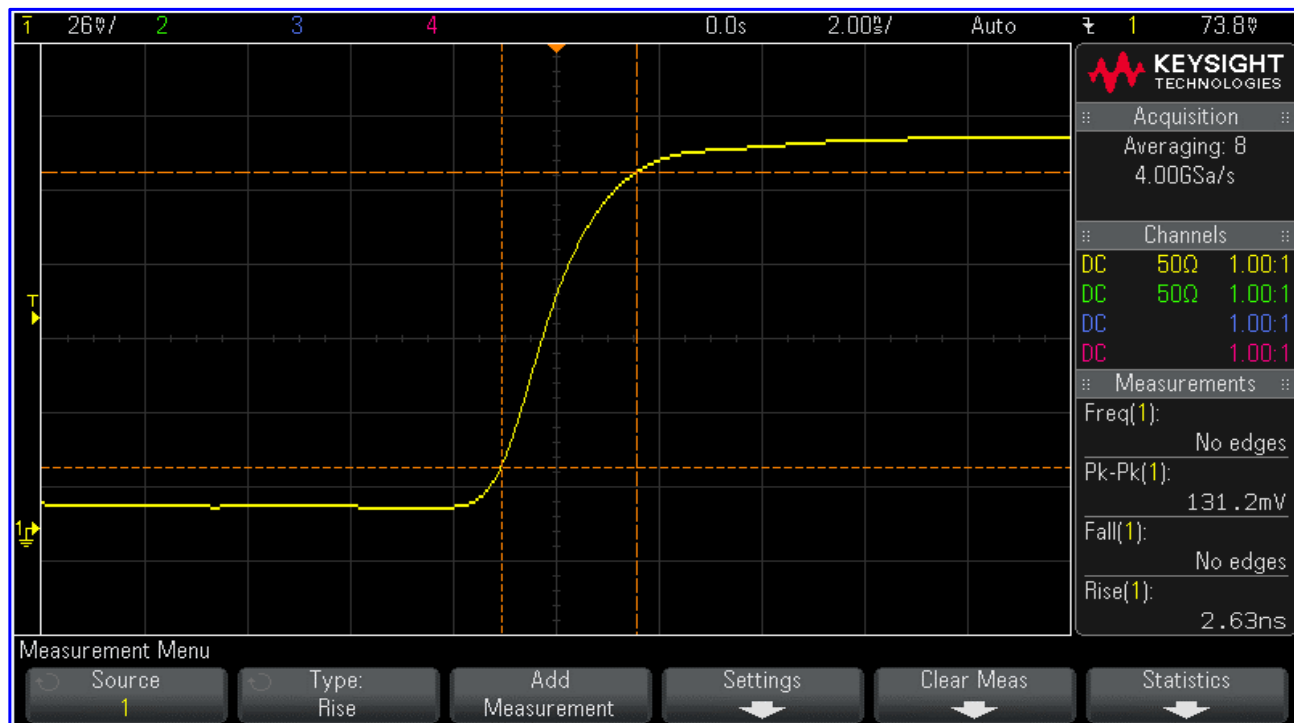
Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power (+30dBm 1 Watt) @ 18GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

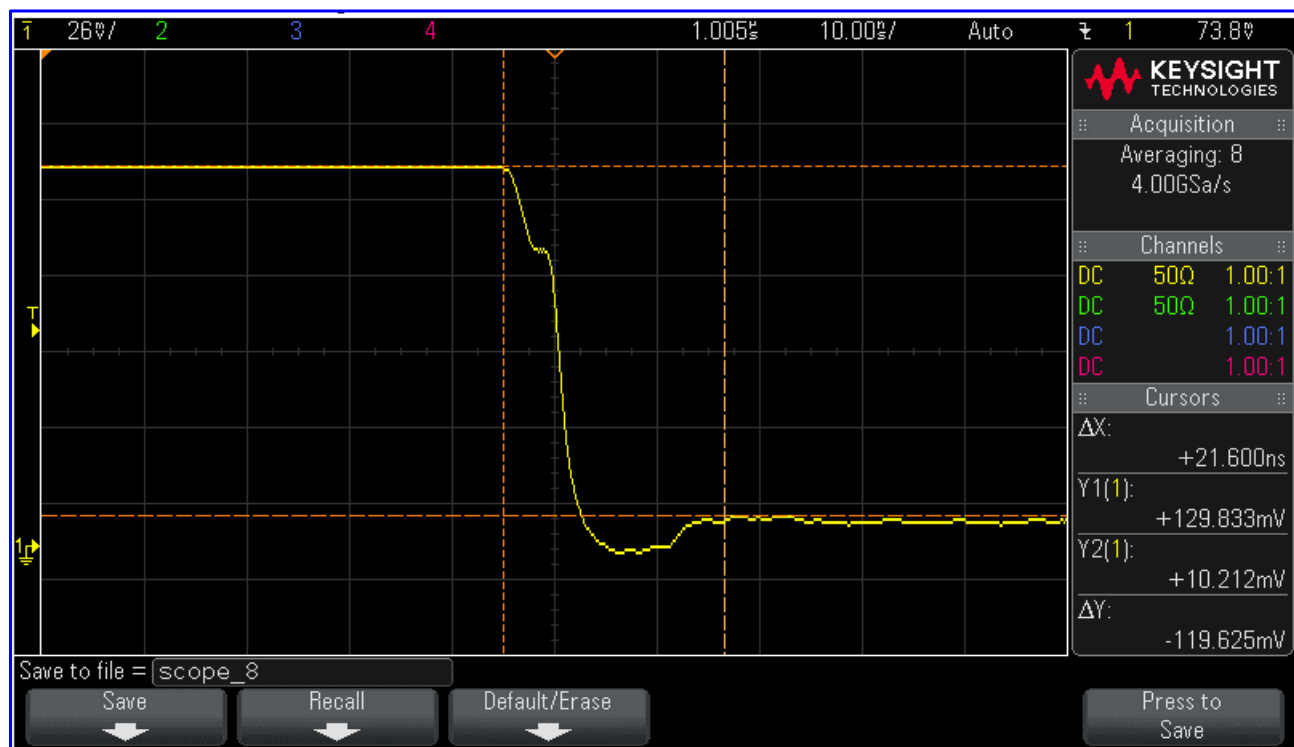


Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Rise Time +43dBm (20 Watt) @ 18GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
2ns Per Div. Measured Value (2.63ns)



Recovery Time +43dBm 20 Watt) @ 18GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
10ns Per Div. - Measured Value (21.60ns)



Typical Characteristics ON LM-10M50G-18DBM-4W-24FF

Full Pulse Peak Power (+43dBm 20 Watt) @ 18GHz
Pulse (Pw 1 μ s, Duty Cycle 1%, Pulse Rate 10KHz)
200ns Per Div.

