

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

PMI MODEL: LM-150M5G-200CW-2KWPK-AGAL-NFF IS A ULTRA HIGH POWER LIMITER OPERATING IN THE FREQUENCY RANGE 150 MHz TO 5 GHz, WITH 200W OF CW POWER HANDLING (+53 dBm), AND PEAK POWER 2KW TYPICALLY (+63 dBm), 25 μ s PW, 5% DUTY CYCLE. THIS COMPACT HOUSING IS FITTED WITH N-TYPE FEMALE CONNECTORS.



July 15, 2021

Designed By: Dr. Ashok

**Tested and Reported By:
Alfredo Lopez**

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

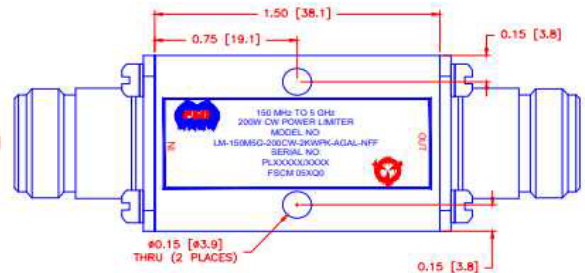
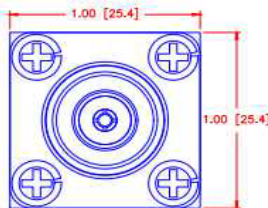
Technical Sheet

DESCRIPTION

PMI MODEL: LM-150M5G-200CW-2KWPK-AGAL-NFF IS A ULTRA HIGH POWER LIMITER OPERATING IN THE FREQUENCY RANGE 150 MHz TO 5 GHz, WITH 200W OF CW POWER HANDLING (+53 dBm), AND PEAK POWER 2KW TYPICALLY (+63 dBm), 25μs PW, 5% DUTY CYCLE. THIS COMPACT HOUSING IS FITTED WITH N-TYPE FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 150 MHz to 5 GHz
- POWER HANDLING: 200 Watts CW (+53 dBm) Typ. * Note 1
2kW Peak Power (+63 dBm) Typ. * Note 2
(25 μs PW, 5% Duty Cycle)
- INSERTION LOSS: 2.00 dB Max. (150MHz to 300 MHz)
1.50 dB Max. (300MHz to 5 GHz)
- VSWR (IN/OUT): 1.70:1 Max.
- FLAT LEAKAGE POWER: +20 dBm Typ.
- P1dB: +6 dBm Min.
- RECOVERY TIME: 100 ns Max.
- CONNECTORS: N-TYPE FEMALE
- PACKAGE SIZE: 1.50" x 1.00" x 1.00"
- PACKAGE FINISH: BLUE PAINT



* NOTE 1: Tested up to 100 Watts CW from 150 MHz to 5 GHz, (Theoretically it can handle 200 Watts CW Typically From 150MHz to 5GHz)

* NOTE 2: Tested Pulse Peak Power From 150 MHz to 5 GHz, (Theoretically it can handle 2kW Peak Power Typically 25μs PW, 5% Duty Cycle for Frequency Range 150MHz to 5GHz)

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +85 °C (OPERATING)
-55 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS
ARE IN INCH [mm]
TOLERANCES
X.XXX ± 0.020 [0.508]
X.XXX ± 0.010 [0.254]

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	8/11/21	

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN SMH		8/11/21		PRODUCT FEATURE	
CHECKED				LM-150M5G-200CW-2KWPK-AGAL-NFF	
ISSUED				150 MHz to 5 GHz 200W CW Power Limiter	
SUB	FSCM NO.	DWG NO.	REV		
A	05XQ0	27041360	A1		
SCALE	N:S	SHEET	1 OF 2		

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

Technical Specifications

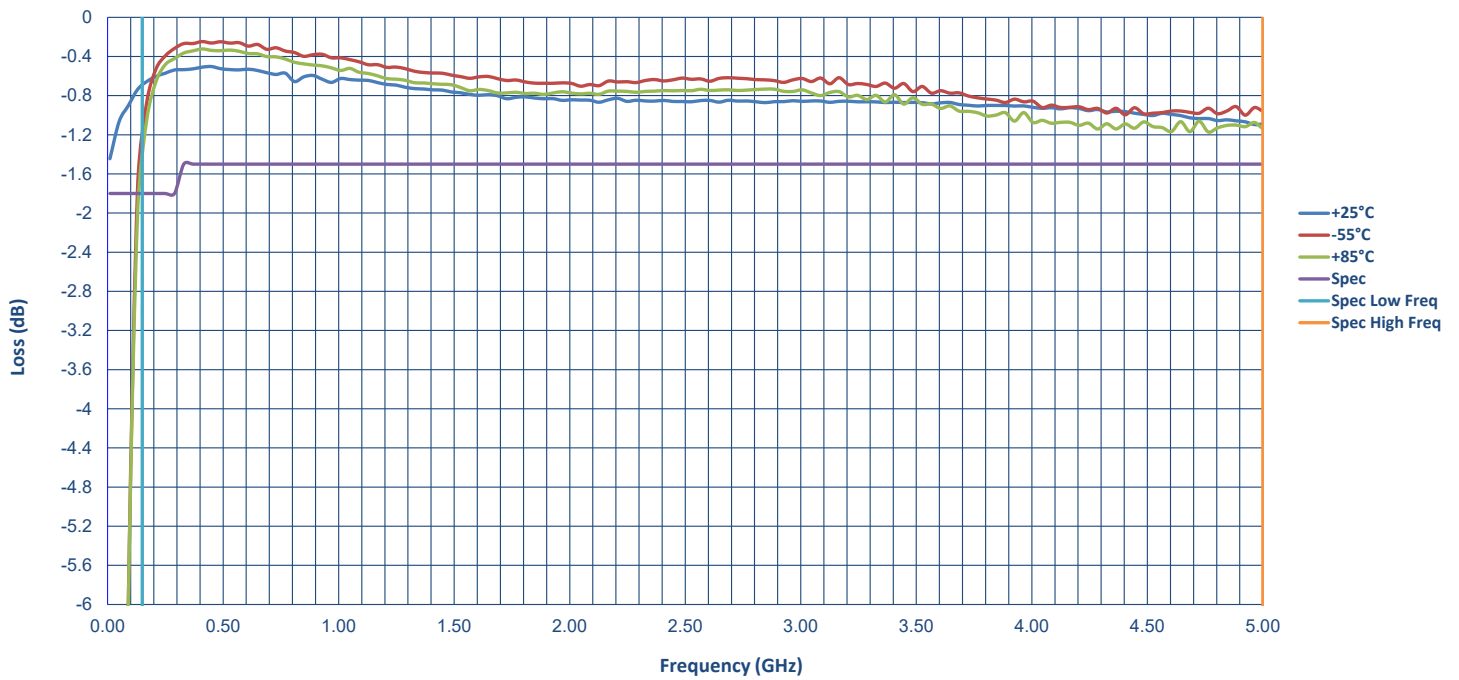
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results			QA QC
			+25°C	-55°C	+85°C	
1	Frequency Range:	150 MHz to 5 GHz	150 MHz to 5 GHz	150 MHz to 5 GHz	150 MHz to 5 GHz	
2	Power Handling	2 KW Peak Power Typ. (+63 dBm) 25µs, 5% Duty Cycle Note 1	Tested up to 1000 Watts Peak, 25µs, 5% Duty Cycle	Tested up to 1000 Watts Peak, 25µs, 5% Duty Cycle	Tested up to 1000 Watts Peak, 25µs, 5% Duty Cycle	
		200 Watts CW Typ. (+53 dBm) Note 2	Pass 200 Watts CW	Pass 200 Watts CW	Pass 200 Watts CW	
3	Insertion Loss	150 to 300 MHz (2.0 dB Max.) 300 MHz to 5 GHz (1.5 dB Max.)	1.89 dB	1.74 dB	2 dB	
			1.1 dB	1 dB	1.17 dB	
			See Graphs	See Graphs	See Graphs	
4	VSWR (in/out)	1.7:1 Typ.	1.66 :1 In	1.68 :1 In	1.65 :1 In	
			1.65 :1 Out	1.67 :1 In	1.63 :1 In	
			See Graphs	See Graphs	See Graphs	
5	Flat Leakage Power	+20 dBm Typ.	15.91 dBm @ 150MHz	16.6 dBm @ 150MHz	15.2 dBm @ 150MHz	
			22.16 dBm @ 0.5GHz	22.59 dBm @ 0.5GHz	22.59 dBm @ 0.5GHz	
			19.73 dBm @ 1GHz	20.4 dBm @ 1GHz	18.54 dBm @ 1GHz	
			17.49 dBm @ 2GHz	19.5 dBm @ 2GHz	16.85 dBm @ 2GHz	
			14.82 dBm @ 4GHz	17.14 dBm @ 4GHz	14.81 dBm @ 4GHz	
			15.01 dBm @ 5GHz	14.18 dBm @ 5GHz	14.8 dBm @ 5GHz	
			See Graphs	See Graphs	See Graphs	
6	P1dB	+6 dBm Min. (150 MHz to 5 GHz)	14 Max.	15 Max.	11 Max.	
			8.5 Min.	10.15 Min.	6.5 Min.	
			See Graphs	See Graphs	See Graphs	
7	Recovery Time	100 ns Max.	33.11 ns See Plots	33.11 ns See Plots	33.11 ns See Plots	

Note 1: Tested up to 200 Watts CW at 2.4 GHz

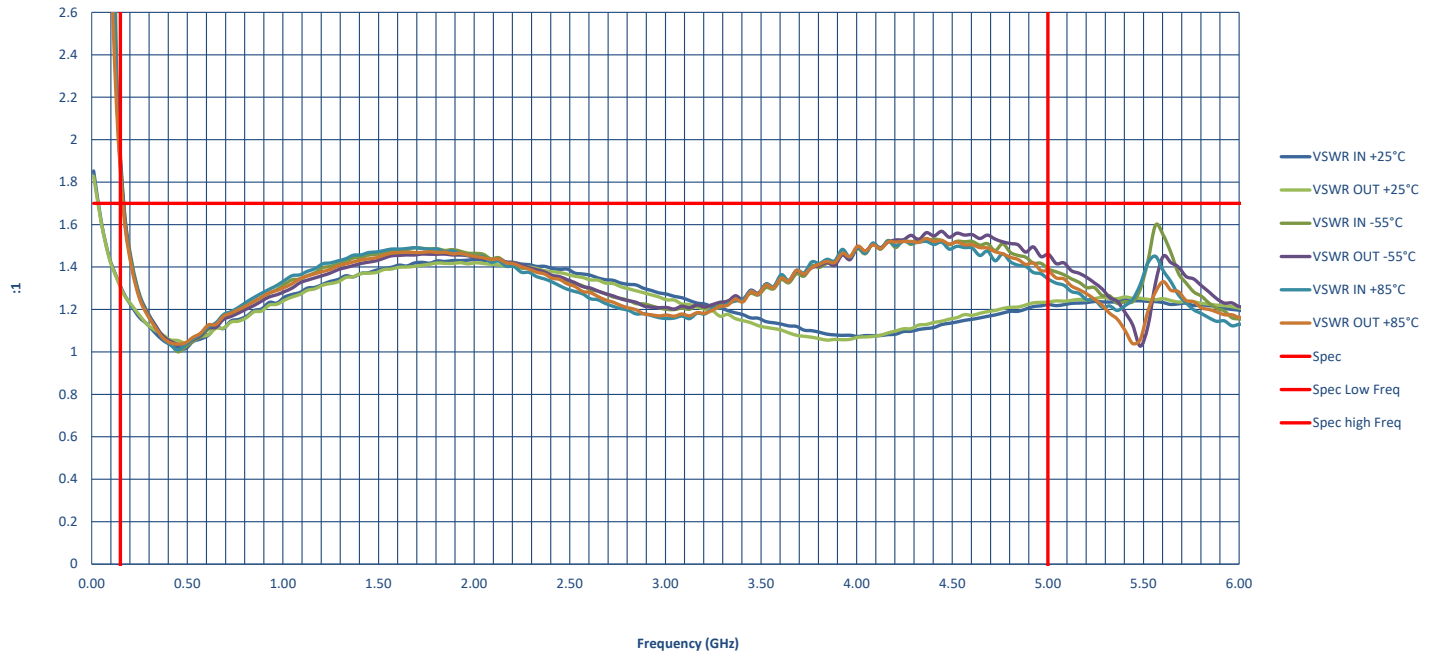
Note 2: Tested Pulse Peak Power at 2.4GHz, (Theoretically it can handle 2KW Peak Power Typically 25µs PW, 5% Duty Cycle for Frequency Range 150MHz to 5GHz)

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

Insertion Loss

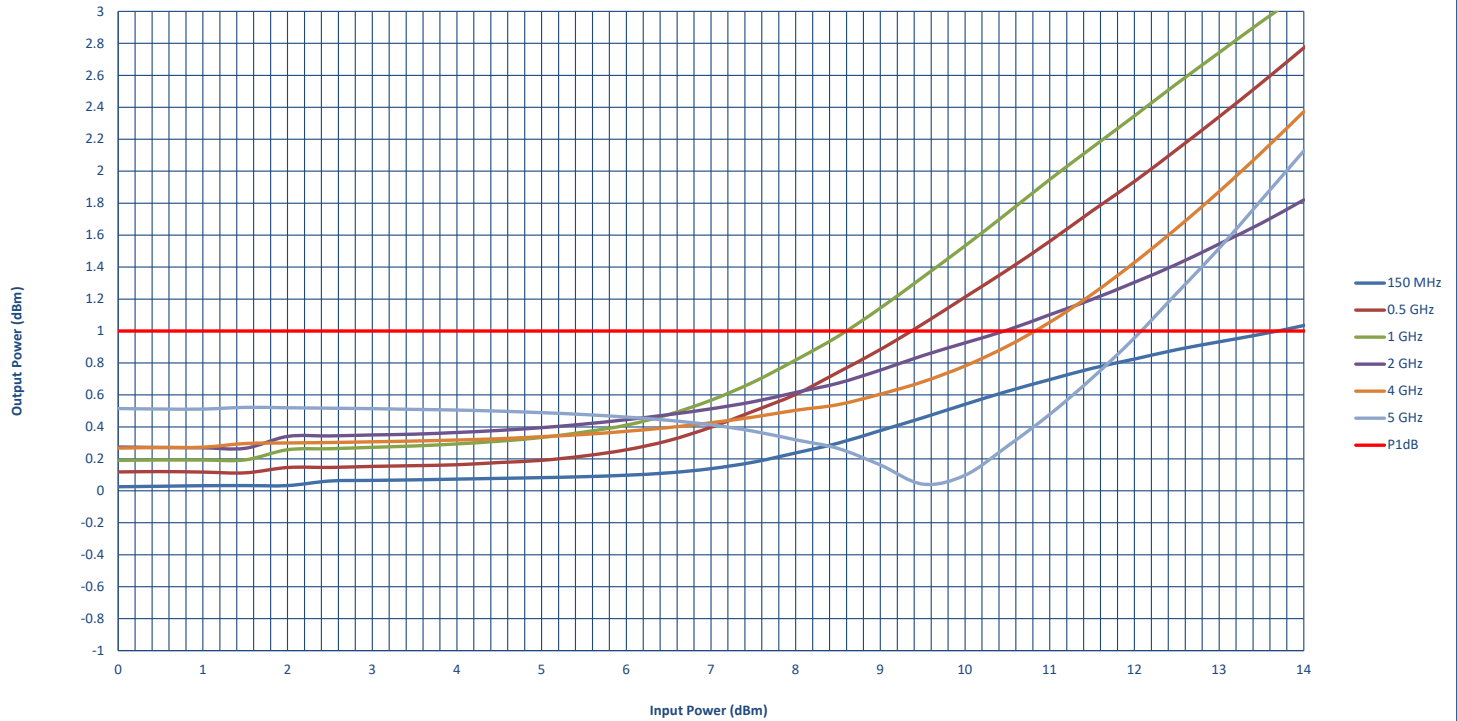


VSWR

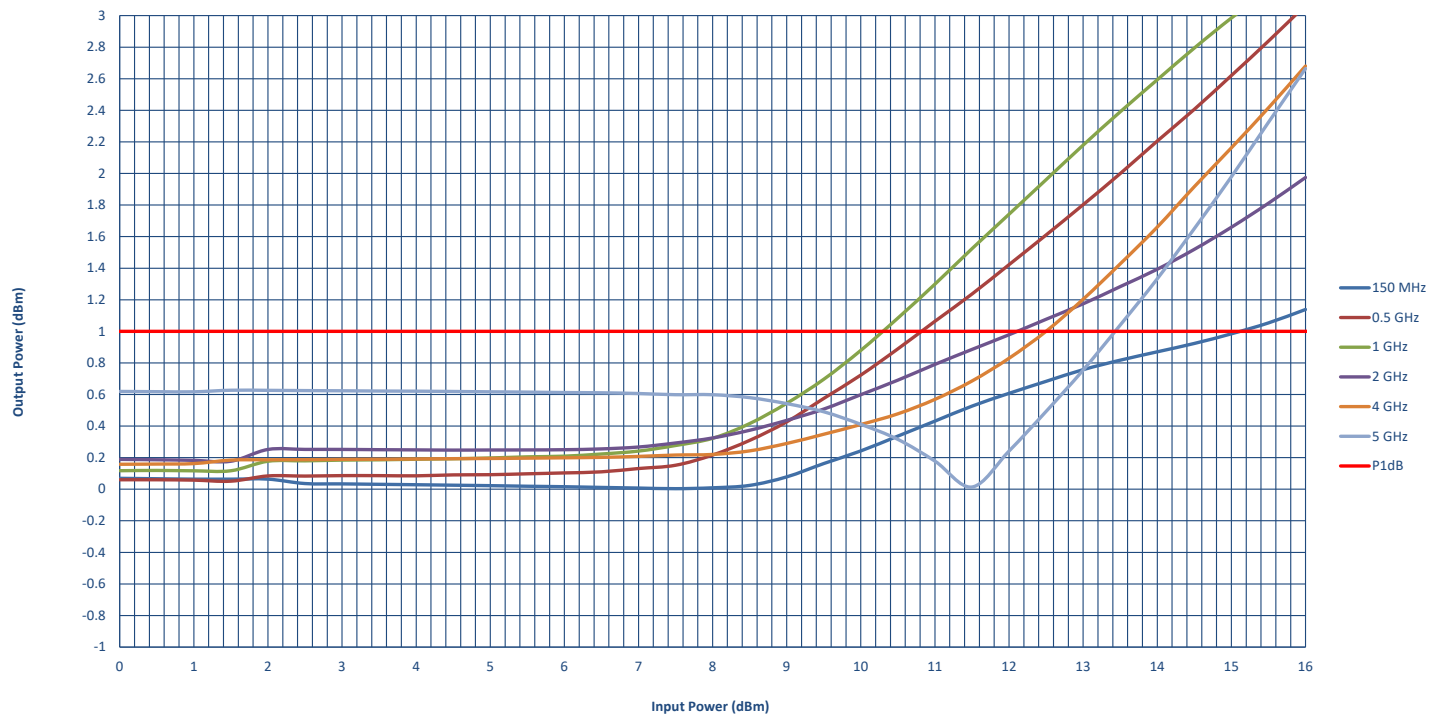


Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

P1dB 150 MHz to 5 GHz @ (+25°C)

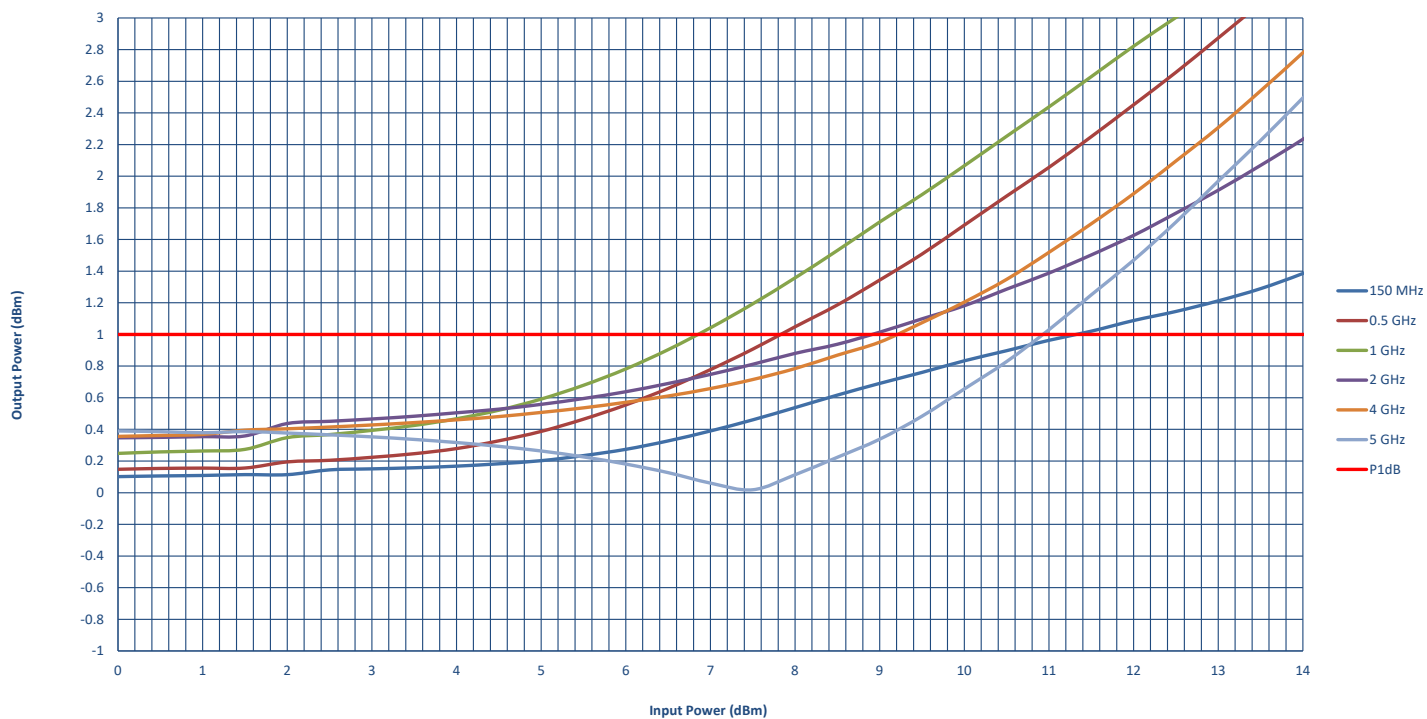


P1dB 150 MHz to 5 GHz @ (-55°C)



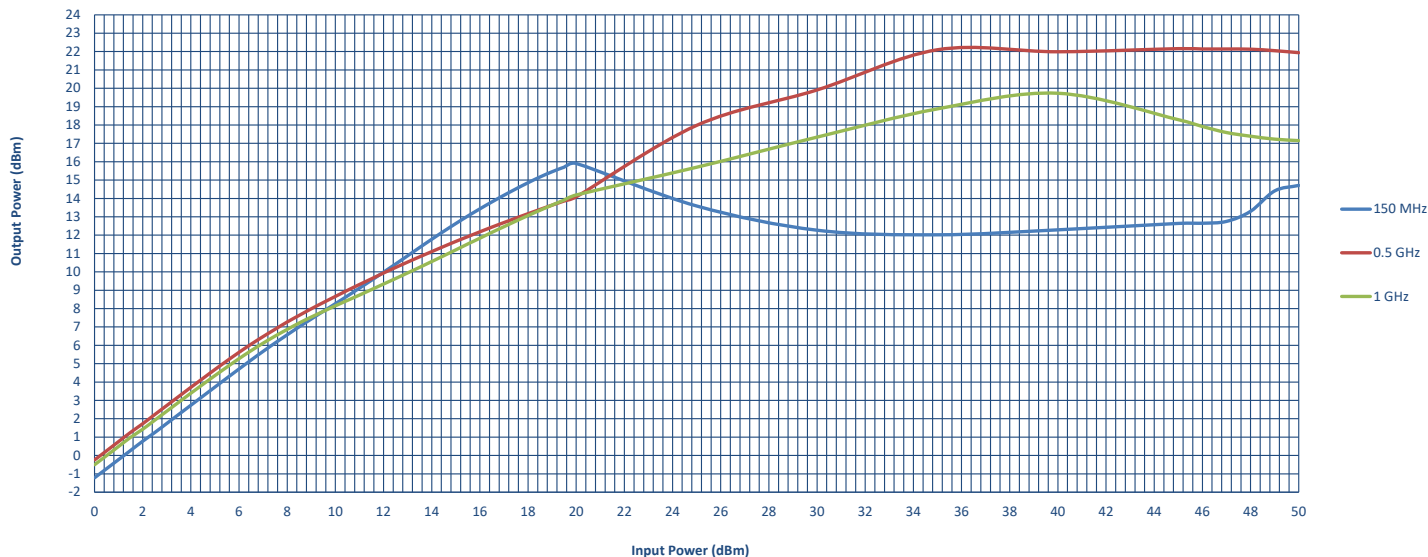
Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

P1dB 150 MHz to 5 GHz @ (+85°C)



Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

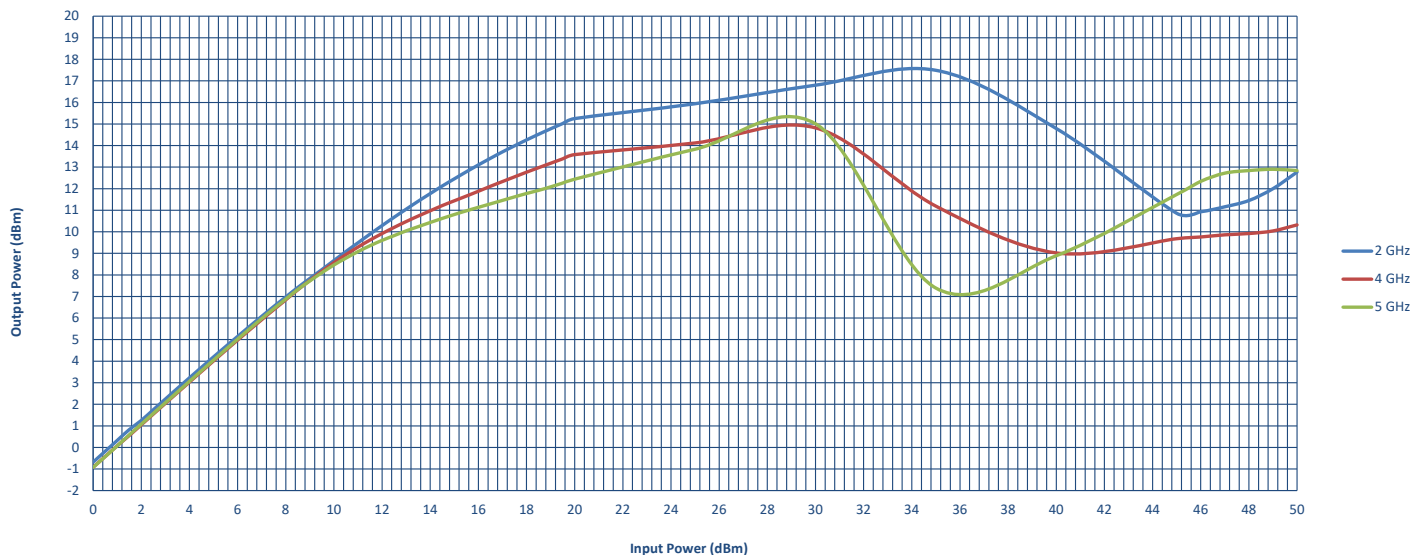
High Power Test CW - 150 MHz to 1GHz (+25°C)



High Power Test - 150 MHz to 1 GHz												P1dB	Power Input (Watts)
150 MHz				0.5 GHz				1 GHz					
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)		
0.0	-1.216	1.216	0.026	0.0	-0.244	0.244	0.118	0.0	-0.506	0.506	0.190		
0.5	-0.719	1.219	0.029	0.5	0.254	0.246	0.120	0.5	-0.008	0.508	0.193		
1.0	-0.223	1.223	0.032	1.0	0.757	0.243	0.117	1.0	0.492	0.508	0.193		
1.5	0.277	1.224	0.033	1.5	1.262	0.238	0.113	1.5	0.991	0.509	0.194		
2.0	0.777	1.224	0.033	2.0	1.729	0.271	0.146	2.0	1.428	0.573	0.257		
2.5	1.248	1.252	0.061	2.5	2.228	0.272	0.147	2.5	1.921	0.579	0.263		
3.0	1.744	1.256	0.065	3.0	2.722	0.278	0.153	3.0	2.412	0.588	0.272		
3.5	2.241	1.259	0.069	3.5	3.217	0.283	0.158	3.5	2.904	0.596	0.281		
4.0	2.736	1.264	0.073	4.0	3.711	0.289	0.163	4.0	3.391	0.609	0.294		
4.5	3.232	1.269	0.078	4.5	4.197	0.303	0.177	4.5	3.874	0.626	0.311		
5.0	3.727	1.273	0.083	5.0	4.684	0.316	0.191	5.0	4.351	0.649	0.334		
5.5	4.221	1.279	0.088	5.5	5.156	0.344	0.218	5.5	4.817	0.683	0.368		
6.0	4.712	1.288	0.098	6.0	5.618	0.382	0.257	6.0	5.274	0.726	0.411		
6.5	5.197	1.303	0.113	6.5	6.060	0.440	0.314	6.5	5.707	0.793	0.478		
7.0	5.671	1.329	0.139	7.0	6.477	0.523	0.398	7.0	6.118	0.882	0.567		
7.5	6.130	1.370	0.179	7.5	6.876	0.624	0.498	7.5	6.504	0.996	0.681		
8.0	6.572	1.428	0.237	8.0	7.271	0.729	0.604	8.0	6.866	1.134	0.819		
8.5	7.011	1.489	0.298	8.5	7.633	0.867	0.742	8.5	7.218	1.282	0.967		
9.0	7.432	1.568	0.377	9.0	7.990	1.010	0.884	9.0	7.541	1.459	1.144		
9.5	7.852	1.648	0.457	9.5	8.331	1.169	1.044	9.5	7.848	1.652	1.337		
10.0	8.268	1.732	0.542	10.0	8.662	1.338	1.213	10.0	8.152	1.848	1.533		
10.5	8.687	1.813	0.623	10.5	8.993	1.507	1.382	10.5	8.446	2.054	1.739		
11.0	9.114	1.887	0.696	11.0	9.313	1.687	1.562	11.0	8.737	2.263	1.948		
11.5	9.543	1.957	0.767	11.5	9.623	1.877	1.751	11.5	9.037	2.463	2.148		
12.0	9.985	2.015	0.824	12.0	9.939	2.061	1.936	12.0	9.339	2.661	2.346		
12.5	10.426	2.074	0.883	12.5	10.239	2.261	2.136	12.5	9.637	2.863	2.548		
13.0	10.877	2.123	0.932	13.0	10.534	2.466	2.341	13.0	9.943	3.057	2.742		
13.5	11.329	2.171	0.980	13.5	10.822	2.678	2.553	13.5	10.249	3.251	2.936		
14.0	11.775	2.225	1.034	14.0	11.103	2.897	2.772	14.0	10.564	3.436	3.121		
14.5	12.210	2.290	1.099	14.5	11.384	3.116	2.991	14.5	10.879	3.621	3.306		
15.0	12.633	2.367	1.176	15.0	11.659	3.341	3.216	15.0	11.198	3.802	3.487		
15.5	13.042	2.458	1.267	15.5	11.921	3.579	3.454	15.5	11.521	3.979	3.664		
16.0	13.433	2.567	1.376	16.0	12.183	3.817	3.692	16.0	11.834	4.166	3.851		
16.5	13.811	2.689	1.498	16.5	12.439	4.061	3.936	16.5	12.155	4.345	4.030		
17.0	14.174	2.826	1.635	17.0	12.687	4.313	4.188	17.0	12.461	4.539	4.224		
17.5	14.523	2.977	1.786	17.5	12.932	4.568	4.443	17.5	12.769	4.731	4.416		
18.0	14.857	3.143	1.952	18.0	13.169	4.831	4.706	18.0	13.069	4.931	4.616		
18.5	15.172	3.328	2.137	18.5	13.404	5.096	4.971	18.5	13.357	5.143	4.828		
19.0	15.455	3.545	2.354	19.0	13.636	5.364	5.239	19.0	13.640	5.360	5.045		
19.5	15.705	3.795	2.604	19.5	13.862	5.638	5.513	19.5	13.915	5.585	5.270		
20.0	15.906	4.094	2.903	20.0	14.087	5.913	5.788	20.0	14.190	5.810	5.495		
25.0	13.590	11.410	10.219	25.0	17.980	7.020	5.829	25.0	15.700	9.300	8.109		
30.0	12.270	17.730	16.539	30.0	19.910	10.090	8.899	30.0	17.340	12.660	11.469		1 Watt
35.0	12.020	22.980	21.789	35.0	22.100	12.900	11.709	35.0	18.880	16.120	14.929		
40.0	12.290	27.710	26.519	40.0	21.990	18.010	16.819	40.0	19.730	20.270	19.079		10 Watts
45.0	12.640	32.360	31.169	45.0	22.160	22.840	21.649	45.0	19.290	26.710	25.519		32 Watts
46.0	12.650	33.350	32.159	46.0	22.140	23.860	22.669	46.0	19.320	28.080	26.889		40 Watts
47.0	12.750	34.250	33.059	47.0	22.140	24.860	23.669	47.0	19.590	29.410	28.219		50 Watts
48.0	13.300	34.700	33.509	48.0	22.130	25.870	24.679	48.0	19.390	30.610	29.419		63 Watts
49.0	14.410	34.590	33.399	49.0	22.050	26.950	25.759	49.0	17.230	31.770	30.579		80 Watts
50.0	14.710	35.290	34.099	50.0	21.940	28.060	26.869	50.0	17.150	32.850	31.659		100 Watts

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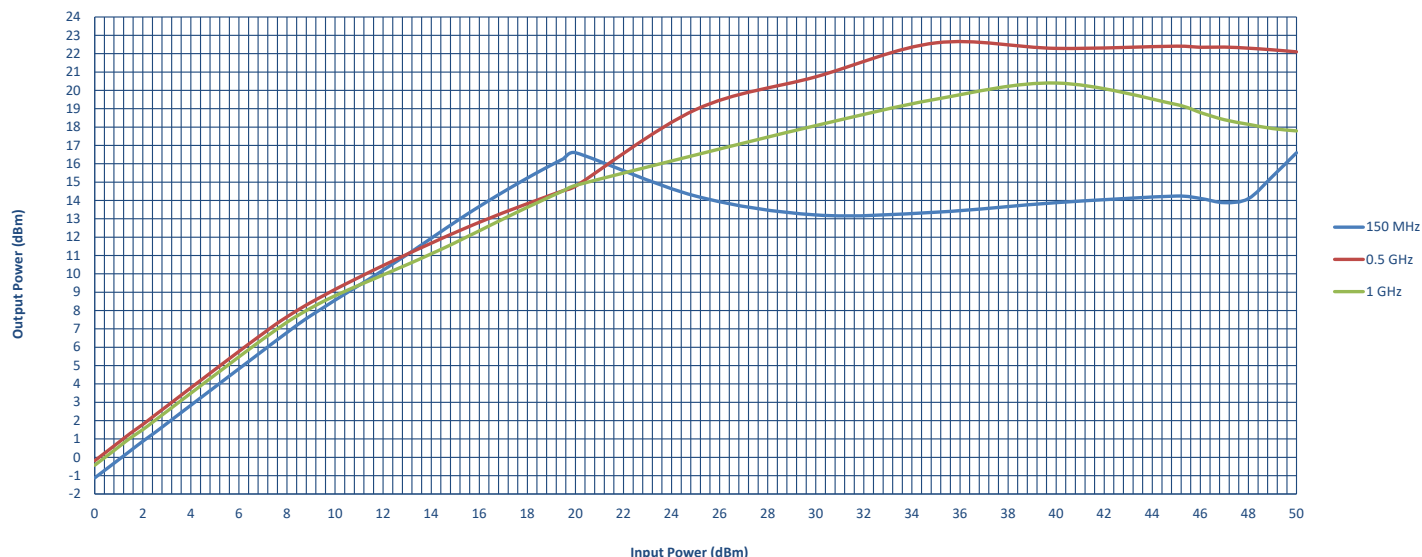
High Power Test CW - 2 GHz to 5 GHz (+25°C)



High Power Test 2 GHz to 5 GHz												P1dB	Power Input (Watts)
2 GHz				4 GHz				5 GHz					
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)		
0.0	-0.682	0.682	0.274	0.0	-0.920	0.920	0.267	0.0	-0.925	0.925	0.515		
0.5	-0.179	0.679	0.271	0.5	-0.424	0.924	0.271	0.5	-0.428	0.928	0.512		
1.0	0.323	0.677	0.269	1.0	0.075	0.926	0.273	1.0	0.072	0.929	0.512		
1.5	0.826	0.674	0.266	1.5	0.552	0.948	0.296	1.5	0.582	0.918	0.522		
2.0	1.252	0.748	0.341	2.0	1.048	0.952	0.300	2.0	1.080	0.920	0.520		
2.5	1.749	0.751	0.344	2.5	1.545	0.955	0.302	2.5	1.577	0.923	0.517		
3.0	2.243	0.757	0.350	3.0	2.041	0.959	0.307	3.0	2.074	0.926	0.514		
3.5	2.738	0.762	0.355	3.5	2.536	0.964	0.312	3.5	2.570	0.930	0.510		
4.0	3.227	0.773	0.365	4.0	3.030	0.971	0.318	4.0	3.065	0.935	0.505		
4.5	3.714	0.786	0.378	4.5	3.522	0.978	0.326	4.5	3.559	0.942	0.499		
5.0	4.197	0.803	0.395	5.0	4.009	0.991	0.339	5.0	4.049	0.951	0.489		
5.5	4.675	0.825	0.418	5.5	4.495	1.005	0.353	5.5	4.537	0.963	0.477		
6.0	5.147	0.853	0.445	6.0	4.975	1.025	0.373	6.0	5.021	0.979	0.461		
6.5	5.616	0.884	0.477	6.5	5.452	1.049	0.396	6.5	5.501	0.999	0.441		
7.0	6.079	0.921	0.513	7.0	5.922	1.079	0.426	7.0	5.973	1.027	0.413		
7.5	6.535	0.965	0.558	7.5	6.386	1.114	0.462	7.5	6.433	1.067	0.373		
8.0	6.977	1.023	0.616	8.0	6.844	1.156	0.504	8.0	6.879	1.121	0.319		
8.5	7.419	1.081	0.674	8.5	7.308	1.192	0.539	8.5	7.325	1.175	0.265	P1dB @ 2GHz 4 GHz 5 GHz	
9.0	7.837	1.163	0.755	9.0	7.743	1.257	0.605	9.0	7.722	1.278	0.162		
9.5	8.247	1.253	0.846	9.5	8.166	1.335	0.682	9.5	8.102	1.398	0.042		
10.0	8.667	1.333	0.926	10.0	8.566	1.434	0.781	10.0	8.462	1.538	0.098		
10.5	9.087	1.413	1.006	10.5	8.942	1.558	0.905	10.5	8.781	1.720	0.280		
11.0	9.491	1.510	1.102	11.0	9.293	1.707	1.055	11.0	9.082	1.919	0.479		
11.5	9.895	1.606	1.198	11.5	9.617	1.883	1.230	11.5	9.354	2.146	0.706		
12.0	10.288	1.712	1.305	12.0	9.919	2.081	1.429	12.0	9.603	2.397	0.957		
12.5	10.675	1.825	1.418	12.5	10.204	2.296	1.644	12.5	9.823	2.677	1.237		
13.0	11.048	1.952	1.545	13.0	10.475	2.525	1.873	13.0	10.043	2.957	1.517		
13.5	11.418	2.082	1.675	13.5	10.731	2.769	2.117	13.5	10.239	3.261	1.821		
14.0	11.772	2.228	1.821	14.0	10.975	3.025	2.373	14.0	10.433	3.567	2.127		
14.5	12.124	2.376	1.969	14.5	11.217	3.283	2.631	14.5	10.621	3.879	2.439		
15.0	12.456	2.544	2.137	15.0	11.438	3.562	2.910	15.0	10.802	4.198	2.758		
15.5	12.784	2.716	2.309	15.5	11.657	3.843	3.191	15.5	10.973	4.527	3.087		
16.0	13.102	2.898	2.491	16.0	11.881	4.119	3.467	16.0	11.135	4.865	3.425		
16.5	13.409	3.091	2.684	16.5	12.111	4.389	3.737	16.5	11.296	5.204	3.764		
17.0	13.706	3.294	2.887	17.0	12.331	4.669	4.017	17.0	11.457	5.543	4.103		
17.5	13.987	3.513	3.106	17.5	12.548	4.952	4.300	17.5	11.619	5.881	4.441		
18.0	14.261	3.739	3.332	18.0	12.765	5.235	4.583	18.0	11.777	6.223	4.783		
18.5	14.523	3.977	3.570	18.5	12.973	5.527	4.875	18.5	11.922	6.578	5.138		
19.0	14.777	4.223	3.816	19.0	13.179	5.821	5.169	19.0	12.084	6.916	5.476		
19.5	15.020	4.480	4.073	19.5	13.383	6.117	5.465	19.5	12.261	7.239	5.799		
20.0	15.252	4.748	4.341	20.0	13.580	6.420	5.768	20.0	12.442	7.558	6.118		
25.0	15.940	9.060	7.869	25.0	14.120	10.880	9.689	25.0	13.830	11.170	9.979		
30.0	16.800	13.200	12.009	30.0	14.820	15.180	13.989	30.0	15.010	14.990	13.799		1 Watt
35.0	17.490	17.510	16.319	35.0	15.190	23.810	22.619	35.0	7.390	27.610	26.419		
40.0	14.790	25.210	24.019	40.0	9.020	30.980	29.789	40.0	8.890	31.110	29.919		10 Watts
45.0	10.860	34.140	32.949	45.0	9.680	35.320	34.129	45.0	11.730	33.270	32.079		32 Watts
46.0	10.930	35.070	33.879	46.0	9.760	36.240	35.049	46.0	12.340	33.660	32.469		40 Watts
47.0	11.160	35.840	34.649	47.0	9.860	37.140	35.949	47.0	12.720	34.280	33.089		50 Watts
48.0	11.450	36.550	35.359	48.0	9.920	38.080	36.889	48.0	12.840	35.160	33.969		63 Watts
49.0	12.000	37.000	35.809	49.0	10.040	38.960	37.769	49.0	12.900	36.100	34.909		80 Watts
50.0	12.770	37.230	36.039	50.0	10.320	39.680	38.489	50.0	12.840	37.160	35.969		100 Watts

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

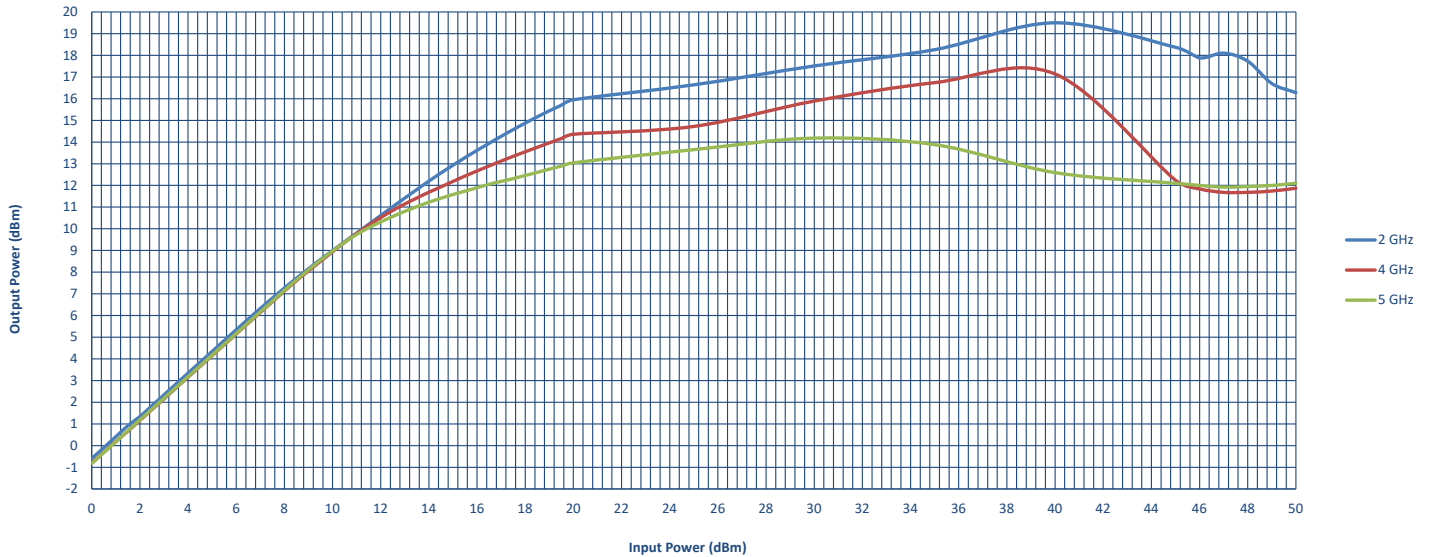
High Power Test CW - 150 MHz to 1 GHz (-55°C)



High Power Test												P1dB	Power Input (Watts)
150 MHz				0.5 GHz				1 GHz					
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)		
0.0	-1.122	1.122	0.069	0.0	-0.185	0.185	0.060	0.0	-0.433	0.433	0.117	P1dB @ 150MHz 0.5 GHz 1 GHz	
0.5	-0.624	1.124	0.066	0.5	0.315	0.185	0.060	0.5	0.066	0.434	0.119		
1.0	-0.127	1.127	0.064	1.0	0.817	0.183	0.058	1.0	0.568	0.432	0.117		
1.5	0.373	1.127	0.064	1.5	1.324	0.177	0.051	1.5	1.068	0.432	0.117		
2.0	0.873	1.127	0.064	2.0	1.790	0.210	0.084	2.0	1.508	0.493	0.177		
2.5	1.345	1.155	0.036	2.5	2.291	0.209	0.083	2.5	2.005	0.495	0.180		
3.0	1.843	1.157	0.034	3.0	2.788	0.212	0.086	3.0	2.500	0.500	0.184		
3.5	2.341	1.160	0.031	3.5	3.288	0.212	0.086	3.5	2.998	0.502	0.186		
4.0	2.838	1.162	0.029	4.0	3.790	0.210	0.085	4.0	3.495	0.505	0.190		
4.5	3.335	1.165	0.026	4.5	4.284	0.216	0.091	4.5	3.992	0.508	0.193		
5.0	3.832	1.168	0.023	5.0	4.782	0.218	0.092	5.0	4.487	0.513	0.198		
5.5	4.328	1.172	0.019	5.5	5.277	0.223	0.098	5.5	4.980	0.521	0.205		
6.0	4.825	1.175	0.016	6.0	5.771	0.229	0.103	6.0	5.475	0.525	0.210		
6.5	5.321	1.179	0.011	6.5	6.264	0.236	0.110	6.5	5.962	0.538	0.223		
7.0	5.817	1.183	0.007	7.0	6.743	0.257	0.131	7.0	6.443	0.557	0.242		
7.5	6.313	1.187	0.004	7.5	7.223	0.277	0.152	7.5	6.908	0.592	0.277		
8.0	6.800	1.200	0.009	8.0	7.658	0.342	0.217	8.0	7.362	0.638	0.323		
8.5	7.285	1.215	0.024	8.5	8.065	0.435	0.310	8.5	7.769	0.731	0.416		
9.0	7.731	1.269	0.078	9.0	8.448	0.552	0.427	9.0	8.141	0.860	0.544		
9.5	8.147	1.353	0.163	9.5	8.799	0.701	0.575	9.5	8.488	1.012	0.697		
10.0	8.567	1.433	0.243	10.0	9.151	0.849	0.723	10.0	8.805	1.195	0.880		
10.5	8.973	1.527	0.337	10.5	9.485	1.015	0.889	10.5	9.101	1.400	1.084		
11.0	9.378	1.622	0.432	11.0	9.811	1.189	1.064	11.0	9.386	1.614	1.299		
11.5	9.783	1.717	0.526	11.5	10.138	1.362	1.237	11.5	9.661	1.839	1.524		
12.0	10.202	1.798	0.607	12.0	10.452	1.548	1.423	12.0	9.943	2.057	1.742		
12.5	10.626	1.874	0.683	12.5	10.764	1.736	1.611	12.5	10.224	2.276	1.961		
13.0	11.052	1.948	0.757	13.0	11.072	1.928	1.803	13.0	10.505	2.495	2.180		
13.5	11.492	2.008	0.817	13.5	11.375	2.125	2.000	13.5	10.794	2.706	2.391		
14.0	11.939	2.061	0.870	14.0	11.669	2.331	2.206	14.0	11.091	2.909	2.594		
14.5	12.386	2.114	0.923	14.5	11.968	2.532	2.407	14.5	11.390	3.110	2.795		
15.0	12.825	2.175	0.984	15.0	12.254	2.746	2.621	15.0	11.700	3.300	2.985		
15.5	13.256	2.244	1.053	15.5	12.536	2.964	2.839	15.5	12.026	3.474	3.159		
16.0	13.671	2.329	1.138	16.0	12.809	3.191	3.066	16.0	12.344	3.656	3.341		
16.5	14.074	2.426	1.235	16.5	13.071	3.429	3.304	16.5	12.673	3.827	3.512		
17.0	14.466	2.534	1.343	17.0	13.332	3.668	3.543	17.0	12.993	4.007	3.692		
17.5	14.850	2.650	1.459	17.5	13.578	3.922	3.797	17.5	13.314	4.186	3.871		
18.0	15.223	2.777	1.586	18.0	13.825	4.175	4.050	18.0	13.626	4.374	4.059		
18.5	15.585	2.915	1.724	18.5	14.064	4.436	4.311	18.5	13.931	4.569	4.254		
19.0	15.936	3.064	1.873	19.0	14.305	4.695	4.570	19.0	14.234	4.766	4.451		
19.5	16.271	3.229	2.038	19.5	14.537	4.963	4.838	19.5	14.530	4.970	4.655		
20.0	16.604	3.396	2.205	20.0	14.772	5.228	5.103	20.0	14.820	5.180	4.865		
25.0	14.240	10.760	9.569	25.0	18.950	6.050	4.859	25.0	16.480	8.520	7.329		
30.0	13.210	16.790	15.599	30.0	20.740	9.260	8.069	30.0	18.080	11.920	10.729		
35.0	13.360	21.640	20.449	35.0	22.590	12.410	11.219	35.0	19.520	15.480	14.289		
40.0	13.880	26.120	24.929	40.0	22.290	17.710	16.519	40.0	20.400	19.600	18.409		
45.0	14.240	30.760	29.569	45.0	22.410	22.590	21.399	45.0	19.230	25.770	24.579		
46.0	14.110	31.890	30.699	46.0	22.350	23.650	22.459	46.0	18.790	27.210	26.019		
47.0	13.880	33.120	31.929	47.0	22.360	24.640	23.449	47.0	18.400	28.600	27.409		
48.0	14.100	33.900	32.709	48.0	22.300	25.700	24.509	48.0	18.150	29.850	28.659		
49.0	15.310	33.690	32.499	49.0	22.210	26.790	25.599	49.0	17.920	31.080	29.889		
50.0	16.600	33.400	32.209	50.0	22.100	27.900	26.709	50.0	17.790	32.210	31.019		
50.0	16.600	33.400	32.209	50.0	22.100	27.900	26.709	50.0	17.790	32.210	31.019	100 Watts	

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

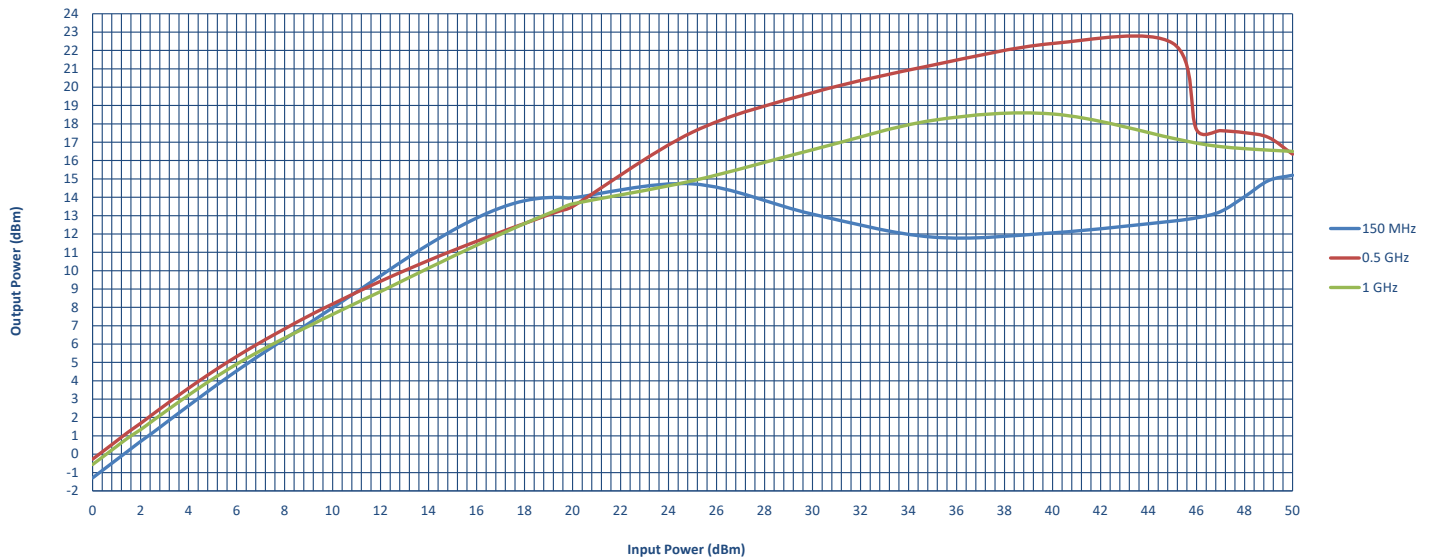
High Power Test CW - 2 GHz to 5 GHz (-55°C)



High Power Test												P1dB	Power Input (Watts)
2 GHz				4 GHz				5 GHz					
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)		
0.0	-0.597	0.597	0.189	0.0	-0.811	0.811	0.158	0.0	-0.821	0.821	0.619	P1dB @ 2GHz 4 GHz 5 GHz	
0.5	-0.094	0.594	0.187	0.5	-0.312	0.812	0.159	0.5	-0.322	0.822	0.618		
1.0	0.410	0.591	0.183	1.0	0.185	0.815	0.162	1.0	0.177	0.823	0.617		
1.5	0.915	0.585	0.177	1.5	0.663	0.837	0.184	1.5	0.687	0.813	0.627		
2.0	1.341	0.659	0.252	2.0	1.161	0.839	0.187	2.0	1.186	0.814	0.626		
2.5	1.840	0.660	0.252	2.5	1.660	0.840	0.187	2.5	1.685	0.815	0.625		
3.0	2.340	0.660	0.252	3.0	2.158	0.842	0.189	3.0	2.184	0.817	0.624		
3.5	2.842	0.658	0.250	3.5	2.657	0.843	0.190	3.5	2.682	0.818	0.622		
4.0	3.343	0.657	0.249	4.0	3.156	0.844	0.192	4.0	3.181	0.819	0.621		
4.5	3.845	0.655	0.248	4.5	3.654	0.846	0.194	4.5	3.679	0.821	0.619		
5.0	4.344	0.656	0.249	5.0	4.153	0.847	0.195	5.0	4.177	0.823	0.617		
5.5	4.844	0.656	0.249	5.5	4.651	0.849	0.197	5.5	4.675	0.825	0.615		
6.0	5.342	0.658	0.250	6.0	5.149	0.852	0.199	6.0	5.172	0.828	0.612		
6.5	5.837	0.663	0.255	6.5	5.646	0.854	0.202	6.5	5.671	0.829	0.611		
7.0	6.325	0.675	0.267	7.0	6.140	0.860	0.208	7.0	6.166	0.834	0.606		
7.5	6.800	0.700	0.293	7.5	6.631	0.869	0.217	7.5	6.659	0.841	0.599		
8.0	7.268	0.732	0.325	8.0	7.127	0.873	0.220	8.0	7.159	0.841	0.599		
8.5	7.719	0.781	0.373	8.5	7.605	0.895	0.243	8.5	7.640	0.860	0.580		
9.0	8.156	0.844	0.436	9.0	8.058	0.942	0.290	9.0	8.102	0.898	0.542		
9.5	8.585	0.915	0.508	9.5	8.499	1.001	0.348	9.5	8.551	0.949	0.491		
10.0	8.994	1.006	0.599	10.0	8.938	1.062	0.410	10.0	8.971	1.029	0.411		
10.5	9.402	1.099	0.691	10.5	9.370	1.130	0.478	10.5	9.376	1.124	0.316		
11.0	9.802	1.198	0.791	11.0	9.778	1.222	0.569	11.0	9.738	1.262	0.178		
11.5	10.207	1.293	0.885	11.5	10.162	1.338	0.686	11.5	10.046	1.454	0.014		
12.0	10.614	1.386	0.978	12.0	10.518	1.482	0.830	12.0	10.318	1.682	0.242		
12.5	11.016	1.484	1.077	12.5	10.847	1.653	1.001	12.5	10.567	1.933	0.493		
13.0	11.418	1.582	1.175	13.0	11.144	1.856	1.204	13.0	10.805	2.195	0.755		
13.5	11.809	1.691	1.284	13.5	11.420	2.080	1.428	13.5	11.020	2.480	1.040		
14.0	12.199	1.801	1.394	14.0	11.687	2.313	1.661	14.0	11.227	2.773	1.333		
14.5	12.573	1.927	1.520	14.5	11.931	2.569	1.917	14.5	11.409	3.091	1.651		
15.0	12.933	2.067	1.660	15.0	12.185	2.815	2.163	15.0	11.581	3.419	1.979		
15.5	13.281	2.219	1.812	15.5	12.432	3.068	2.416	15.5	11.736	3.764	2.324		
16.0	13.618	2.382	1.975	16.0	12.667	3.333	2.681	16.0	11.896	4.104	2.664		
16.5	13.942	2.558	2.151	16.5	12.897	3.603	2.951	16.5	12.055	4.445	3.005		
17.0	14.263	2.737	2.330	17.0	13.122	3.878	3.226	17.0	12.186	4.814	3.374		
17.5	14.574	2.926	2.519	17.5	13.342	4.158	3.506	17.5	12.315	5.185	3.745		
18.0	14.874	3.126	2.719	18.0	13.551	4.449	3.797	18.0	12.459	5.541	4.101		
18.5	15.163	3.337	2.930	18.5	13.758	4.742	4.090	18.5	12.601	5.899	4.459		
19.0	15.440	3.560	3.153	19.0	13.962	5.038	4.386	19.0	12.750	6.250	4.810		
19.5	15.700	3.800	3.393	19.5	14.163	5.337	4.685	19.5	12.894	6.606	5.166		
20.0	15.952	4.048	3.641	20.0	14.360	5.640	4.988	20.0	13.042	6.958	5.518		
25.0	16.640	8.360	7.169	25.0	14.720	10.280	9.089	25.0	13.650	11.350	10.159		
30.0	17.510	12.490	11.299	30.0	15.890	14.110	12.919	30.0	14.180	15.820	14.629		
35.0	18.260	16.740	15.549	35.0	16.740	18.260	17.069	35.0	13.880	21.120	19.929		
40.0	19.500	20.500	19.309	40.0	17.140	22.860	21.669	40.0	12.590	27.410	26.219		
45.0	18.370	26.630	25.439	45.0	12.240	32.760	31.569	45.0	12.100	32.900	31.709		
46.0	17.880	28.120	26.929	46.0	11.840	34.160	32.969	46.0	12.000	34.000	32.809		
47.0	18.100	28.900	27.709	47.0	11.680	35.320	34.129	47.0	11.920	35.080	33.889		
48.0	17.730	30.270	29.079	48.0	11.680	36.320	35.129	48.0	11.950	36.050	34.859		
49.0	16.700	32.300	31.109	49.0	11.740	37.260	36.069	49.0	12.000	37.000	35.809		
50.0	16.280	33.720	32.529	50.0	11.870	38.130	36.939	50.0	12.100	37.900	36.709		

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

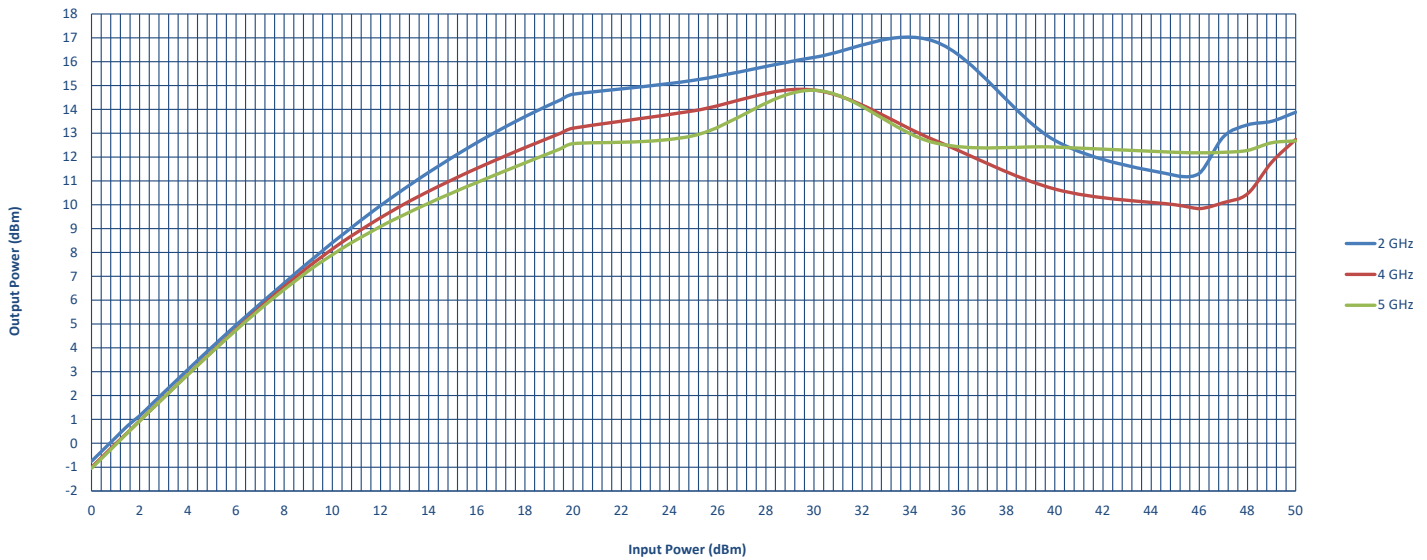
High Power Test CW - 150 MHz to 1 GHz (+85°C)



High Power Test												P1dB	Power Input (Watts)
150 MHz				0.5 GHz				1 GHz					
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)		
0.0	-12.92	1.292	0.102	0.0	-0.273	0.273	0.148	0.0	-0.564	0.564	0.248		
0.5	-0.797	1.297	0.106	0.5	0.221	0.279	0.153	0.5	-0.073	0.573	0.258		
1.0	-0.300	1.300	0.109	1.0	0.719	0.281	0.155	1.0	0.421	0.579	0.264		
1.5	0.195	1.305	0.114	1.5	1.219	0.282	0.156	1.5	0.911	0.589	0.274		
2.0	0.695	1.305	0.114	2.0	1.680	0.320	0.195	2.0	1.337	0.663	0.348		
2.5	1.165	1.335	0.144	2.5	2.170	0.330	0.205	2.5	1.817	0.683	0.367		
3.0	1.659	1.341	0.151	3.0	2.651	0.349	0.224	3.0	2.291	0.709	0.394		
3.5	2.152	1.348	0.158	3.5	3.128	0.372	0.247	3.5	2.760	0.740	0.425		
4.0	2.642	1.358	0.168	4.0	3.596	0.404	0.279	4.0	3.217	0.783	0.467		
4.5	3.127	1.373	0.183	4.5	4.047	0.453	0.328	4.5	3.663	0.837	0.521		
5.0	3.607	1.393	0.202	5.0	4.487	0.513	0.387	5.0	4.093	0.907	0.592		
5.5	4.075	1.425	0.234	5.5	4.910	0.590	0.465	5.5	4.506	0.994	0.679		
6.0	4.535	1.465	0.274	6.0	5.320	0.680	0.555	6.0	4.903	1.097	0.782		
6.5	4.982	1.518	0.327	6.5	5.715	0.785	0.659	6.5	5.281	1.219	0.904		
7.0	5.419	1.581	0.390	7.0	6.097	0.903	0.778	7.0	5.643	1.357	1.042		
7.5	5.849	1.651	0.460	7.5	6.467	1.033	0.907	7.5	5.991	1.509	1.194		
8.0	6.272	1.728	0.538	8.0	6.826	1.174	1.049	8.0	6.327	1.673	1.358		
8.5	6.693	1.807	0.617	8.5	7.188	1.312	1.187	8.5	6.654	1.846	1.531		
9.0	7.119	1.881	0.691	9.0	7.531	1.469	1.344	9.0	6.974	2.026	1.711		
9.5	7.549	1.951	0.760	9.5	7.866	1.634	1.508	9.5	7.301	2.199	1.884		
10.0	7.976	2.024	0.834	10.0	8.183	1.817	1.691	10.0	7.618	2.382	2.066		
10.5	8.412	2.088	0.898	10.5	8.500	2.000	1.875	10.5	7.932	2.568	2.253		
11.0	8.846	2.154	0.963	11.0	8.819	2.181	2.056	11.0	8.247	2.753	2.438		
11.5	9.289	2.211	1.021	11.5	9.125	2.375	2.250	11.5	8.556	2.945	2.629		
12.0	9.721	2.279	1.088	12.0	9.423	2.577	2.452	12.0	8.863	3.137	2.822		
12.5	10.164	2.336	1.145	12.5	9.718	2.782	2.657	12.5	9.181	3.319	3.003		
13.0	10.597	2.403	1.212	13.0	10.001	2.999	2.874	13.0	9.503	3.497	3.182		
13.5	11.020	2.480	1.289	13.5	10.281	3.219	3.094	13.5	9.822	3.679	3.363		
14.0	11.424	2.576	1.385	14.0	10.557	3.443	3.318	14.0	10.143	3.857	3.542		
14.5	11.813	2.687	1.496	14.5	10.828	3.672	3.547	14.5	10.453	4.047	3.732		
15.0	12.192	2.808	1.617	15.0	11.089	3.911	3.786	15.0	10.772	4.228	3.913		
15.5	12.543	2.957	1.766	15.5	11.349	4.151	4.026	15.5	11.079	4.421	4.106		
16.0	12.867	3.133	1.942	16.0	11.599	4.401	4.276	16.0	11.384	4.616	4.301		
16.5	13.165	3.335	2.144	16.5	11.852	4.648	4.523	16.5	11.689	4.811	4.496		
17.0	13.424	3.576	2.385	17.0	12.096	4.904	4.779	17.0	11.982	5.018	4.703		
17.5	13.644	3.856	2.665	17.5	12.340	5.160	5.035	17.5	12.279	5.221	4.906		
18.0	13.812	4.188	2.997	18.0	12.573	5.427	5.302	18.0	12.566	5.434	5.119		
18.5	13.924	4.576	3.385	18.5	12.809	5.691	5.566	18.5	12.845	5.655	5.340		
19.0	13.984	5.016	3.825	19.0	13.044	5.956	5.831	19.0	13.117	5.883	5.568		
19.5	13.993	5.507	4.316	19.5	13.267	6.233	6.108	19.5	13.379	6.121	5.806		
20.0	13.970	6.030	4.839	20.0	13.494	6.506	6.381	20.0	13.640	6.360	6.045		
25.0	14.730	10.270	9.079	25.0	17.550	7.450	6.259	25.0	14.900	10.100	8.909		
30.0	13.080	16.920	15.729	30.0	19.700	10.300	9.109	30.0	16.590	13.410	12.219		1Watt
35.0	11.830	23.170	21.979	35.0	21.200	13.800	12.609	35.0	18.190	16.810	15.619		
40.0	12.060	27.940	26.749	40.0	22.380	17.620	16.429	40.0	18.540	21.460	20.269		10 Watts
45.0	12.700	32.300	31.109	45.0	22.400	22.600	21.409	45.0	17.220	27.780	26.589		32 Watts
46.0	12.880	33.120	31.929	46.0	17.680	28.320	27.129	46.0	16.950	29.050	27.859		40 Watts
47.0	13.220	33.780	32.589	47.0	17.630	29.370	28.179	47.0	16.760	30.240	29.049		50 Watts
48.0	14.030	33.970	32.779	48.0	17.520	30.480	29.289	48.0	16.650	31.350	30.159		63 Watts
49.0	14.910	34.090	32.899	49.0	17.260	31.740	30.549	49.0	16.570	32.430	31.239		80 Watts
50.0	15.200	34.800	33.609	50.0	16.350	33.650	32.459	50.0	16.500	33.500	32.309		100 Watts

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

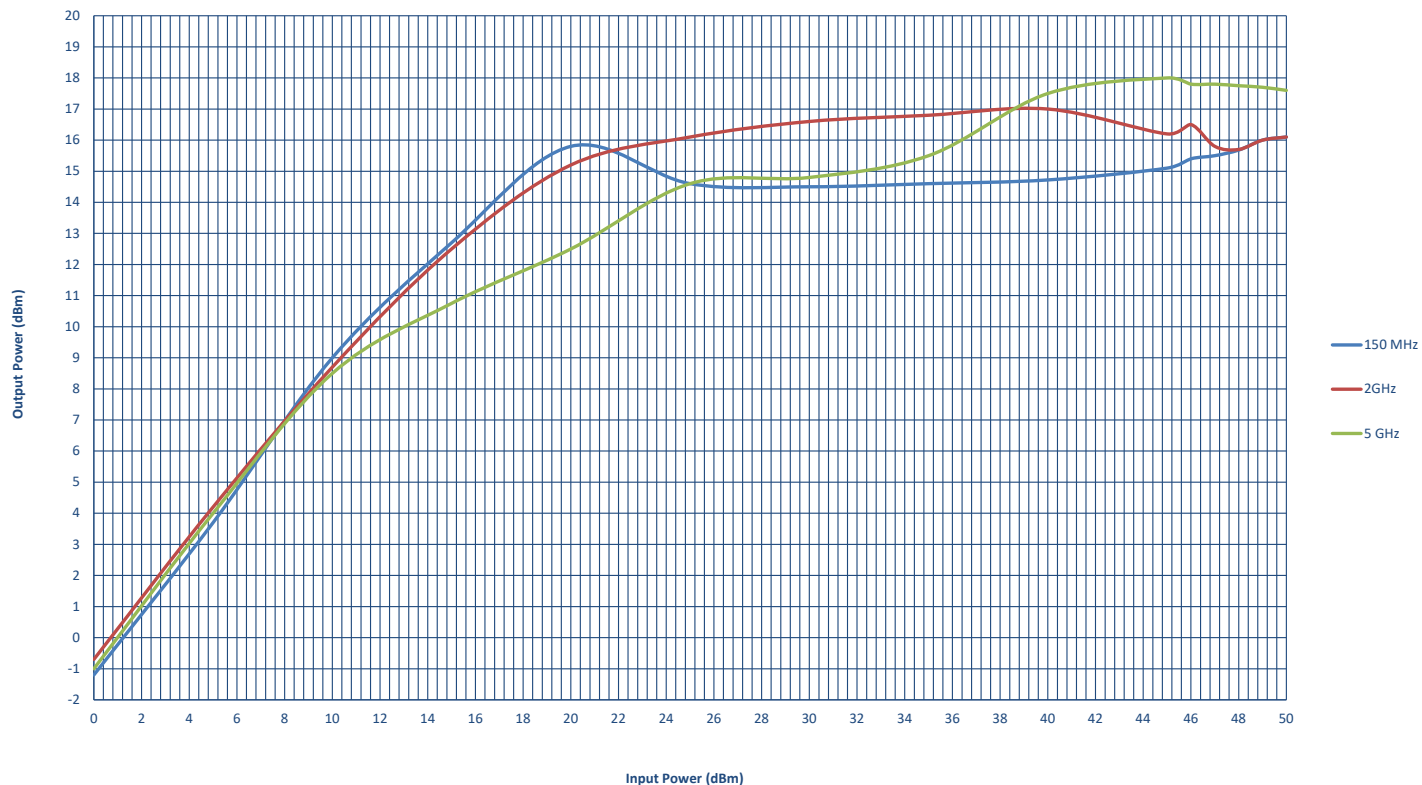
High Power Test CW - 2 GHz to 5 GHz (+85°C)



High Power Test												P1dB	Power Input (Watts)
2 GHz				4 GHz				5 GHz					
Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)	Power Input (dBm)	Power Output (dBm)	Loss	Compression (dB)		
0.0	-0.754	0.754	0.347	0.0	-1.008	1.008	0.356	0.0	-1.050	1.050	0.390		
0.5	-0.257	0.757	0.350	0.5	-0.514	1.014	0.362	0.5	-0.554	1.054	0.386		
1.0	0.238	0.762	0.354	1.0	-0.021	1.021	0.368	1.0	-0.061	1.061	0.379		
1.5	0.734	0.766	0.359	1.5	0.453	1.048	0.395	1.5	0.446	1.054	0.386		
2.0	1.155	0.845	0.437	2.0	0.944	1.056	0.404	2.0	0.937	1.063	0.377		
2.5	1.641	0.859	0.451	2.5	1.433	1.067	0.415	2.5	1.426	1.074	0.366		
3.0	2.127	0.873	0.466	3.0	1.920	1.081	0.428	3.0	1.913	1.087	0.353		
3.5	2.609	0.891	0.483	3.5	2.405	1.095	0.443	3.5	2.397	1.103	0.337		
4.0	3.088	0.913	0.505	4.0	2.887	1.113	0.461	4.0	2.877	1.123	0.317		
4.5	3.565	0.936	0.528	4.5	3.367	1.134	0.481	4.5	3.353	1.147	0.293		
5.0	4.034	0.966	0.558	5.0	3.840	1.160	0.507	5.0	3.824	1.176	0.264		
5.5	4.497	1.003	0.595	5.5	4.311	1.189	0.536	5.5	4.286	1.214	0.226		
6.0	4.954	1.046	0.638	6.0	4.776	1.224	0.571	6.0	4.741	1.259	0.181		
6.5	5.402	1.098	0.690	6.5	5.237	1.263	0.611	6.5	5.187	1.313	0.127		
7.0	5.845	1.155	0.748	7.0	5.689	1.311	0.658	7.0	5.621	1.379	0.061		
7.5	6.281	1.219	0.812	7.5	6.132	1.368	0.715	7.5	6.042	1.459	0.019		
8.0	6.712	1.288	0.881	8.0	6.563	1.437	0.785	8.0	6.446	1.554	0.114		
8.5	7.154	1.346	0.938	8.5	6.979	1.522	0.869	8.5	6.836	1.664	0.224	P1dB @ 2GHz 4 GHz 5 GHz	
9.0	7.578	1.422	1.014	9.0	7.396	1.604	0.952	9.0	7.222	1.778	0.338		
9.5	7.994	1.506	1.099	9.5	7.773	1.727	1.074	9.5	7.576	1.924	0.484		
10.0	8.411	1.589	1.182	10.0	8.143	1.857	1.205	10.0	7.904	2.096	0.656		
10.5	8.806	1.694	1.286	10.5	8.499	2.001	1.348	10.5	8.231	2.269	0.829		
11.0	9.205	1.795	1.388	11.0	8.829	2.171	1.519	11.0	8.530	2.470	1.030		
11.5	9.590	1.910	1.503	11.5	9.148	2.352	1.700	11.5	8.810	2.690	1.250		
12.0	9.967	2.034	1.626	12.0	9.458	2.542	1.890	12.0	9.091	2.910	1.470		
12.5	10.326	2.174	1.767	12.5	9.751	2.749	2.096	12.5	9.350	3.150	1.710		
13.0	10.681	2.319	1.912	13.0	10.040	2.960	2.308	13.0	9.591	3.409	1.969		
13.5	11.024	2.476	2.069	13.5	10.308	3.192	2.540	13.5	9.835	3.666	2.226		
14.0	11.359	2.641	2.234	14.0	10.567	3.433	2.781	14.0	10.065	3.935	2.495		
14.5	11.679	2.821	2.414	14.5	10.817	3.683	3.031	14.5	10.294	4.206	2.766		
15.0	11.999	3.001	2.594	15.0	11.059	3.941	3.289	15.0	10.508	4.492	3.052		
15.5	12.305	3.195	2.788	15.5	11.299	4.201	3.549	15.5	10.728	4.772	3.332		
16.0	12.604	3.396	2.989	16.0	11.527	4.473	3.821	16.0	10.932	5.068	3.628		
16.5	12.891	3.609	3.202	16.5	11.751	4.749	4.097	16.5	11.143	5.357	3.917		
17.0	13.169	3.831	3.424	17.0	11.969	5.031	4.379	17.0	11.350	5.650	4.210		
17.5	13.437	4.063	3.656	17.5	12.185	5.315	4.663	17.5	11.553	5.947	4.507		
18.0	13.695	4.305	3.898	18.0	12.397	5.603	4.951	18.0	11.756	6.244	4.804		
18.5	13.942	4.558	4.151	18.5	12.601	5.899	5.247	18.5	11.960	6.540	5.100		
19.0	14.181	4.819	4.412	19.0	12.806	6.194	5.542	19.0	12.159	6.841	5.401		
19.5	14.408	5.092	4.685	19.5	13.010	6.490	5.838	19.5	12.360	7.140	5.700		
20.0	14.635	5.365	4.958	20.0	13.213	6.787	6.135	20.0	12.564	7.436	5.996		
25.0	15.220	9.780	8.589	25.0	13.940	11.060	9.869	25.0	12.900	12.100	10.909		
30.0	16.180	13.820	12.629	30.0	14.810	15.190	13.999	30.0	14.800	15.200	14.009		1 Watt
35.0	16.850	18.150	16.959	35.0	12.710	22.290	21.099	35.0	12.600	22.400	21.209		
40.0	12.700	27.300	26.109	40.0	10.660	29.340	28.149	40.0	12.420	27.580	26.389		10 Watts
45.0	11.230	33.770	32.579	45.0	10.000	35.000	33.809	45.0	12.200	32.800	31.609		32 Watts
46.0	11.320	34.680	33.489	46.0	9.840	36.160	34.969	46.0	12.180	33.820	32.629		40 Watts
47.0	12.850	34.150	32.959	47.0	10.090	36.910	35.719	47.0	12.200	34.800	33.609		50 Watts
48.0	13.350	34.650	33.459	48.0	10.460	37.540	36.349	48.0	12.280	35.720	34.529		63 Watts
49.0	13.500	35.500	34.309	49.0	11.780	37.220	36.029	49.0	12.600	36.400	35.209		80 Watts
50.0	13.880	36.120	34.929	50.0	12.740	37.260	36.069	50.0	12.680	37.320	36.129		100 Watts

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

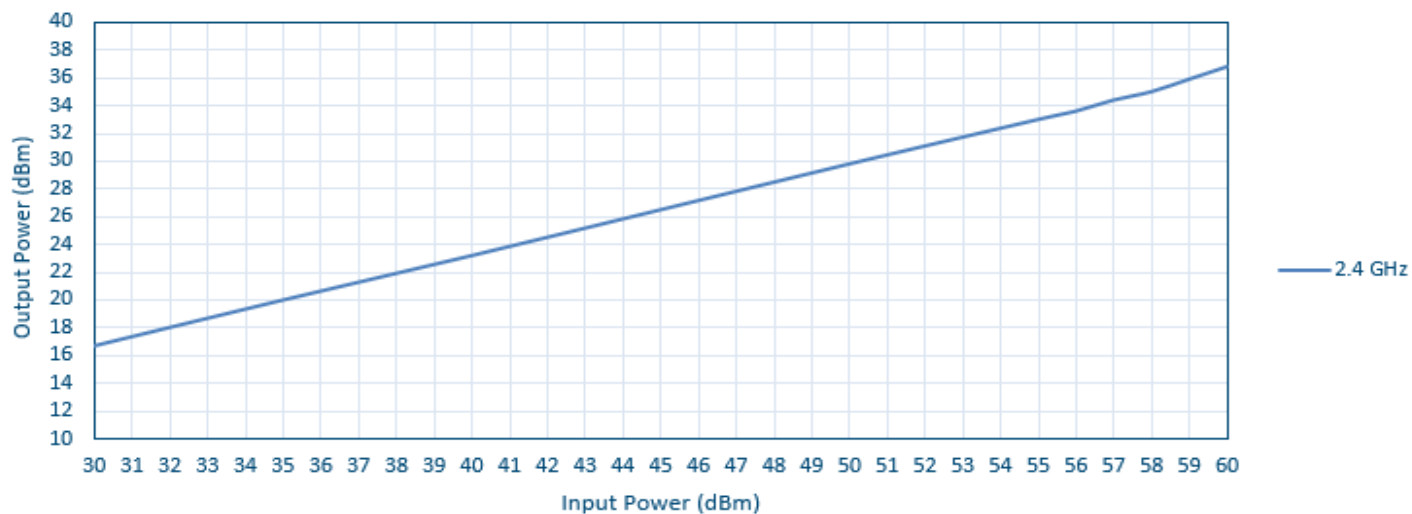
Peak Power Test - (25 μ s PW, 5%Duty Cycle, 2KHz PRF)



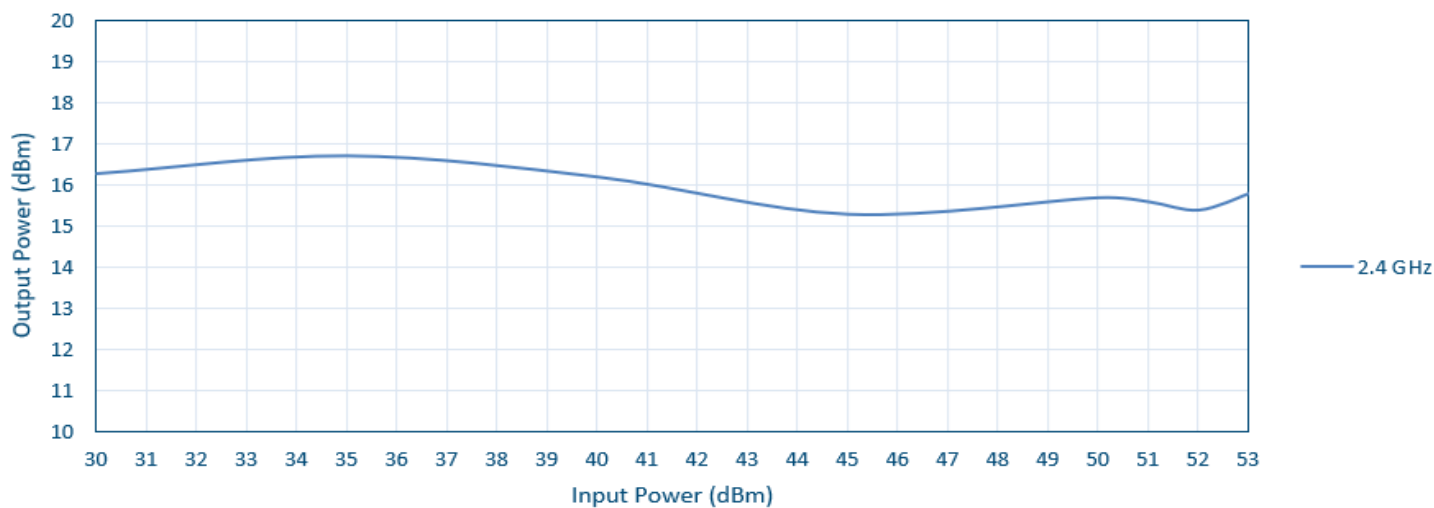
Peak Power Test - PW 25μs, 5% Duty Cycle, 2KHz PRF									Power Input (Watts)
150 MHz			2GHz			5 GHz			
Power Input (dBm)	Power Output (dBm)	Loss	Power Input (dBm)	Power Output (dBm)	Loss	Power Input (dBm)	Power Output (dBm)	Loss	
0.0	-1.20	1.20	0.0	-0.70	0.70	0.0	-1.00	1.00	
5.0	3.70	1.30	5.0	4.20	0.80	5.0	4.00	1.00	
10.0	9.00	1.00	10.0	8.70	1.30	10.0	8.50	1.50	
15.0	12.70	2.30	15.0	12.50	2.50	15.0	10.75	4.25	
20.0	15.80	4.20	20.0	15.20	4.80	20.0	12.50	7.50	
25.0	14.60	10.40	25.0	16.10	8.90	25.0	14.60	10.40	
30.0	14.50	15.50	30.0	16.60	13.40	30.0	14.80	15.20	
35.0	14.60	20.40	35.0	16.80	18.20	35.0	15.50	19.50	
40.0	14.72	25.28	40.0	17.00	23.00	40.0	17.50	22.50	
45.0	15.10	29.90	45.0	16.20	28.80	45.0	18.00	27.00	
46.0	15.40	30.60	46.0	16.50	29.50	46.0	17.80	28.20	
47.0	15.50	31.50	47.0	15.80	31.20	47.0	17.80	29.20	
48.0	15.68	32.32	48.0	15.70	32.30	48.0	17.75	30.25	
49.0	16.00	33.00	49.0	16.00	33.00	49.0	17.70	31.30	
50.0	16.10	33.90	50.0	16.10	33.90	50.0	17.60	32.40	100 Watts

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

Peak Power Test (60μs PW, 10% Duty Cycle)

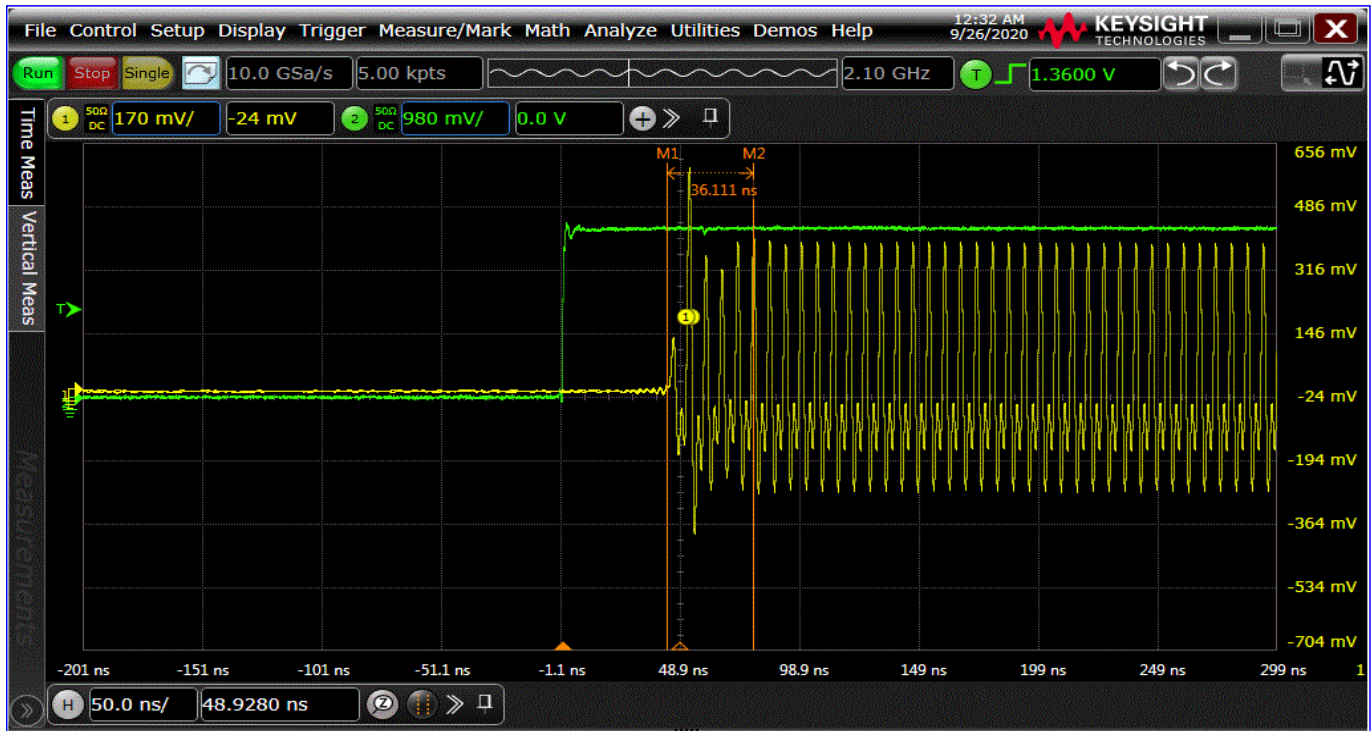


CW Power Test

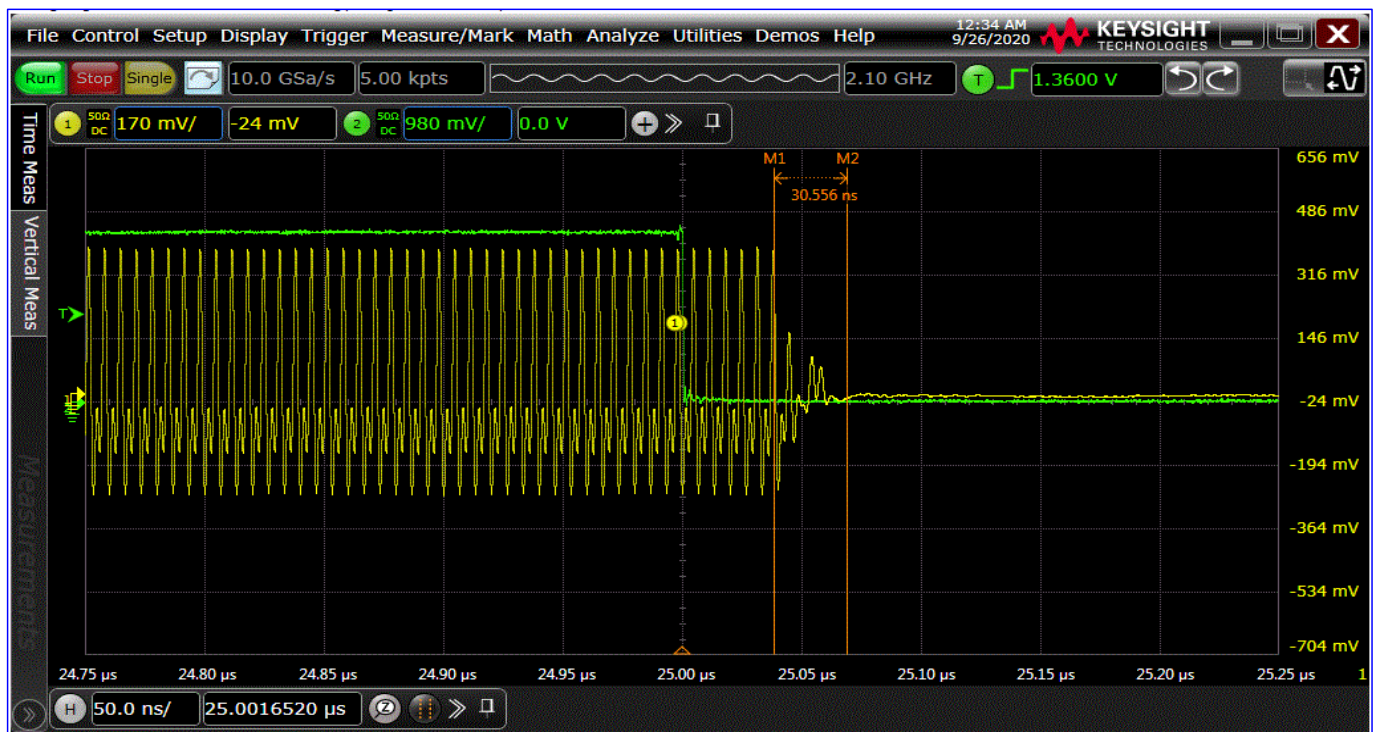


Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

Rise Time +30dBm (1 Watt) @ 150MHz
Pulse (Pw 25 μ s, Duty Cycle 5%, Pulse Rate 2KHz)
50 ns Per Div.
Rise Time , Measured Value (36.11 ns)



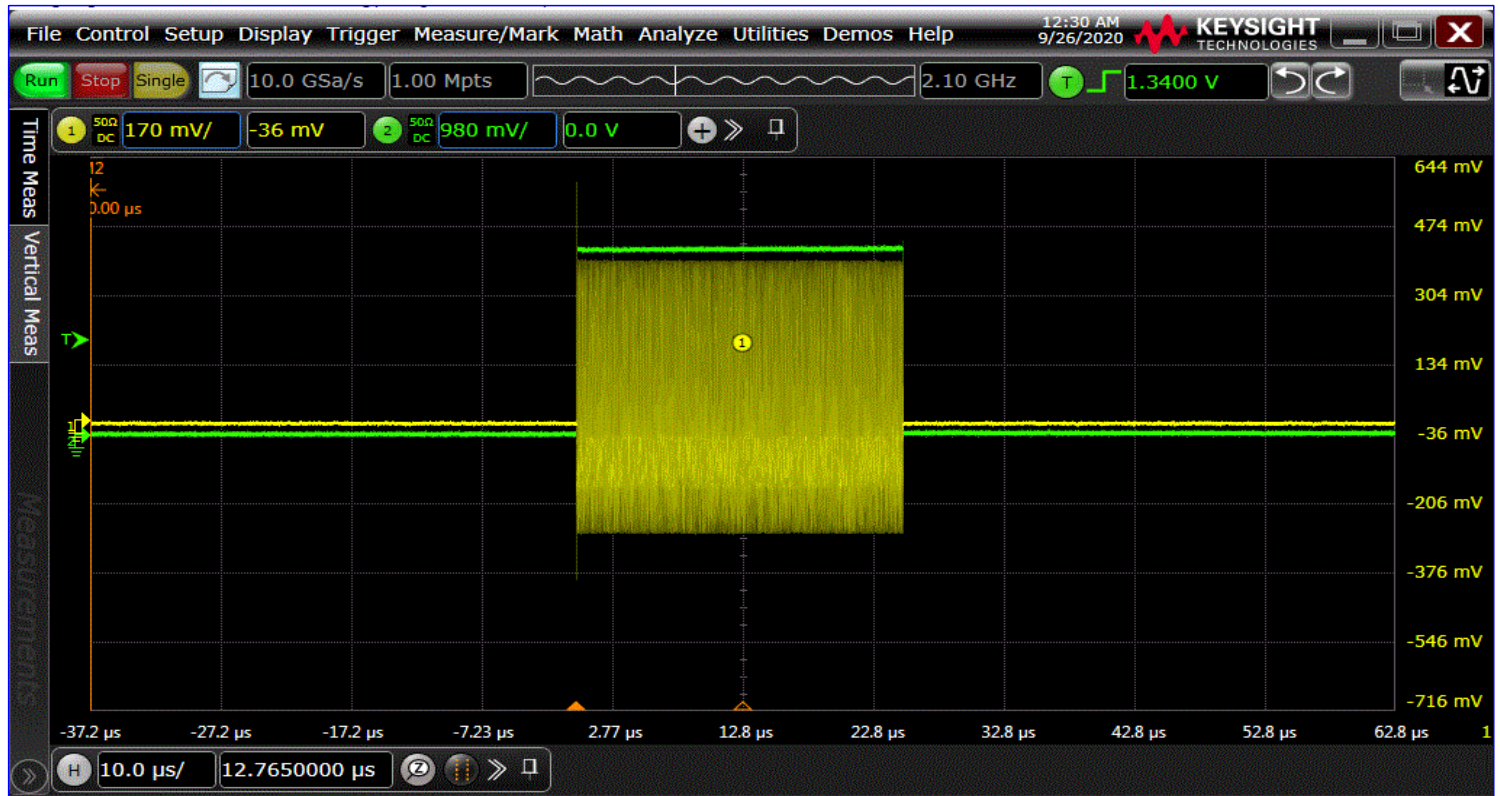
Recovery Time +30dBm (1 Watt) @ 150MHz
Pulse (Pw 25 μ s, Duty Cycle 5%, Pulse Rate 2KHz)
50 ns Per Div.
Recovery Time , Measured Value (30.56 ns)



Green Signal = Video Output (Internal Signal Gen)
Yellow Signal = RF

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

Full Pulse Peak Power +30dBm (1 Watt) @ 150MHz
Pulse (Pw 25µs, Duty Cycle 5%, Pulse Rate 2KHz)
10µs Per Div.

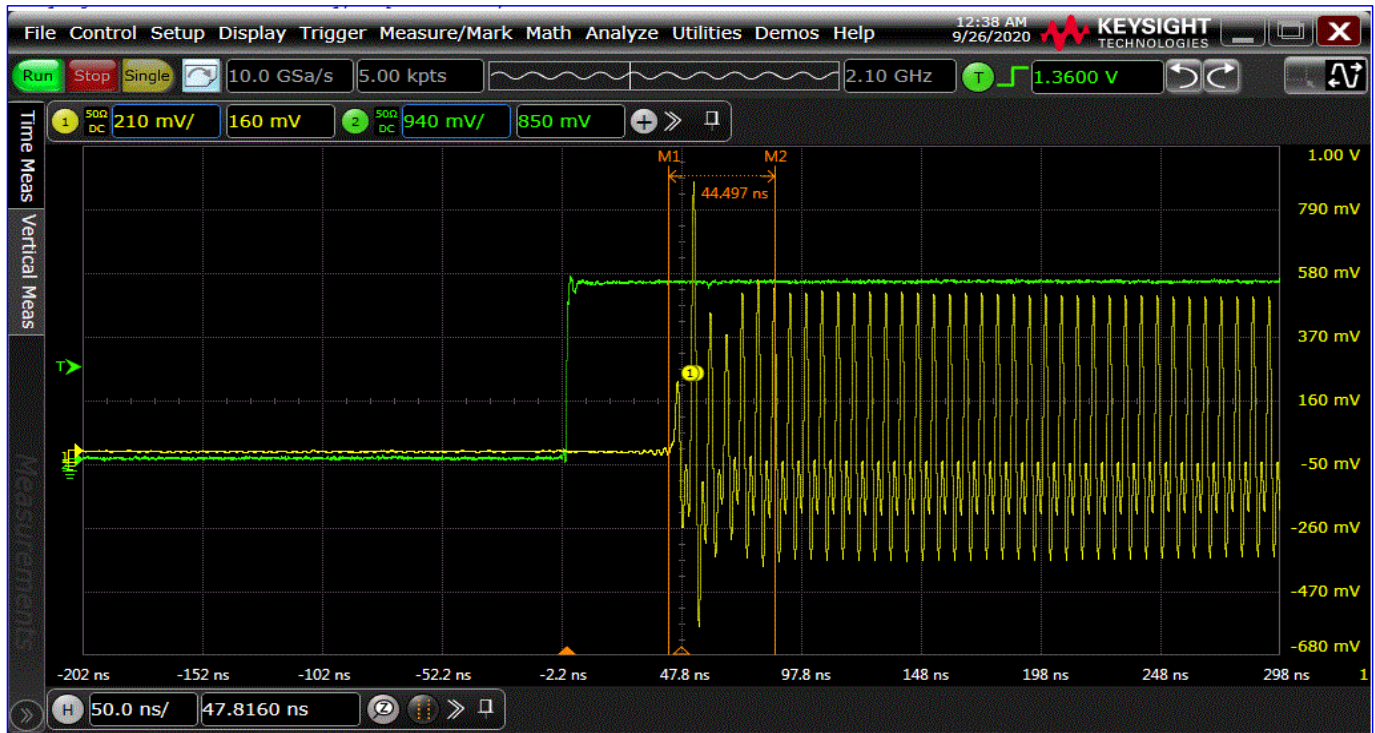


Green Signal = Video Output (Internal Signal Gen)
Yellow Signal = RF

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

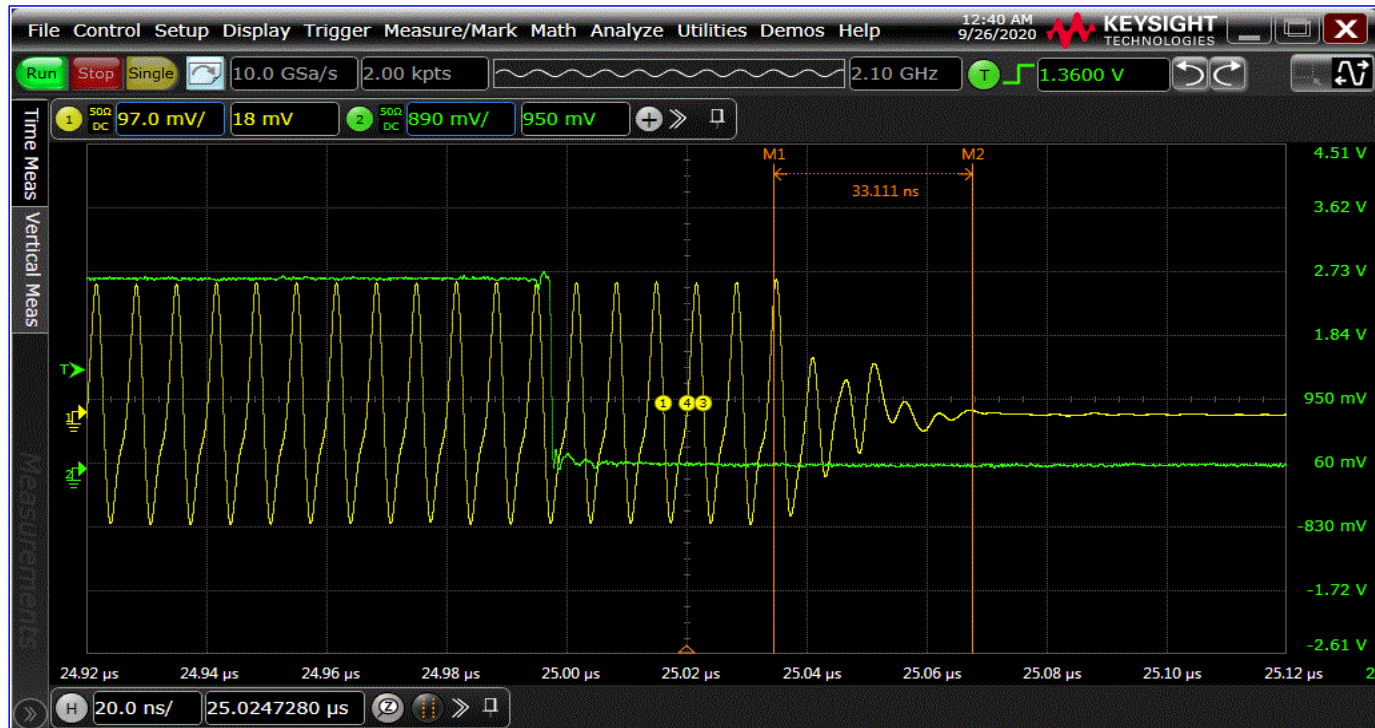
Rise Time +50dBm (100 Watt) @ 150MHz
Pulse (Pw 25 μ s, Duty Cycle 5%, Pulse Rate 2KHz)
50 ns Per Div.

Rise Time , Measured Value (44.50 ns)



Recovery Time +50dBm (100 Watt) @ 150MHz
Pulse (Pw 25 μ s, Duty Cycle 5%, Pulse Rate 2KHz)
20 ns Per Div.

Recovery Time , Measured Value (31.11 ns)



Green Signal = Video Output (Internal Signal Gen)
Yellow Signal = RF

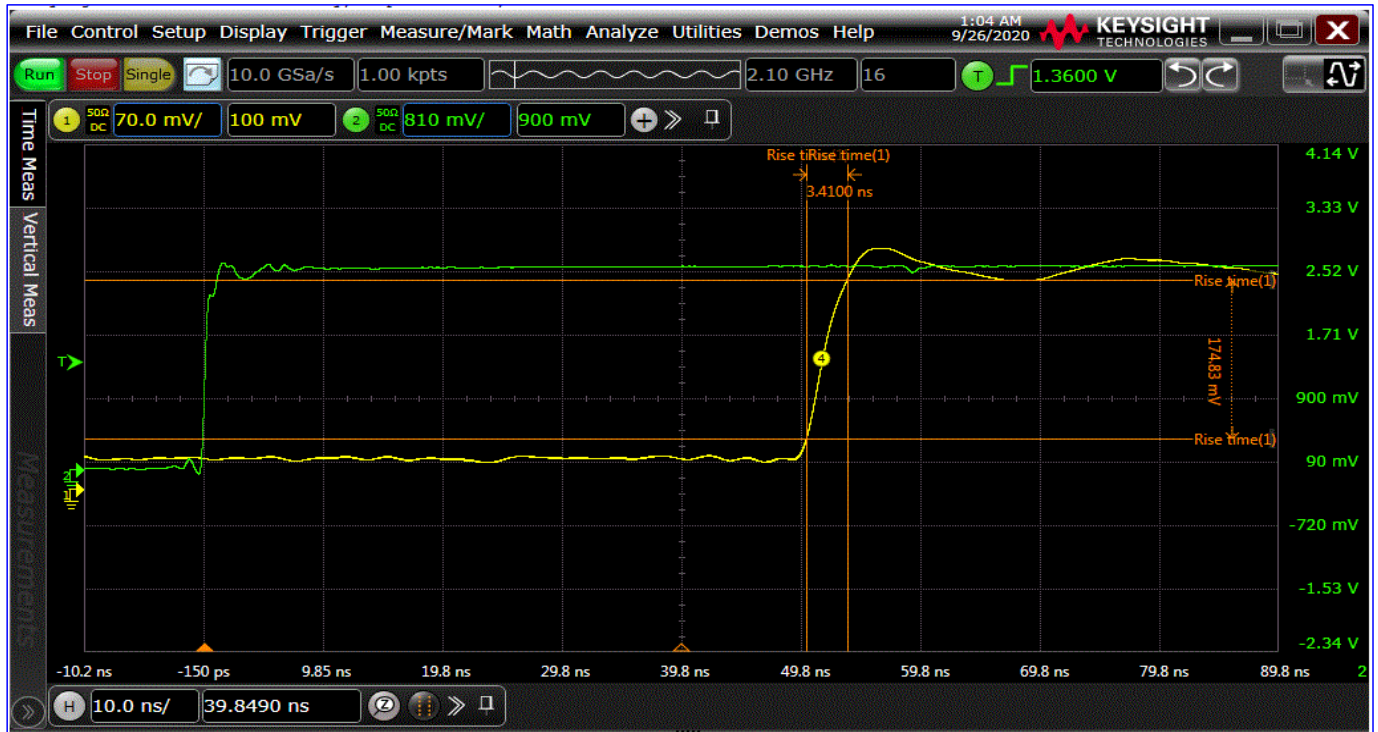
Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

Full Pulse Peak Power +50dBm (100 Watt) @ 150MHz
Pulse (Pw 25μs, Duty Cycle 5%, Pulse Rate 2KHz)
10μs Per Div.



Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

Rise Time +30dBm (1 Watt) @ 2GHz
Pulse (Pw 25 μ s, Duty Cycle 5%, Pulse Rate 2KHz)
10 ns Per Div.
Rise Time , Measured Value (3.41 ns)



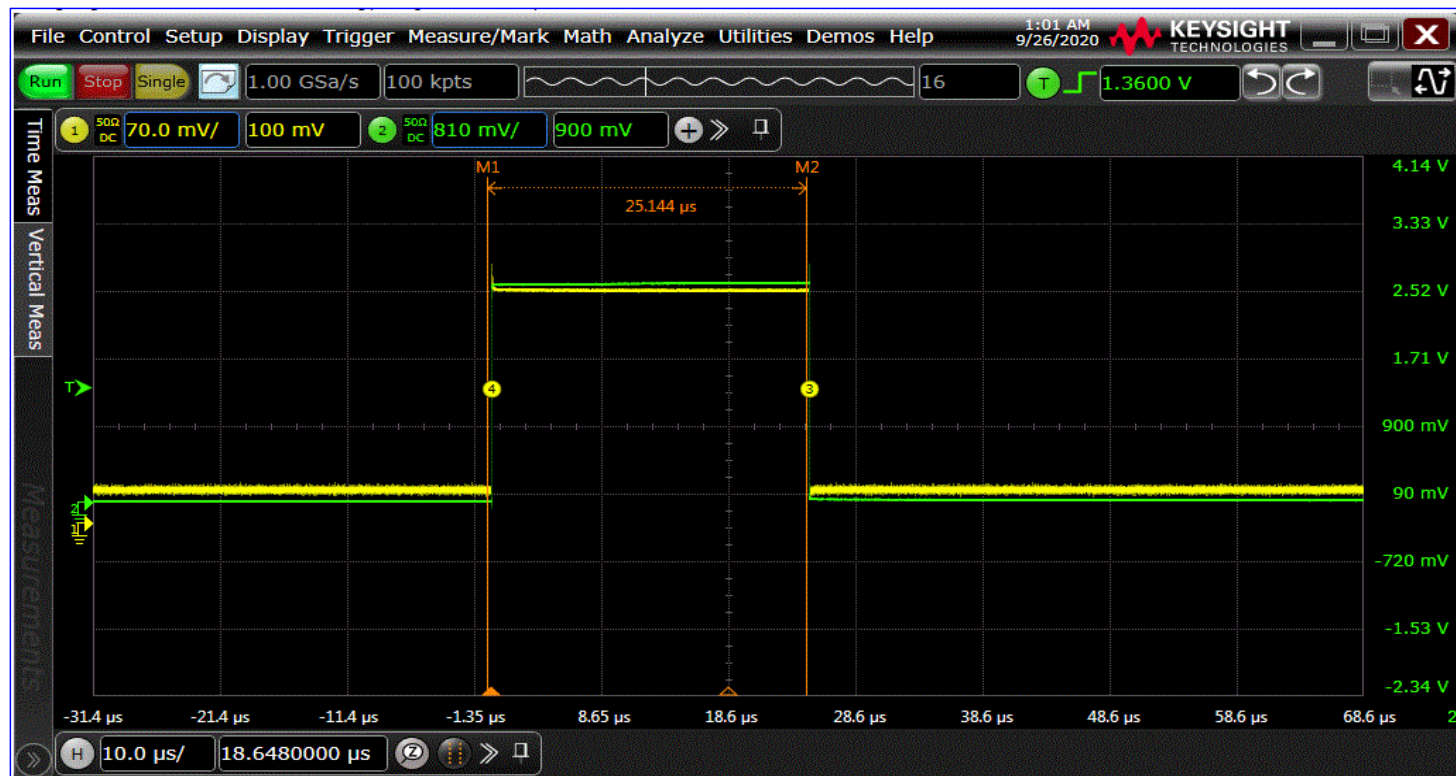
Recovery Time +30dBm (1 Watt) @ 2 GHz
Pulse (Pw 25 μ s, Duty Cycle 5%, Pulse Rate 2KHz)
10 ns Per Div.
Recovery Time , Measured Value (20.11 ns)



Green Signal = Video Output (Internal Signal Gen)
Yellow Signal = RF

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

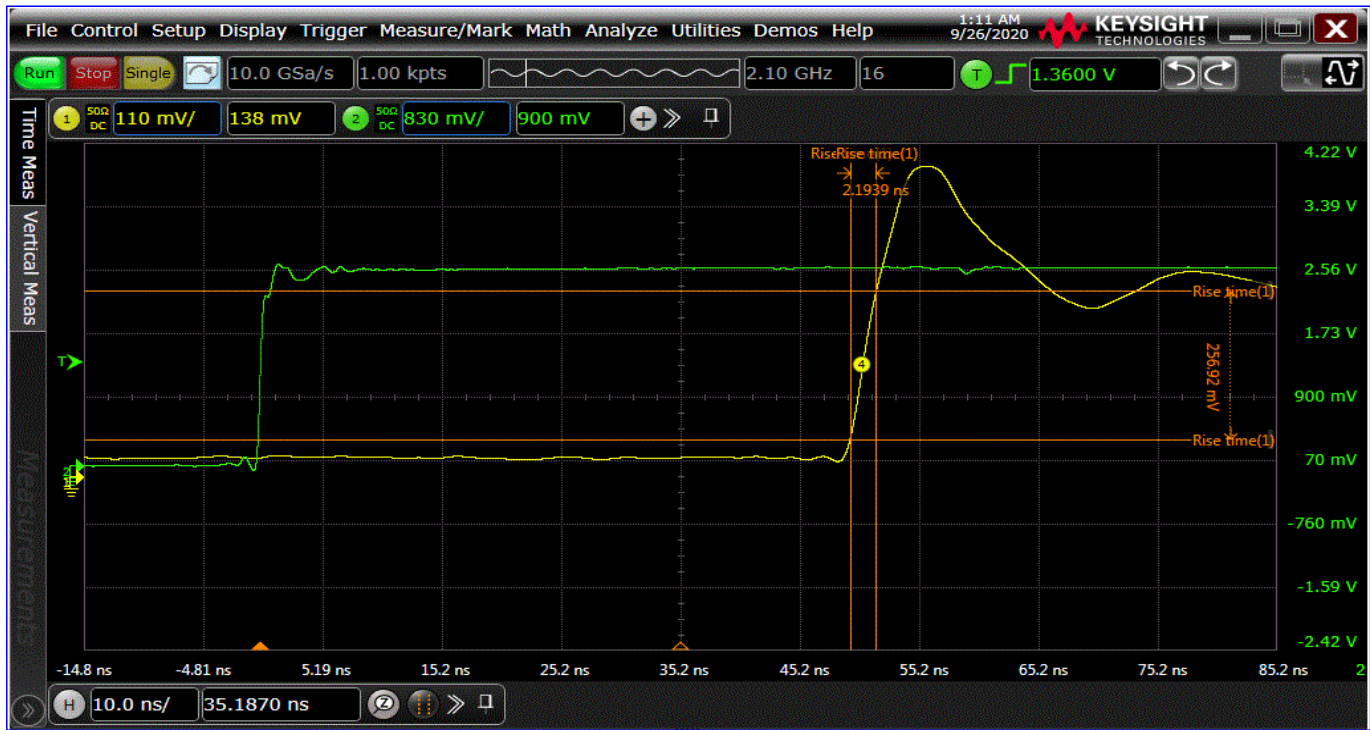
Full Pulse Peak Power +30dBm (1 Watt) @ 2 GHz
Pulse (Pw 25µs, Duty Cycle 5%, Pulse Rate 2KHz)
10µs Per Div.



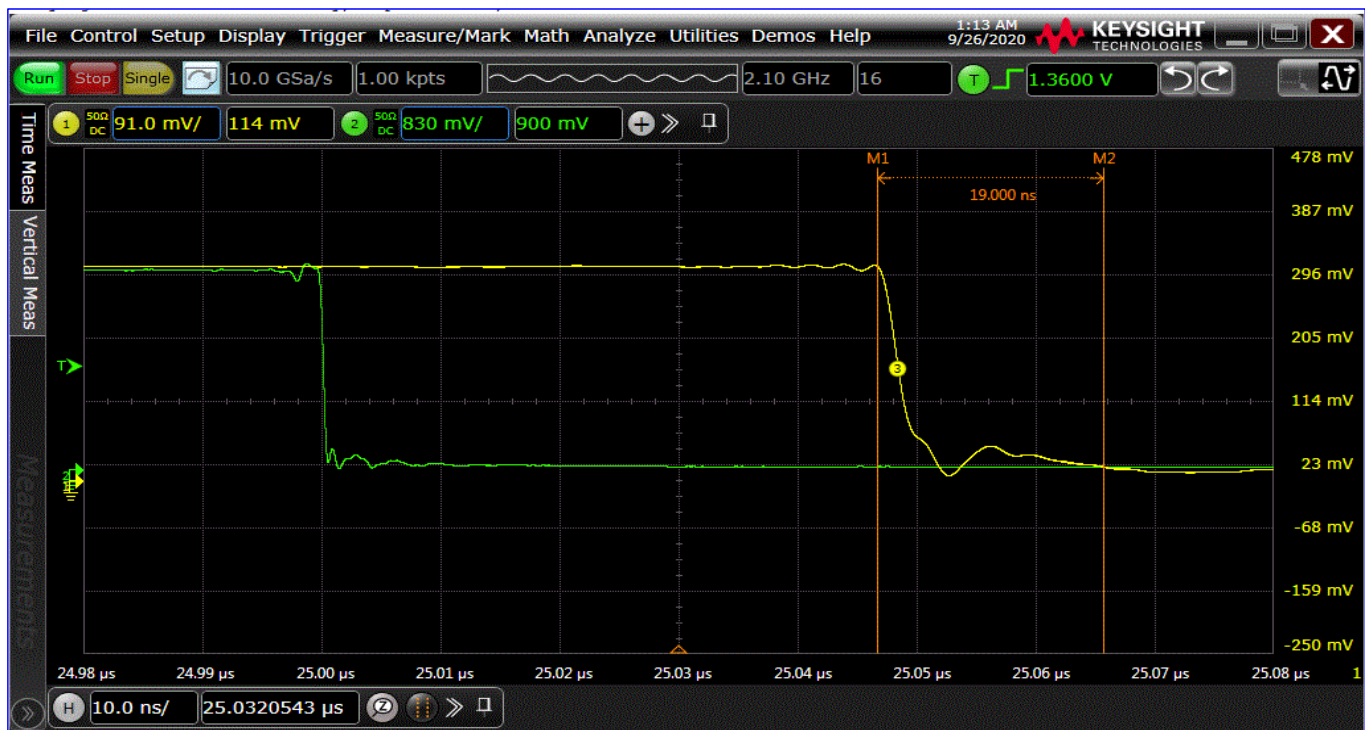
Green Signal = Video Output (Internal Signal Gen)
Yellow Signal = RF

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

Rise Time +50dBm (100 Watt) @ 2 GHz
Pulse (Pw 25 μ s, Duty Cycle 5%, Pulse Rate 2KHz)
10 ns Per Div.
Rise Time , Measured Value (2.20 ns)



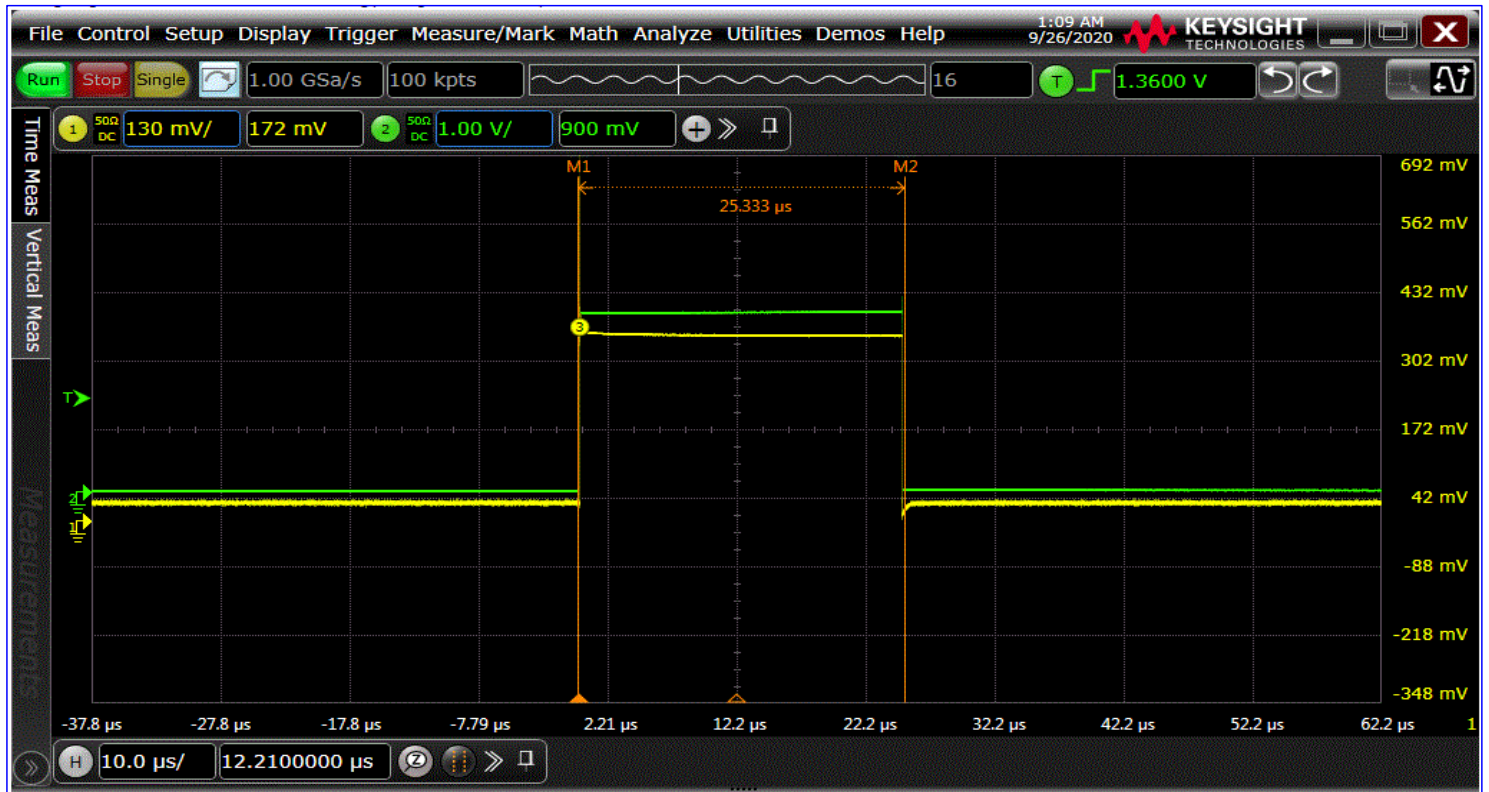
Recovery Time +50dBm (100 Watt) @ 2 GHz
Pulse (Pw 25 μ s, Duty Cycle 5%, Pulse Rate 2KHz)
10 ns Per Div.
Recovery Time , Measured Value (19.00 ns)



Green Signal = Video Output (Internal Signal Gen)
Yellow Signal = RF

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

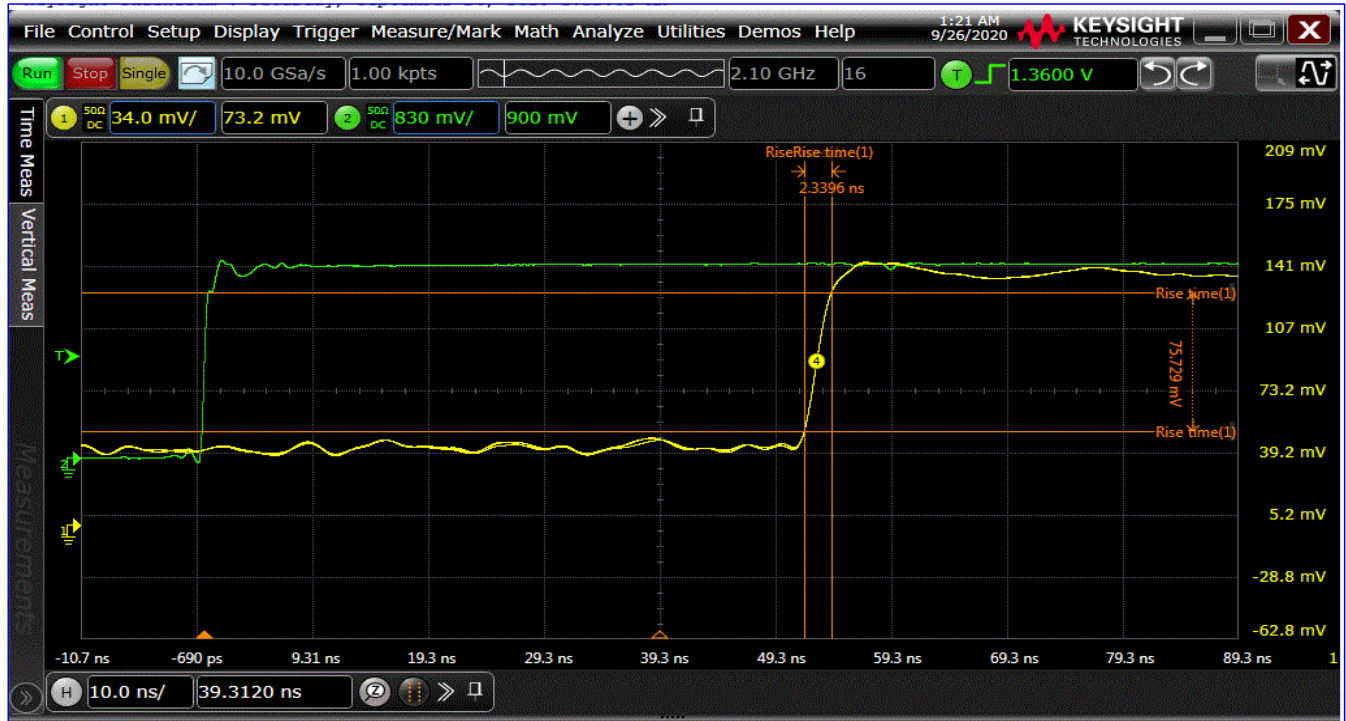
Full Pulse Peak Power +50dBm (100 Watt) @ 2 GHz
Pulse (Pw 25μs, Duty Cycle 5%, Pulse Rate 2KHz)
10μs Per Div.



Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

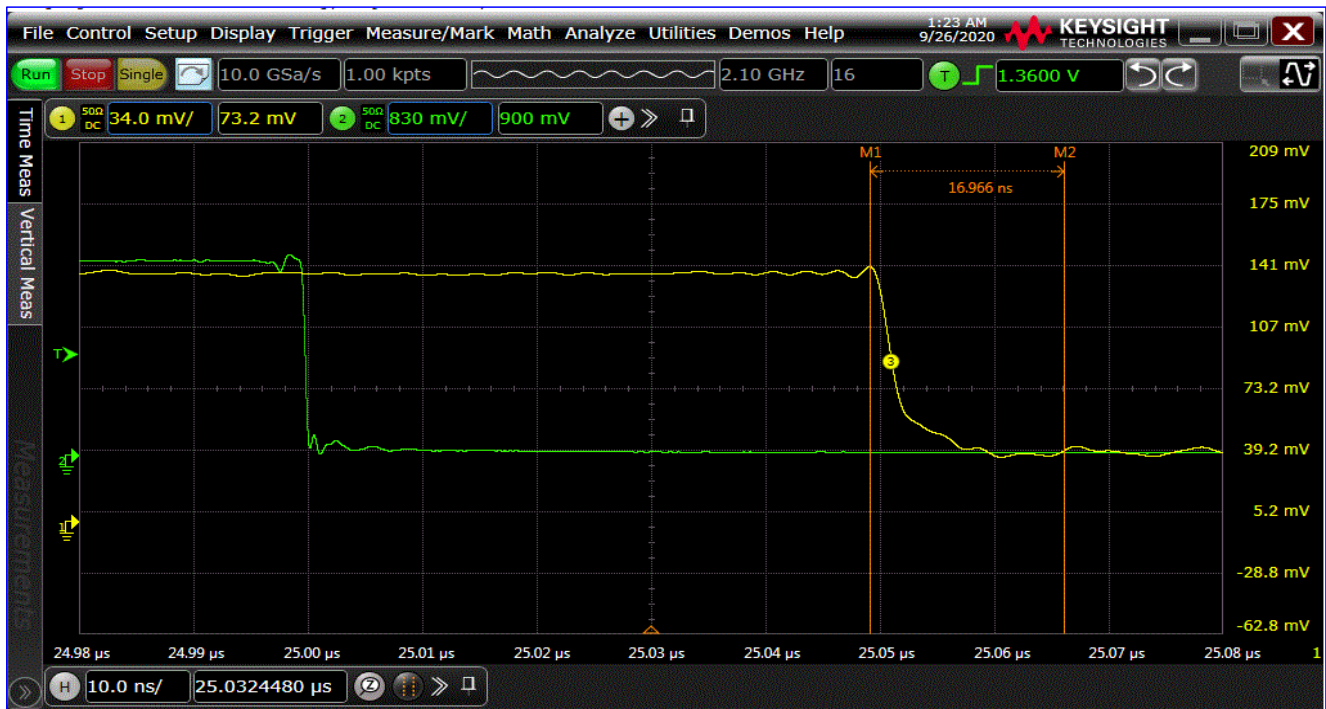
Rise Time +30dBm (1 Watt) @ 5GHz
Pulse (Pw 25μs, Duty Cycle 5%, Pulse Rate 2KHz)
10 ns Per Div.

Rise Time , Measured Value (2.33 ns)



Recovery Time +30dBm (1 Watt) @ 5 GHz
Pulse (Pw 25μs, Duty Cycle 5%, Pulse Rate 2KHz)
10 ns Per Div.

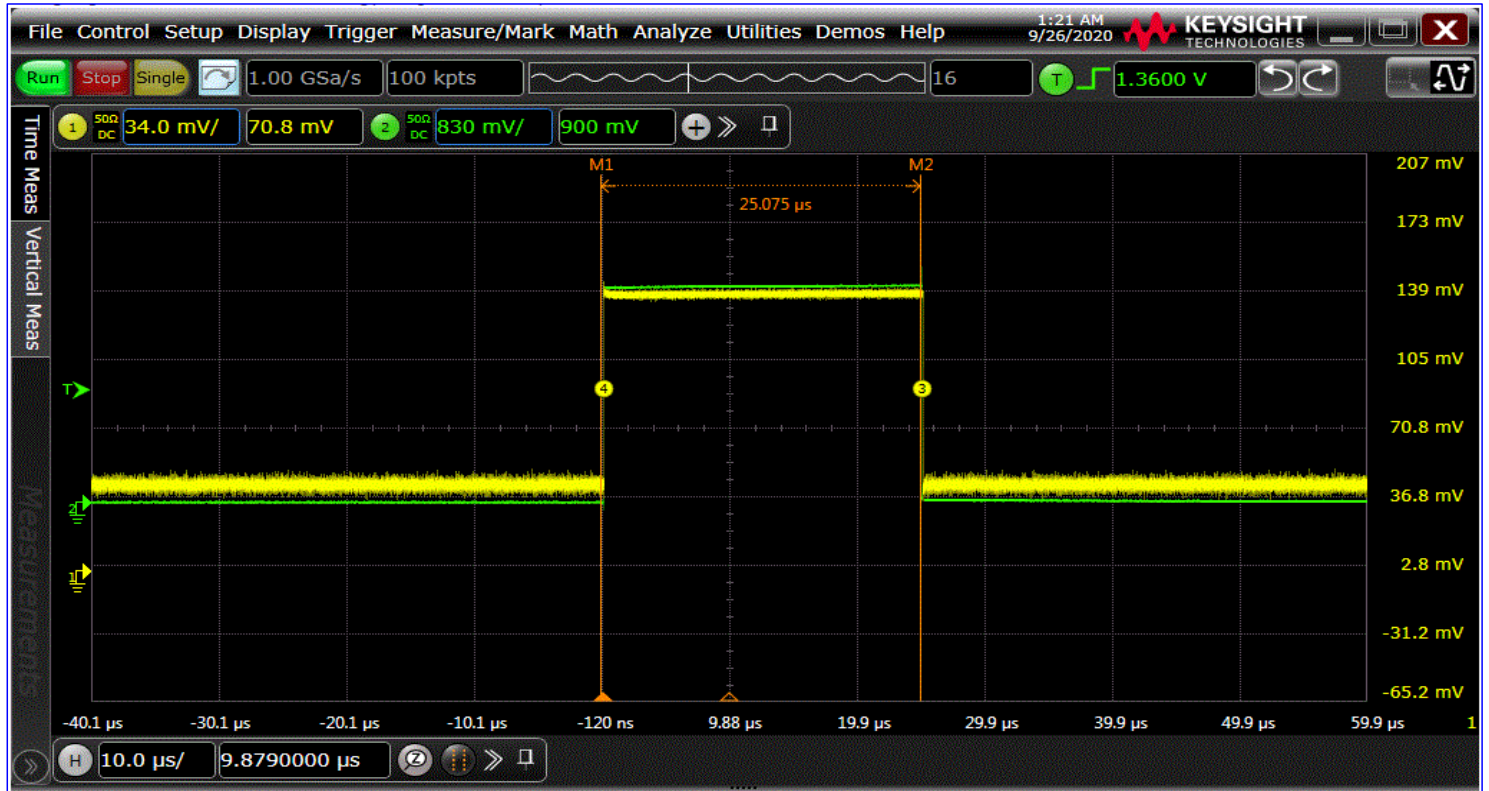
Recovery Time , Measured Value (17.00 ns)



Green Signal = Video Output (Internal Signal Gen)
Yellow Signal = RF

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

Full Pulse Peak Power +30dBm (1 Watt) @ 5 GHz
Pulse (Pw 25µs, Duty Cycle 5%, Pulse Rate 2KHz)
10µs Per Div.

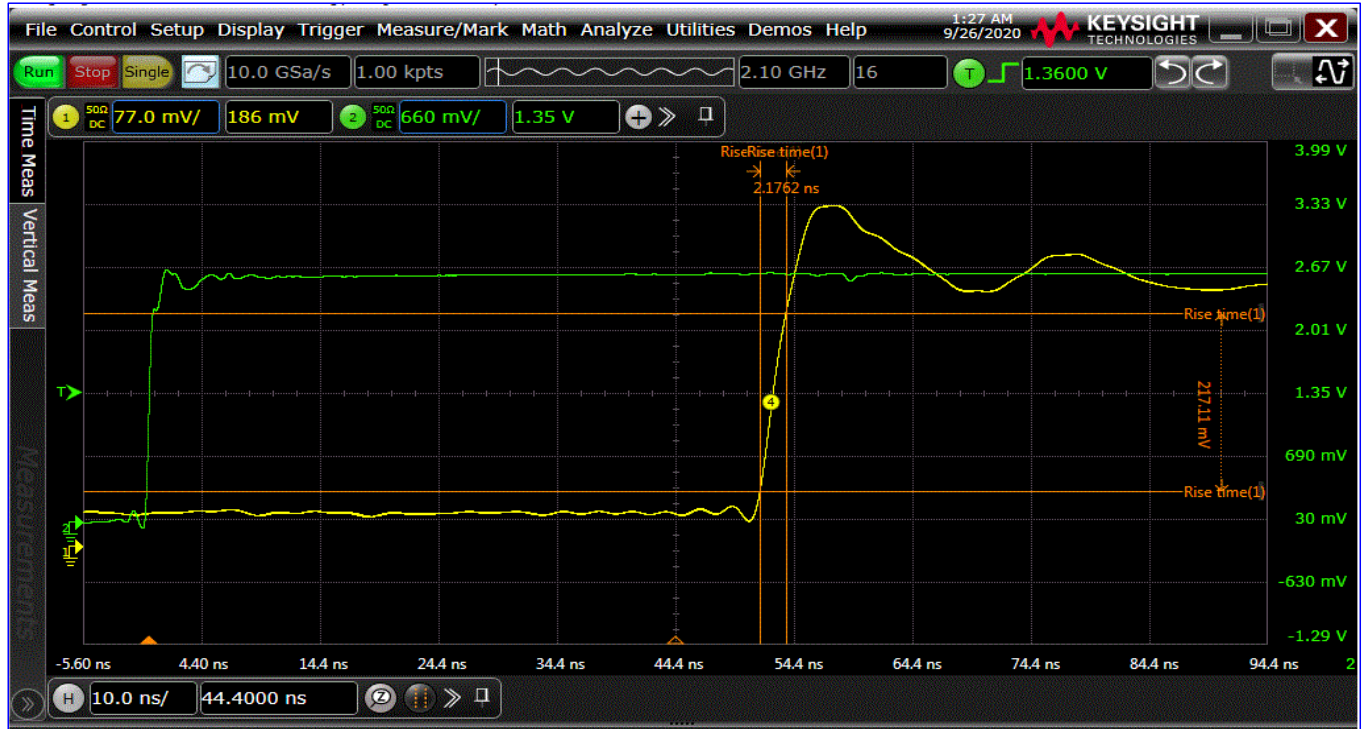


Green Signal = Video Output (Internal Signal Gen)
Yellow Signal = RF

Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

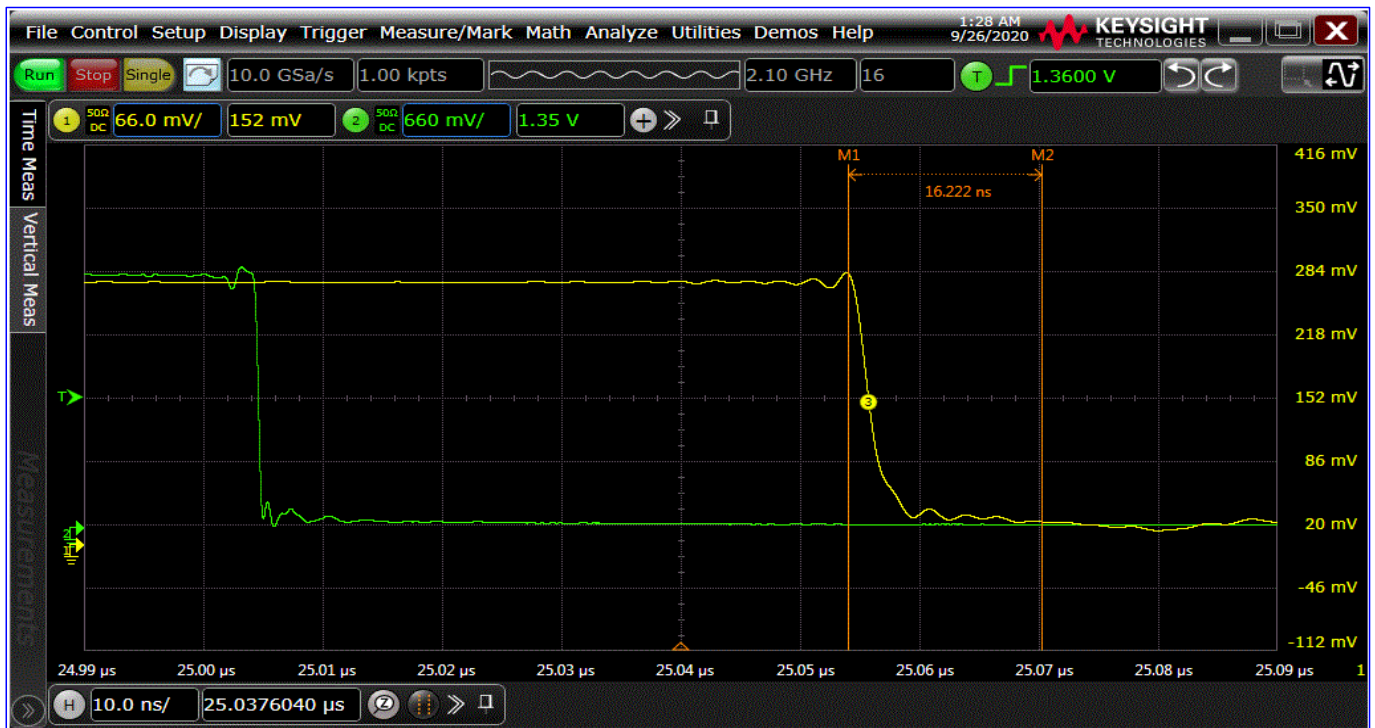
Rise Time +50dBm (100 Watt) @ 5 GHz
Pulse (Pw 25μs, Duty Cycle 5%, Pulse Rate 2KHz)
10 ns Per Div.

Rise Time , Measured Value (2.17 ns)



Recovery Time +50dBm (100 Watt) @ 5 GHz
Pulse (Pw 25μs, Duty Cycle 5%, Pulse Rate 2KHz)
10 ns Per Div.

Recovery Time , Measured Value (16.22 ns)



Typical Characteristics ON LM-150M5G-200CW-2KWPK-AGAL-NFF

Full Pulse Peak Power +50dBm (100 Watt) @ 5 GHz
Pulse (Pw 25 μ s, Duty Cycle 5%, Pulse Rate 2KHz)
10 μ s Per Div.

