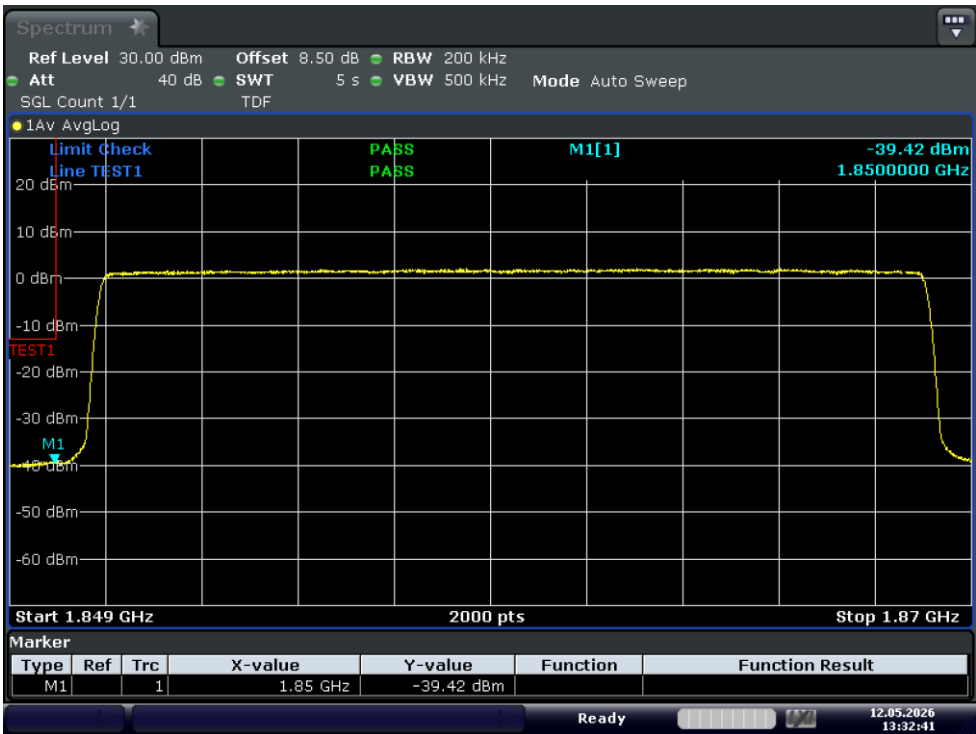




Test_Graph_band2_1860MHz_20M_16QAM_1RB#LOW_Band edge



Test_Graph_band2_1860MHz_20M_QPSK_100RB#LOW_Band edge





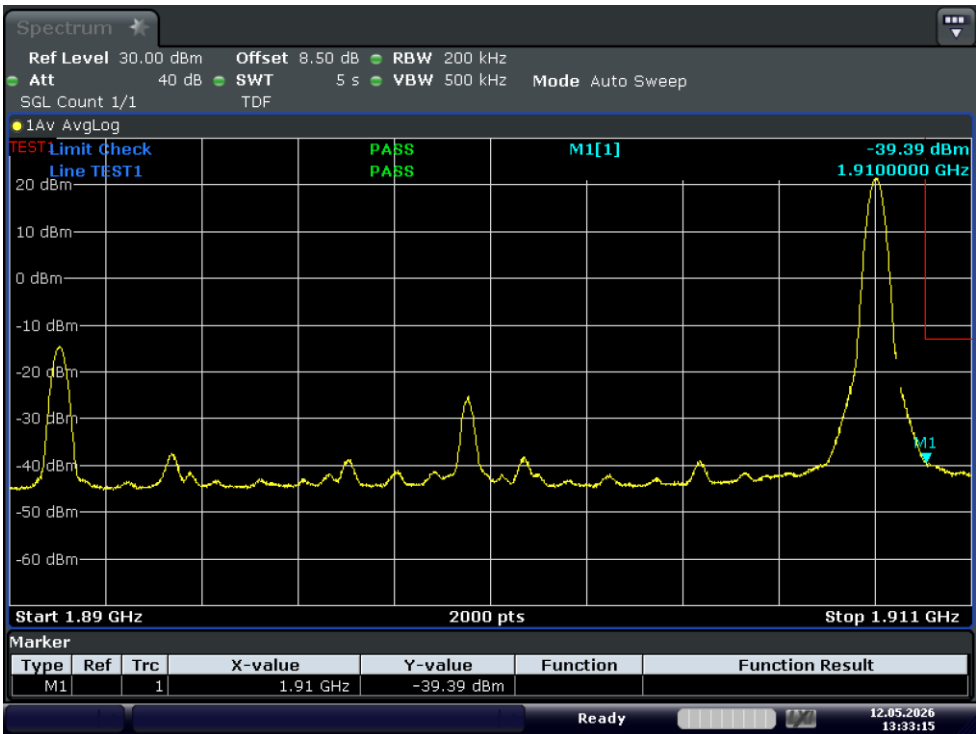
Test_Graph_band2_1860MHz_20M_QPSK_1RB#LOW_Band edge



Test_Graph_band2_1900MHz_20M_16QAM_1RB#HIGH_Band edge



Test_Graph_band2_1900MHz_20M_QPSK_100RB#LOW_Band edge



Test_Graph_band2_1900MHz_20M_QPSK_1RB#HIGH_Band edge



Appendix D: Unwanted spurious emissions at antenna terminals

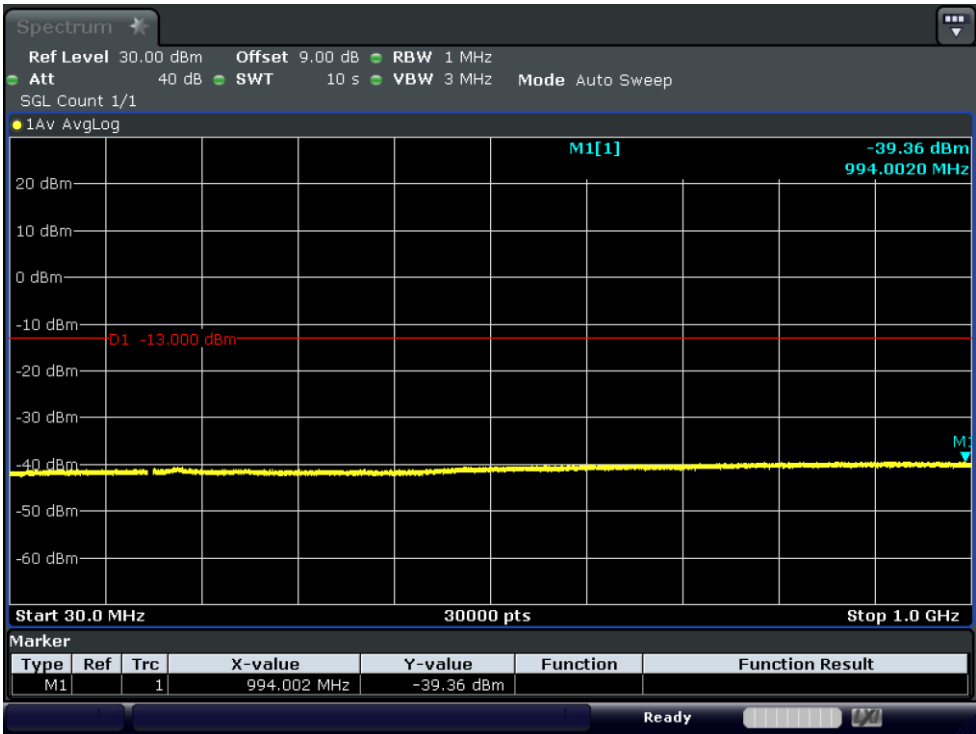
Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
2	1.4	1850.7	QPSK	6	LOW	Pass
2	1.4	1880	QPSK	6	LOW	Pass
2	1.4	1909.3	QPSK	6	LOW	Pass
2	3	1851.5	QPSK	15	LOW	Pass
2	3	1880	QPSK	15	LOW	Pass
2	3	1908.5	QPSK	15	LOW	Pass
2	5	1852.5	QPSK	25	LOW	Pass
2	5	1880	QPSK	25	LOW	Pass
2	5	1907.5	QPSK	25	LOW	Pass
2	10	1855	QPSK	50	LOW	Pass
2	10	1880	QPSK	50	LOW	Pass
2	10	1905	QPSK	50	LOW	Pass
2	15	1857.5	QPSK	75	LOW	Pass
2	15	1880	QPSK	75	LOW	Pass
2	15	1902.5	QPSK	75	LOW	Pass
2	20	1860	QPSK	100	LOW	Pass
2	20	1880	QPSK	100	LOW	Pass
2	20	1900	QPSK	100	LOW	Pass

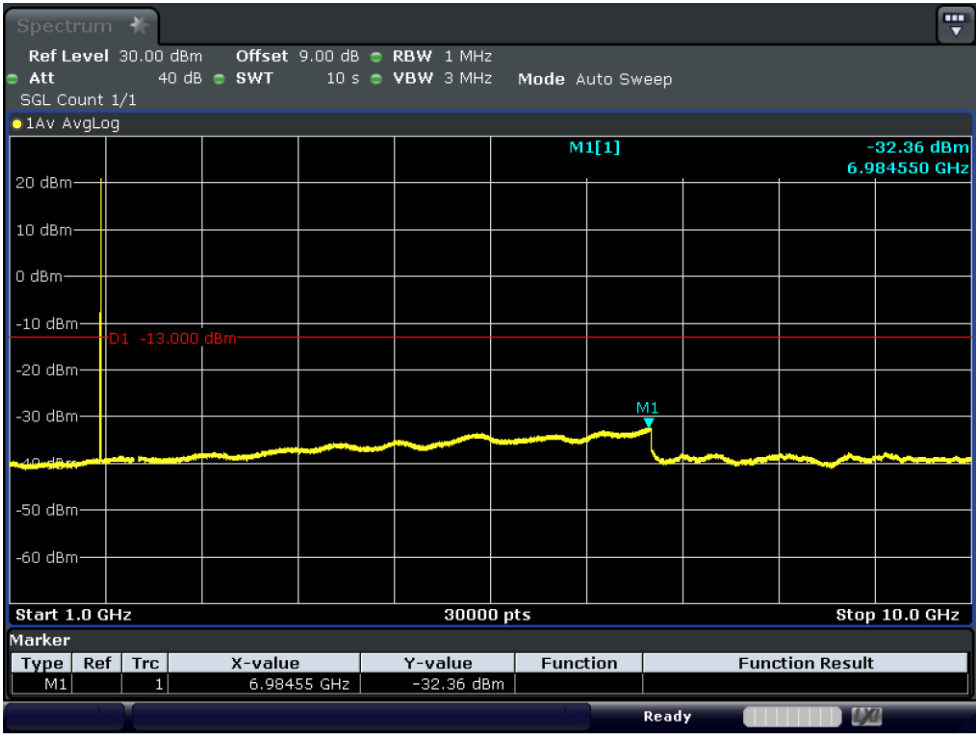
Note: Both QPSK and 16QAM modulation modes were tested. Since the QPSK mode produced the worst-case results, only the corresponding QPSK test results are included in this report.



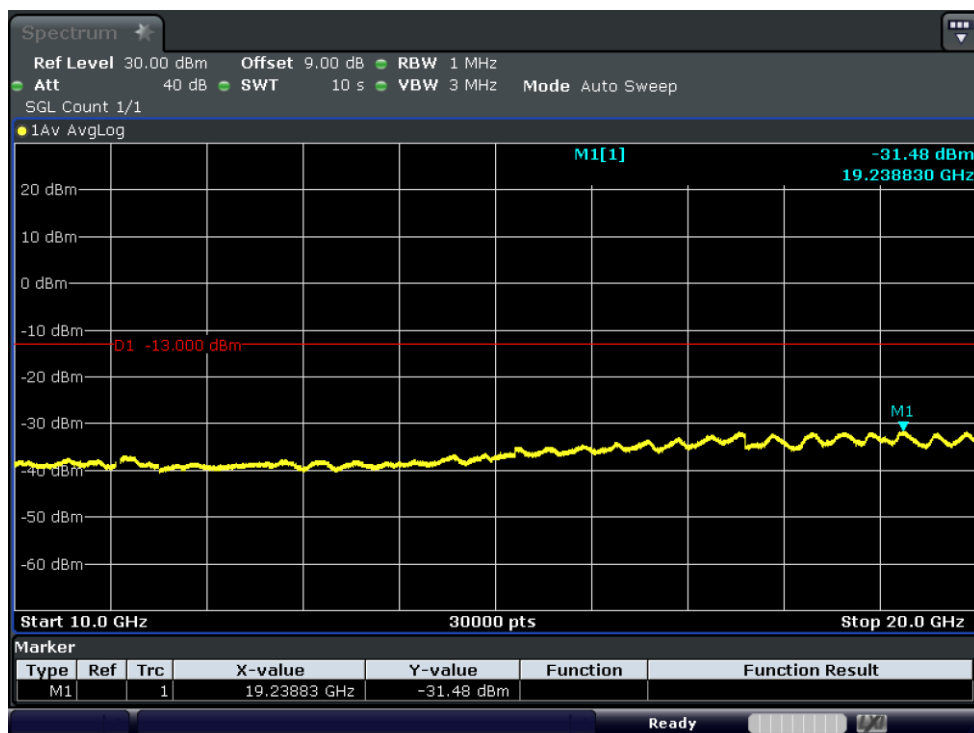
Test Graphs



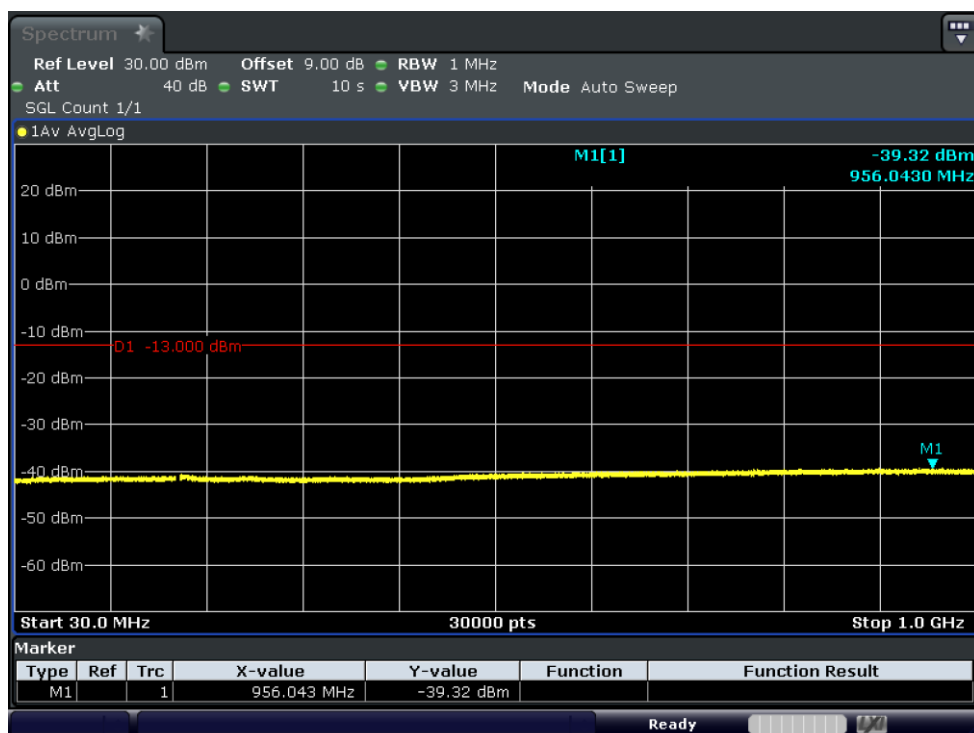
Test_Graph_band2_1850.7MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX



Test_Graph_band2_1850.7MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX

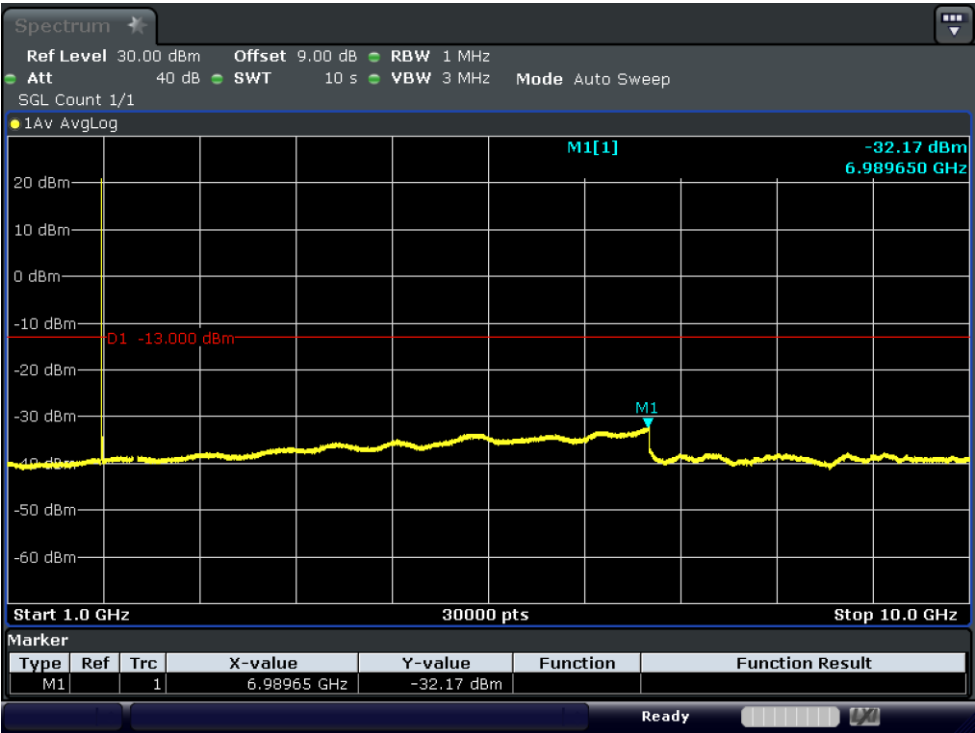


Test_Graph_band2_1850.7MHz_1.4M_QPSK_6RB#LOW_10G_20.0G_TX

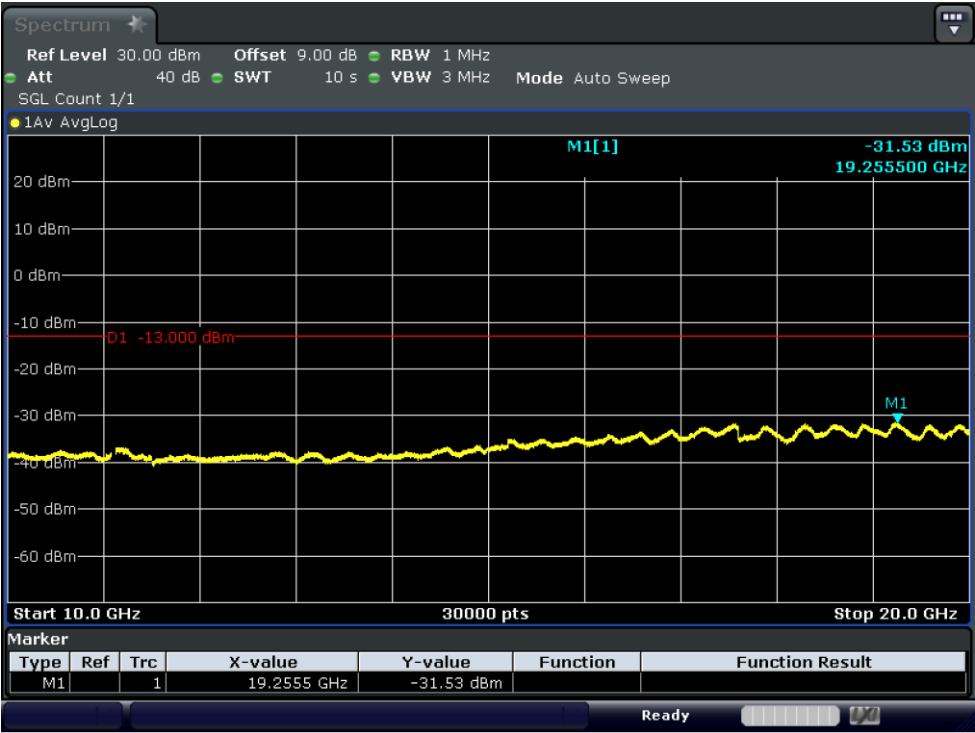


Test_Graph_band2_1880MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX



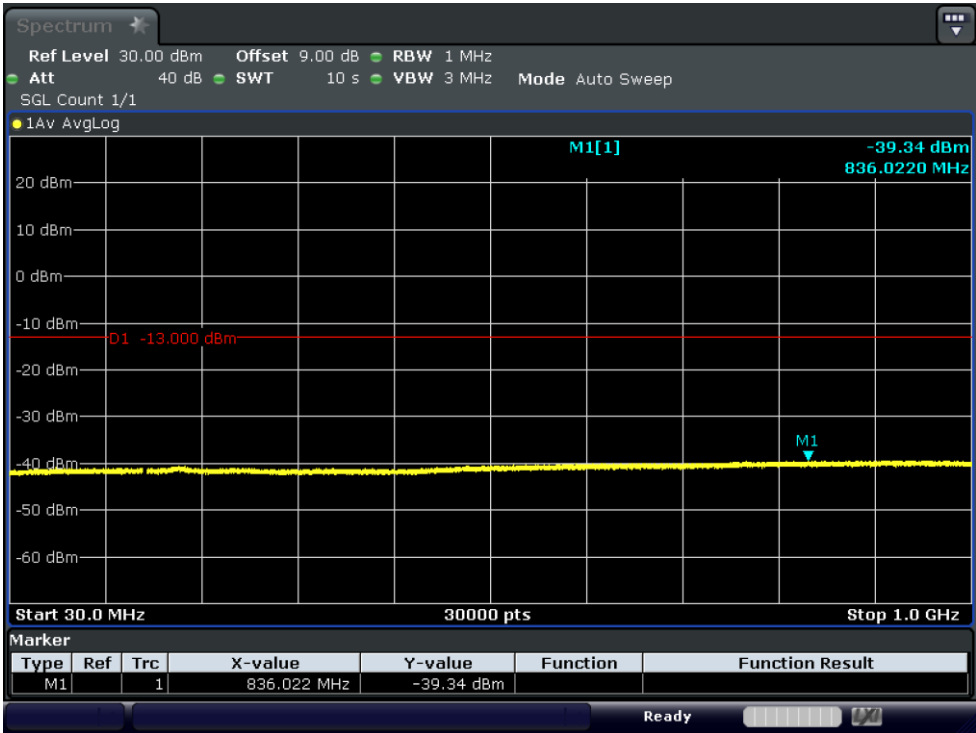


Test_Graph_band2_1880MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX

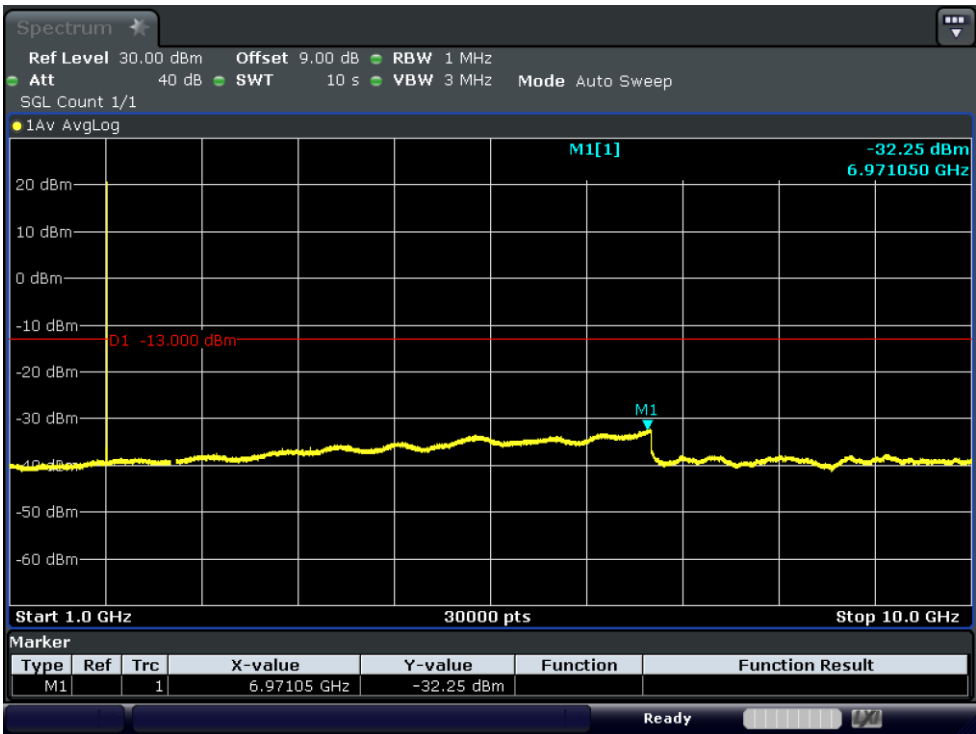


Test_Graph_band2_1880MHz_1.4M_QPSK_6RB#LOW_10G_20.0G_TX

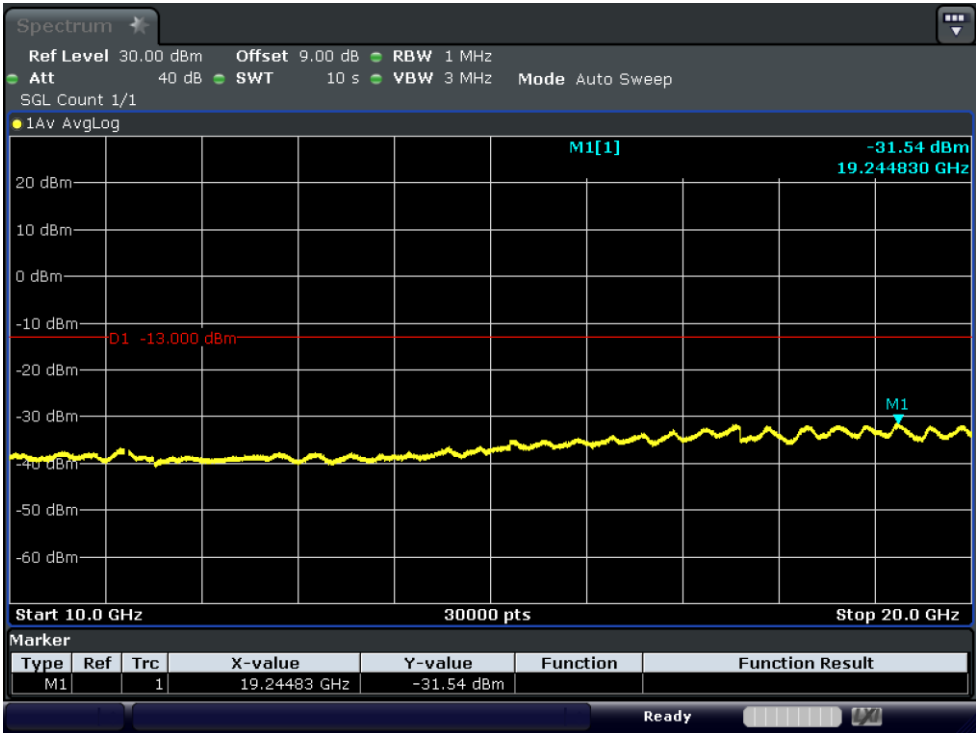




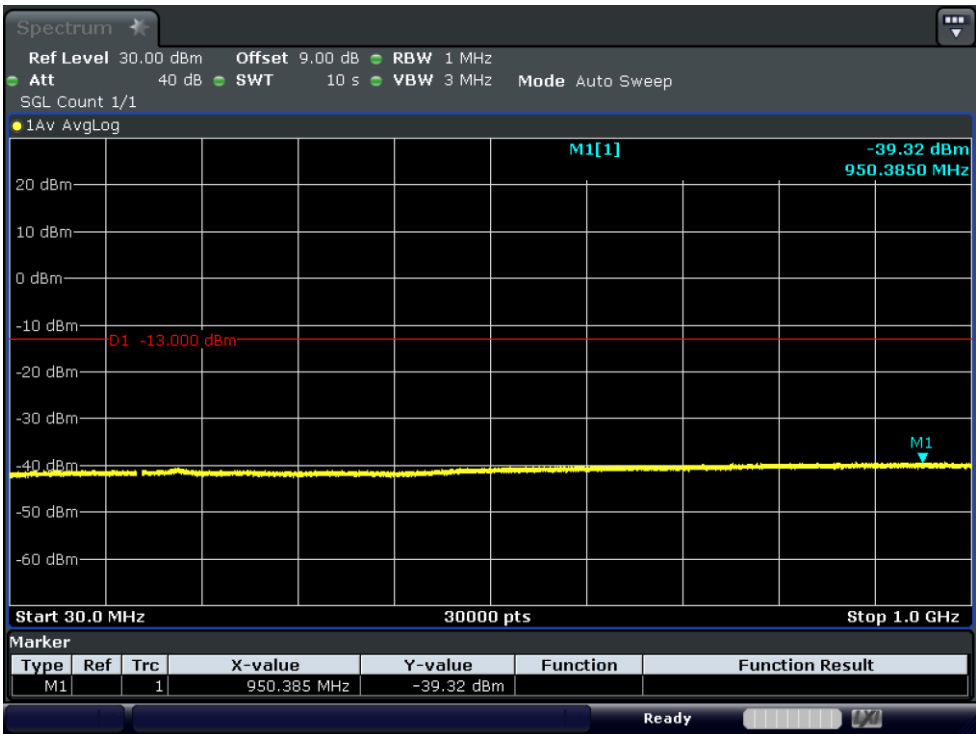
Test_Graph_band2_1909.3MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX



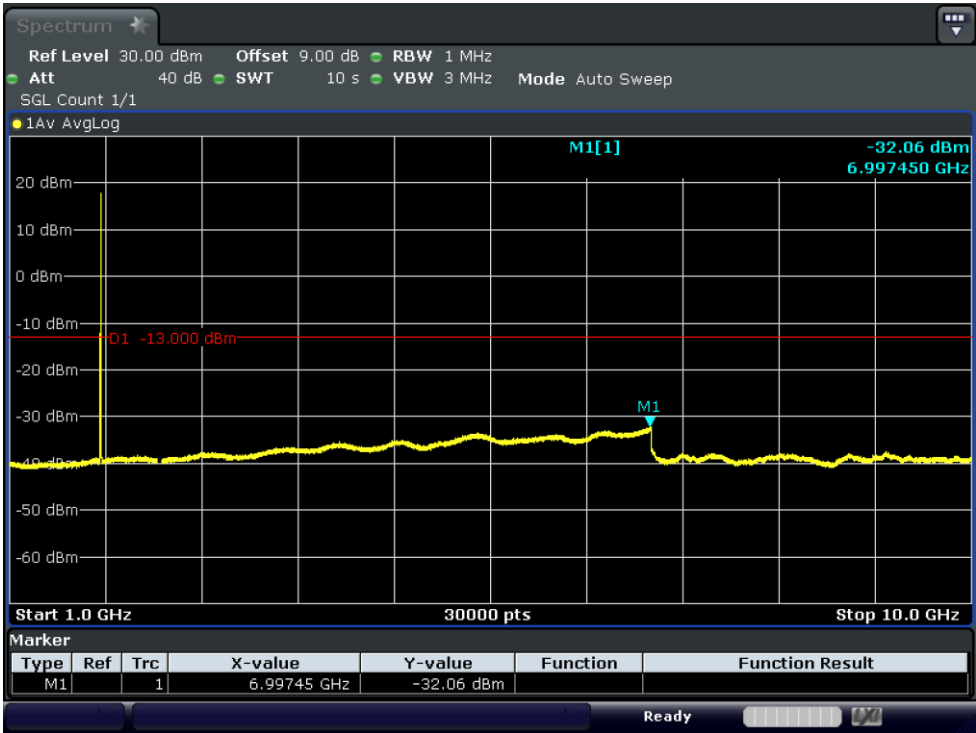
Test_Graph_band2_1909.3MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX



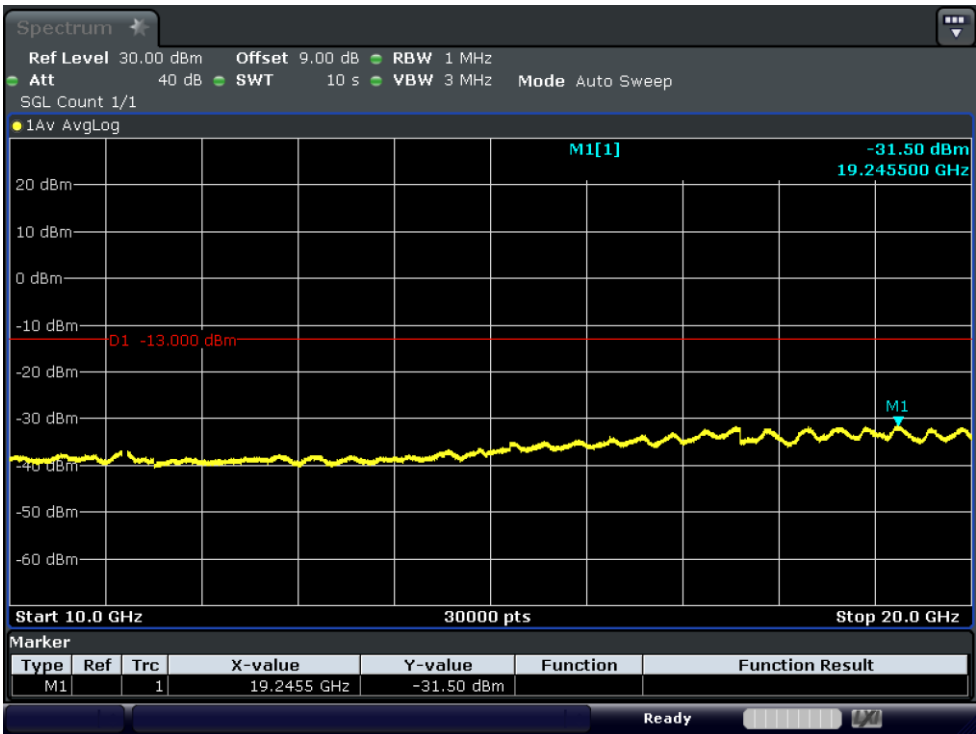
Test_Graph_band2_1909.3MHz_1.4M_QPSK_6RB#LOW_10G_20.0G_TX



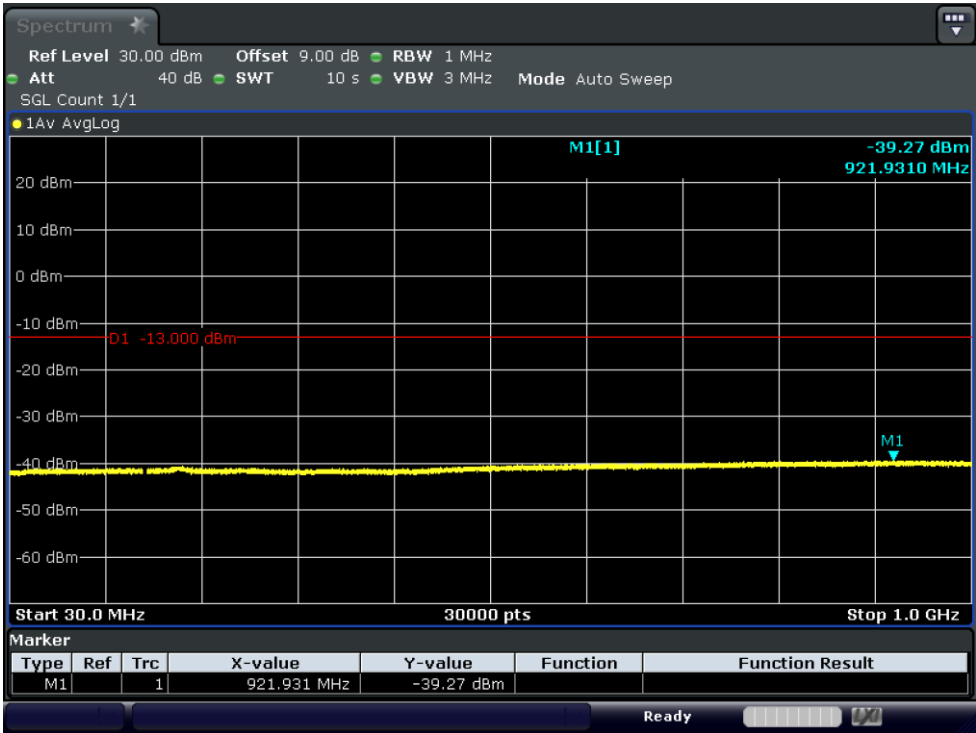
Test_Graph_band2_1851.5MHz_3M_QPSK_15RB#LOW_30M_1G_TX



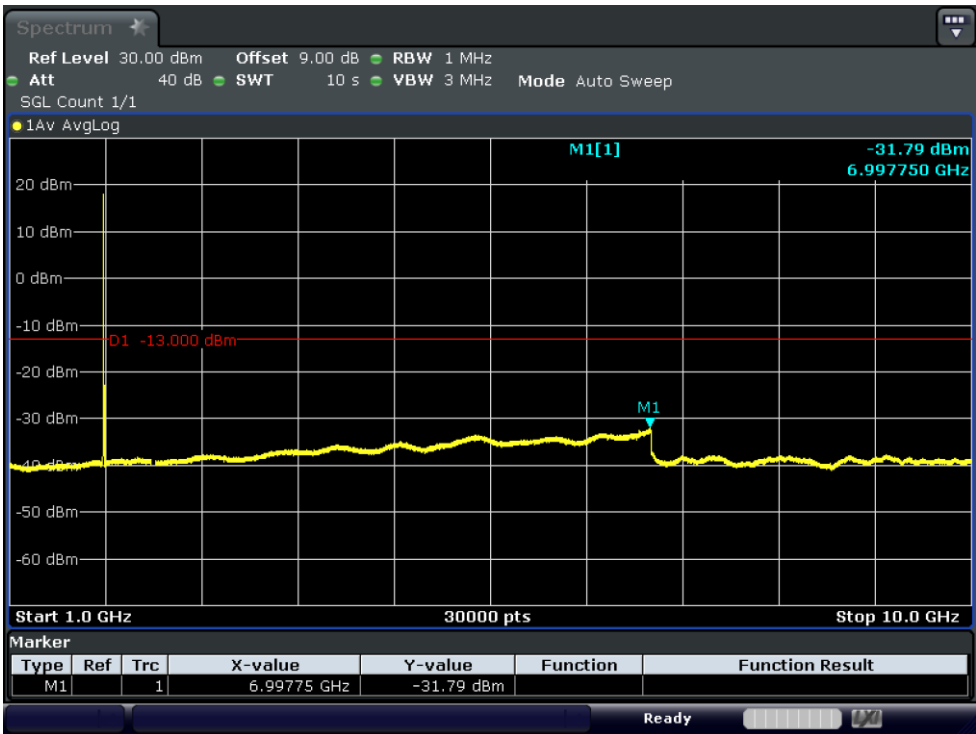
Test_Graph_band2_1851.5MHz_3M_QPSK_15RB#LOW_1G_10G_TX



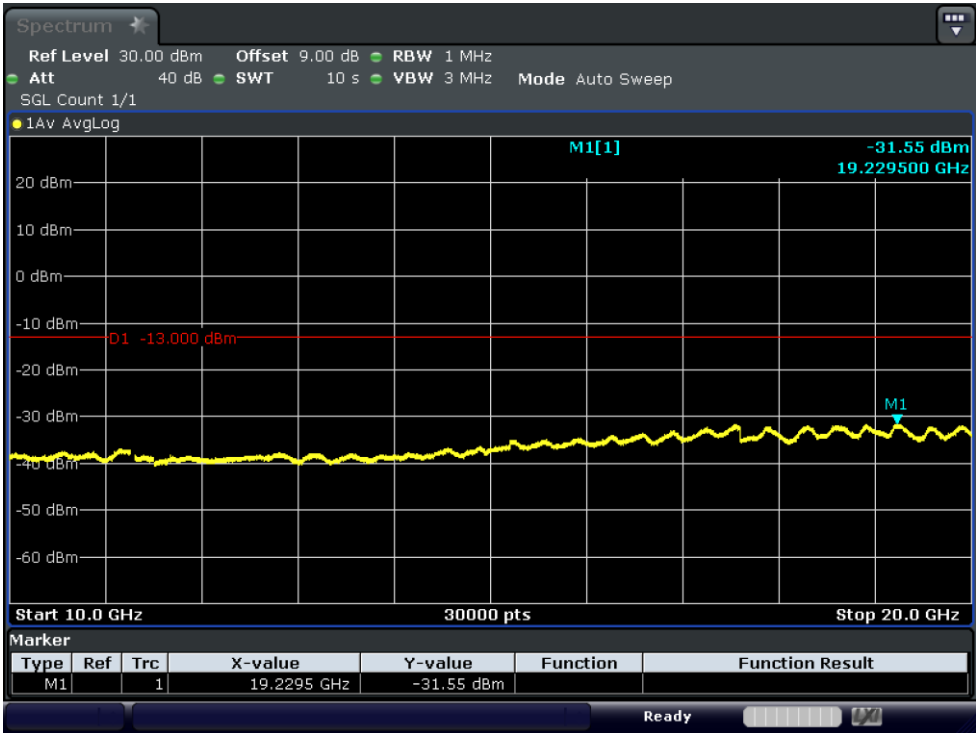
Test_Graph_band2_1851.5MHz_3M_QPSK_15RB#LOW_10G_20.0G_TX



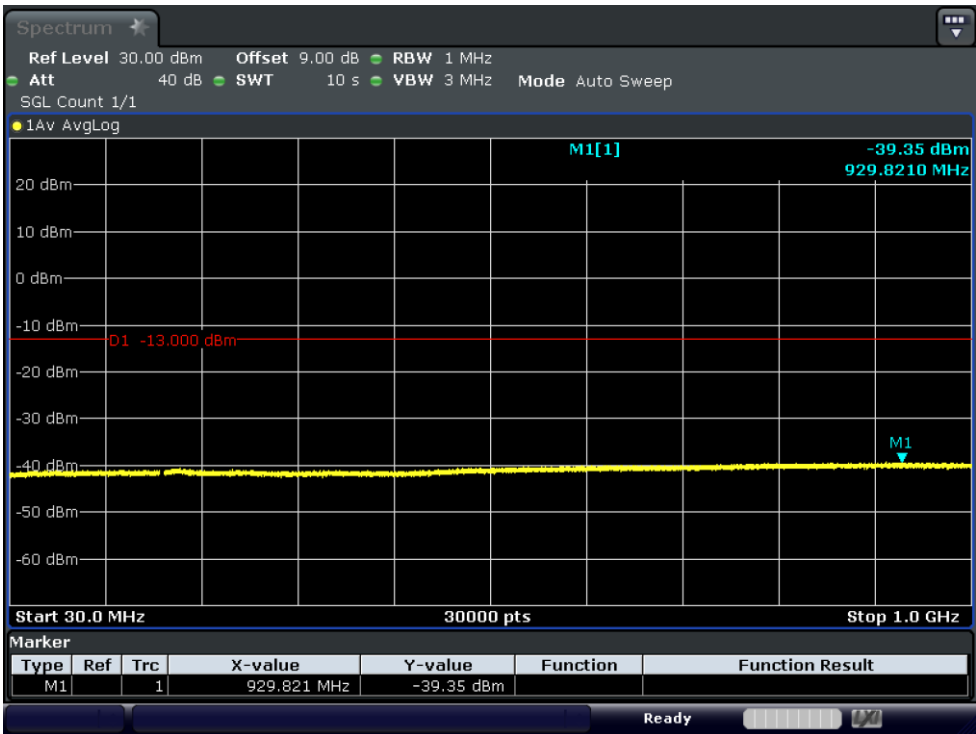
Test_Graph_band2_1880MHz_3M_QPSK_15RB#LOW_30M_1G_TX



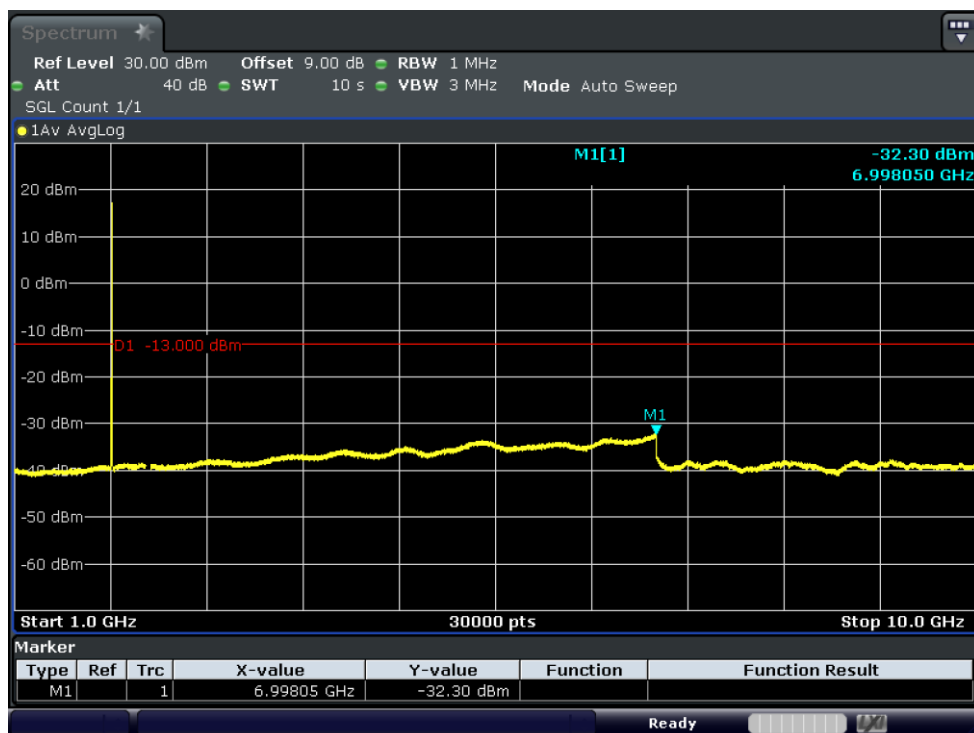
Test_Graph_band2_1880MHz_3M_QPSK_15RB#LOW_1G_10G_TX



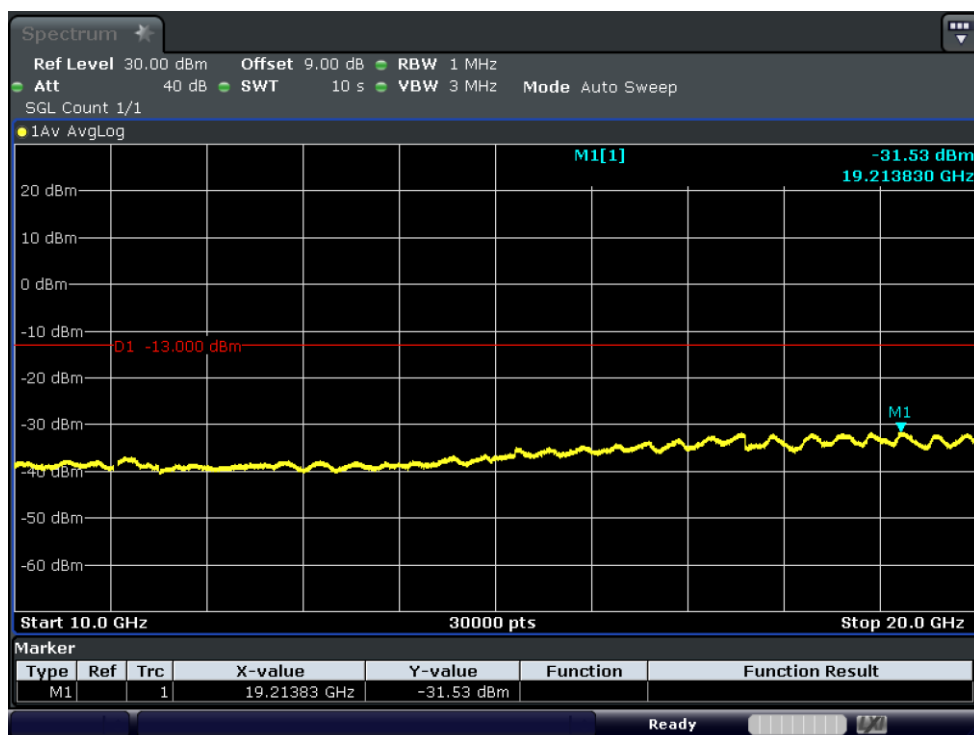
Test_Graph_band2_1880MHz_3M_QPSK_15RB#LOW_10G_20.0G_TX



Test_Graph_band2_1908.5MHz_3M_QPSK_15RB#LOW_30M_1G_TX

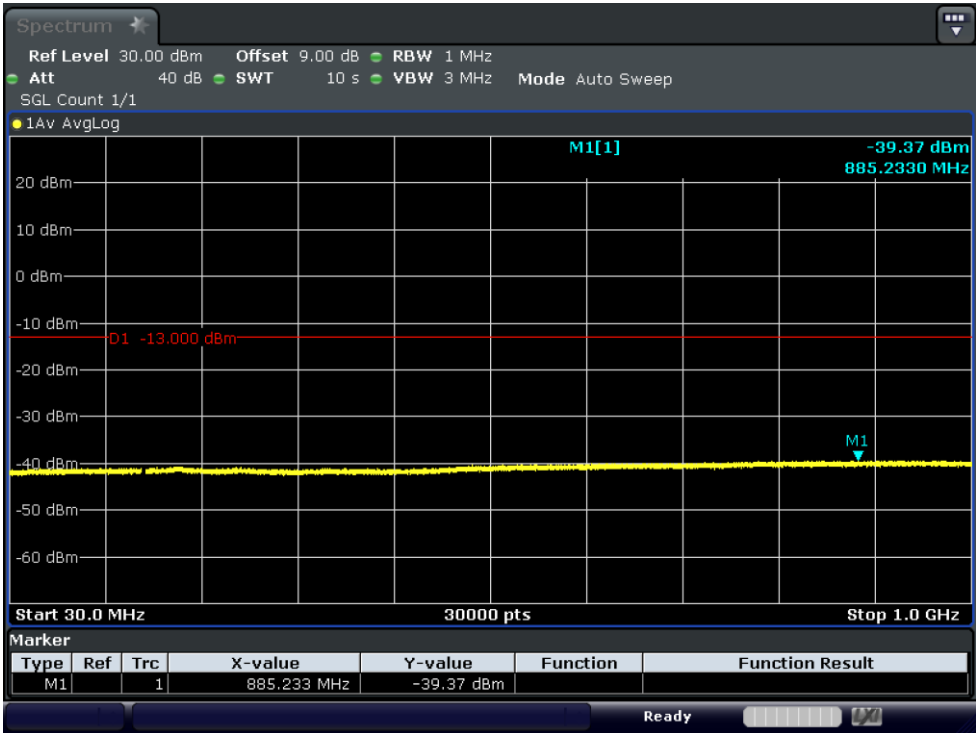


Test_Graph_band2_1908.5MHz_3M_QPSK_15RB#LOW_1G_10G_TX

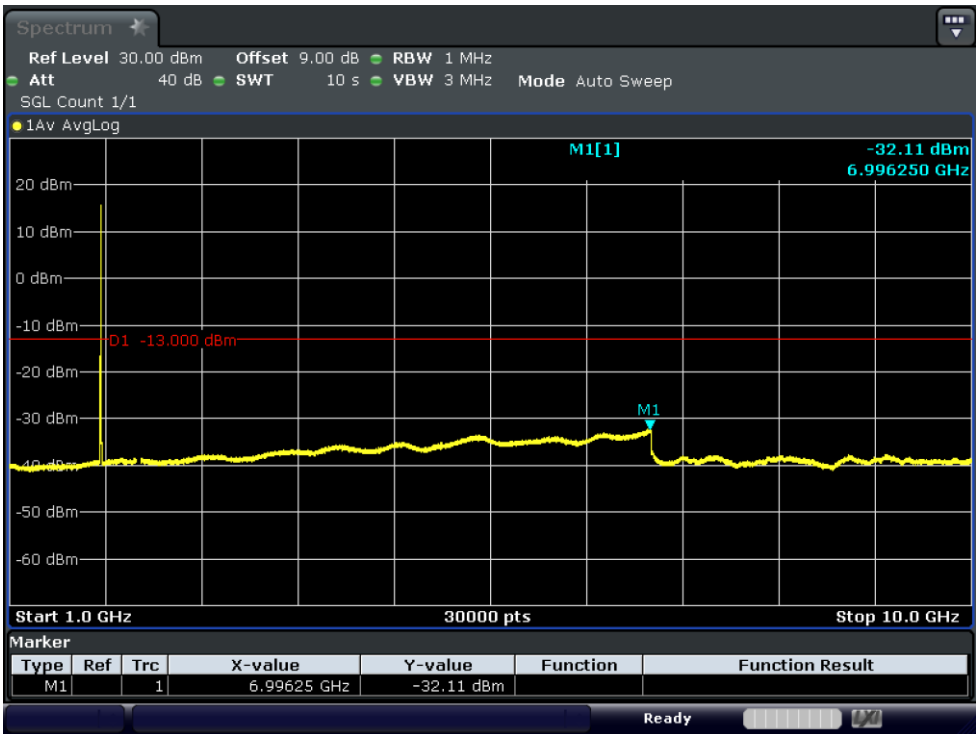


Test_Graph_band2_1908.5MHz_3M_QPSK_15RB#LOW_10G_20.0G_TX

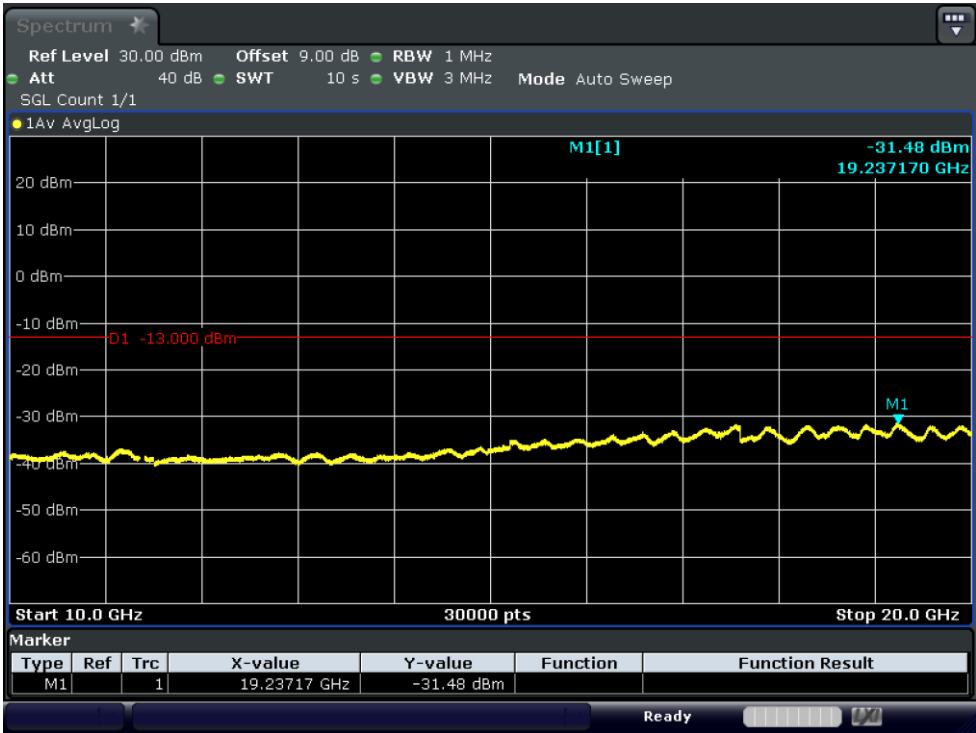




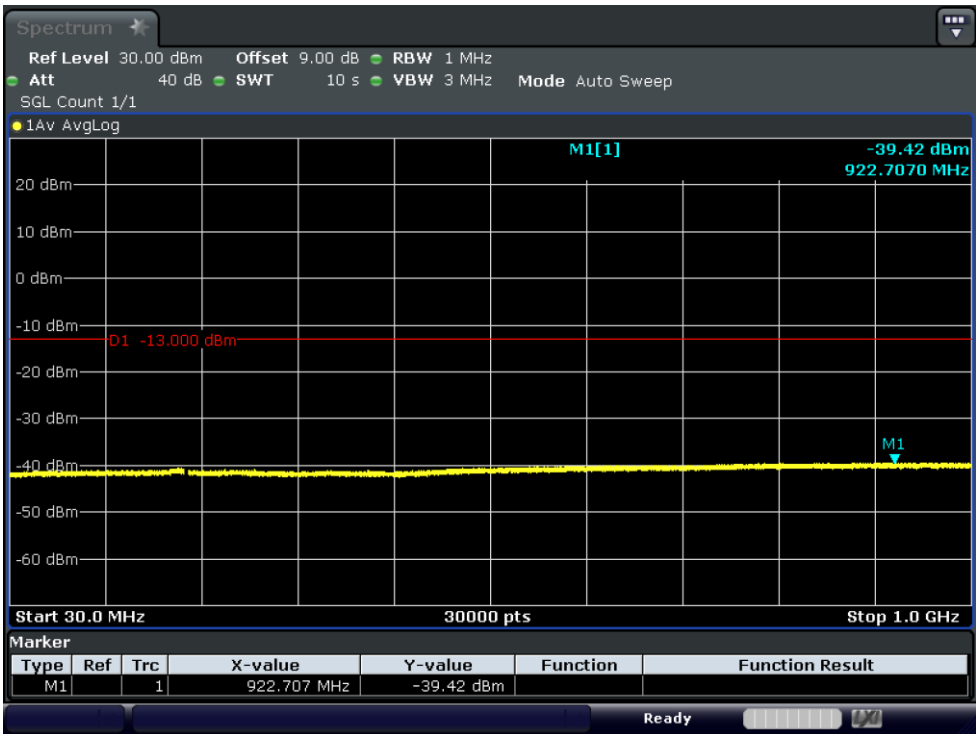
Test_Graph_band2_1852.5MHz_5M_QPSK_25RB#LOW_30M_1G_TX



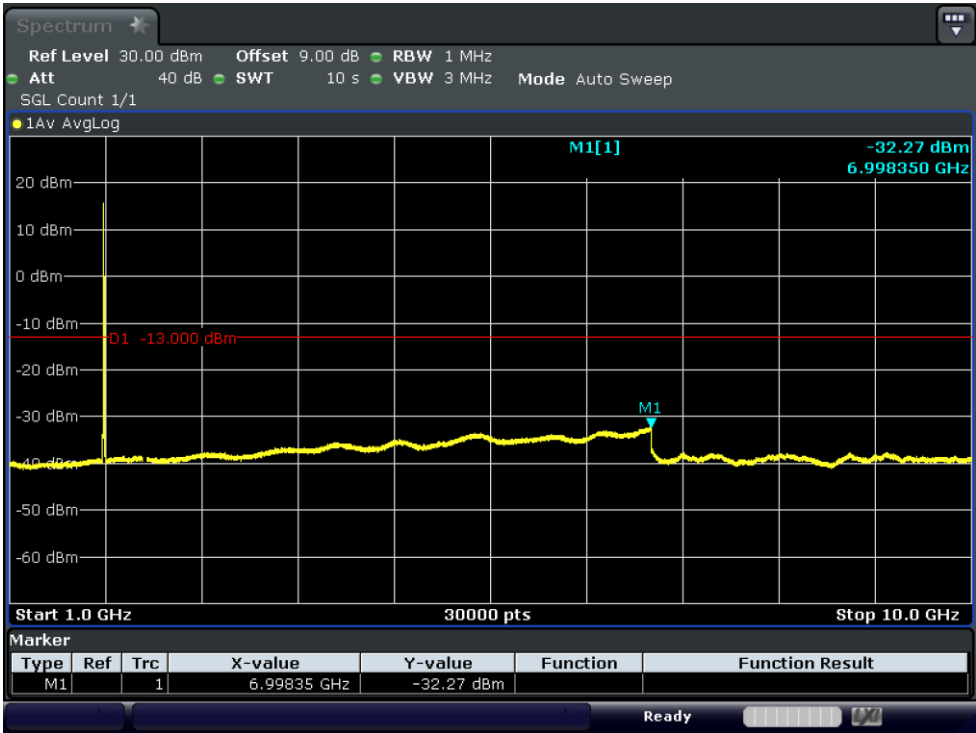
Test_Graph_band2_1852.5MHz_5M_QPSK_25RB#LOW_1G_10G_TX



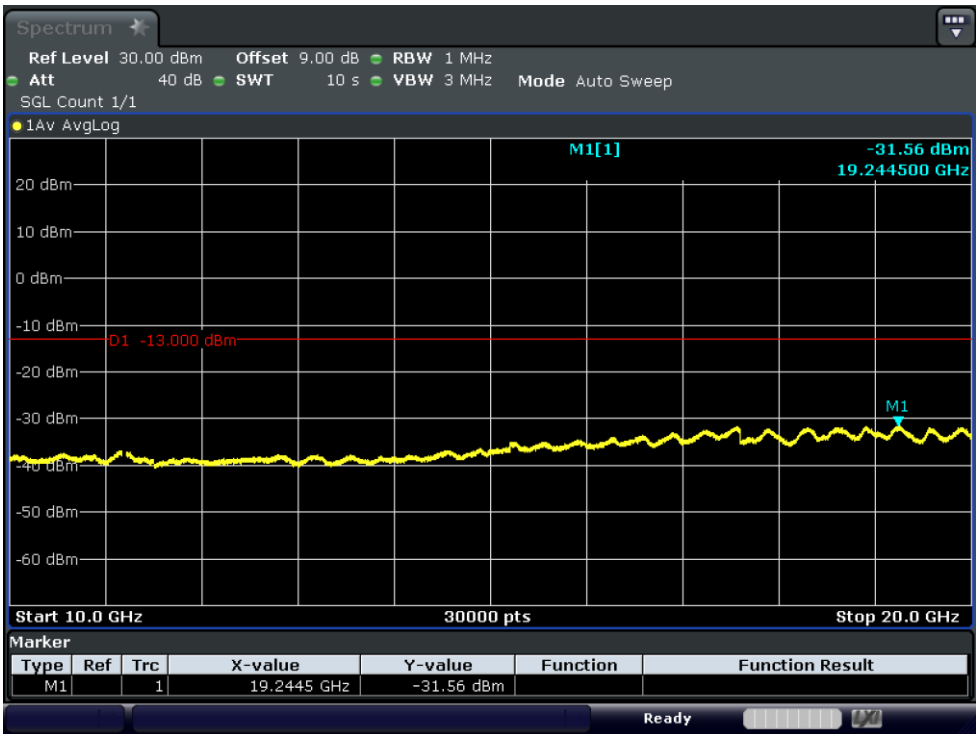
Test_Graph_band2_1852.5MHz_5M_QPSK_25RB#LOW_10G_20.0G_TX



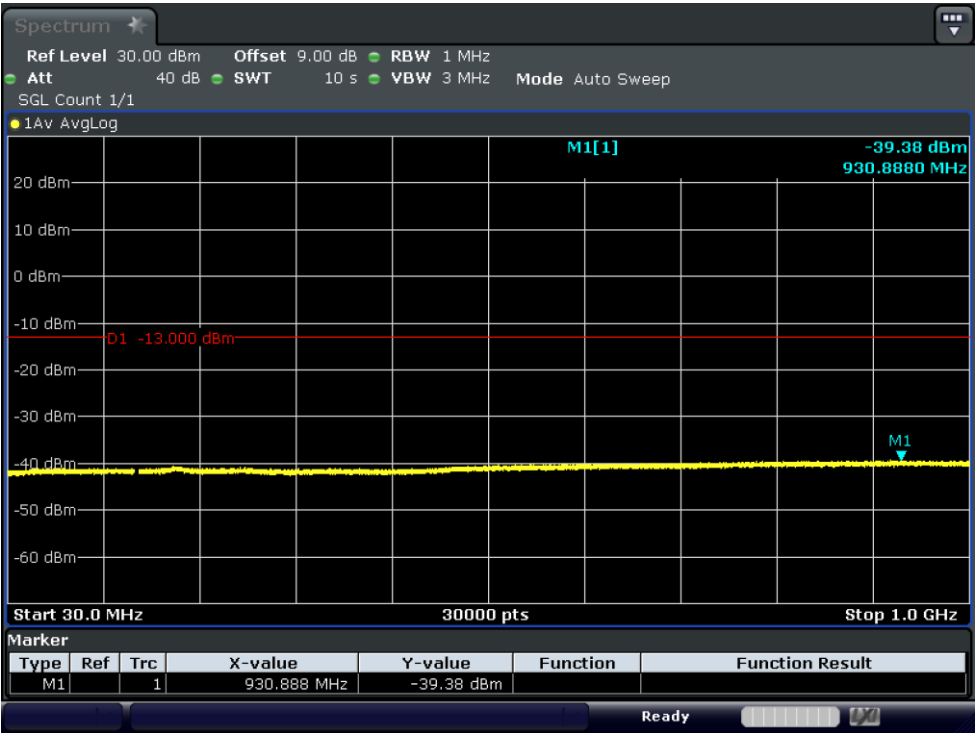
Test_Graph_band2_1880MHz_5M_QPSK_25RB#LOW_30M_1G_TX



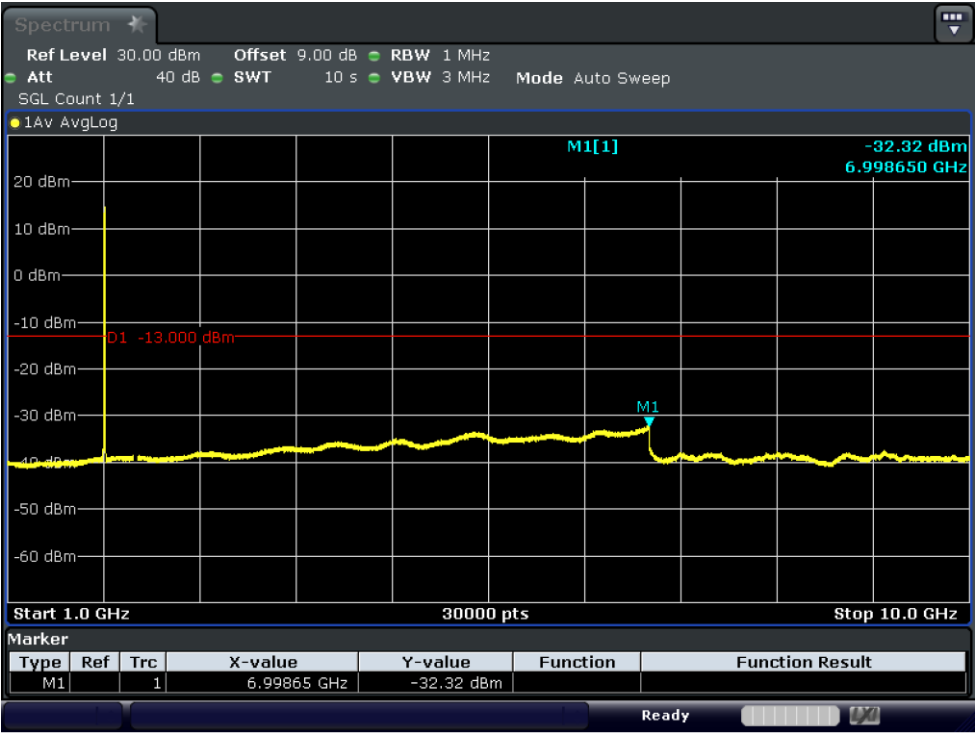
Test_Graph_band2_1880MHz_5M_QPSK_25RB#LOW_1G_10G_TX



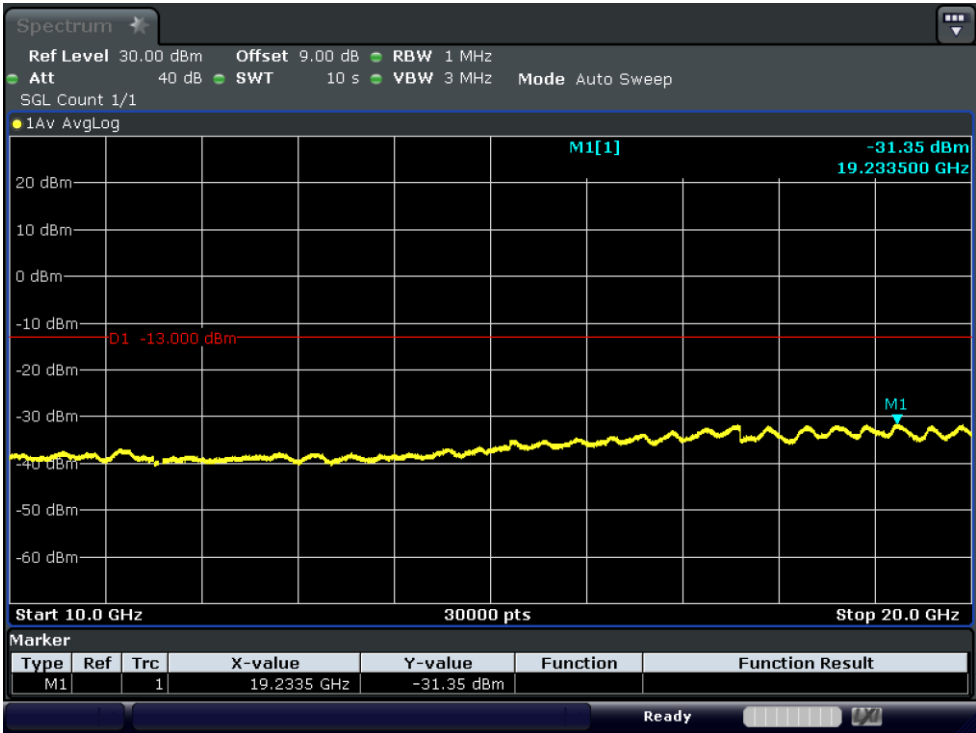
Test_Graph_band2_1880MHz_5M_QPSK_25RB#LOW_10G_20.0G_TX



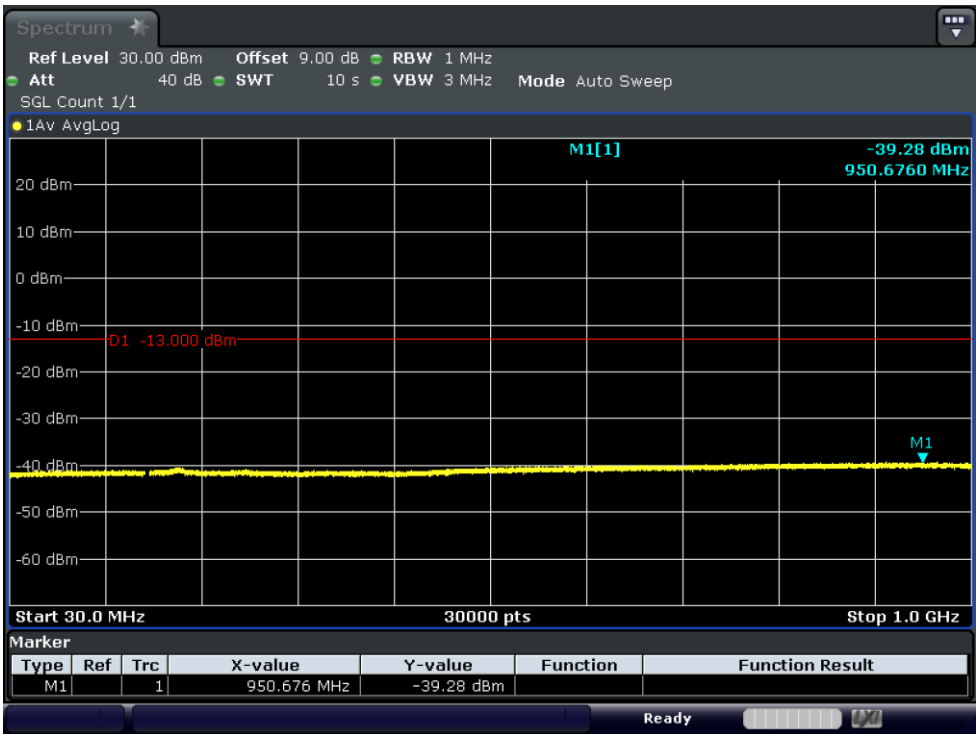
Test_Graph_band2_1907.5MHz_5M_QPSK_25RB#LOW_30M_1G_TX



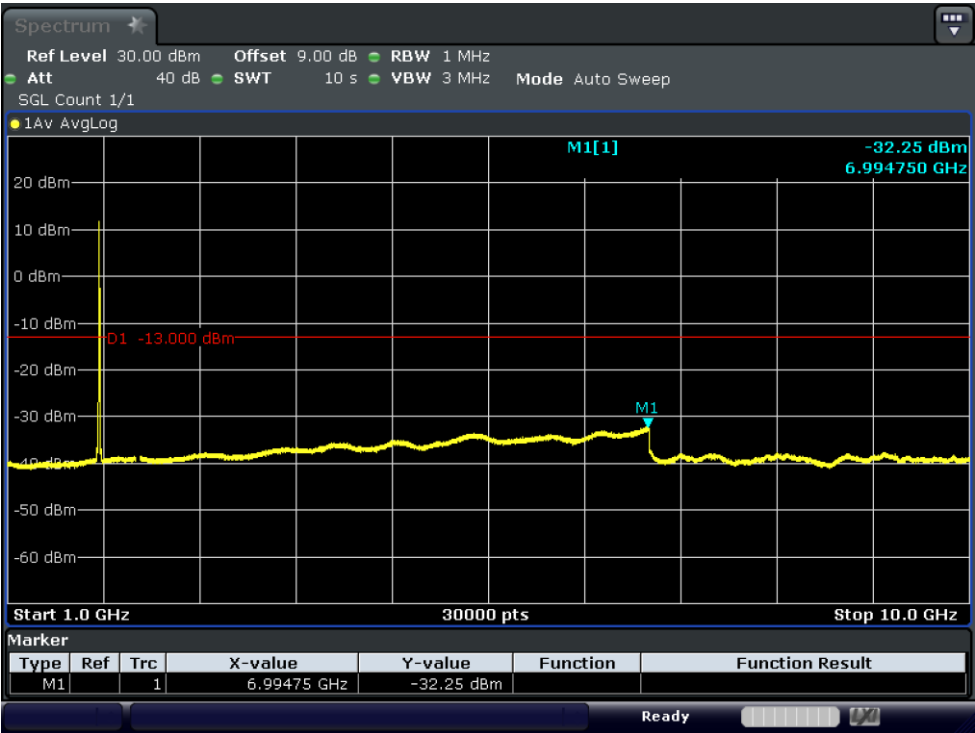
Test_Graph_band2_1907.5MHz_5M_QPSK_25RB#LOW_1G_10G_TX



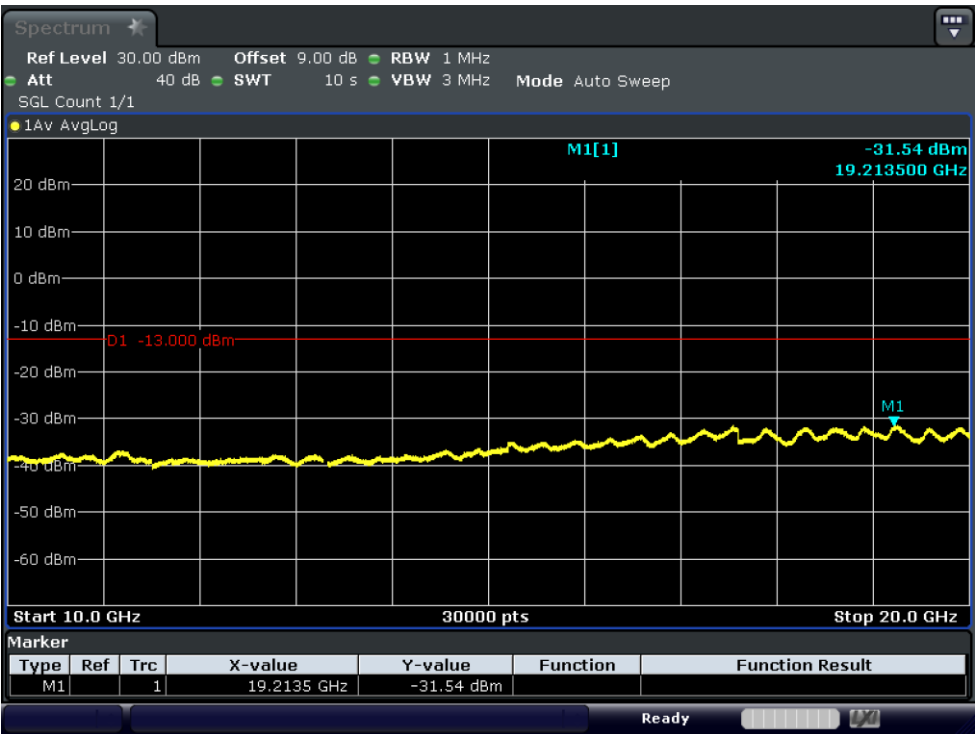
Test_Graph_band2_1907.5MHz_5M_QPSK_25RB#LOW_10G_20.0G_TX



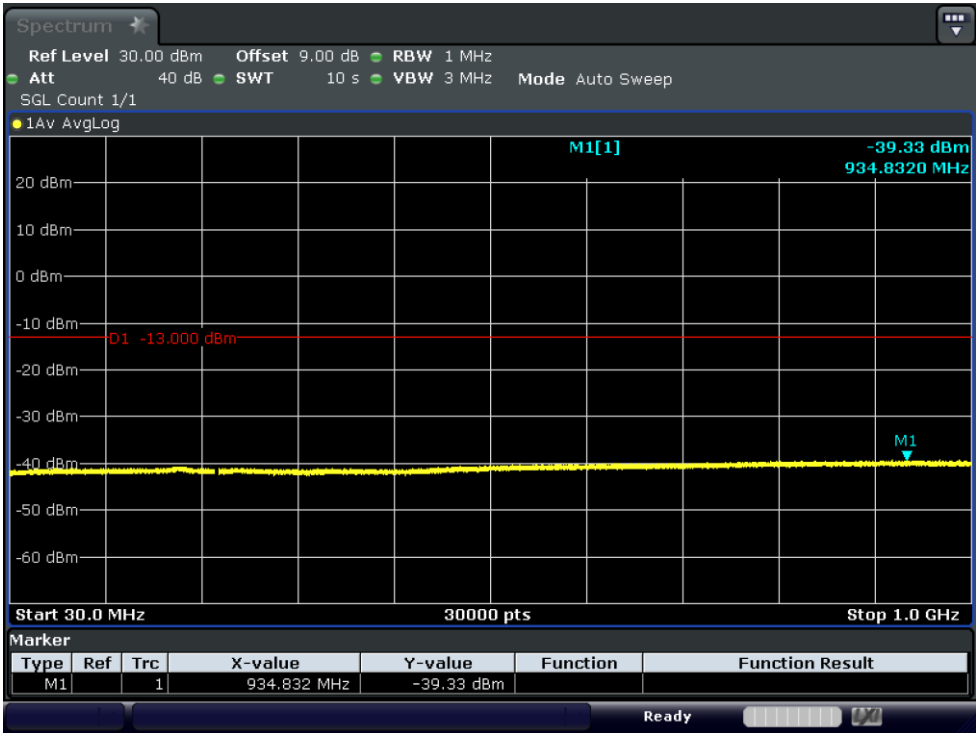
Test_Graph_band2_1855MHz_10M_QPSK_50RB#LOW_30M_1G_TX



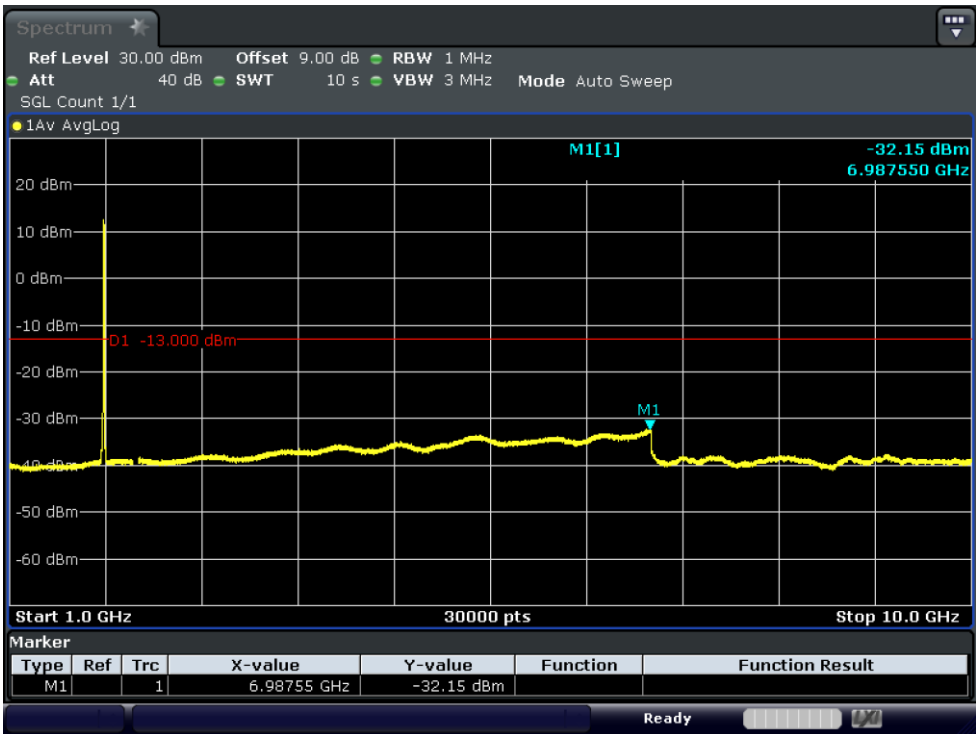
Test_Graph_band2_1855MHz_10M_QPSK_50RB#LOW_1G_10G_TX



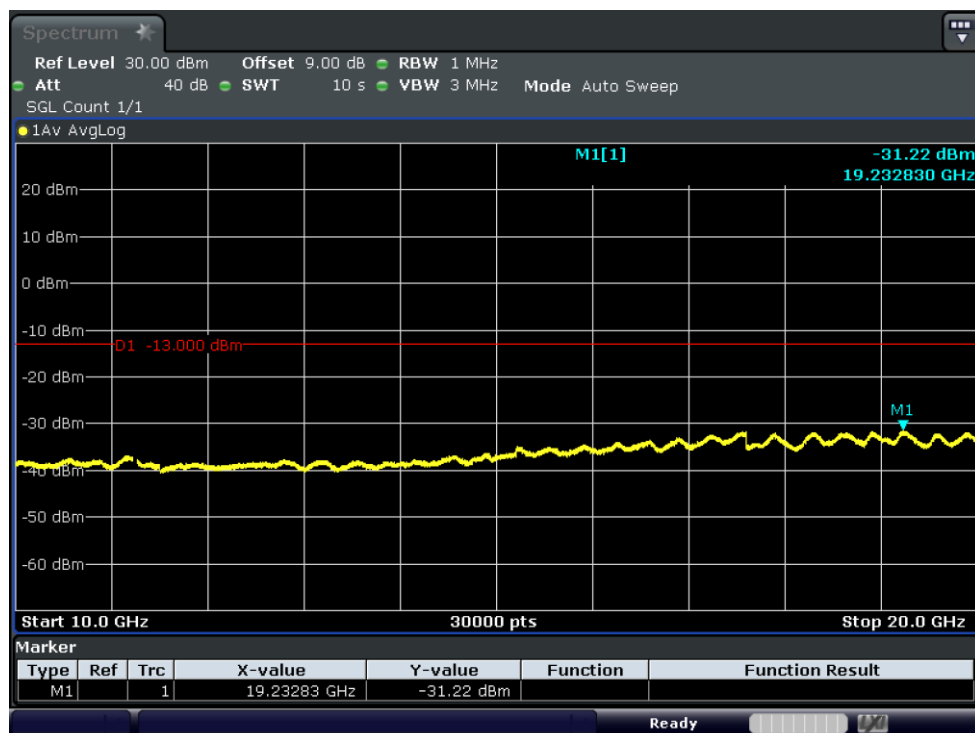
Test_Graph_band2_1855MHz_10M_QPSK_50RB#LOW_10G_20.0G_TX



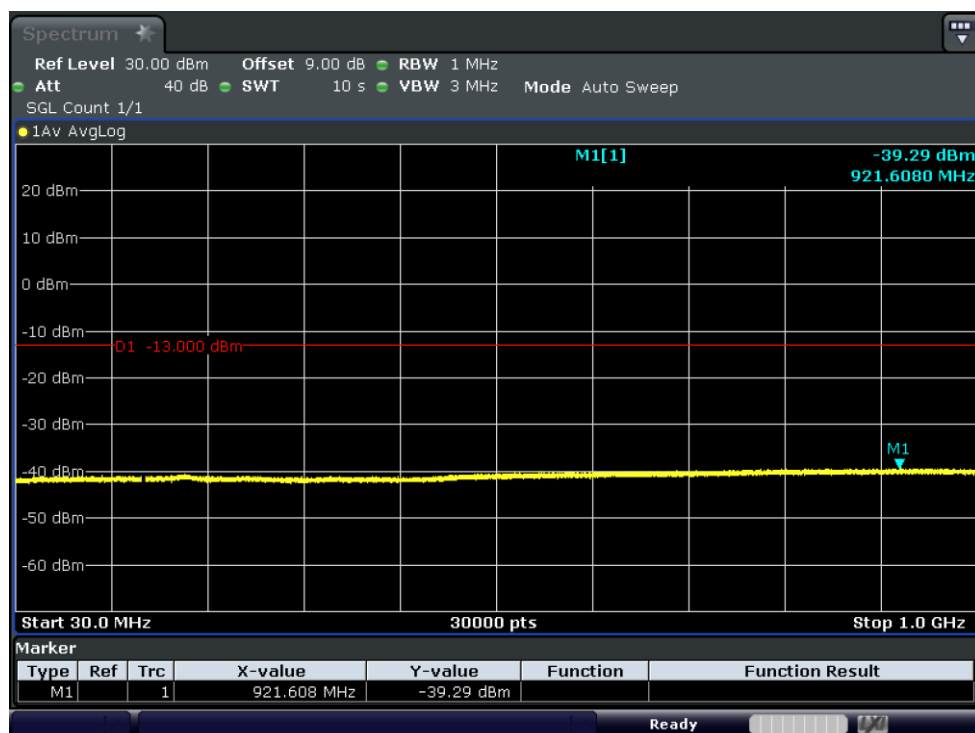
Test_Graph_band2_1880MHz_10M_QPSK_50RB#LOW_30M_1G_TX



Test_Graph_band2_1880MHz_10M_QPSK_50RB#LOW_1G_10G_TX

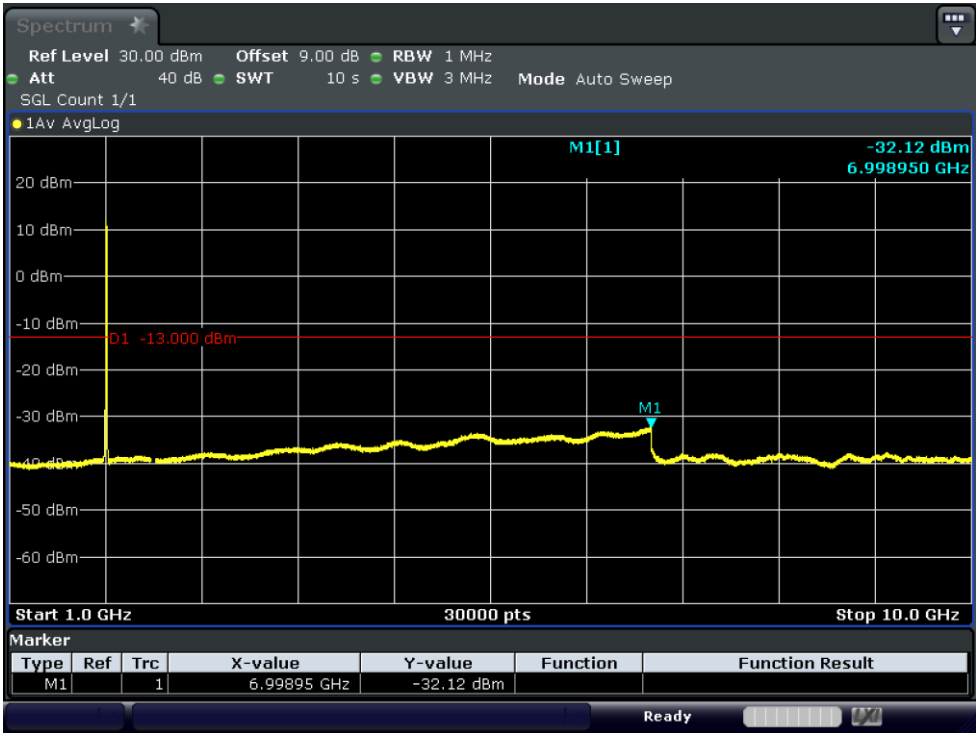


Test_Graph_band2_1880MHz_10M_QPSK_50RB#LOW_10G_20.0G_TX

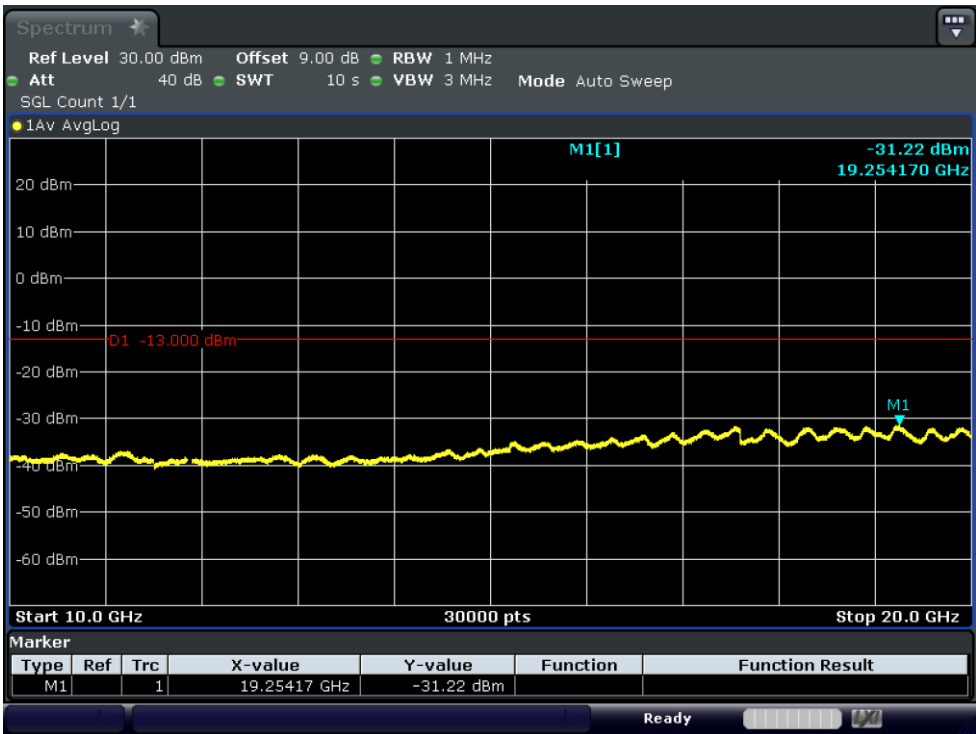


Test_Graph_band2_1905MHz_10M_QPSK_50RB#LOW_30M_1G_TX

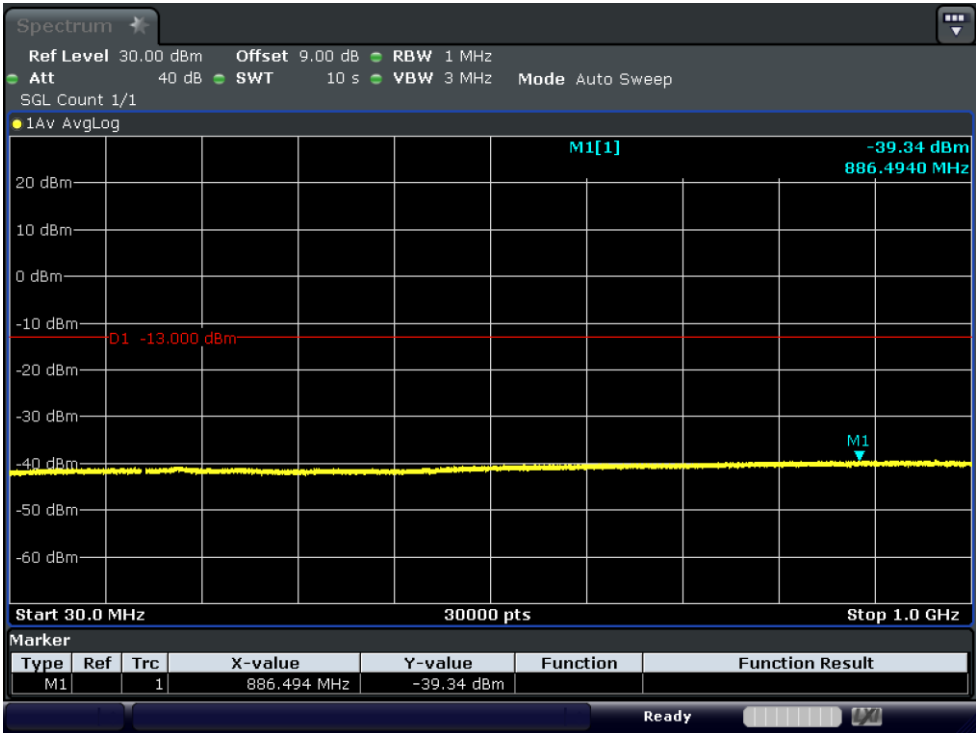




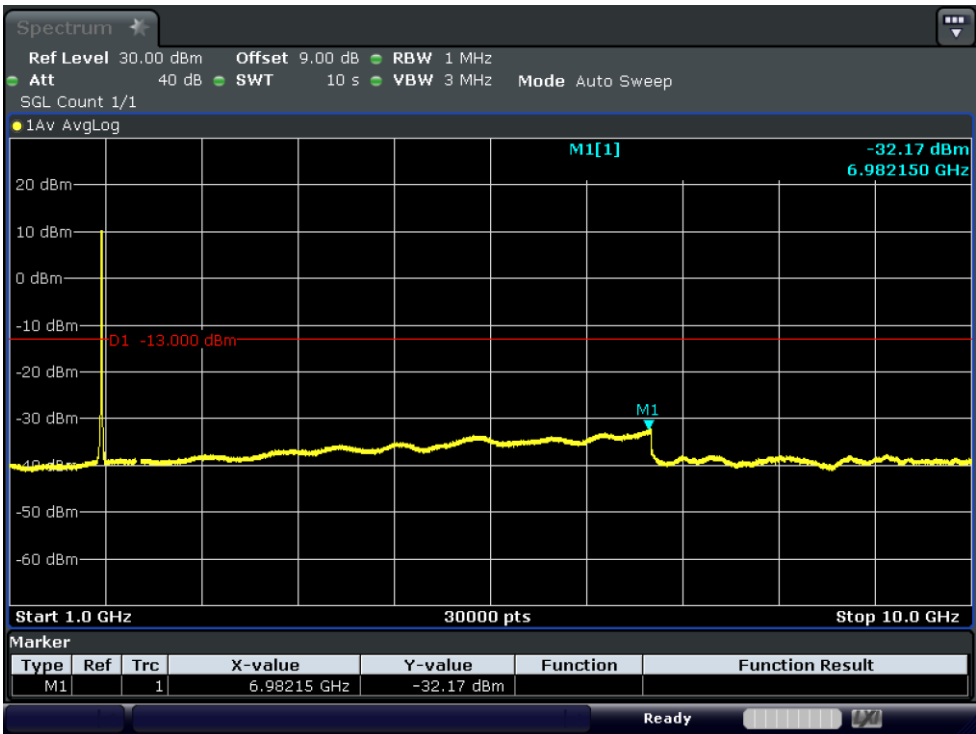
Test_Graph_band2_1905MHz_10M_QPSK_50RB#LOW_1G_10G_TX



Test_Graph_band2_1905MHz_10M_QPSK_50RB#LOW_10G_20.0G_TX

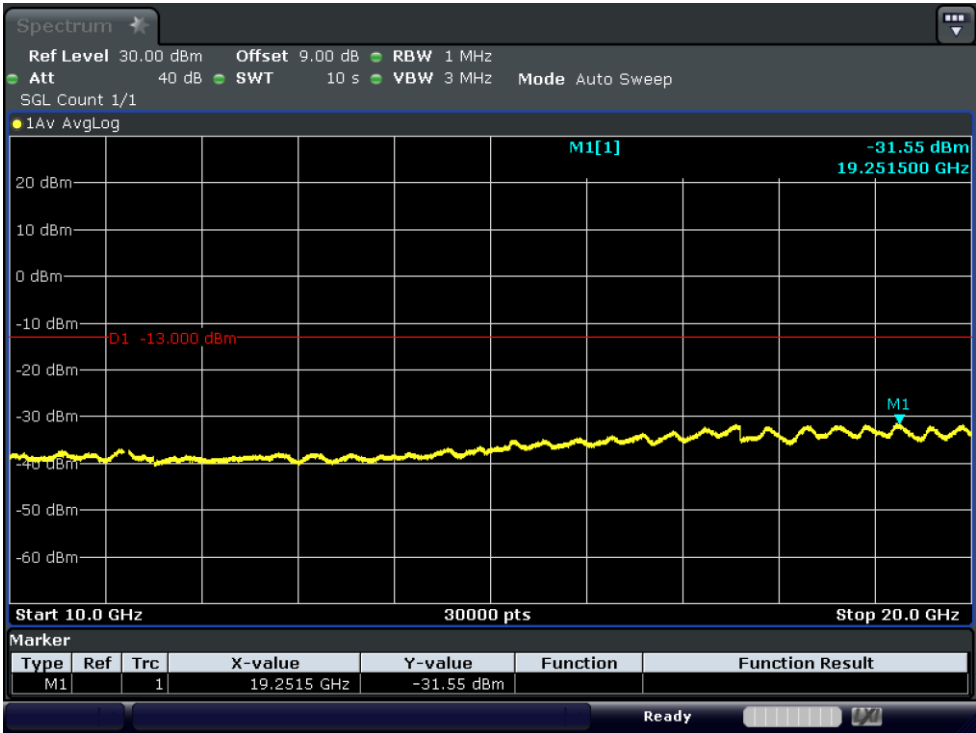


Test_Graph_band2_1857.5MHz_15M_QPSK_75RB#LOW_30M_1G_TX

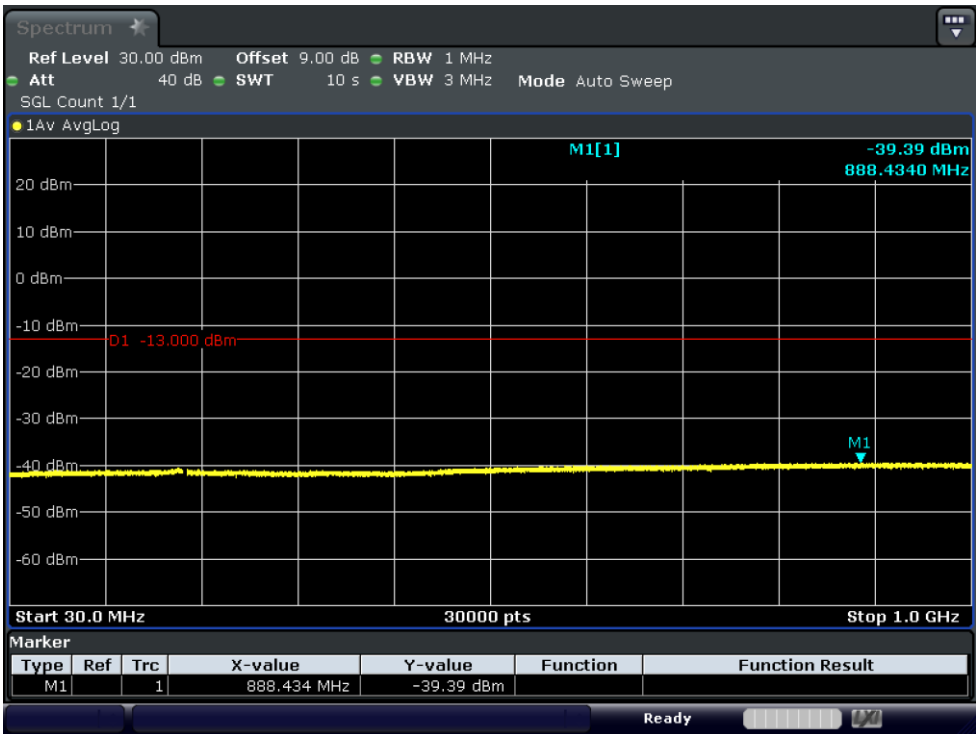


Test_Graph_band2_1857.5MHz_15M_QPSK_75RB#LOW_1G_10G_TX

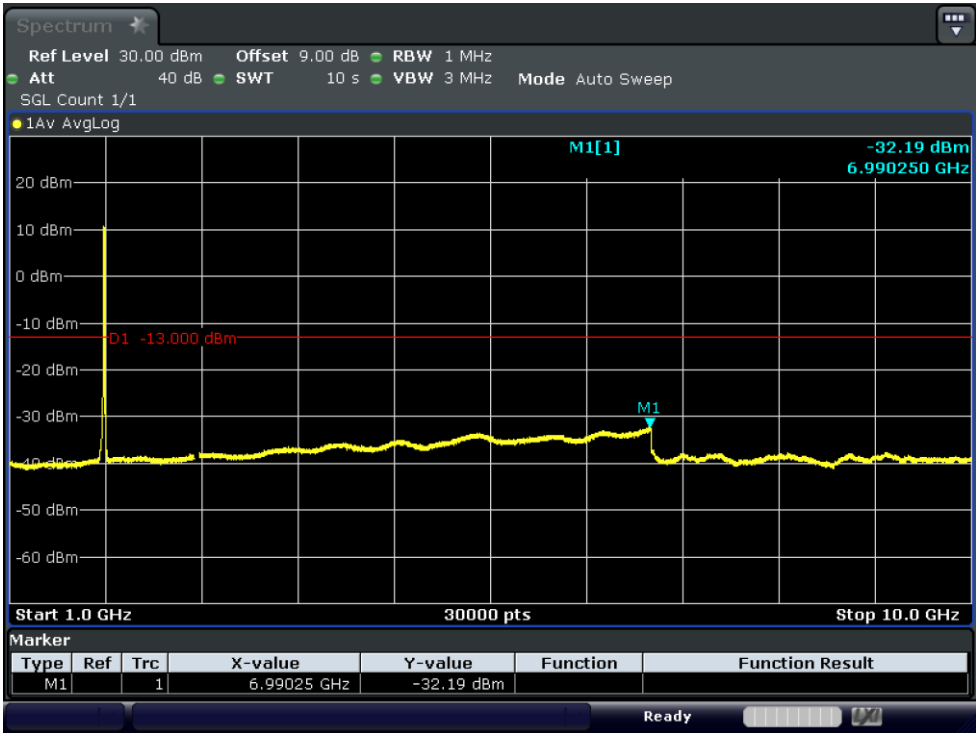




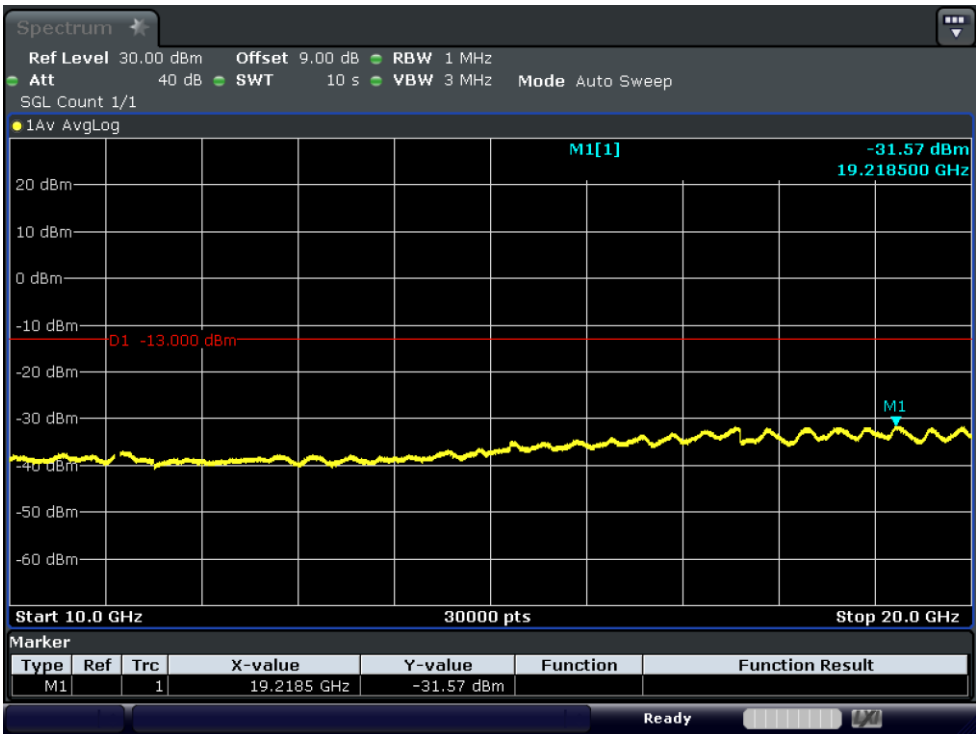
Test_Graph_band2_1857.5MHz_15M_QPSK_75RB#LOW_10G_20.0G_TX



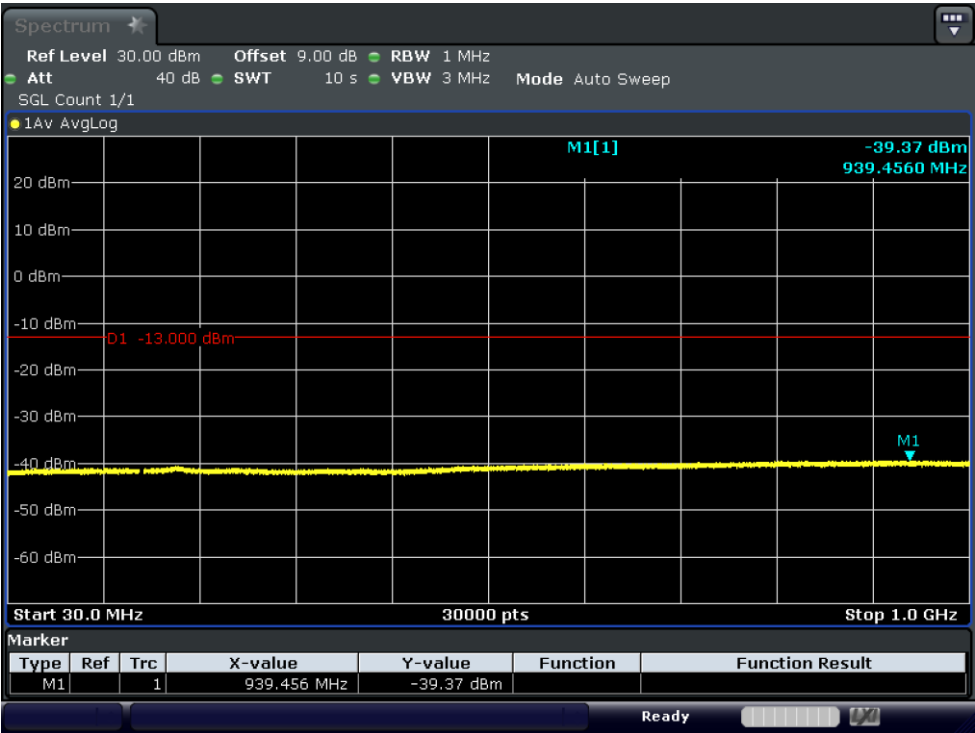
Test_Graph_band2_1880MHz_15M_QPSK_75RB#LOW_30M_1G_TX



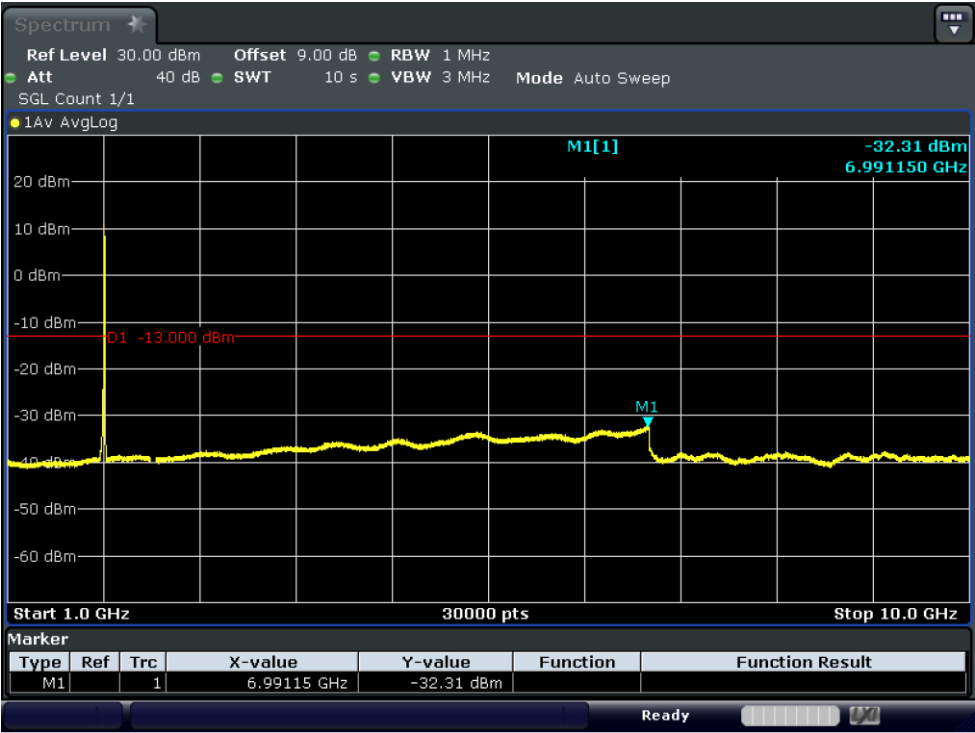
Test_Graph_band2_1880MHz_15M_QPSK_75RB#LOW_1G_10G_TX



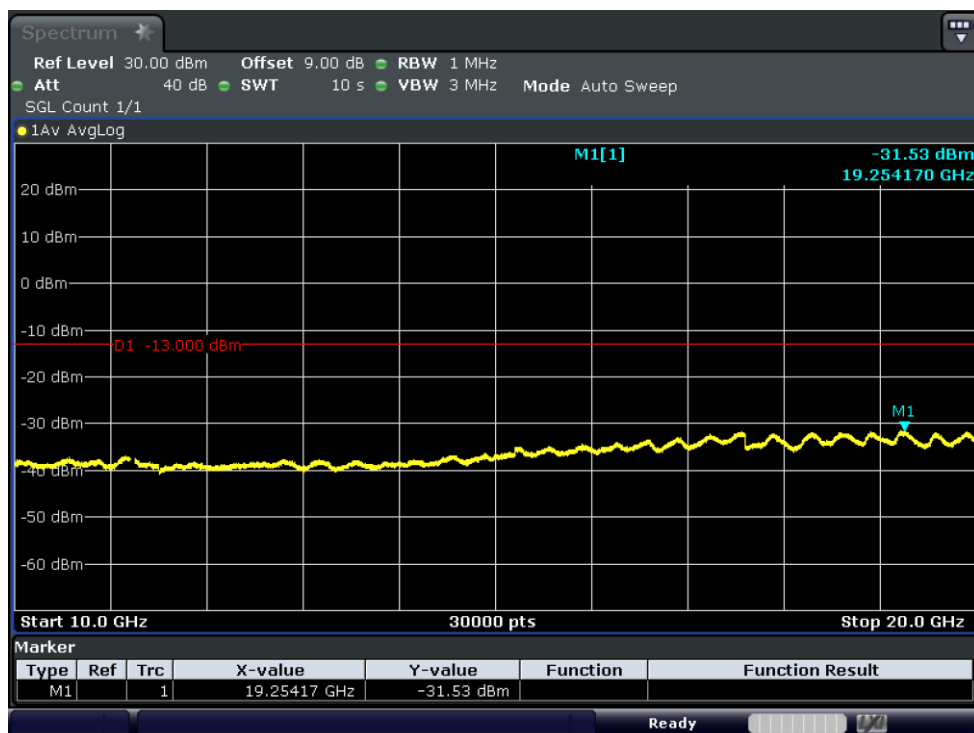
Test_Graph_band2_1880MHz_15M_QPSK_75RB#LOW_10G_20.0G_TX



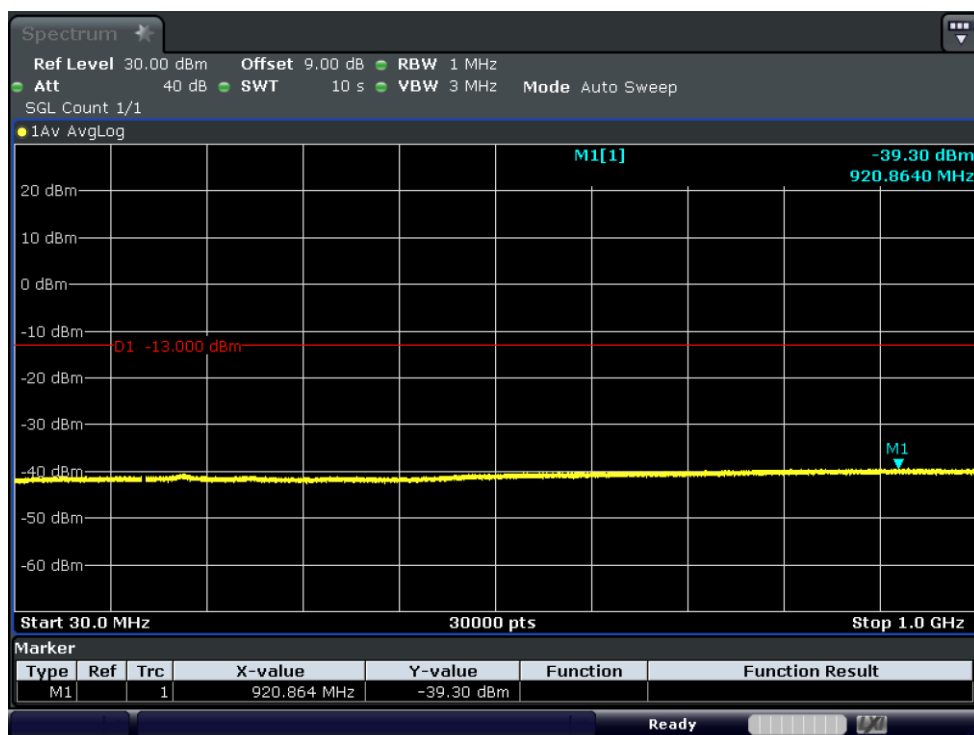
Test_Graph_band2_1902.5MHz_15M_QPSK_75RB#LOW_30M_1G_TX



Test_Graph_band2_1902.5MHz_15M_QPSK_75RB#LOW_1G_10G_TX

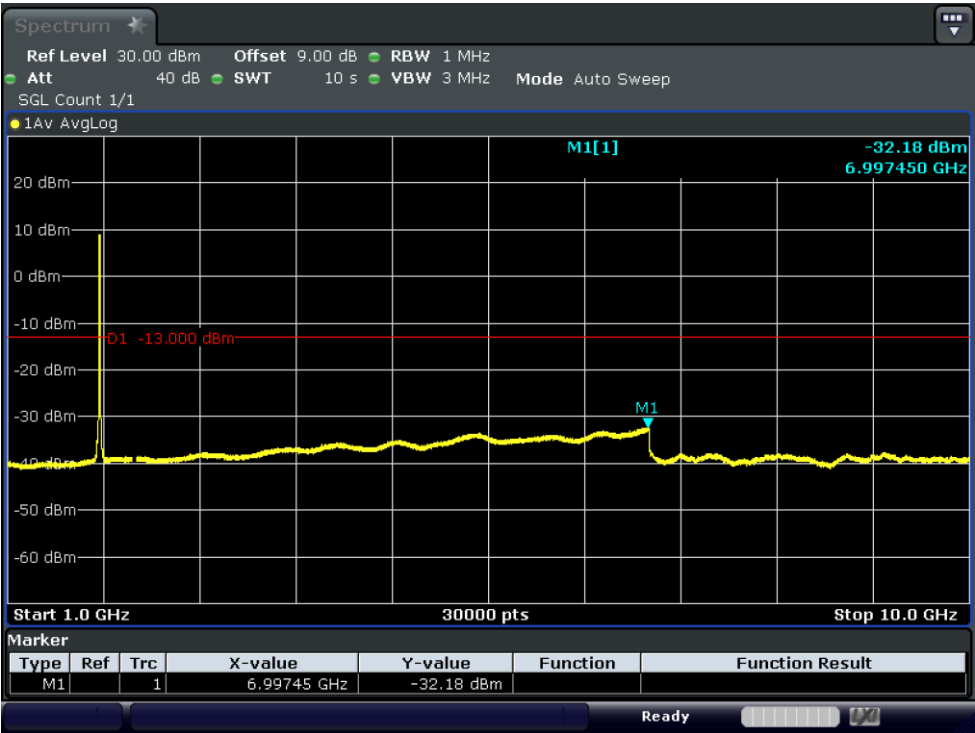


Test_Graph_band2_1902.5MHz_15M_QPSK_75RB#LOW_10G_20.0G_TX

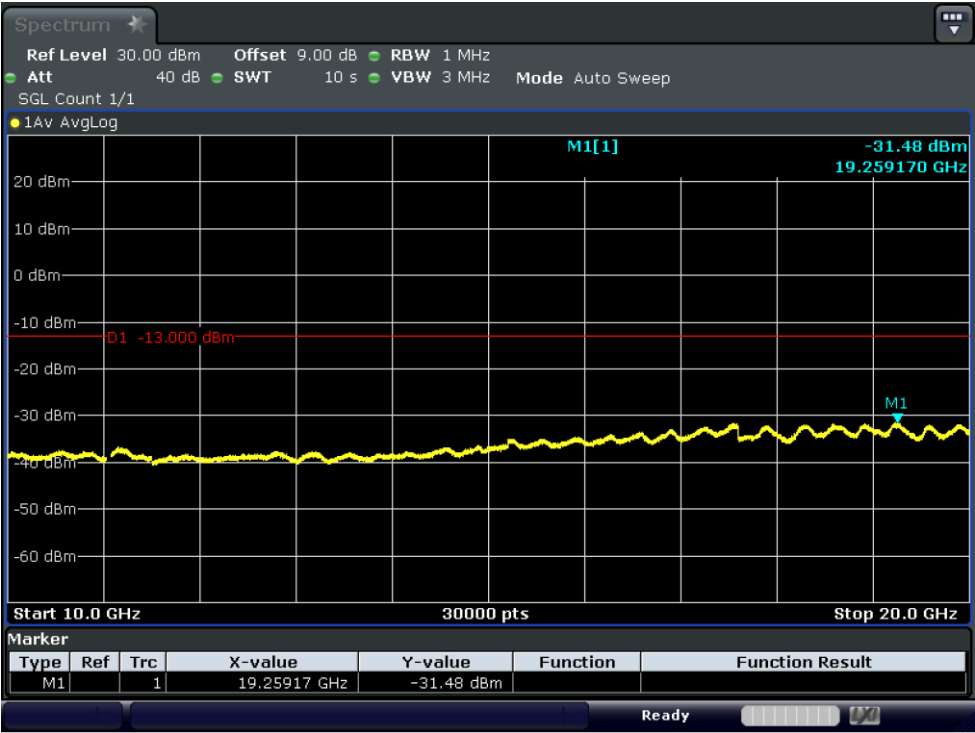


Test_Graph_band2_1860MHz_20M_QPSK_100RB#LOW_30M_1G_TX

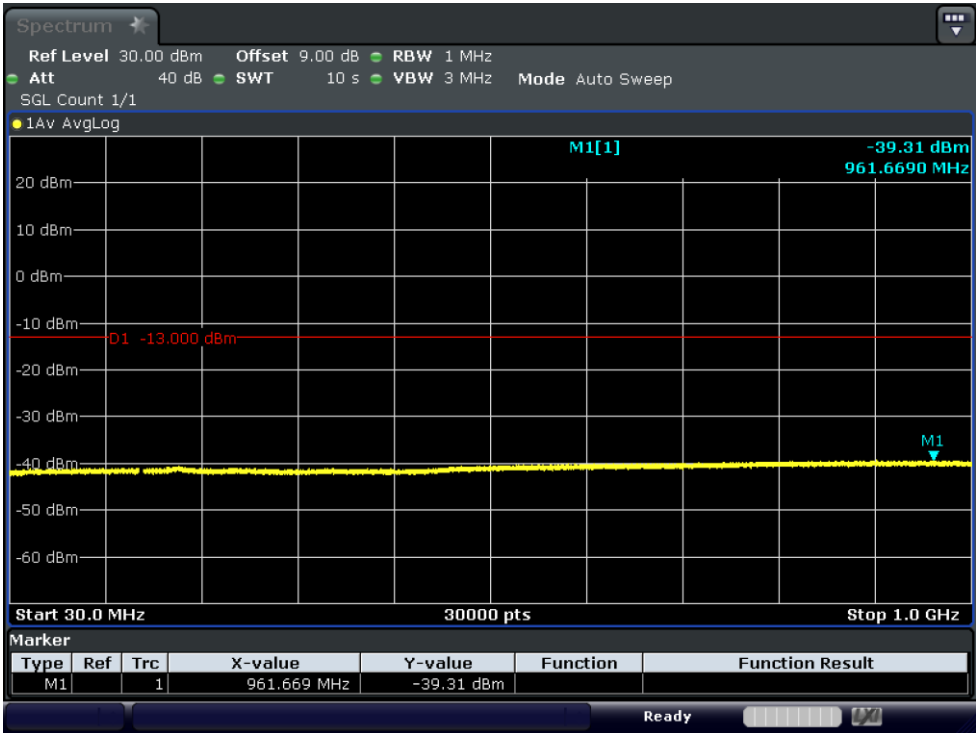




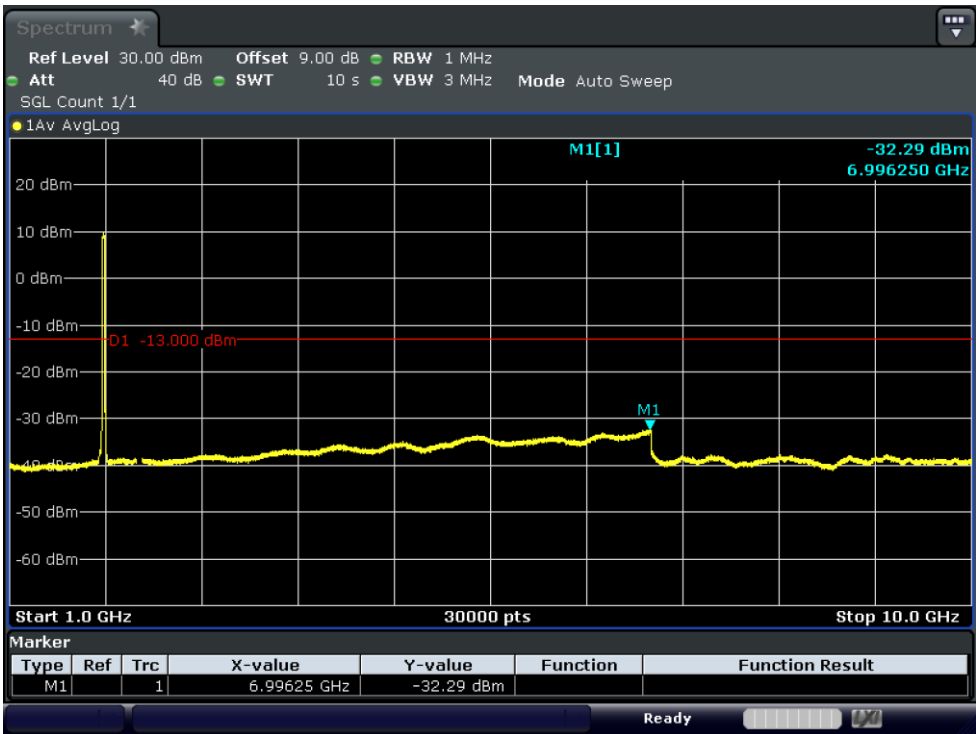
Test_Graph_band2_1860MHz_20M_QPSK_100RB#LOW_1G_10G_TX



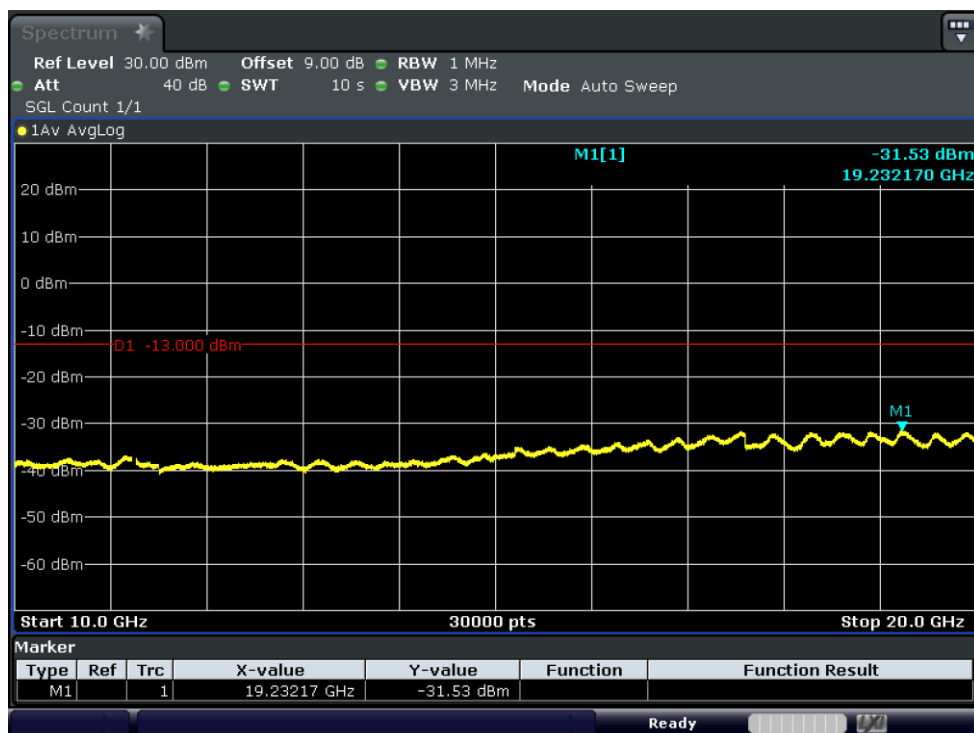
Test_Graph_band2_1860MHz_20M_QPSK_100RB#LOW_10G_20.0G_TX



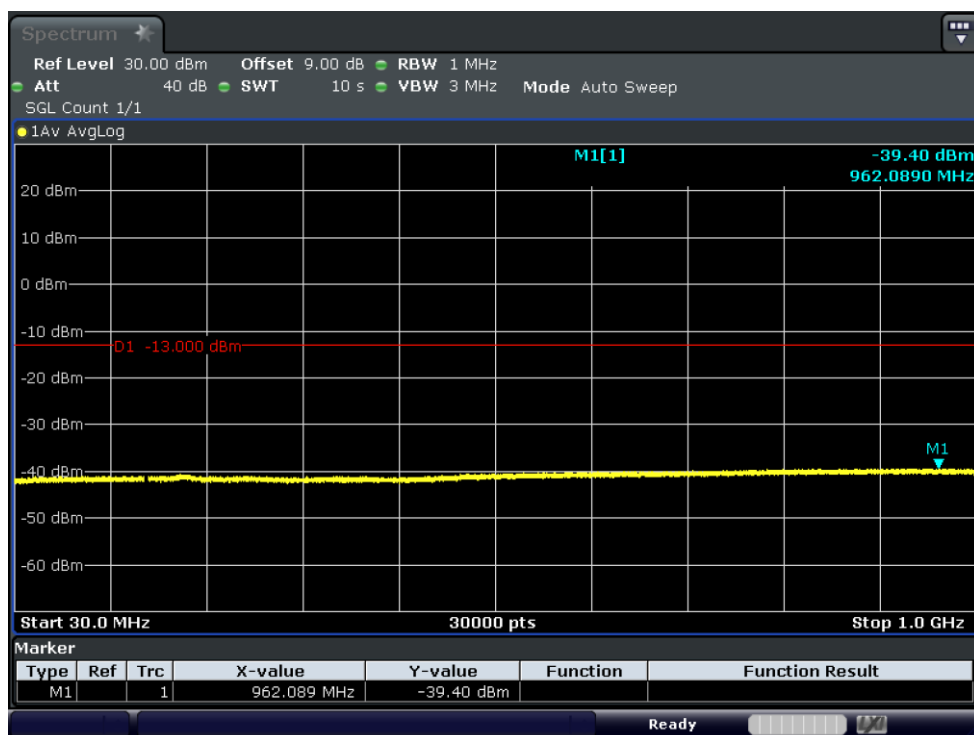
Test_Graph_band2_1880MHz_20M_QPSK_100RB#LOW_30M_1G_TX



Test_Graph_band2_1880MHz_20M_QPSK_100RB#LOW_1G_10G_TX

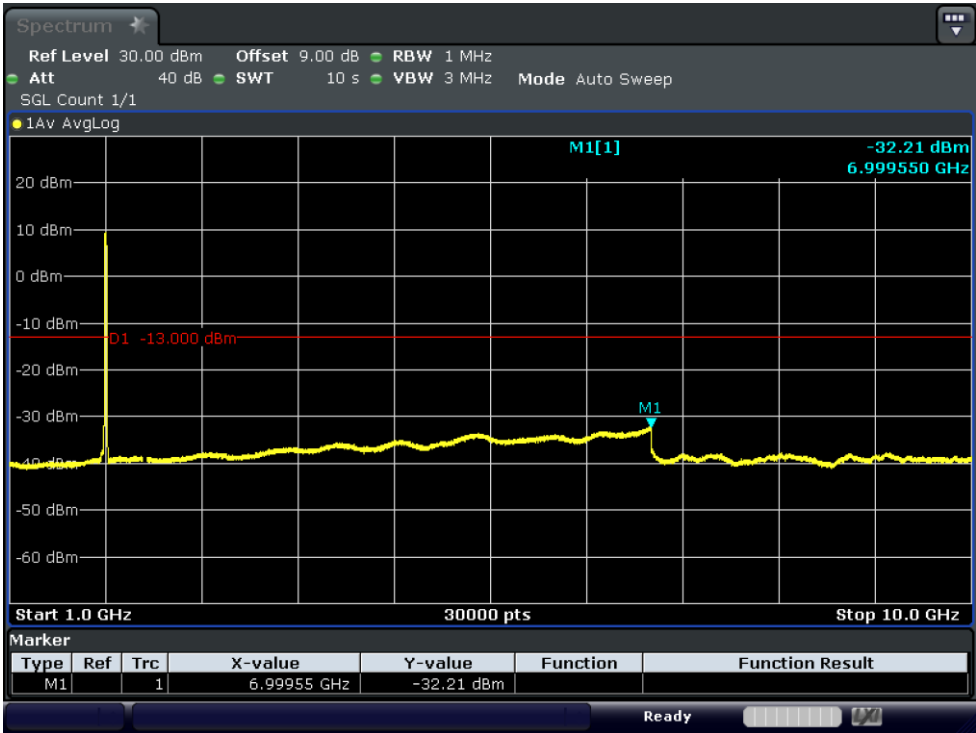


Test_Graph_band2_1880MHz_20M_QPSK_100RB#LOW_10G_20.0G_TX

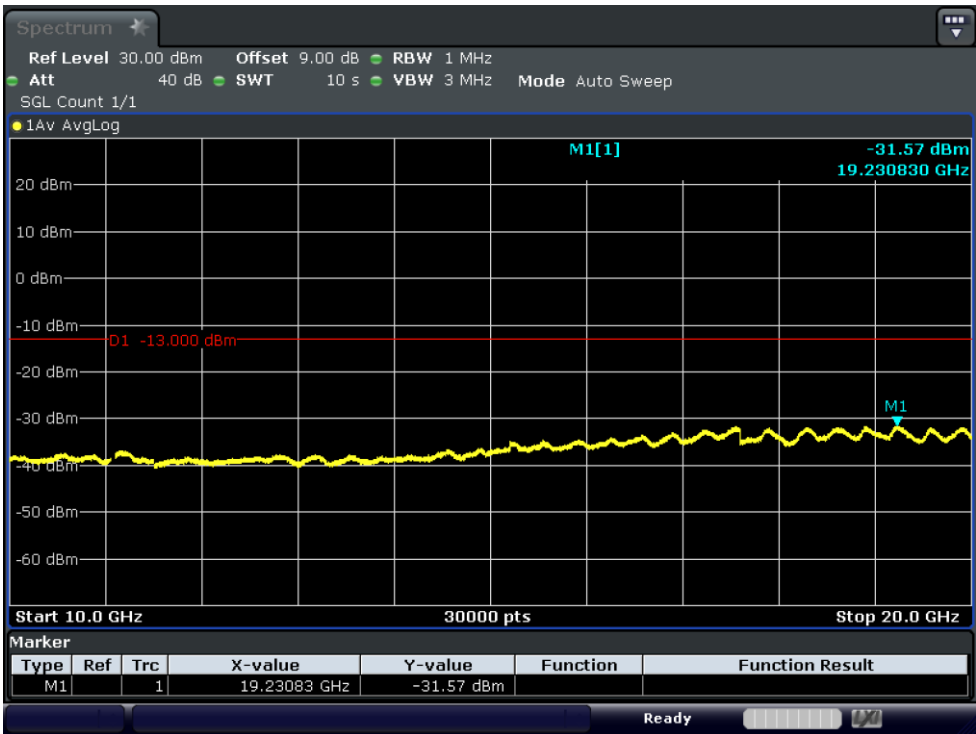


Test_Graph_band2_1900MHz_20M_QPSK_100RB#LOW_30M_1G_TX





Test_Graph_band2_1900MHz_20M_QPSK_100RB#LOW_1G_10G_TX



Test_Graph_band2_1900MHz_20M_QPSK_100RB#LOW_10G_20.0G_TX



Appendix E: Frequency stability

Test Result

Test Conditions (LTE Band 2(QPSK) /BW 20MHz)		Frequency Range		Frequency Error	Verdict
Temperature (°C)	Voltage (Volt)	>1850 Freq Reading @ Low End (MHz)	<1910 Freq Reading @ High End (MHz)	Middle Channel	
				≤2.5ppm	
50	Normal Voltage	1851.0472	1908.9243	0.0065	PASS
40	Normal Voltage	1851.0474	1908.9243	0.0064	
30	Normal Voltage	1851.0474	1908.9243	0.0064	
20(Ref.)	Normal Voltage	1851.0473	1908.9244	0.0064	
10	Normal Voltage	1851.0473	1908.9243	0.0064	
0	Normal Voltage	1851.0472	1908.9245	0.0068	
-10	Normal Voltage	1851.0474	1908.9245	0.0063	
-20	Normal Voltage	1851.0473	1908.9245	0.0060	
-30	Normal Voltage	1851.0473	1908.9244	0.0065	
20	+15%	1851.0473	1908.9243	0.0060	
20	-15%	1851.0473	1908.9245	0.0067	
20	Battery End Point	1851.0472	1908.9244	0.0063	

