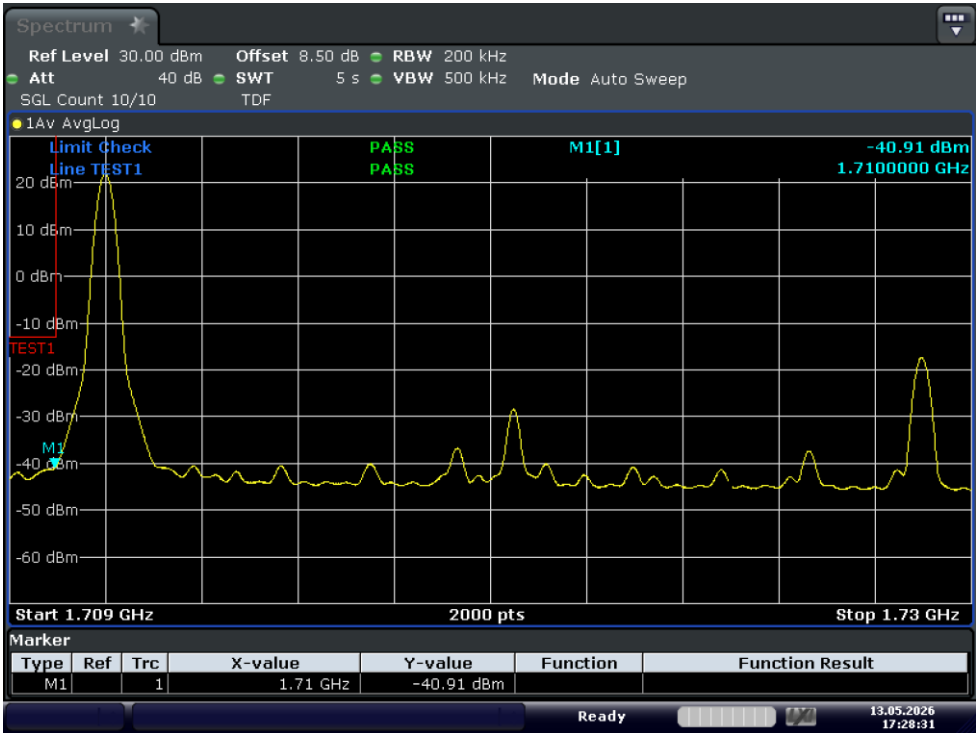
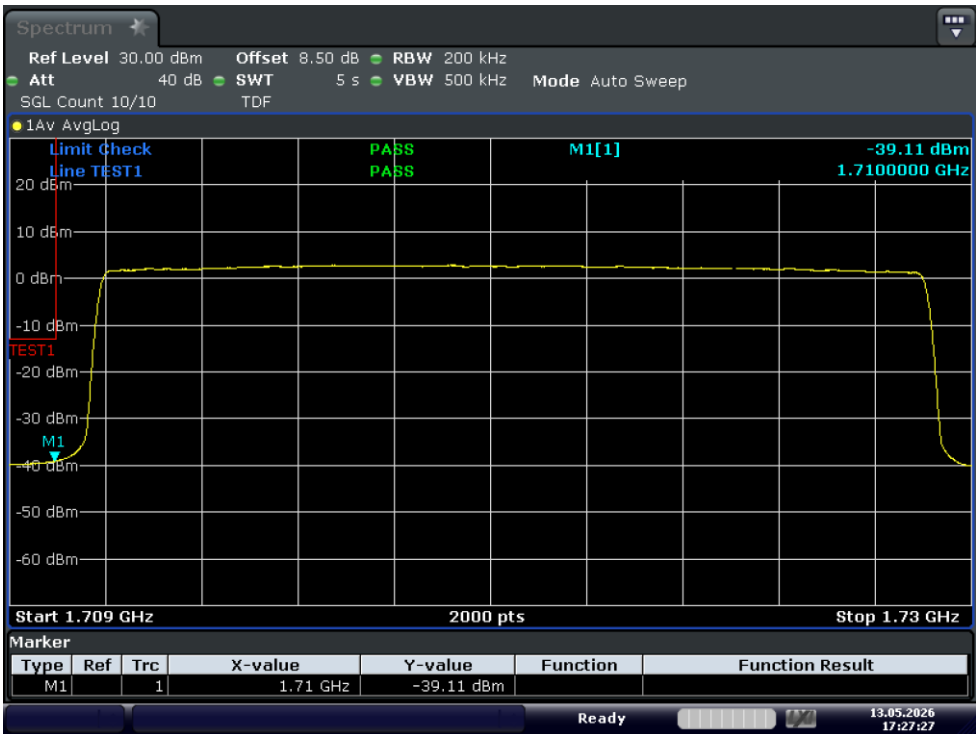
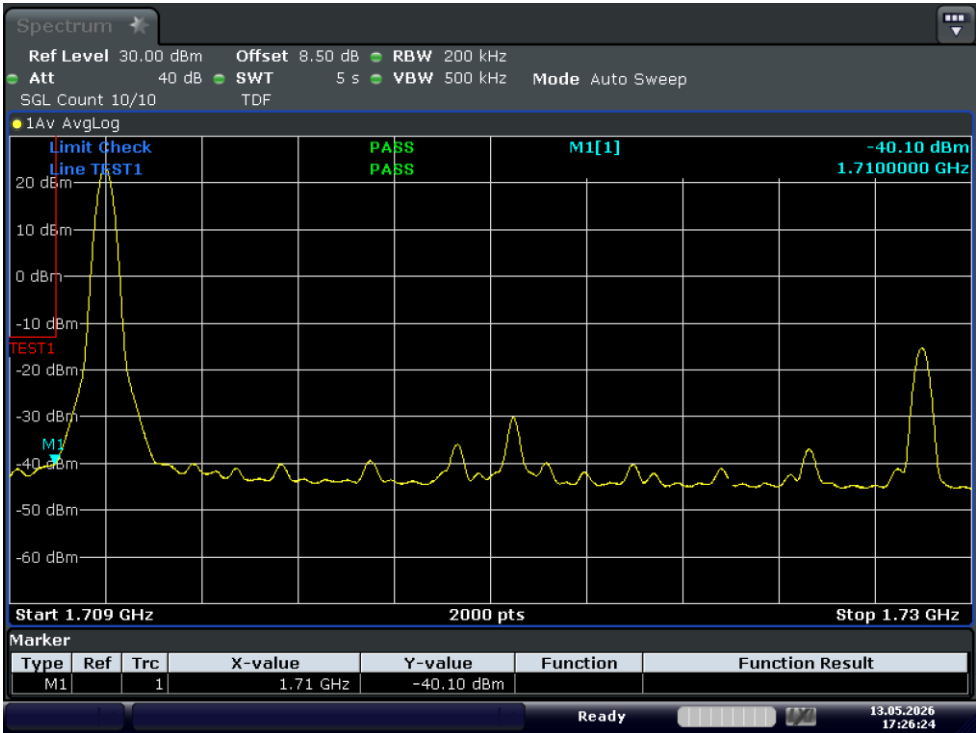




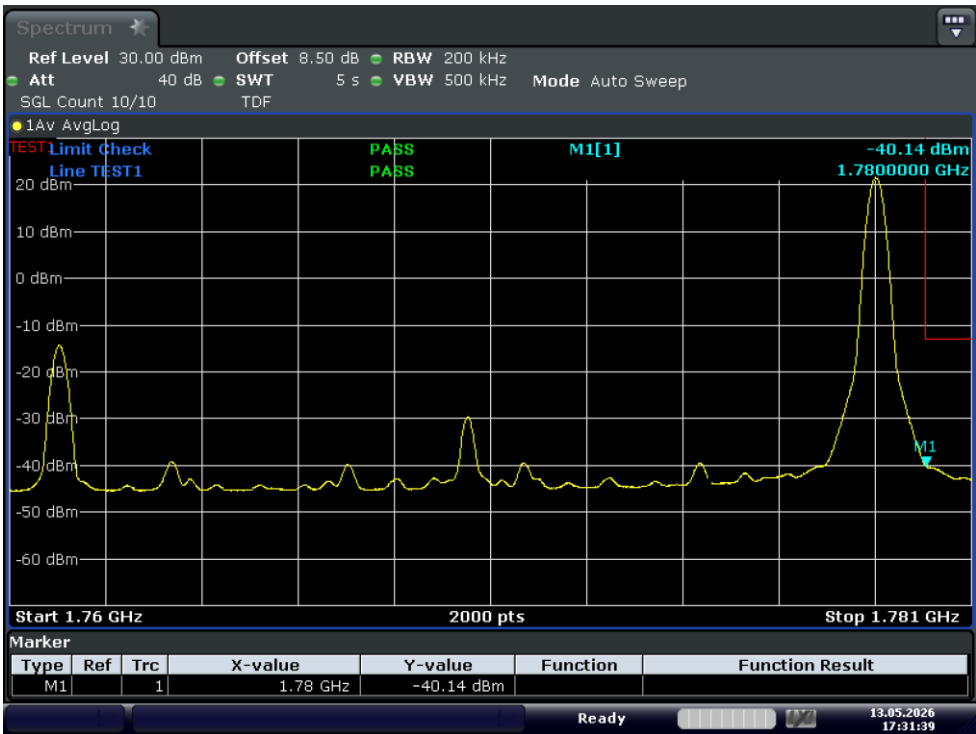
Test_Graph_band66_1720MHz_20M_16QAM_1RB#LOW_Band edge



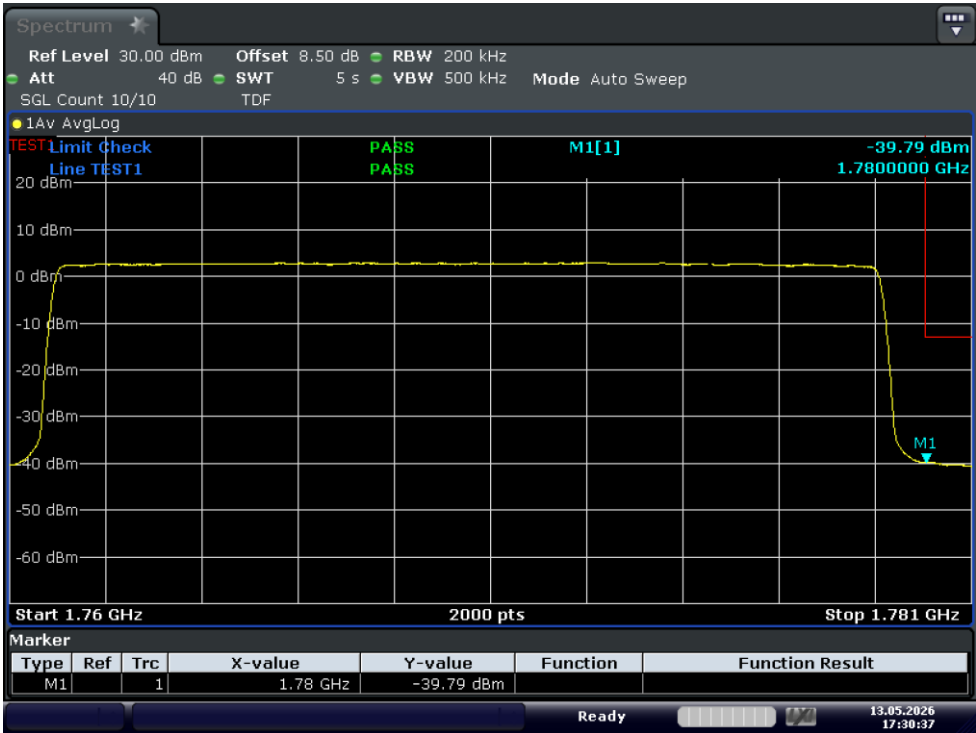
Test_Graph_band66_1720MHz_20M_QPSK_100RB#LOW_Band edge



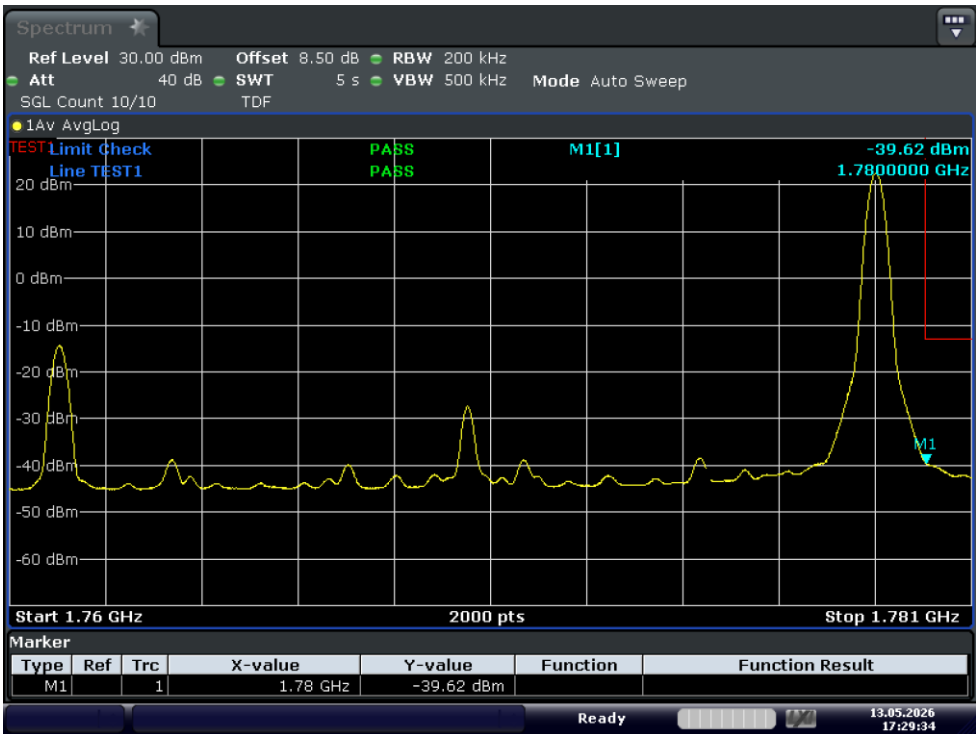
Test_Graph_band66_1720MHz_20M_QPSK_1RB#LOW_Band edge



Test_Graph_band66_1770MHz_20M_16QAM_1RB#HIGH_Band edge



Test_Graph_band66_1770MHz_20M_QPSK_100RB#LOW_Band edge



Test_Graph_band66_1770MHz_20M_QPSK_1RB#HIGH_Band edge



Appendix D: Unwanted spurious emissions at antenna terminals

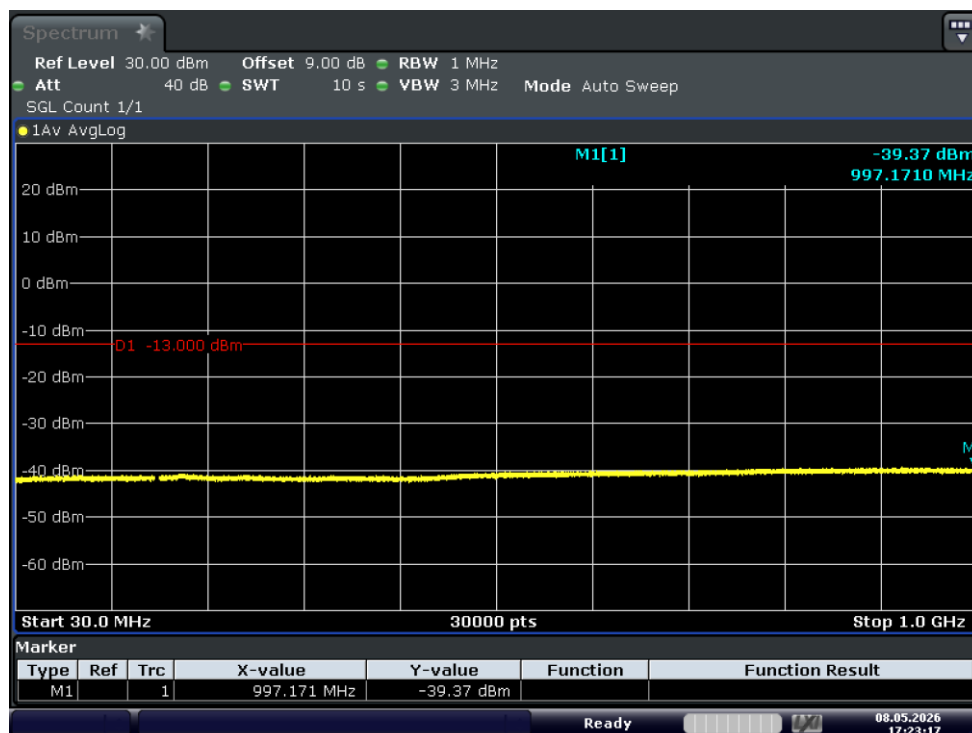
Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
66	1.4	1710.7	QPSK	6	LOW	Pass
66	1.4	1745	QPSK	6	LOW	Pass
66	1.4	1779.3	QPSK	6	LOW	Pass
66	3	1711.5	QPSK	15	LOW	Pass
66	3	1745	QPSK	15	LOW	Pass
66	3	1778.5	QPSK	15	LOW	Pass
66	5	1712.5	QPSK	25	LOW	Pass
66	5	1745	QPSK	25	LOW	Pass
66	5	1777.5	QPSK	25	LOW	Pass
66	10	1715	QPSK	50	LOW	Pass
66	10	1745	QPSK	50	LOW	Pass
66	10	1775	QPSK	50	LOW	Pass
66	15	1717.5	QPSK	75	LOW	Pass
66	15	1745	QPSK	75	LOW	Pass
66	15	1772.5	QPSK	75	LOW	Pass
66	20	1720	QPSK	100	LOW	Pass
66	20	1745	QPSK	100	LOW	Pass
66	20	1770	QPSK	100	LOW	Pass

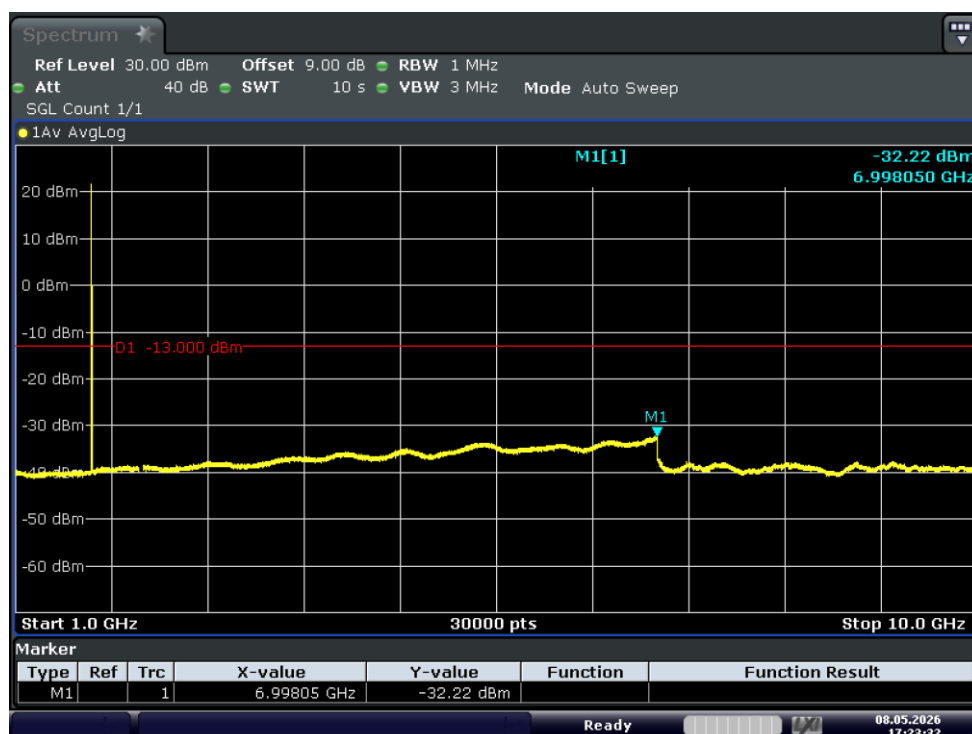
Note: Both QPSK and 16QAM modulation modes were tested. Since the QPSK mode produced the worst-case results, only the corresponding QPSK test results are included in this report.



Test Graphs

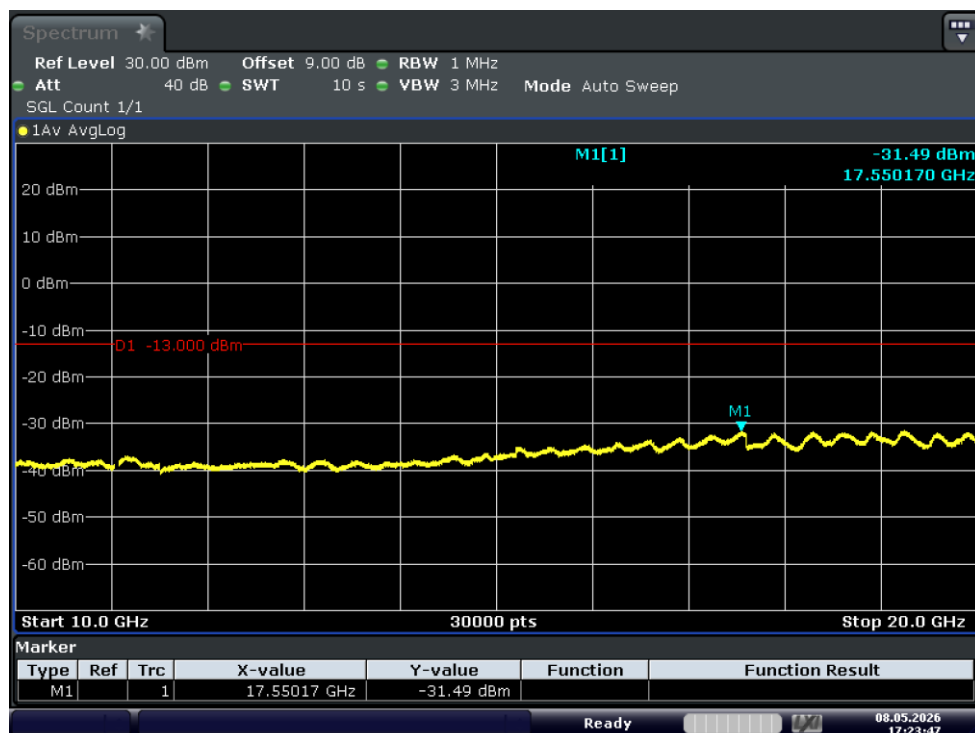


Test_Graph_band66_1710.7MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX

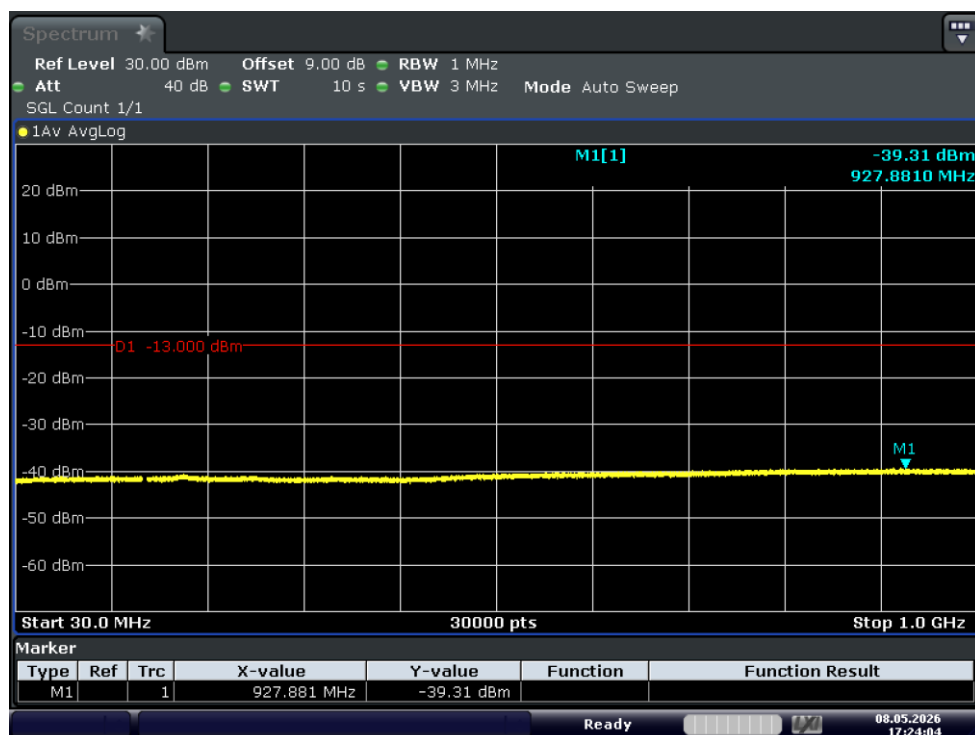


Test_Graph_band66_1710.7MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX



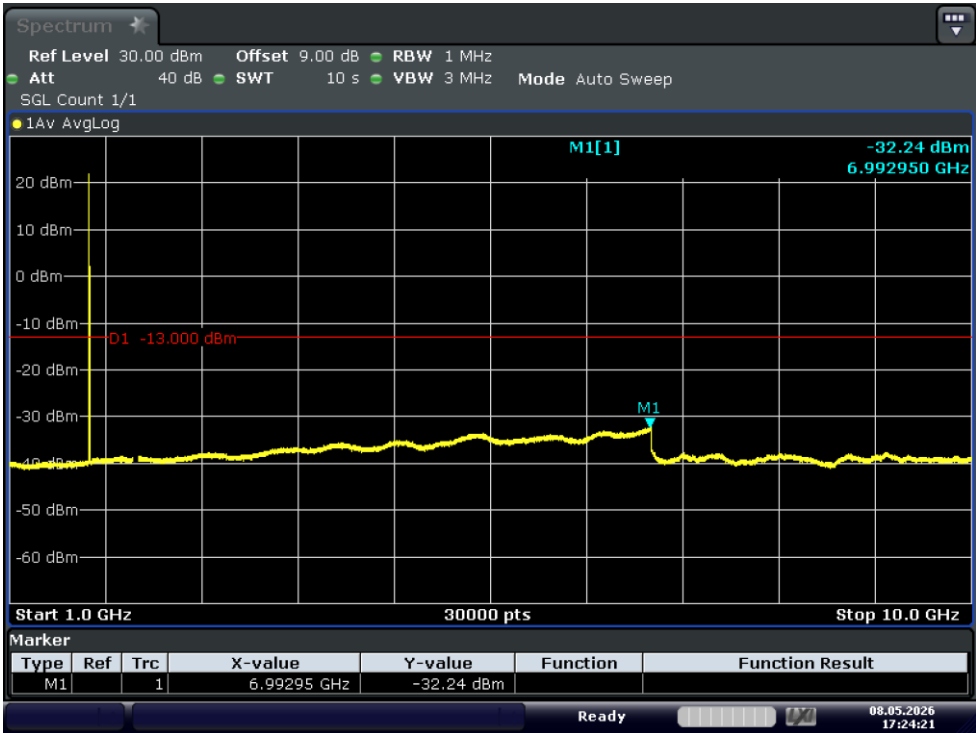


Test_Graph_band66_1710.7MHz_1.4M_QPSK_6RB#LOW_10G_20.0G_TX

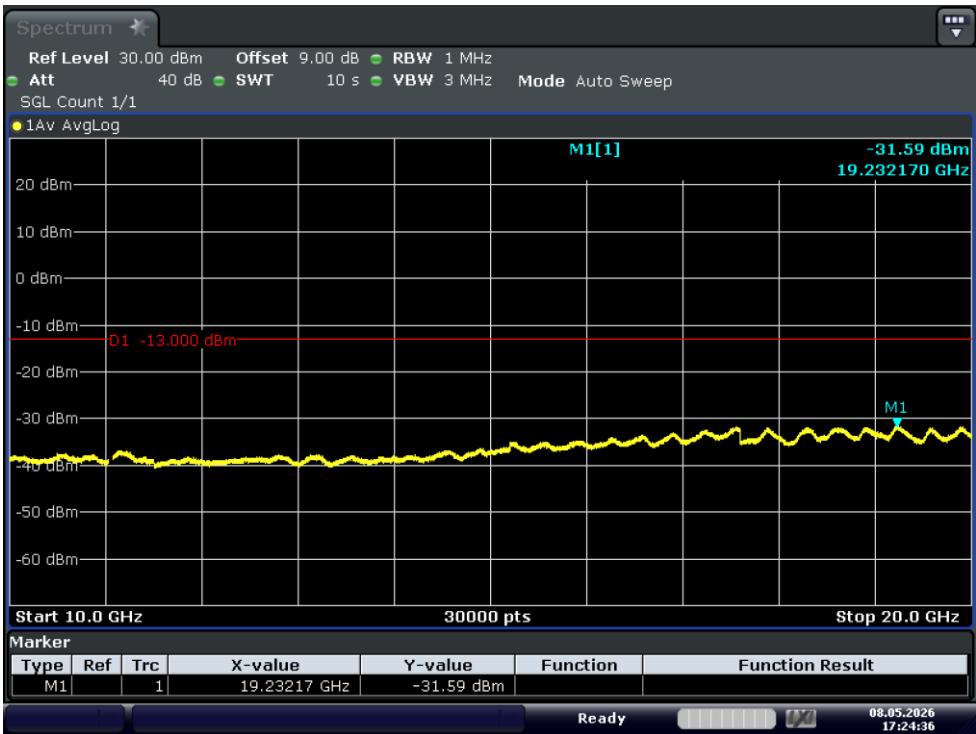


Test_Graph_band66_1745MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX

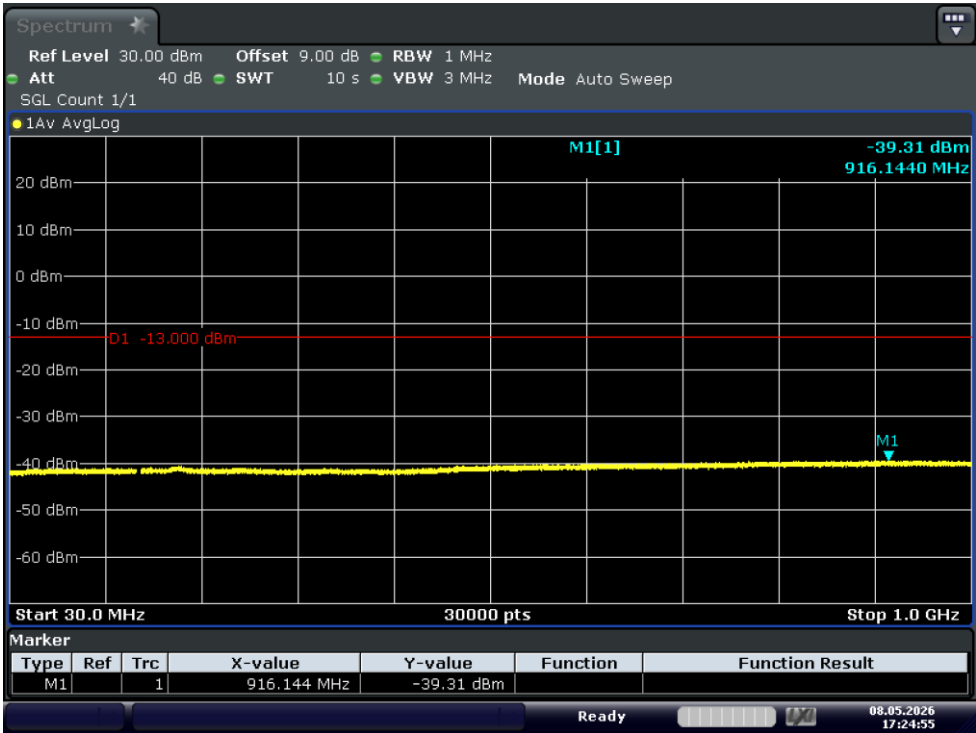




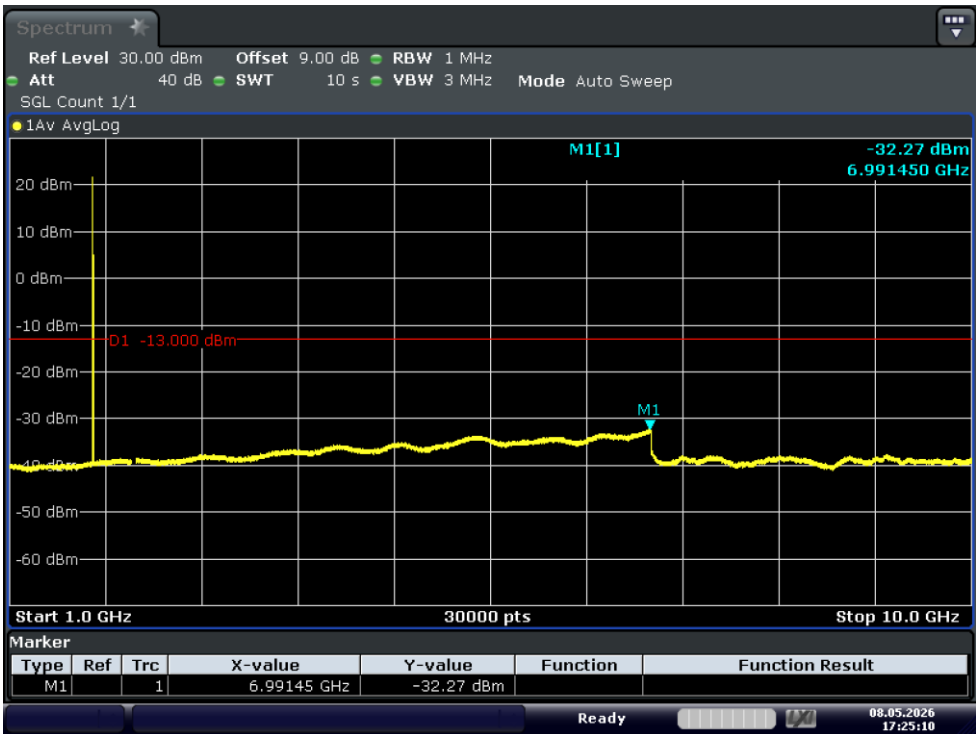
Test_Graph_band66_1745MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX



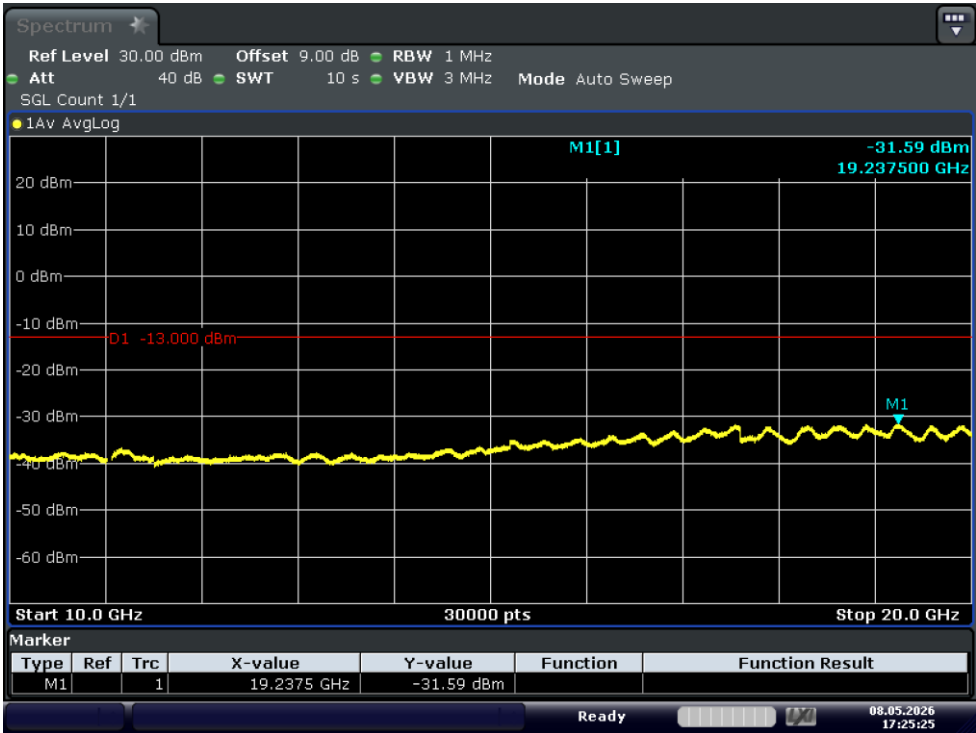
Test_Graph_band66_1745MHz_1.4M_QPSK_6RB#LOW_10G_20.0G_TX



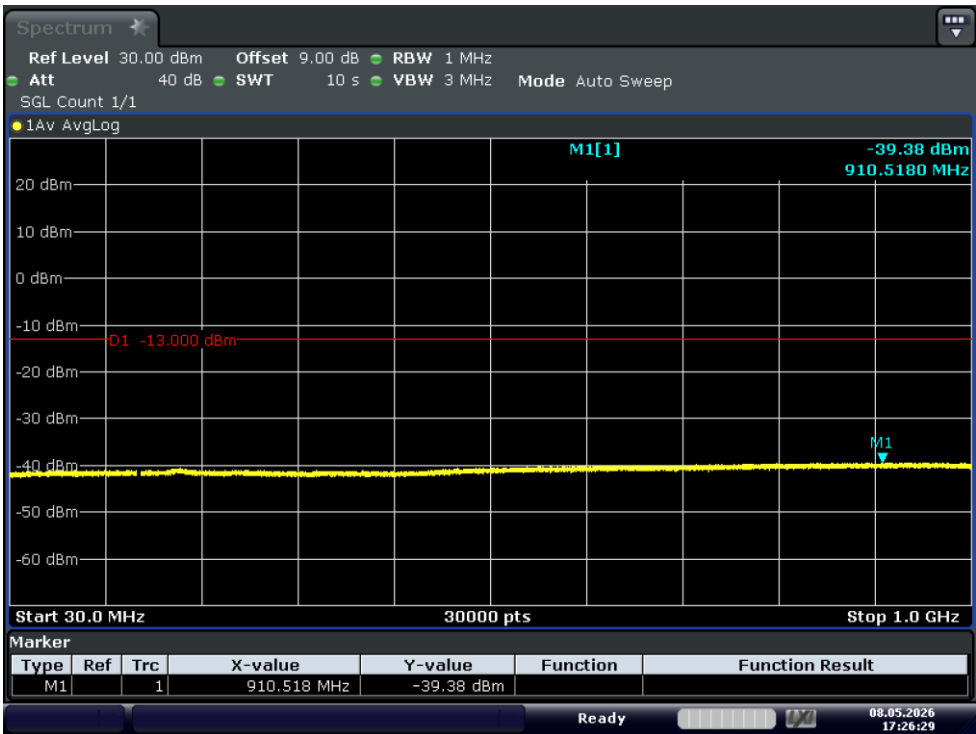
Test_Graph_band66_1779.3MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX



Test_Graph_band66_1779.3MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX

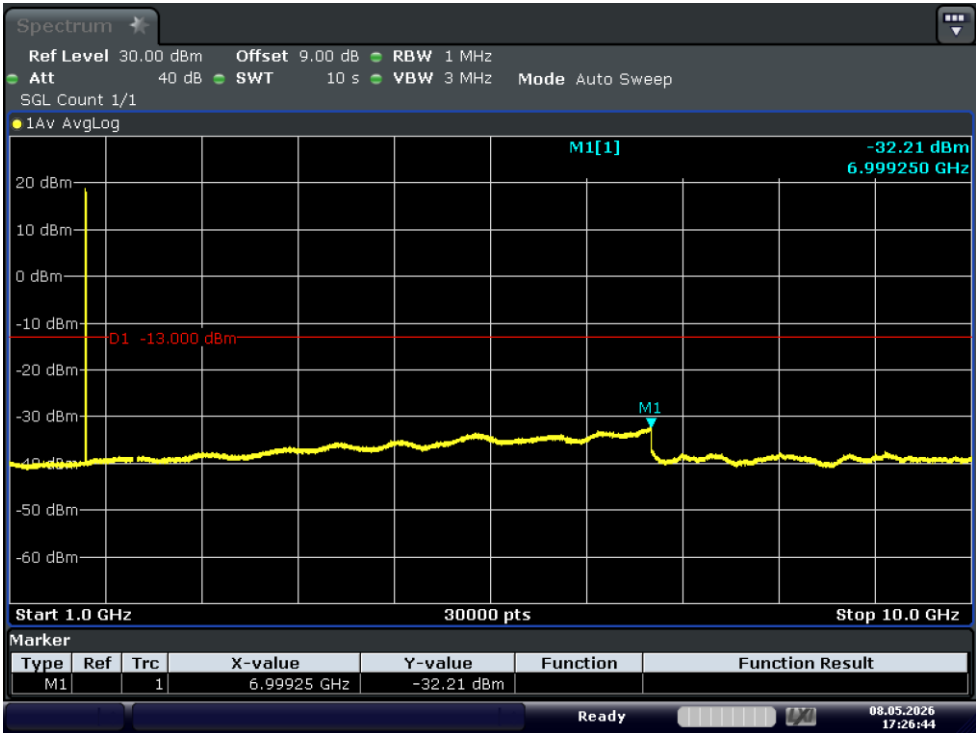


Test_Graph_band66_1779.3MHz_1.4M_QPSK_6RB#LOW_10G_20.0G_TX

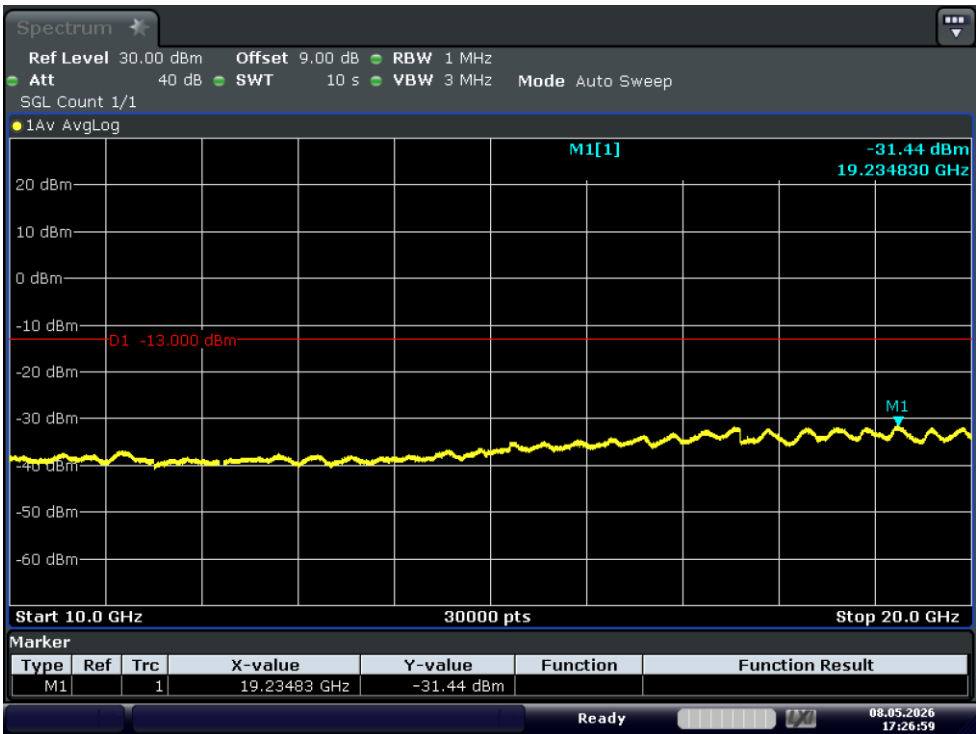


Test_Graph_band66_1711.5MHz_3M_QPSK_15RB#LOW_30M_1G_TX

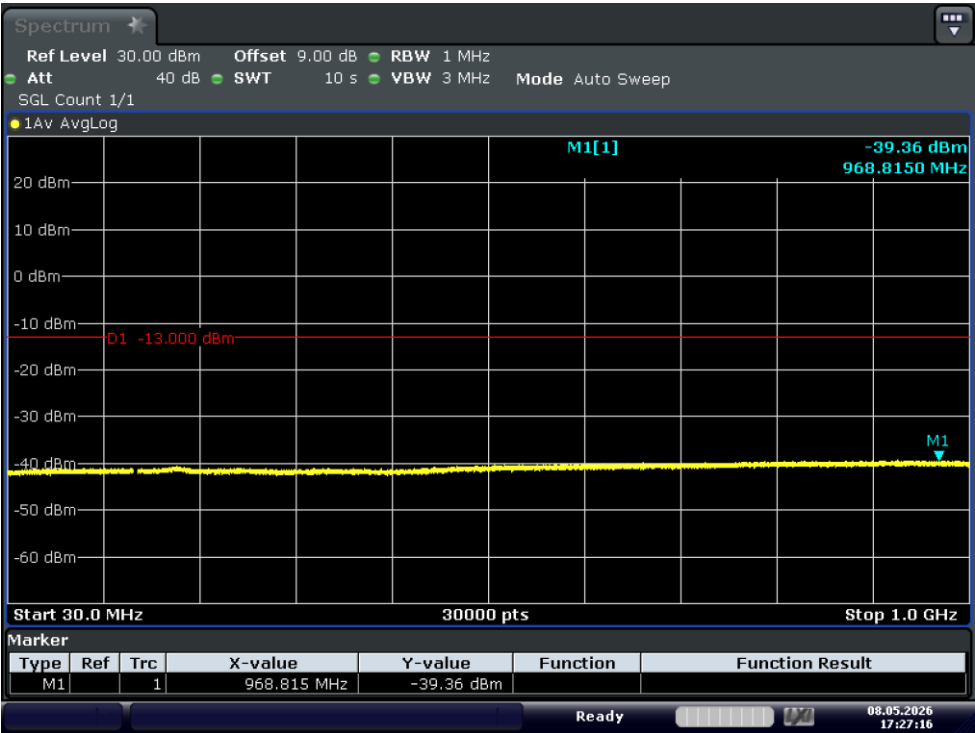




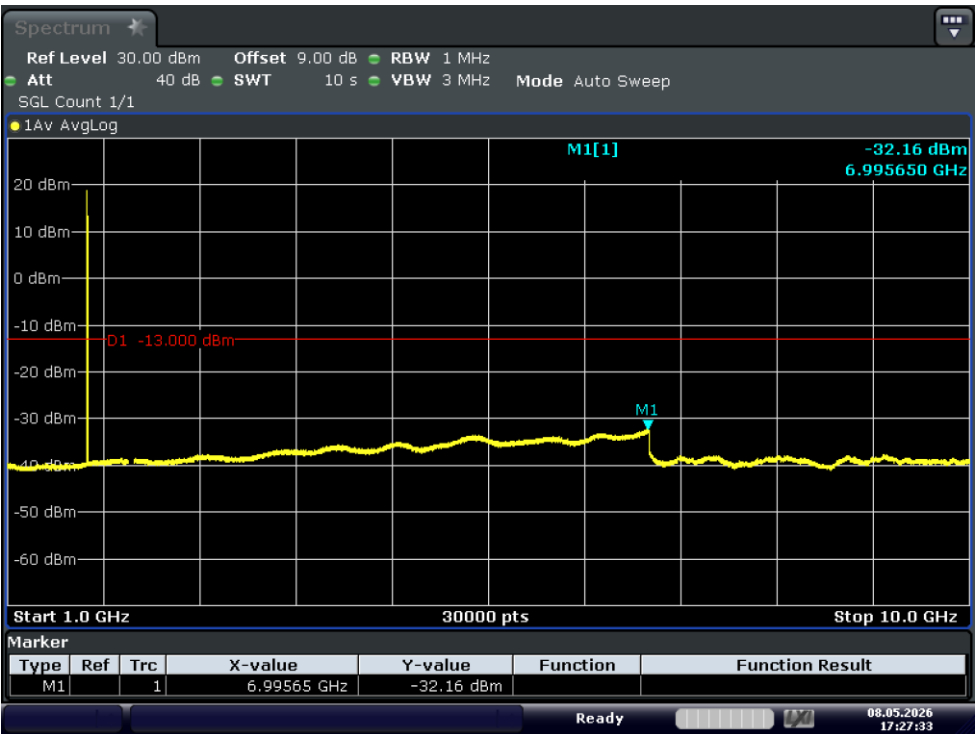
Test_Graph_band66_1711.5MHz_3M_QPSK_15RB#LOW_1G_10G_TX



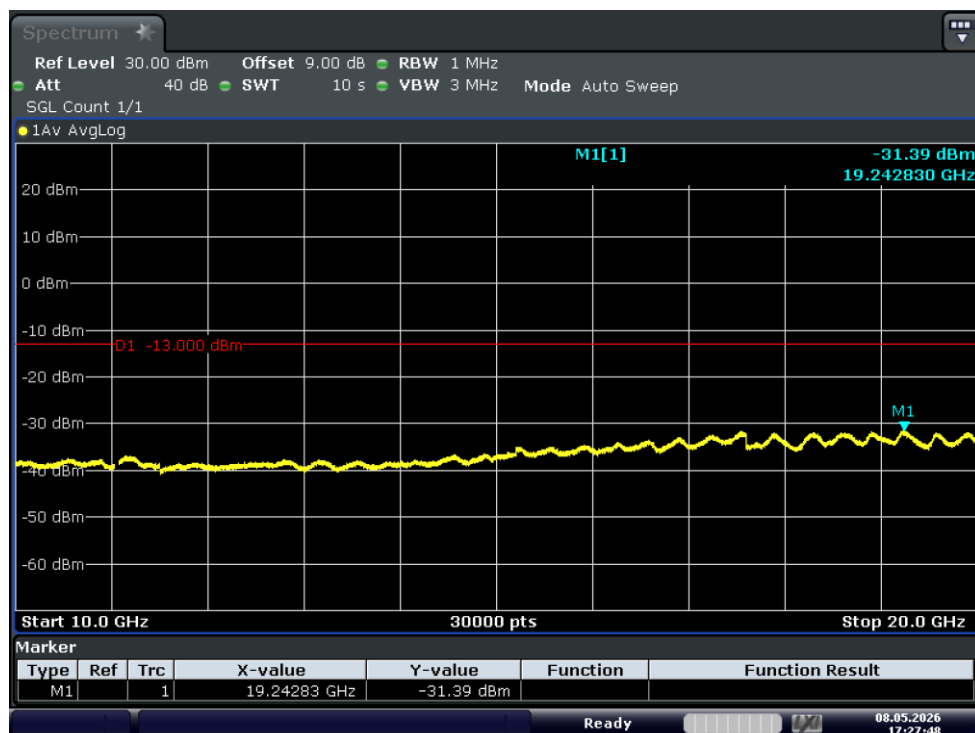
Test_Graph_band66_1711.5MHz_3M_QPSK_15RB#LOW_10G_20.0G_TX



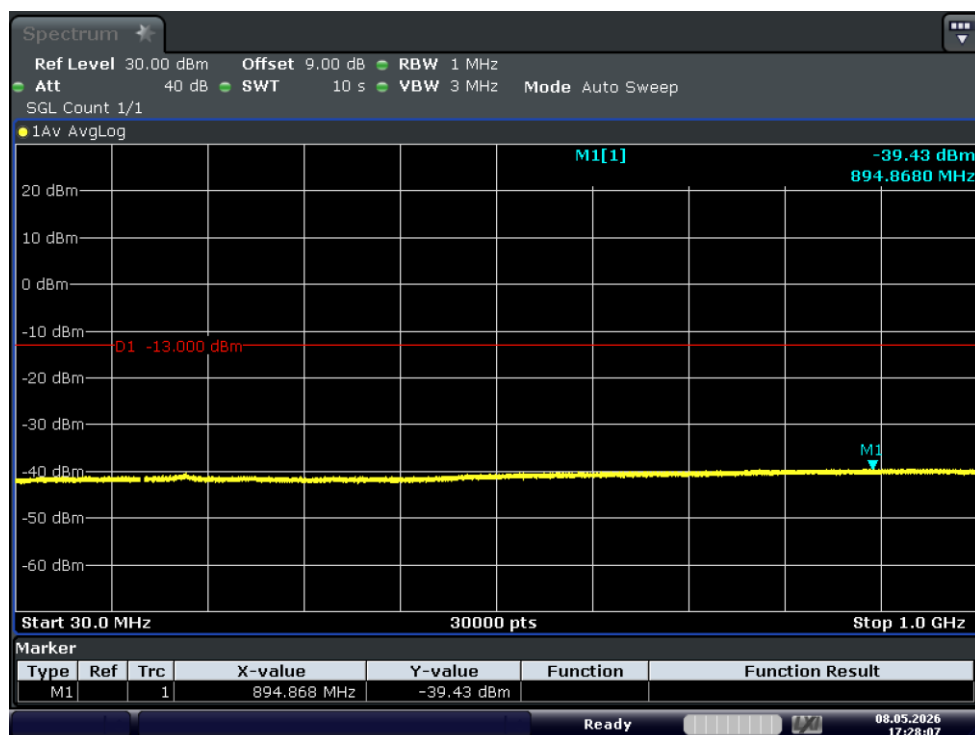
Test_Graph_band66_1745MHz_3M_QPSK_15RB#LOW_30M_1G_TX



Test_Graph_band66_1745MHz_3M_QPSK_15RB#LOW_1G_10G_TX

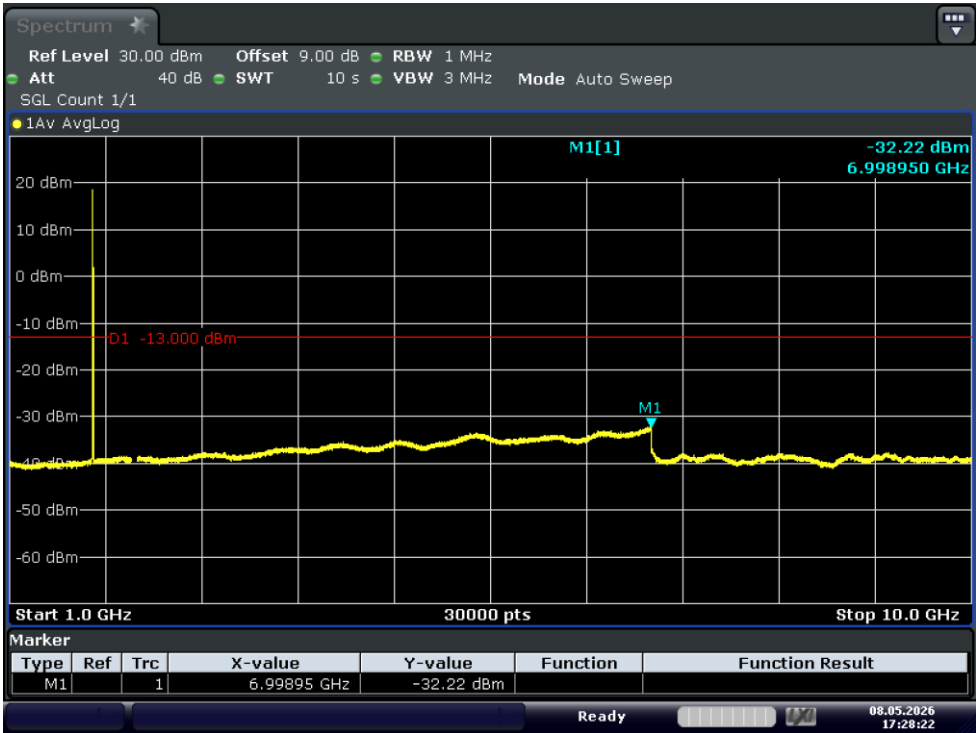


Test_Graph_band66_1745MHz_3M_QPSK_15RB#LOW_10G_20.0G_TX

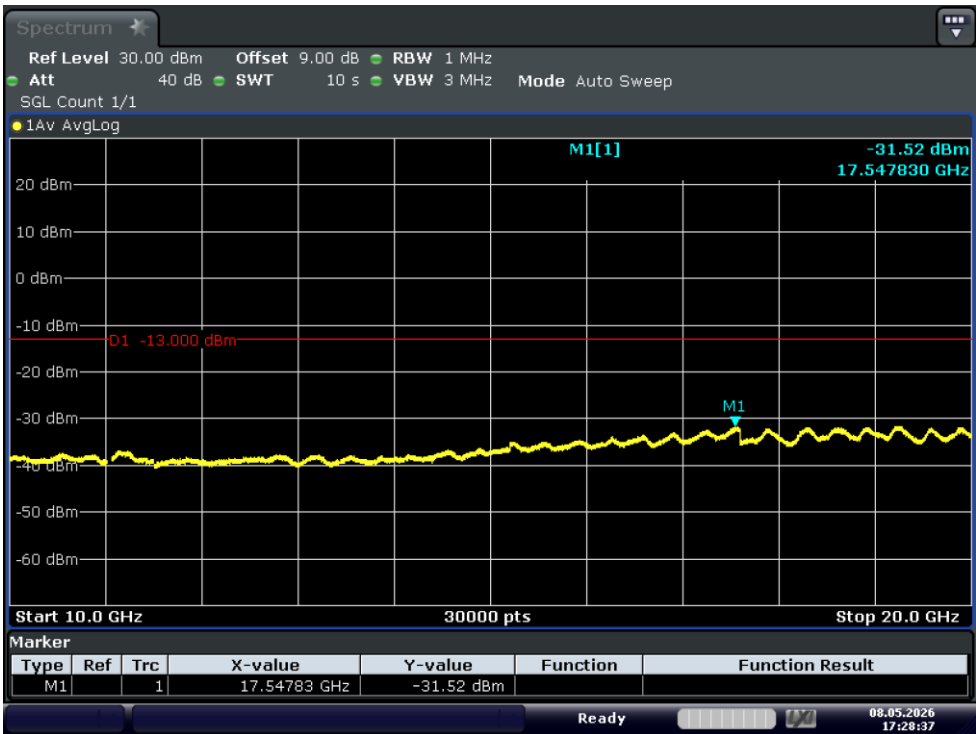


Test_Graph_band66_1778.5MHz_3M_QPSK_15RB#LOW_30M_1G_TX

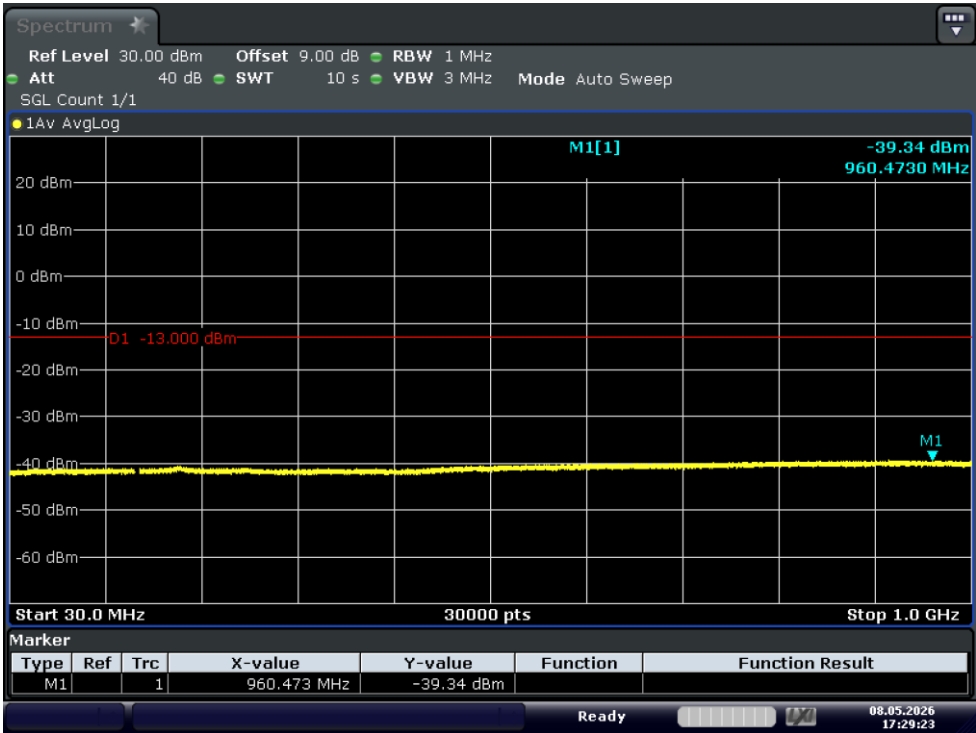




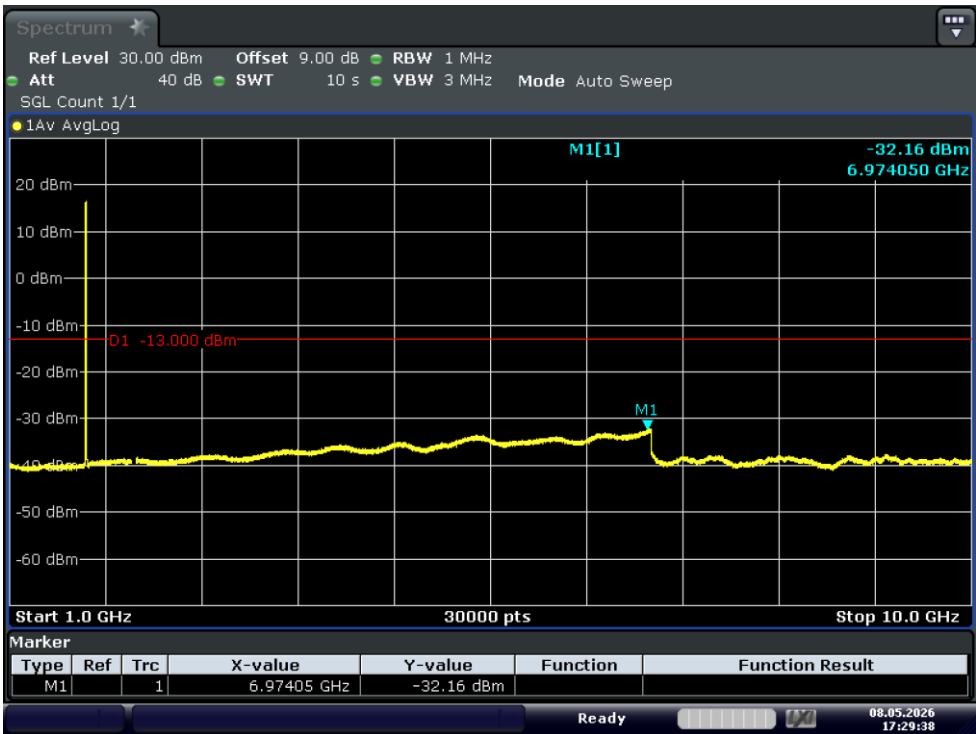
Test_Graph_band66_1778.5MHz_3M_QPSK_15RB#LOW_1G_10G_TX



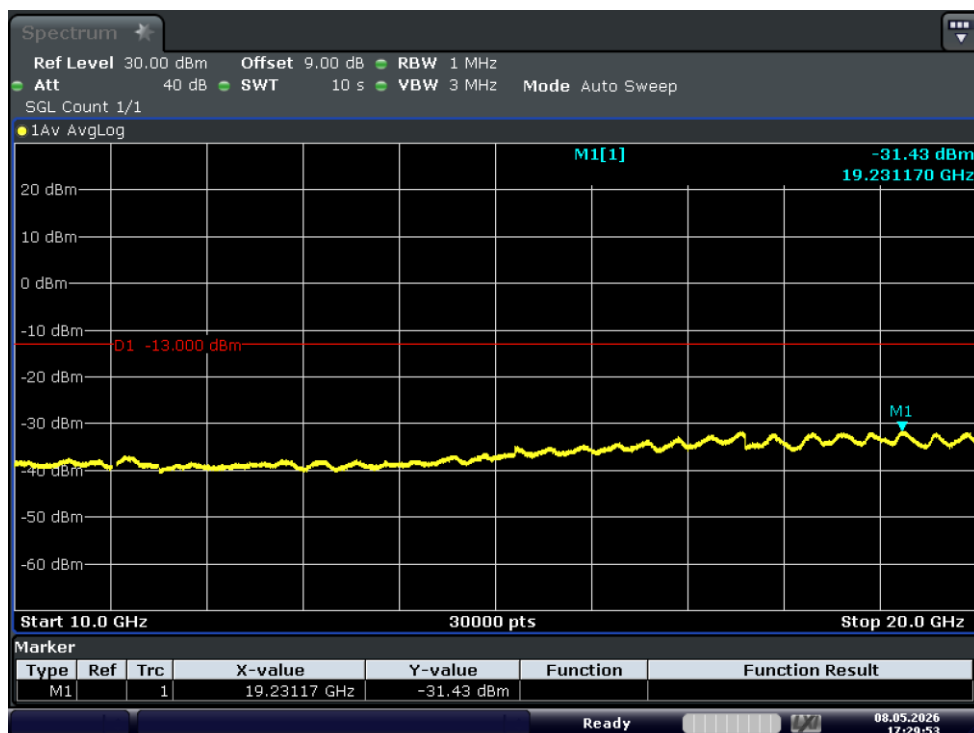
Test_Graph_band66_1778.5MHz_3M_QPSK_15RB#LOW_10G_20.0G_TX



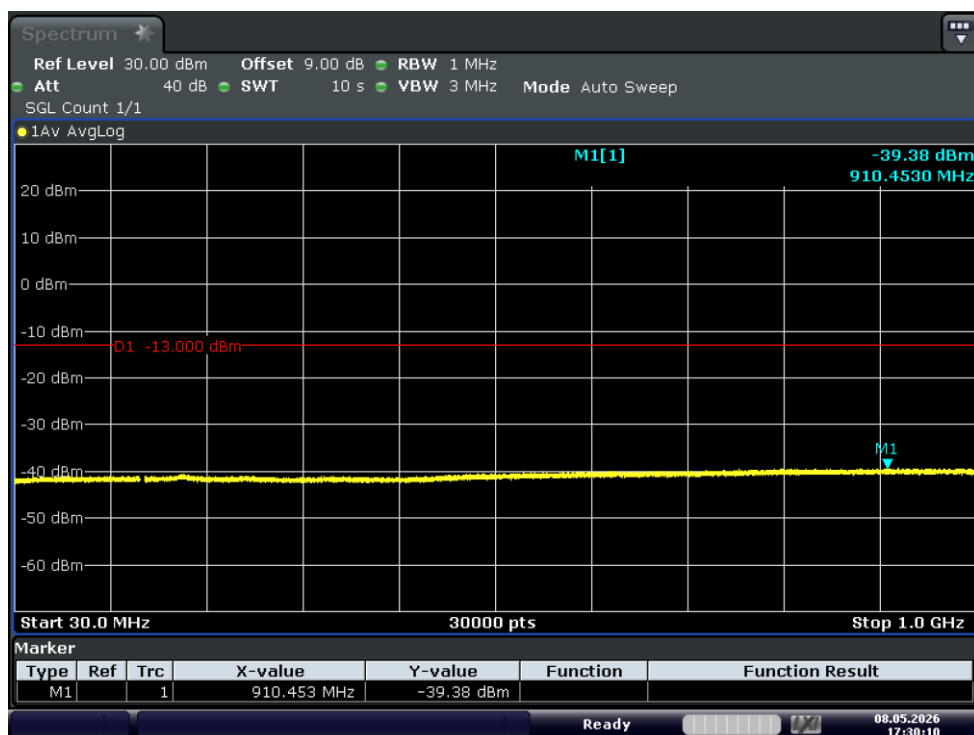
Test_Graph_band66_1712.5MHz_5M_QPSK_25RB#LOW_30M_1G_TX



Test_Graph_band66_1712.5MHz_5M_QPSK_25RB#LOW_1G_10G_TX

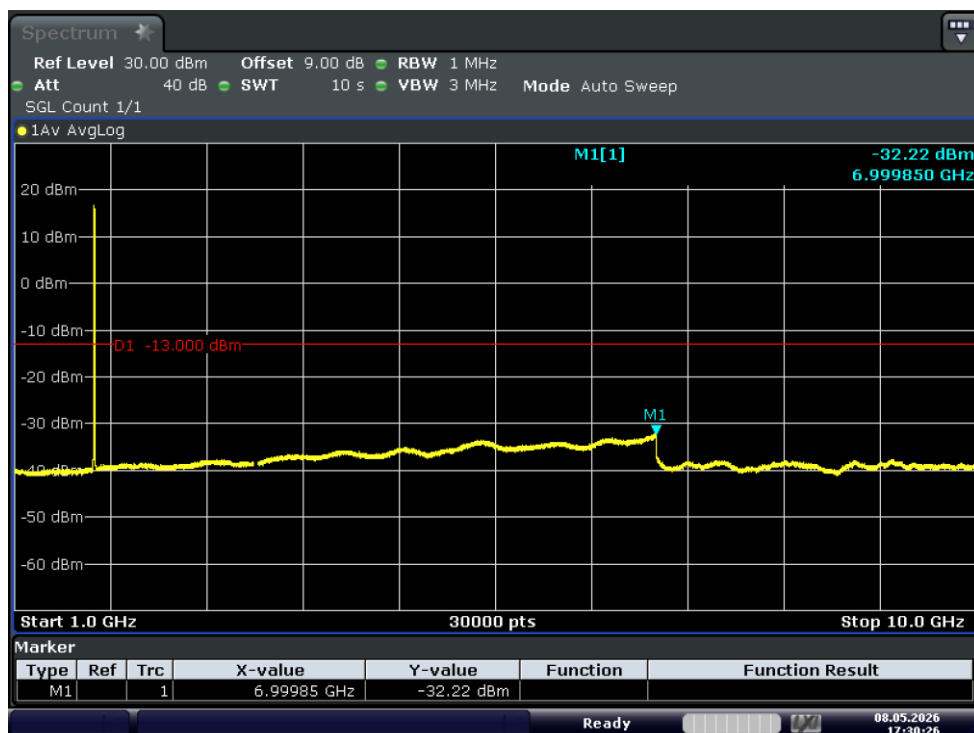


Test_Graph_band66_1712.5MHz_5M_QPSK_25RB#LOW_10G_20.0G_TX

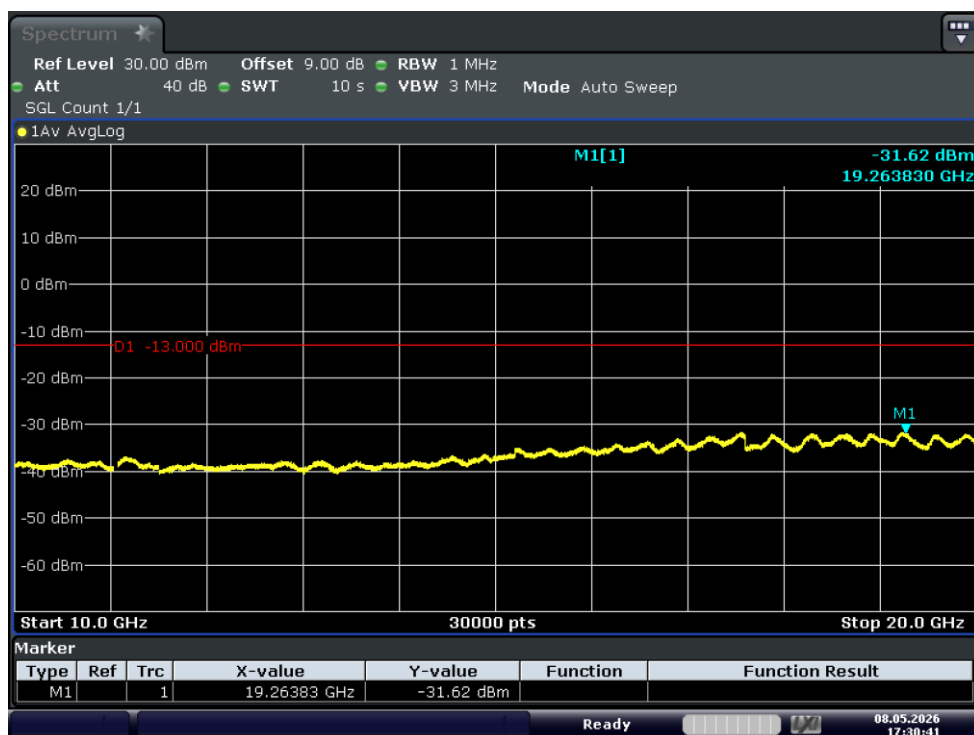


Test_Graph_band66_1745MHz_5M_QPSK_25RB#LOW_30M_1G_TX



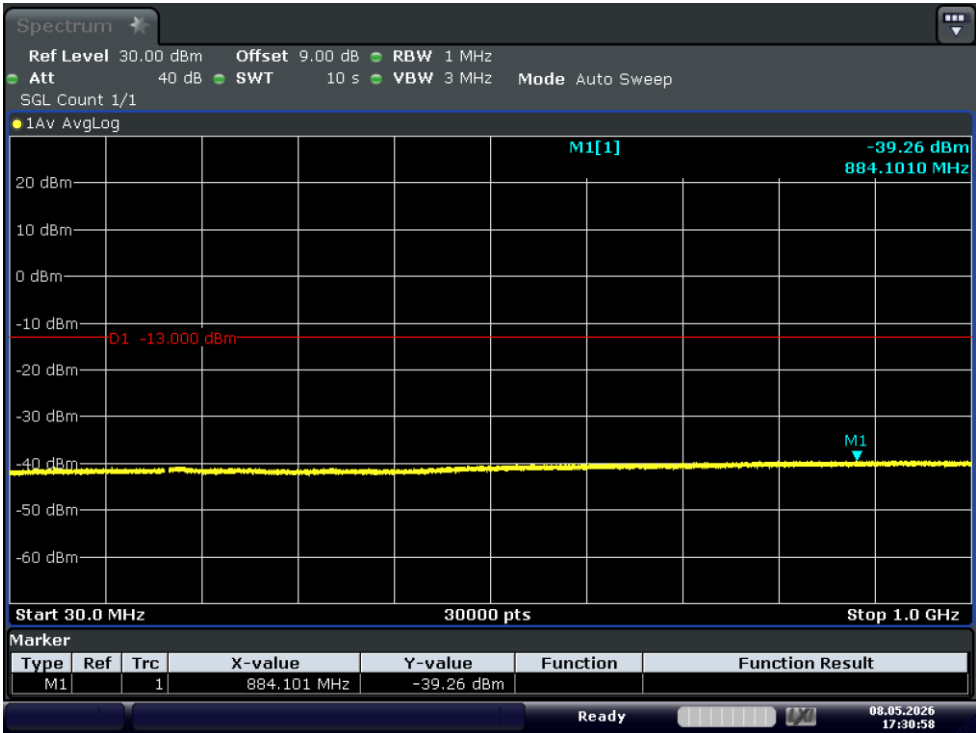


Test_Graph_band66_1745MHz_5M_QPSK_25RB#LOW_1G_10G_TX

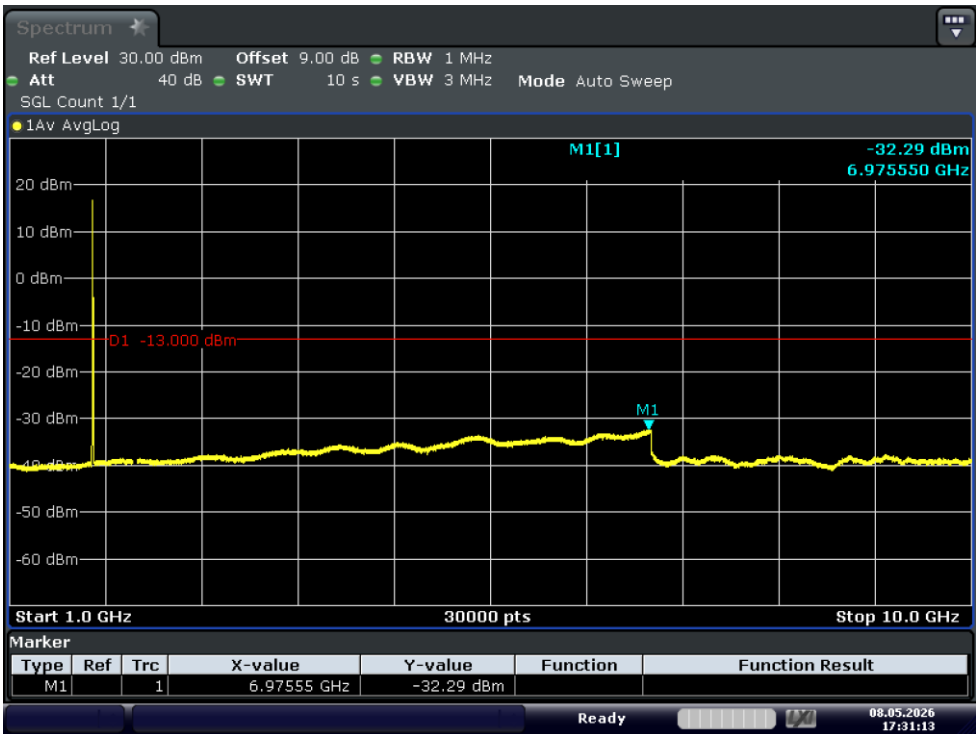


Test_Graph_band66_1745MHz_5M_QPSK_25RB#LOW_10G_20.0G_TX

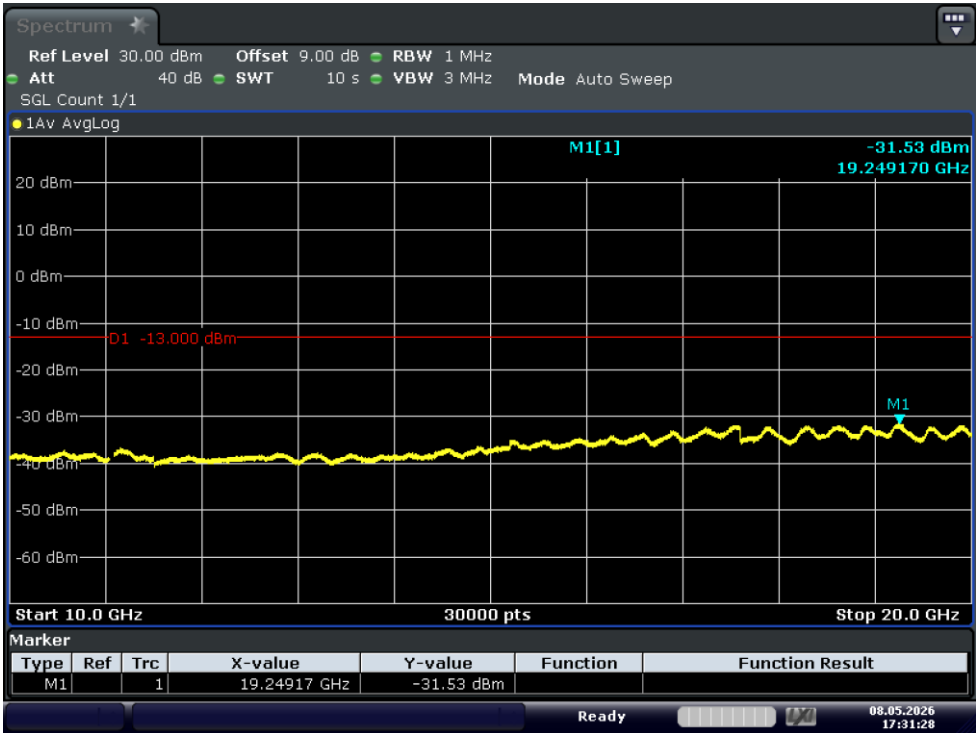




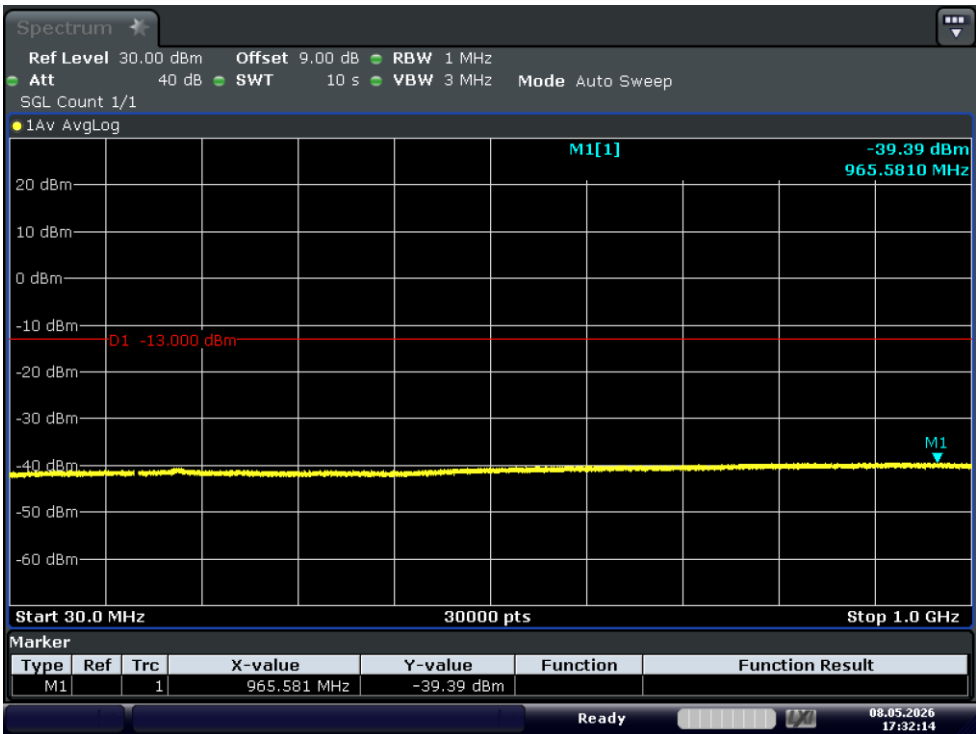
Test_Graph_band66_1777.5MHz_5M_QPSK_25RB#LOW_30M_1G_TX



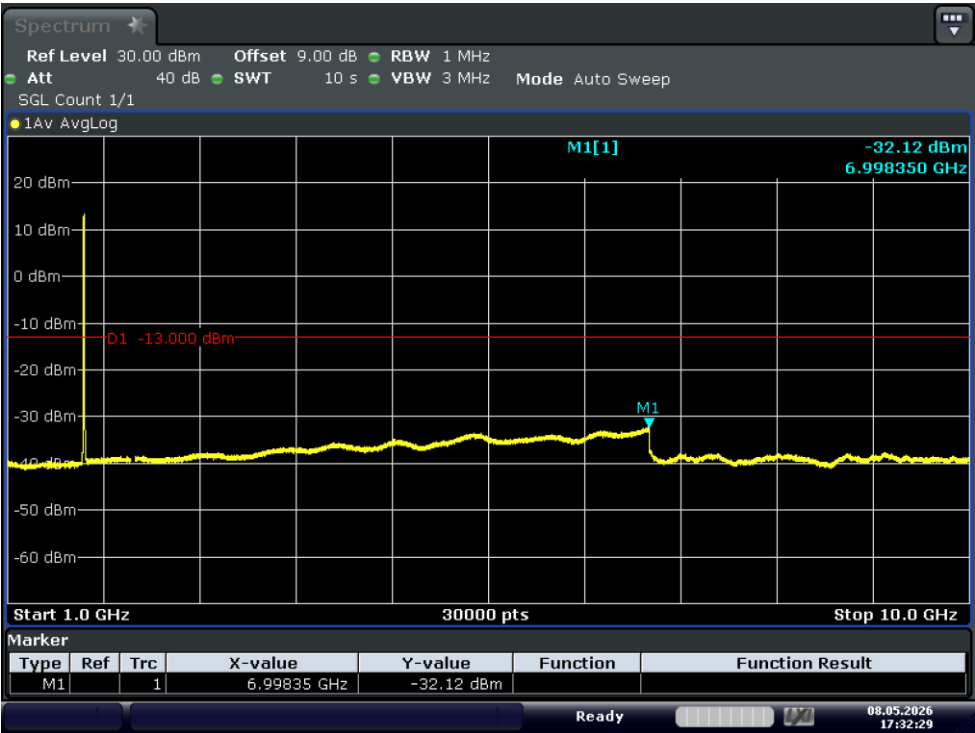
Test_Graph_band66_1777.5MHz_5M_QPSK_25RB#LOW_1G_10G_TX



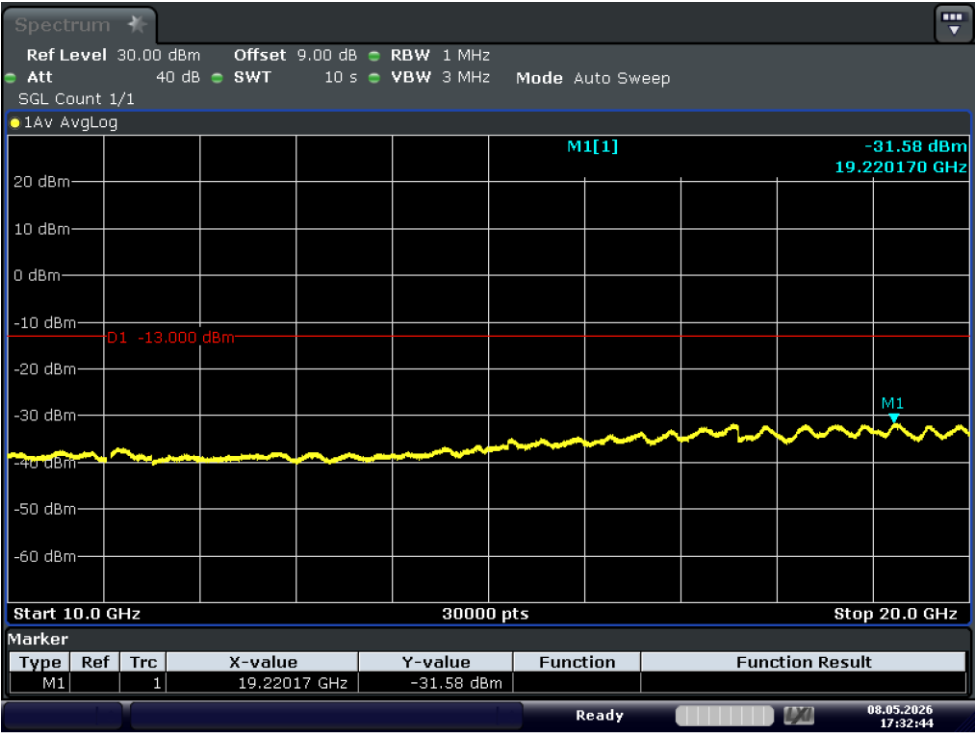
Test_Graph_band66_1777.5MHz_5M_QPSK_25RB#LOW_10G_20.0G_TX



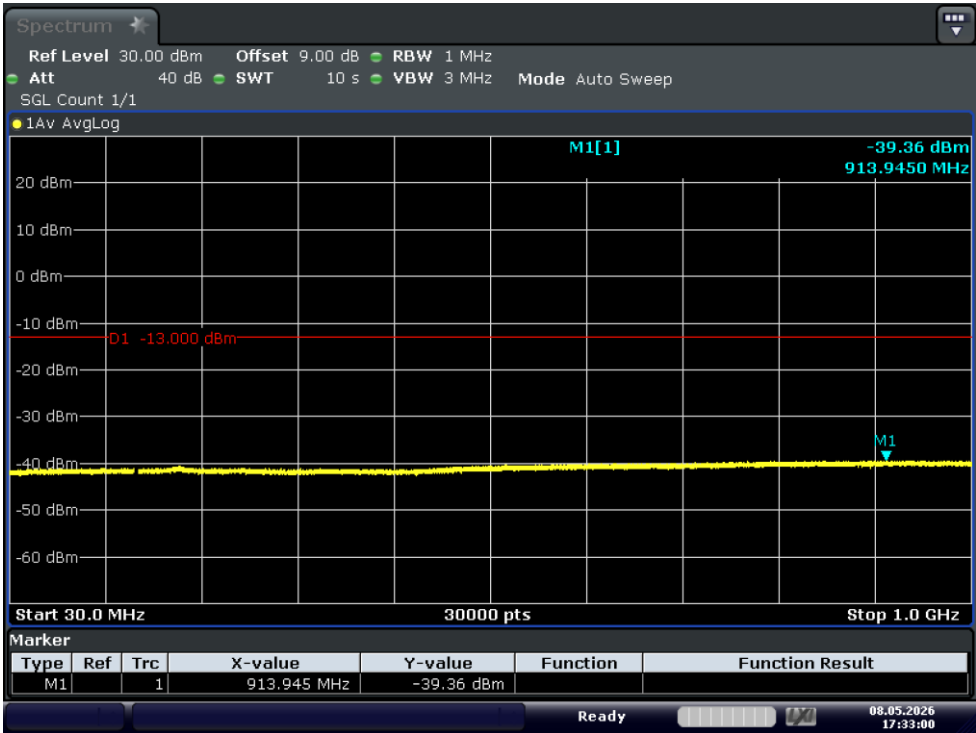
Test_Graph_band66_1715MHz_10M_QPSK_50RB#LOW_30M_1G_TX



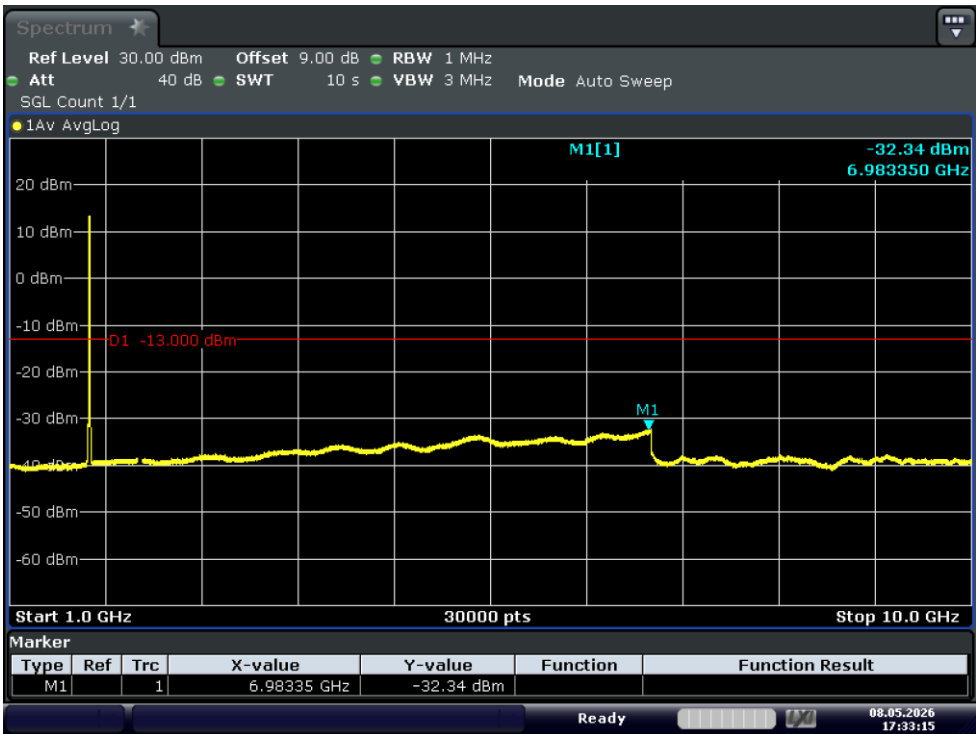
Test_Graph_band66_1715MHz_10M_QPSK_50RB#LOW_1G_10G_TX



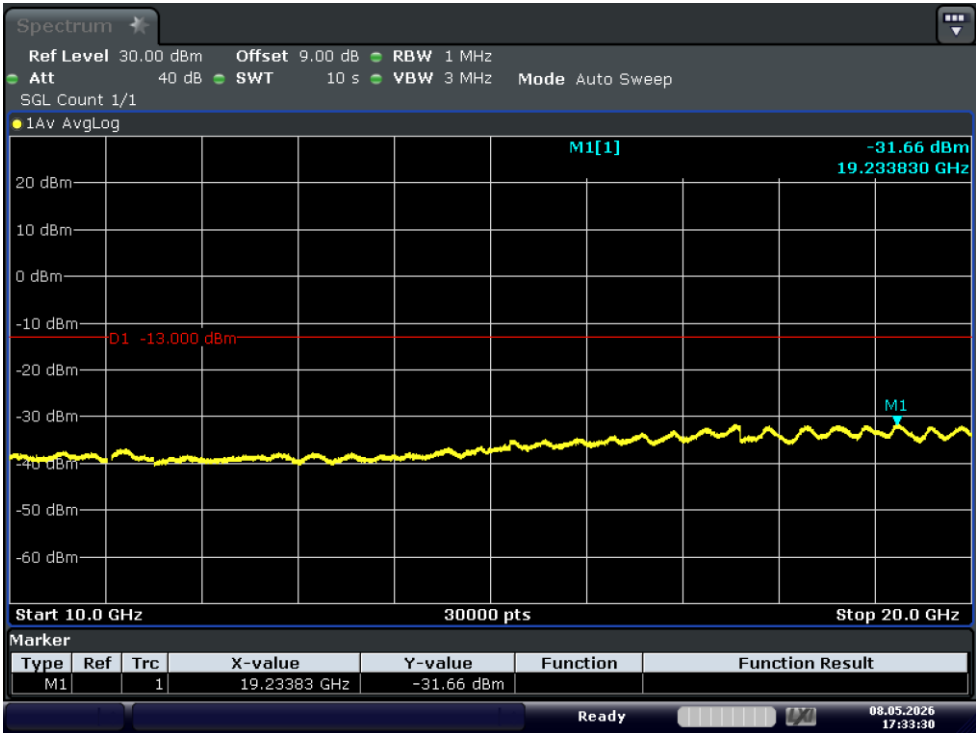
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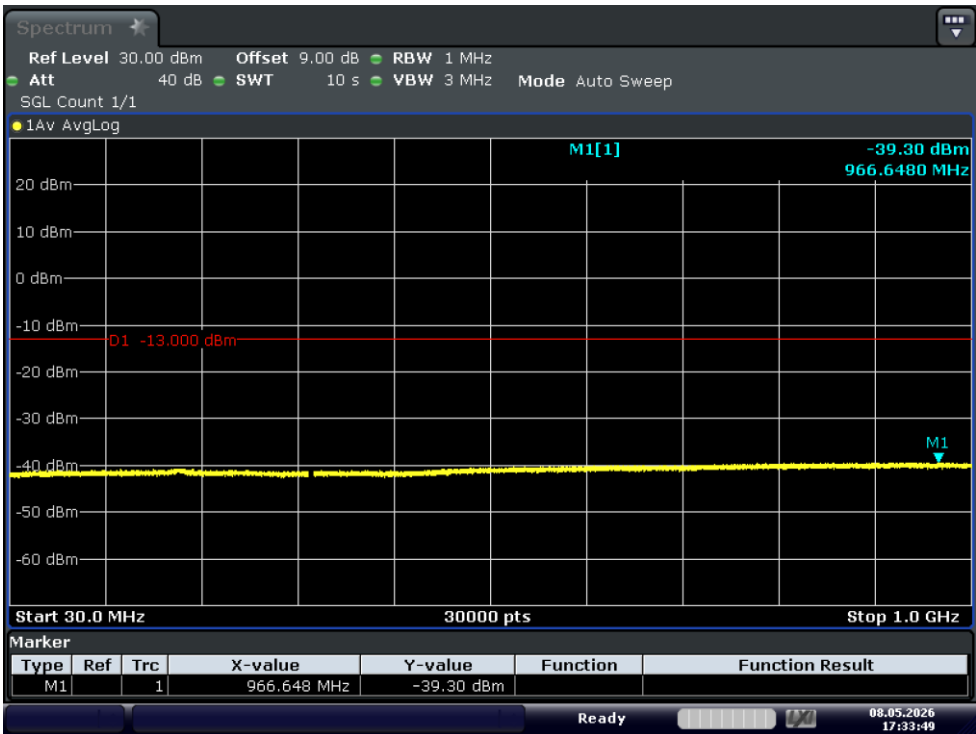
Test_Graph_band66_1745MHz_10M_QPSK_50RB#LOW_30M_1G_TX



Test_Graph_band66_1745MHz_10M_QPSK_50RB#LOW_1G_10G_TX

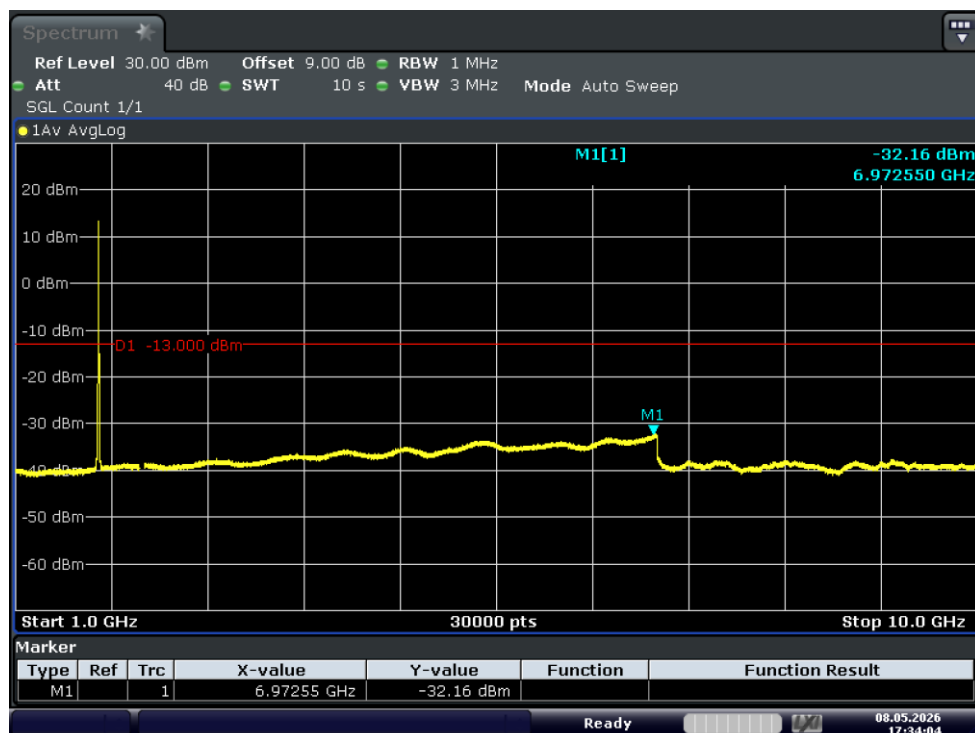


Test_Graph_band66_1745MHz_10M_QPSK_50RB#LOW_10G_20.0G_TX

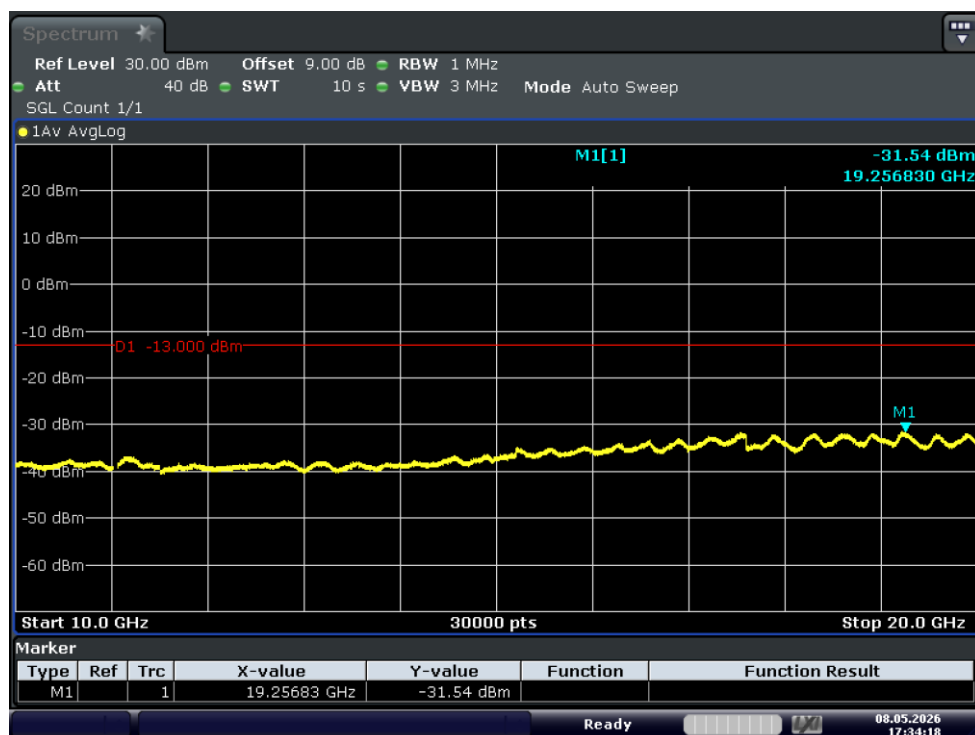


Test_Graph_band66_1775MHz_10M_QPSK_50RB#LOW_30M_1G_TX



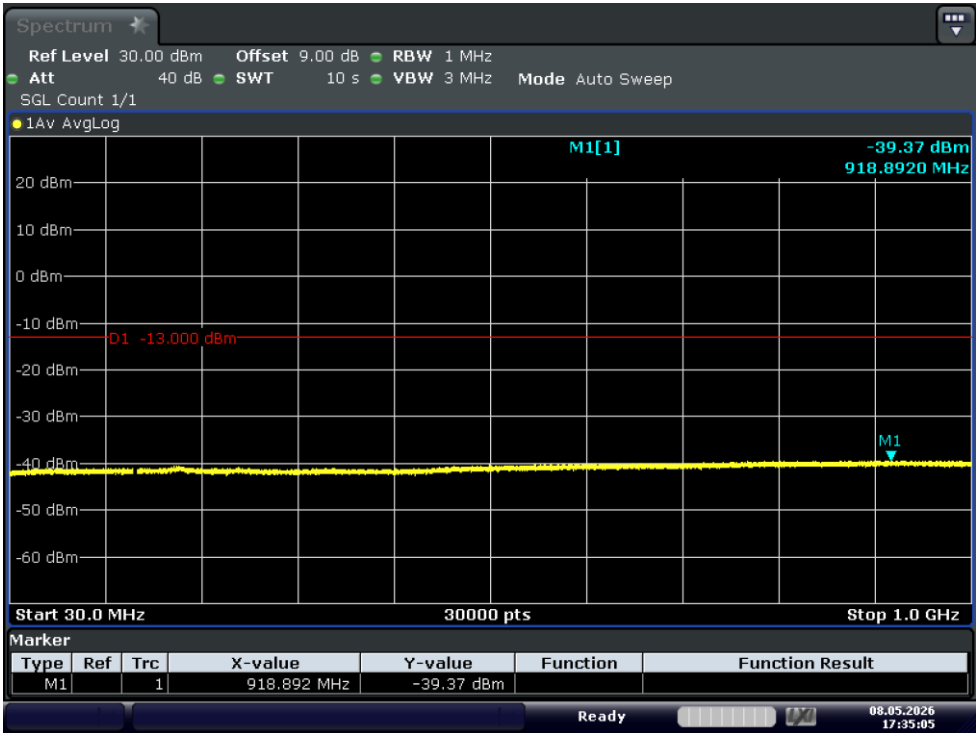


Test_Graph_band66_1775MHz_10M_QPSK_50RB#LOW_1G_10G_TX

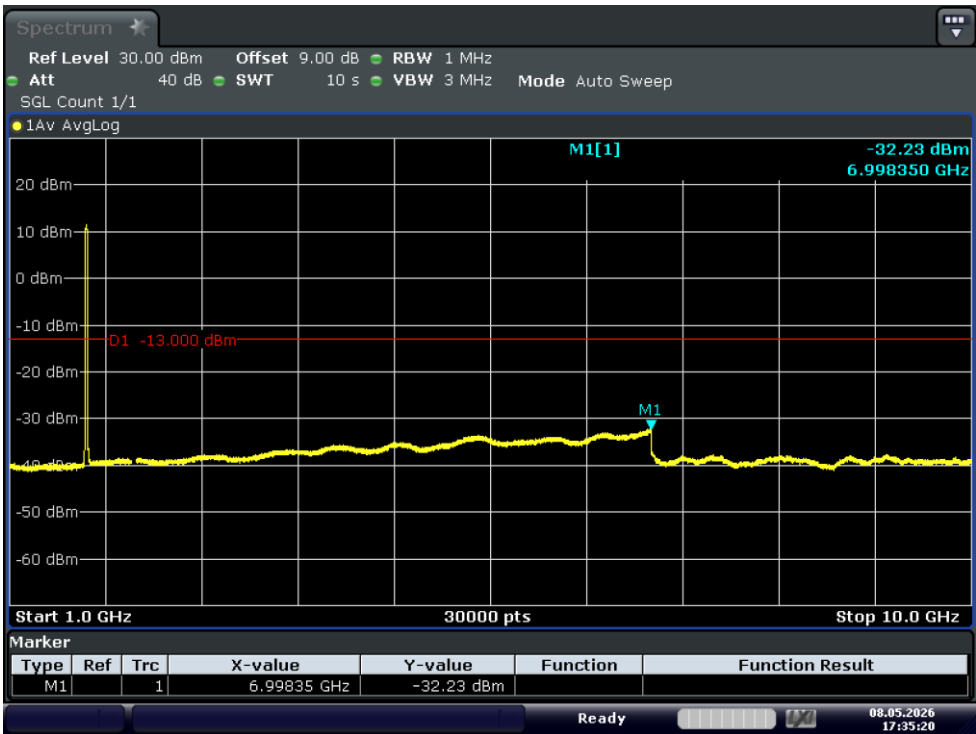


Test_Graph_band66_1775MHz_10M_QPSK_50RB#LOW_10G_20.0G_TX

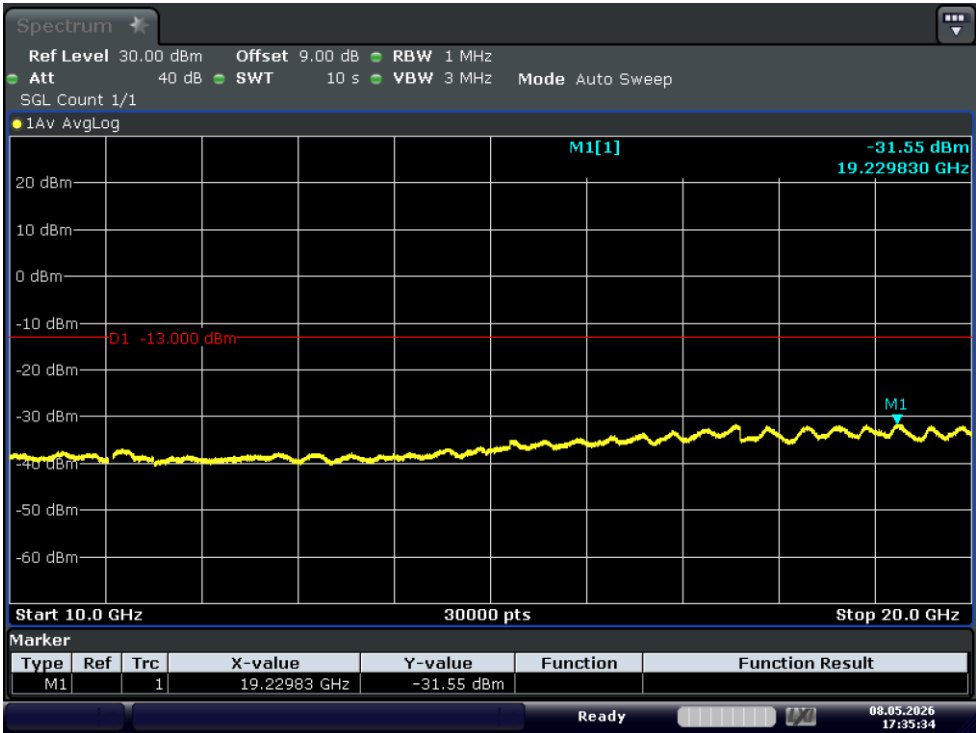




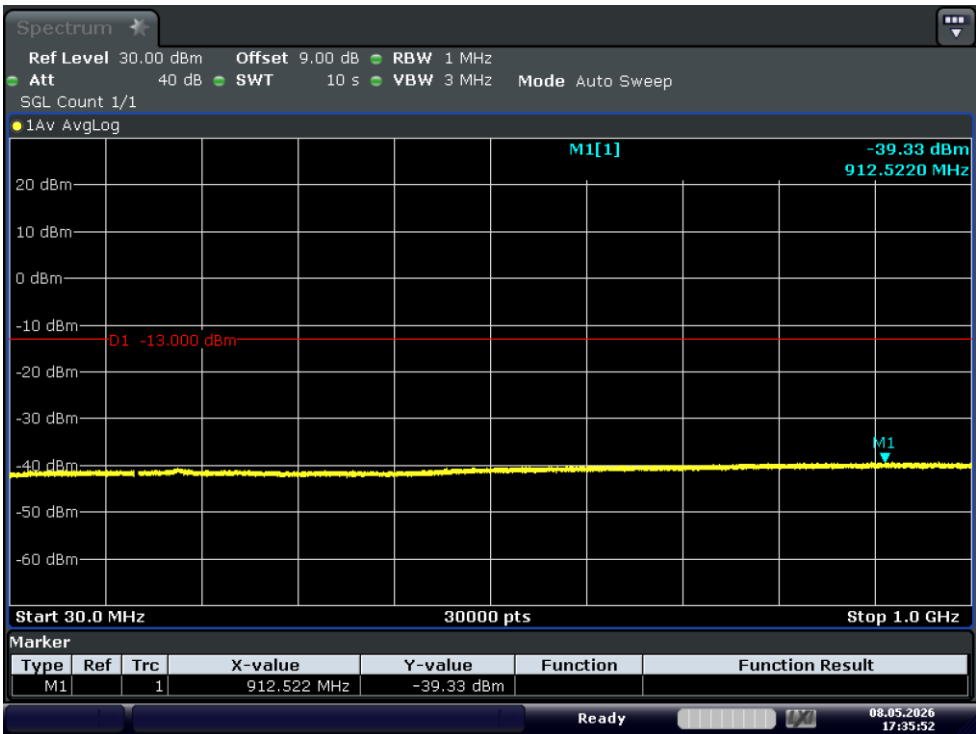
Test_Graph_band66_1717.5MHz_15M_QPSK_75RB#LOW_30M_1G_TX



Test_Graph_band66_1717.5MHz_15M_QPSK_75RB#LOW_1G_10G_TX

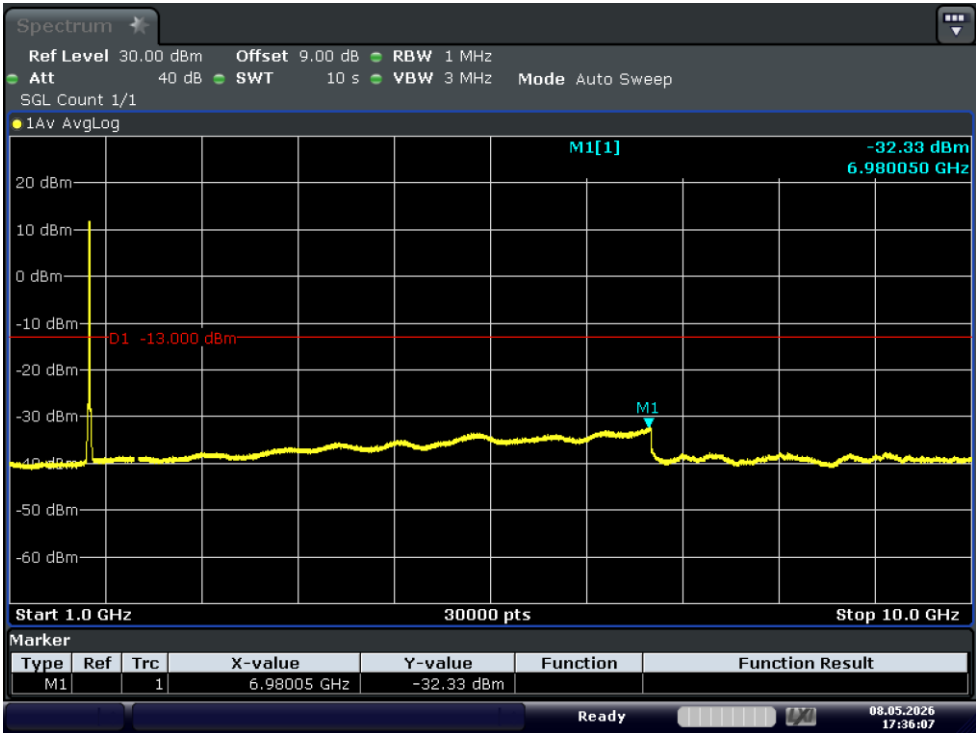


Test_Graph_band66_1717.5MHz_15M_QPSK_75RB#LOW_10G_20.0G_TX

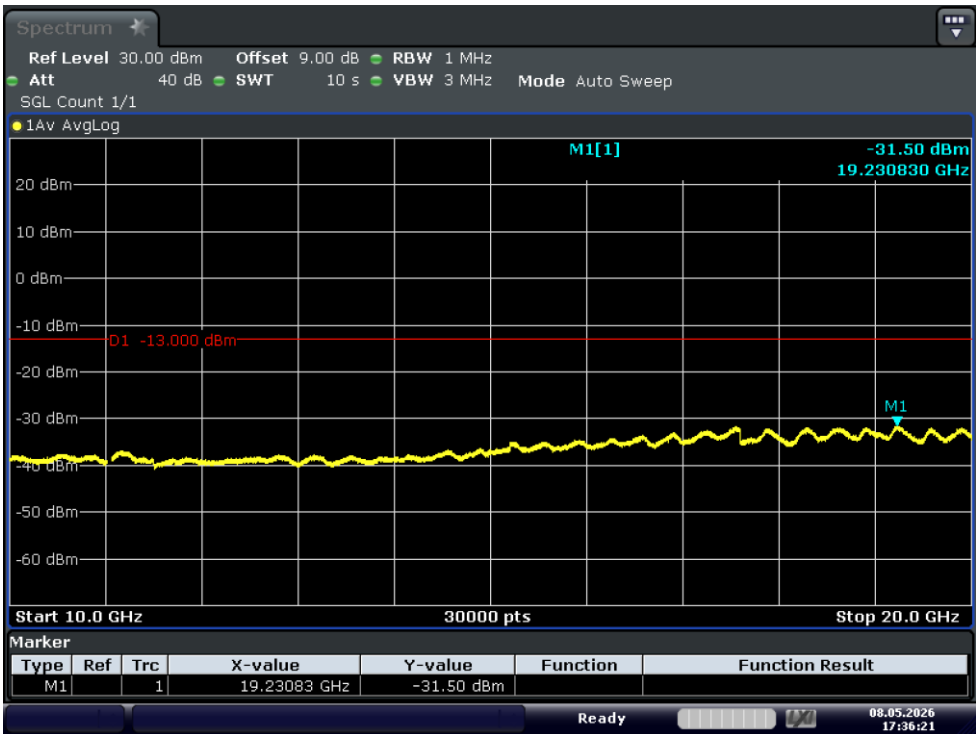


Test_Graph_band66_1745MHz_15M_QPSK_75RB#LOW_30M_1G_TX

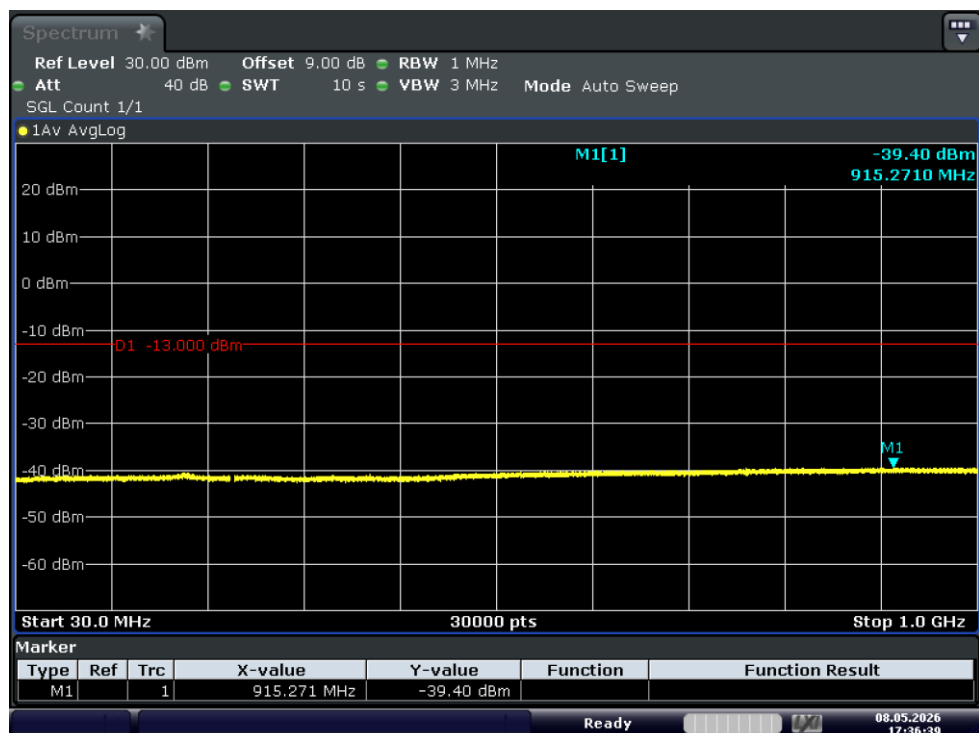




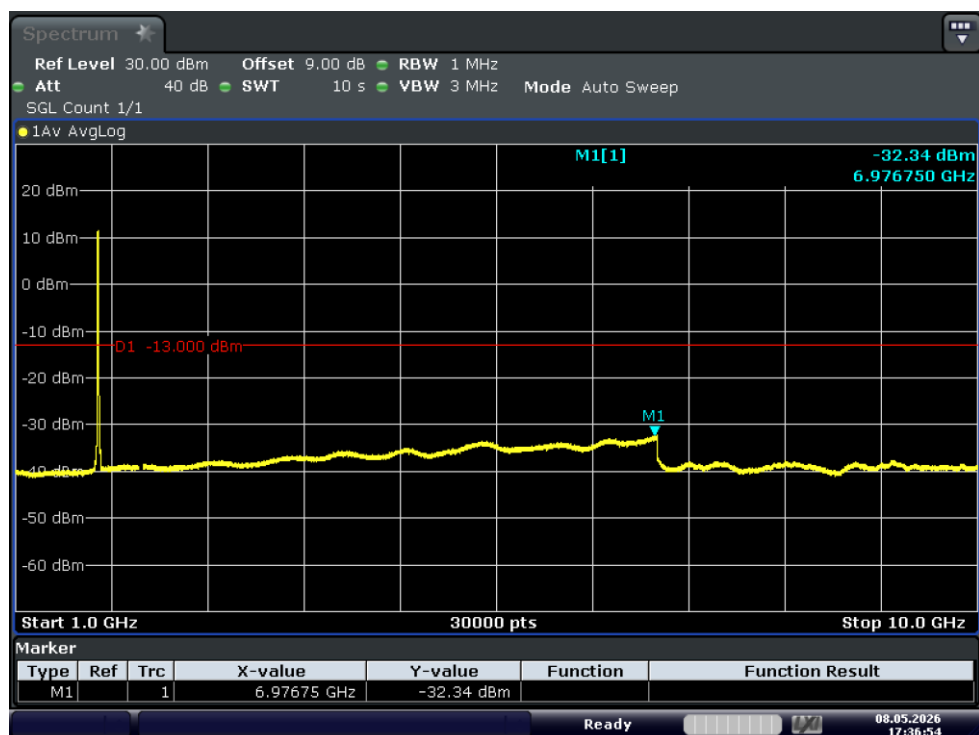
Test_Graph_band66_1745MHz_15M_QPSK_75RB#LOW_1G_10G_TX



Test_Graph_band66_1745MHz_15M_QPSK_75RB#LOW_10G_20.0G_TX

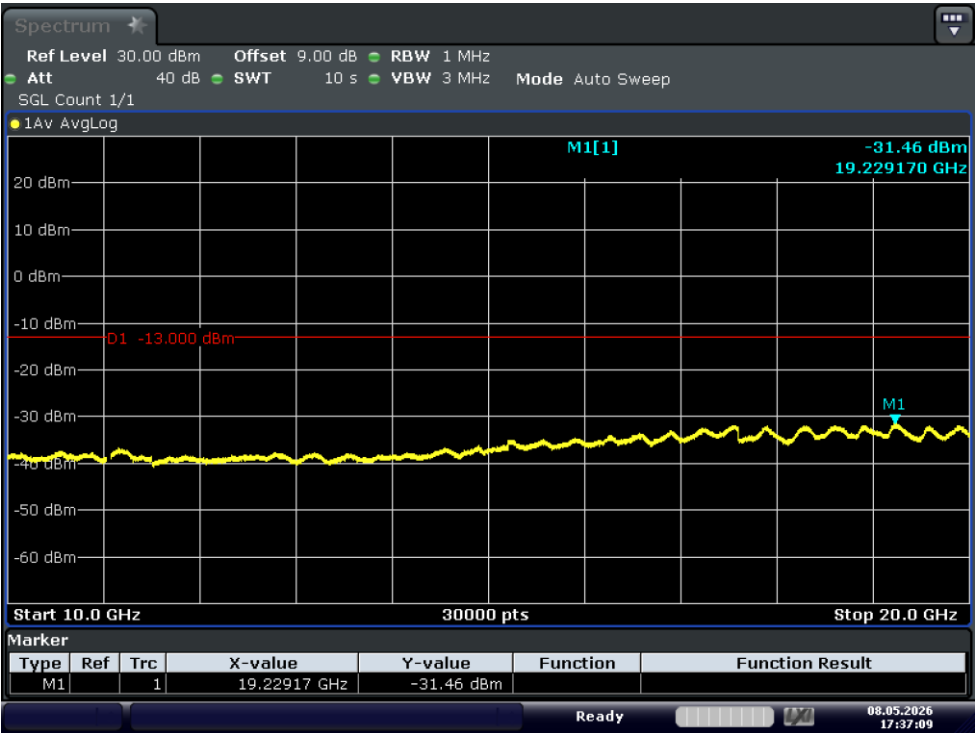


Test_Graph_band66_1772.5MHz_15M_QPSK_75RB#LOW_30M_1G_TX

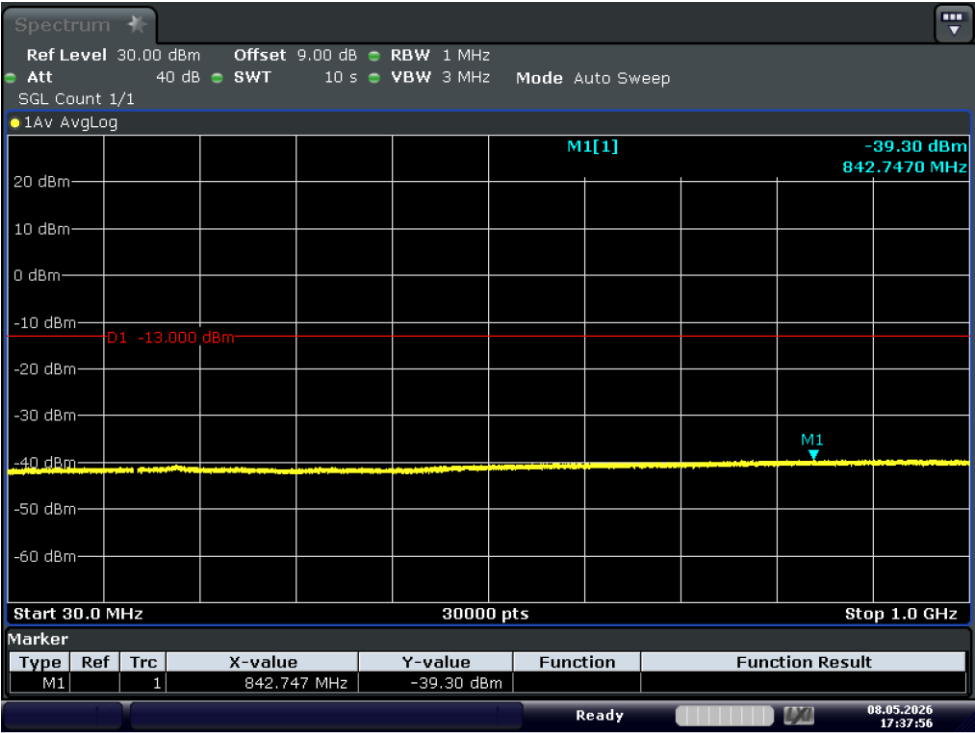


Test_Graph_band66_1772.5MHz_15M_QPSK_75RB#LOW_1G_10G_TX

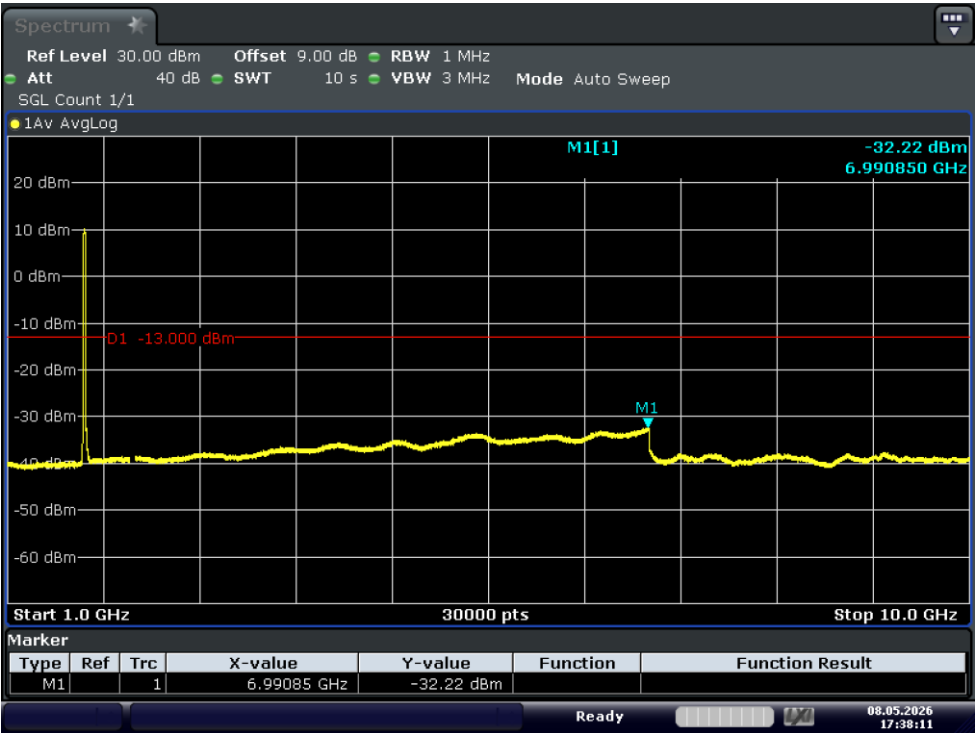




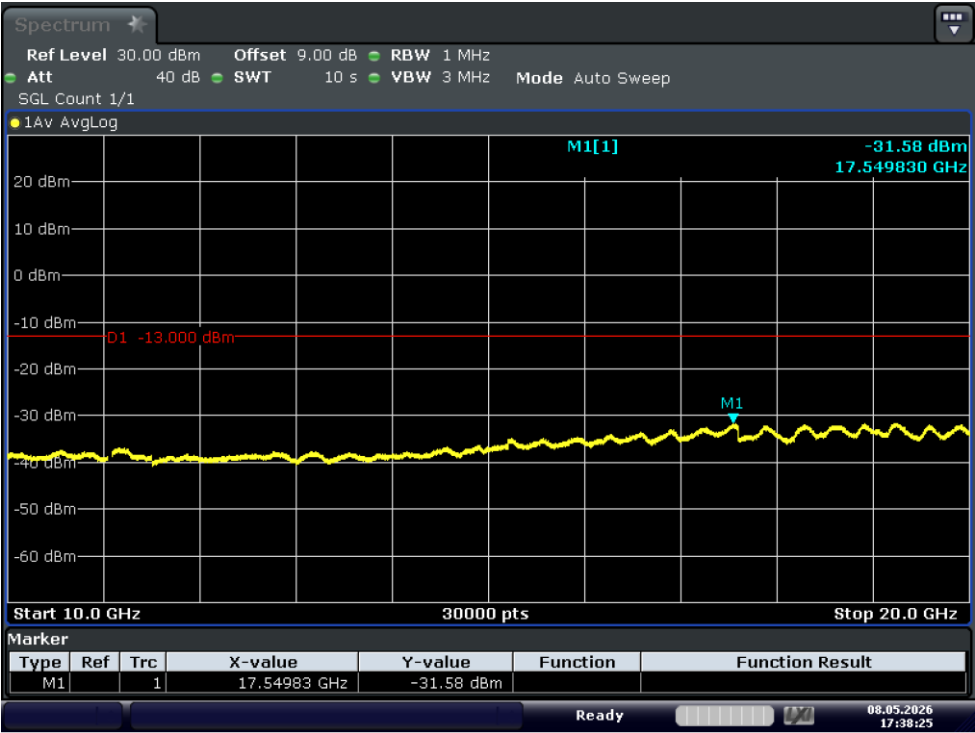
Test_Graph_band66_1772.5MHz_15M_QPSK_75RB#LOW_10G_20.0G_TX



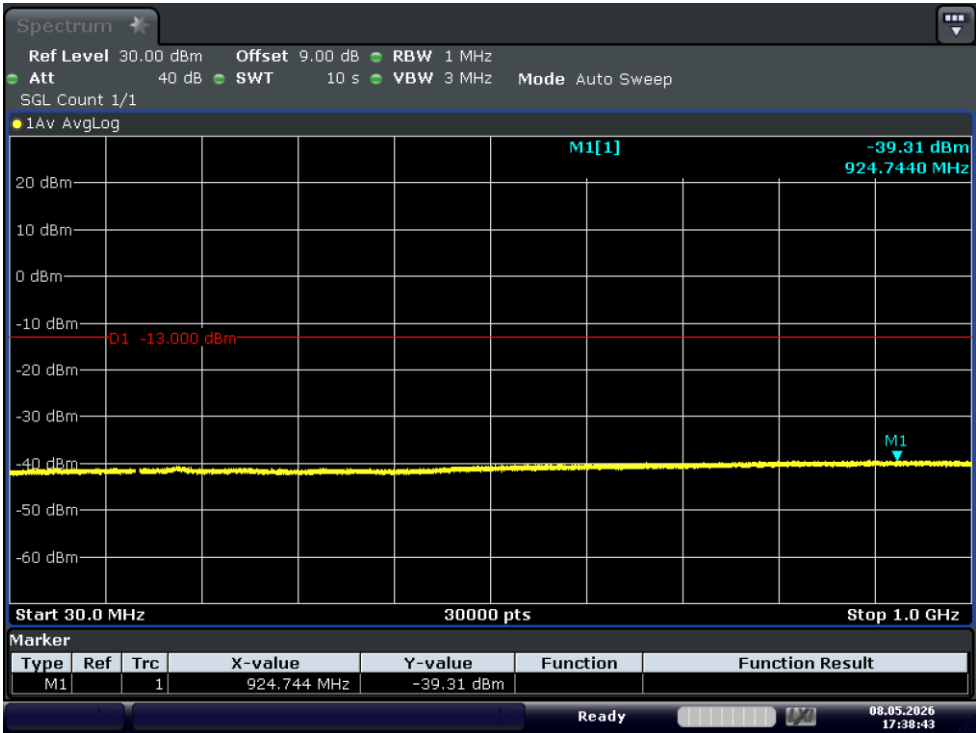
Test_Graph_band66_1720MHz_20M_QPSK_100RB#LOW_30M_1G_TX



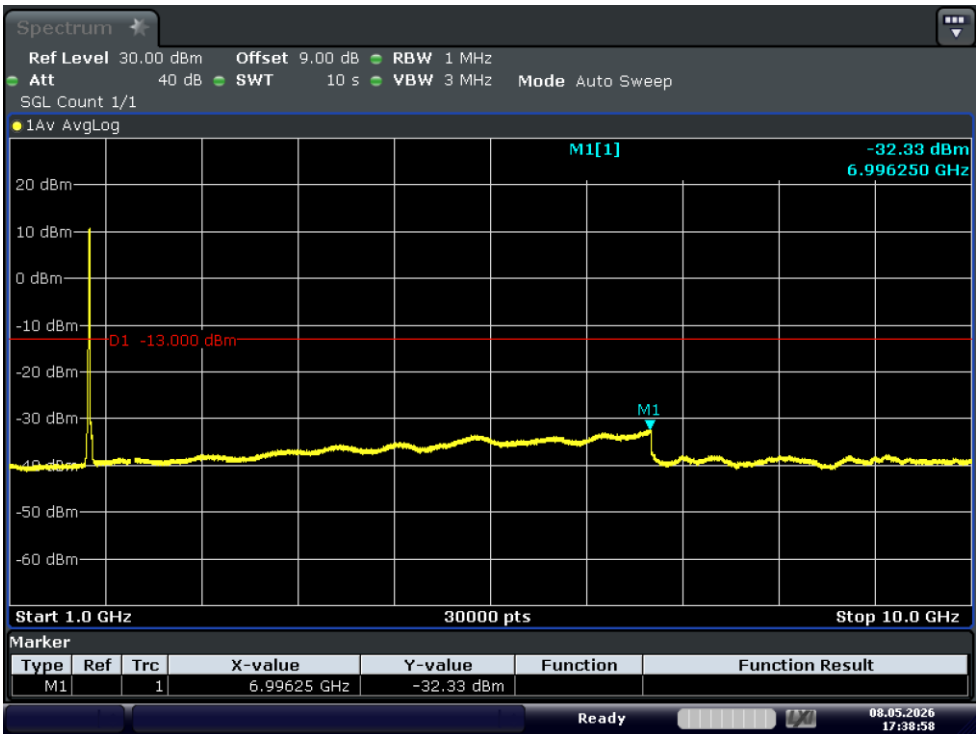
Test_Graph_band66_1720MHz_20M_QPSK_100RB#LOW_1G_10G_TX



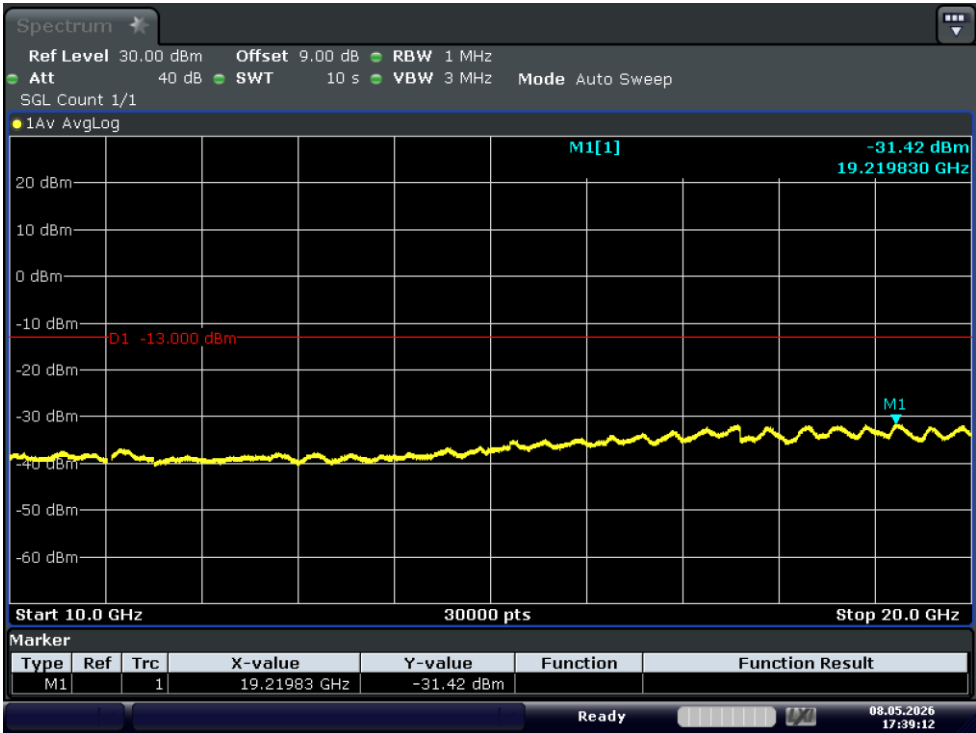
Test_Graph_band66_1720MHz_20M_QPSK_100RB#LOW_10G_20.0G_TX



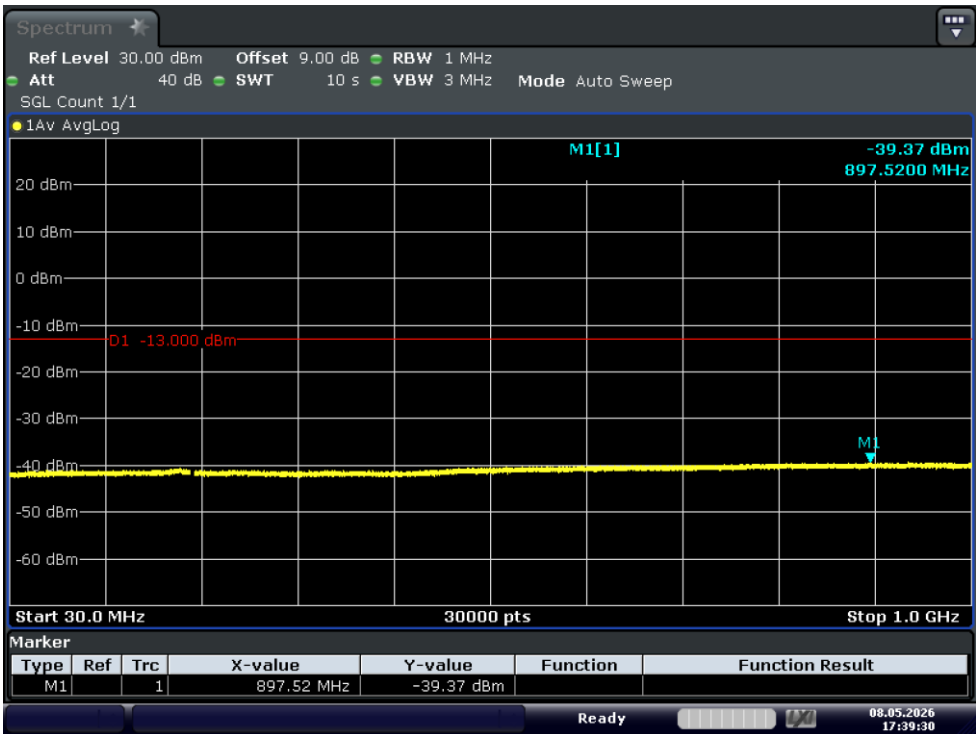
Test_Graph_band66_1745MHz_20M_QPSK_100RB#LOW_30M_1G_TX



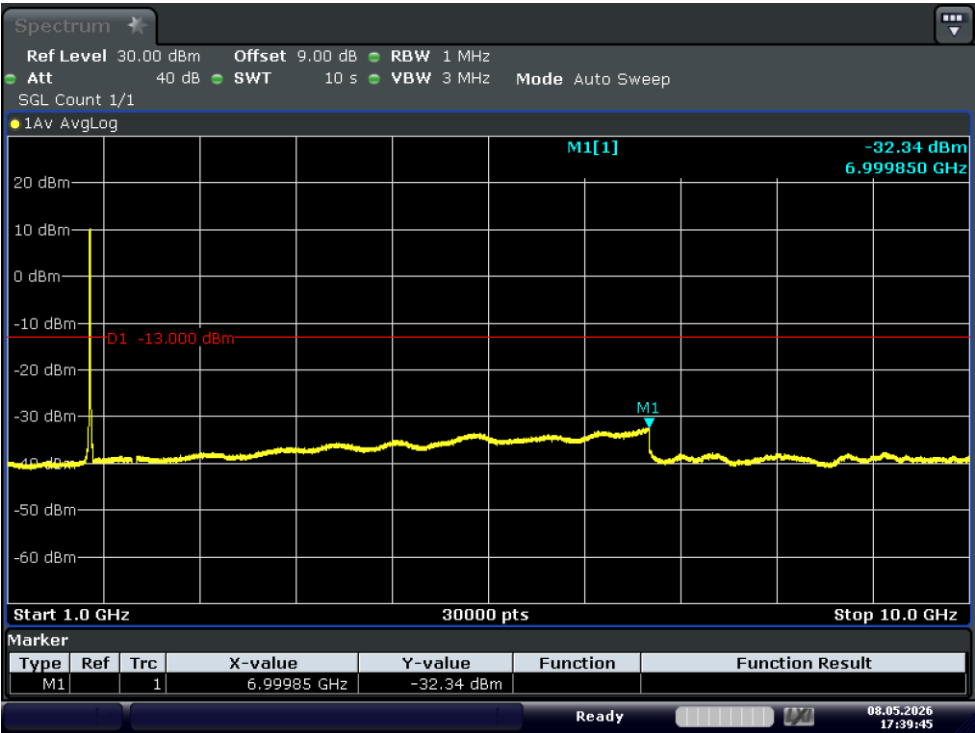
Test_Graph_band66_1745MHz_20M_QPSK_100RB#LOW_1G_10G_TX



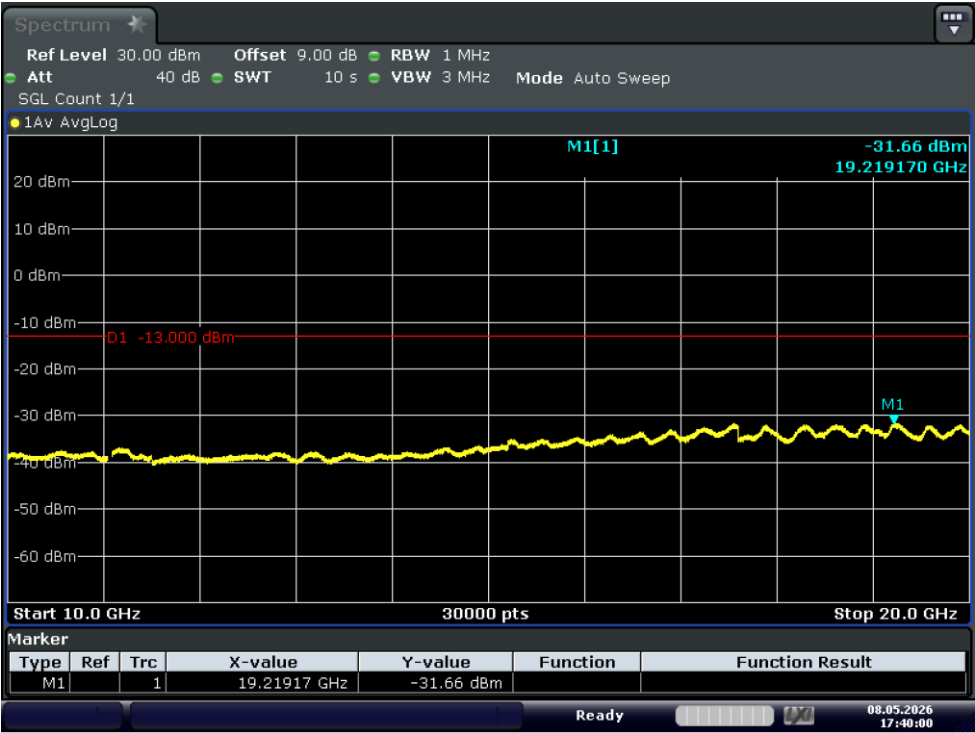
Test_Graph_band66_1745MHz_20M_QPSK_100RB#LOW_10G_20.0G_TX



Test_Graph_band66_1770MHz_20M_QPSK_100RB#LOW_30M_1G_TX



Test_Graph_band66_1770MHz_20M_QPSK_100RB#LOW_1G_10G_TX



Test_Graph_band66_1770MHz_20M_QPSK_100RB#LOW_10G_20.0G_TX



Appendix E: Frequency stability

Test Result

Test Conditions (LTE Band 66(QPSK) /BW 20MHz)		Frequency Range		Frequency Error	Verdict
Temperature (°C)	Voltage (Volt)	>1710 Freq Reading @ Low End (MHz)	<1780 Freq Reading @ High End (MHz)	Middle Channel	
				≤2.5ppm	
50	Normal Voltage	1711.0273	1778.9697	0.0061	PASS
40	Normal Voltage	1711.0274	1778.9697	0.0068	
30	Normal Voltage	1711.0275	1778.9698	0.0064	
20(Ref.)	Normal Voltage	1711.0275	1778.9697	0.0068	
10	Normal Voltage	1711.0274	1778.9698	0.0060	
0	Normal Voltage	1711.0273	1778.9698	0.0068	
-10	Normal Voltage	1711.0274	1778.9698	0.0069	
-20	Normal Voltage	1711.0274	1778.9698	0.0068	
-30	Normal Voltage	1711.0275	1778.9697	0.0062	
20	+15%	1711.0275	1778.9697	0.0067	
20	-15%	1711.0274	1778.9698	0.0064	
20	Battery End Point	1711.0274	1778.9698	0.0069	

