

Appendix A1: Emission Bandwidth

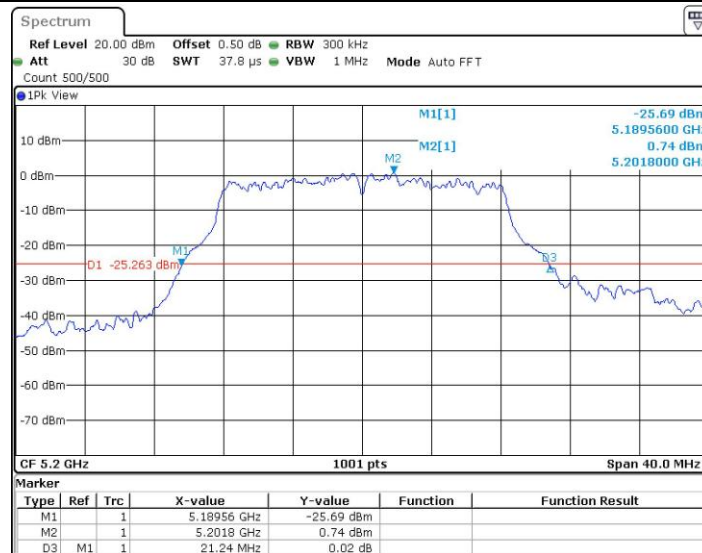
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.280	5169.480	5190.760	---	PASS
		5200	21.240	5189.560	5210.800	---	PASS
		5240	21.000	5229.720	5250.720	---	PASS
11N20SISO	Ant1	5180	28.480	5168.960	5197.440	---	PASS
		5200	26.080	5189.240	5215.320	---	PASS
		5240	29.880	5226.800	5256.680	---	PASS
11N40SISO	Ant1	5190	60.480	5169.040	5229.520	---	PASS
		5230	67.760	5200.560	5268.320	---	PASS
11AC20SISO	Ant1	5180	27.800	5168.840	5196.640	---	PASS
		5200	27.960	5188.040	5216.000	---	PASS
		5240	23.320	5229.200	5252.520	---	PASS
11AC40SISO	Ant1	5190	40.160	5170.000	5210.160	---	PASS
		5230	40.160	5210.000	5250.160	---	PASS
11AC80SISO	Ant1	5210	80.960	5170.000	5250.960	---	PASS

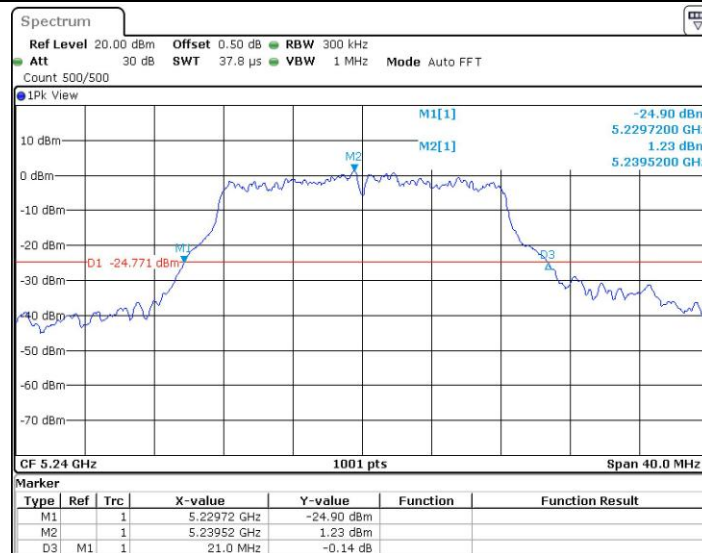
Test Graphs



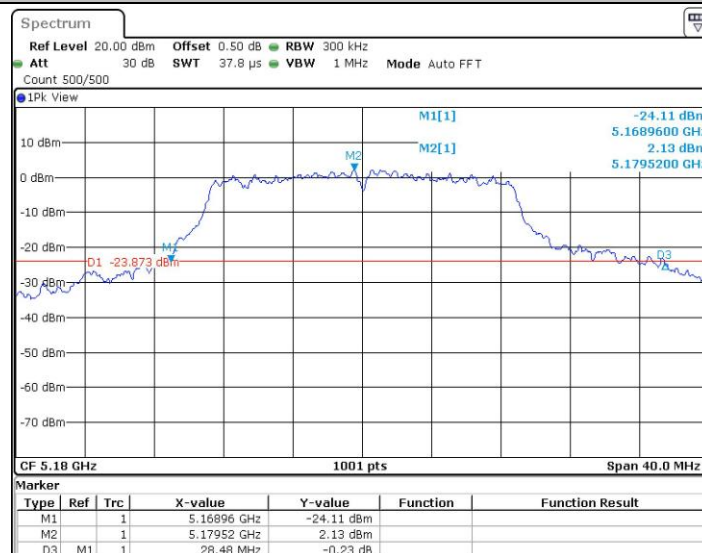
11A_Ant1_5180



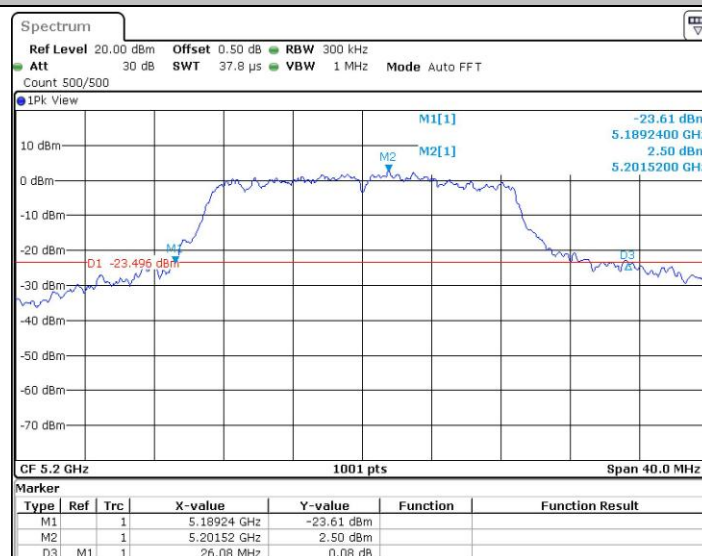
11A_Ant1_5200



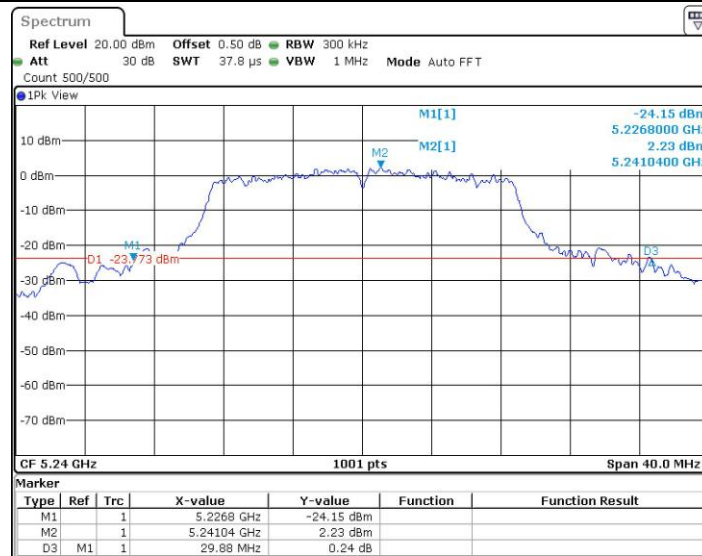
11A_Ant1_5240



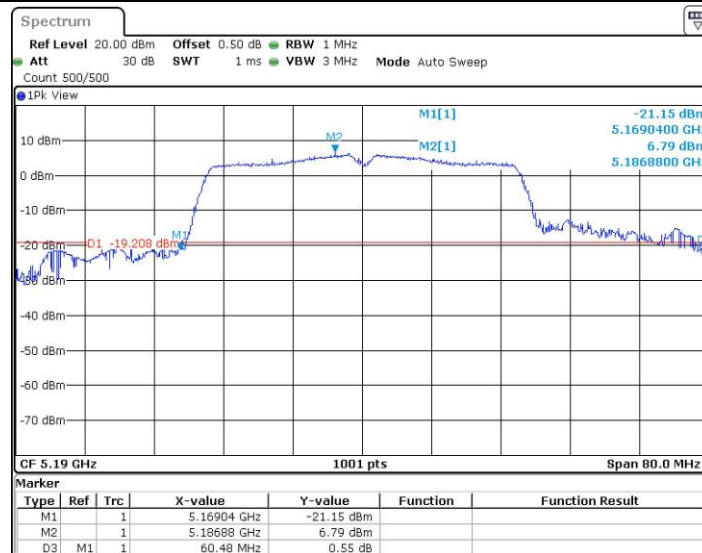
11N20SISO_Ant1_5180



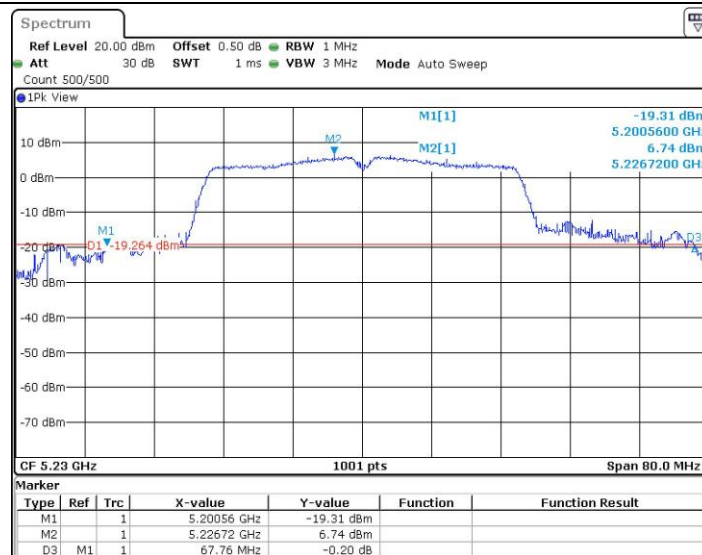
11N20SISO_Ant1_5200



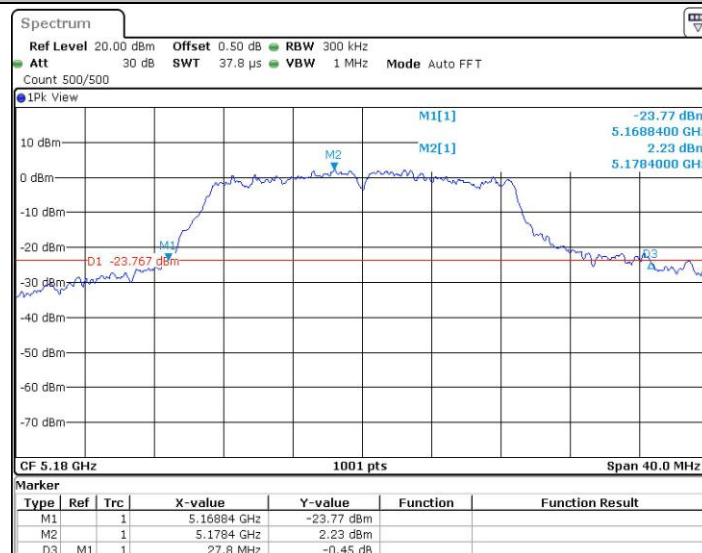
11N20SISO_Ant1_5240



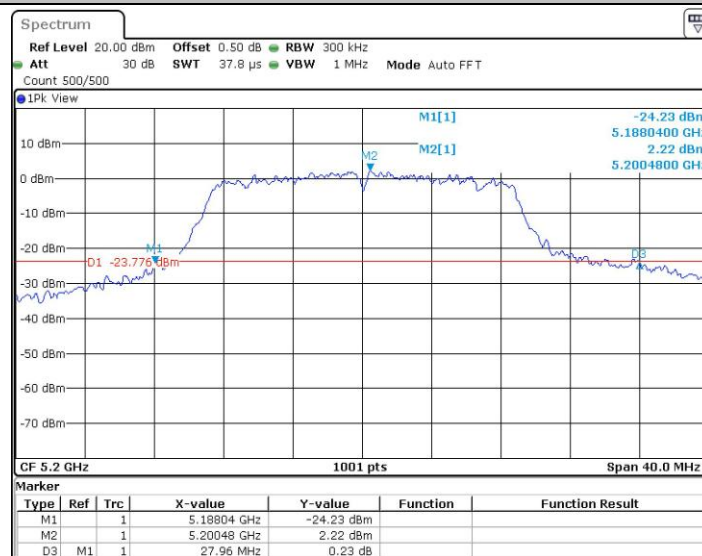
11N40SISO_Ant1_5190



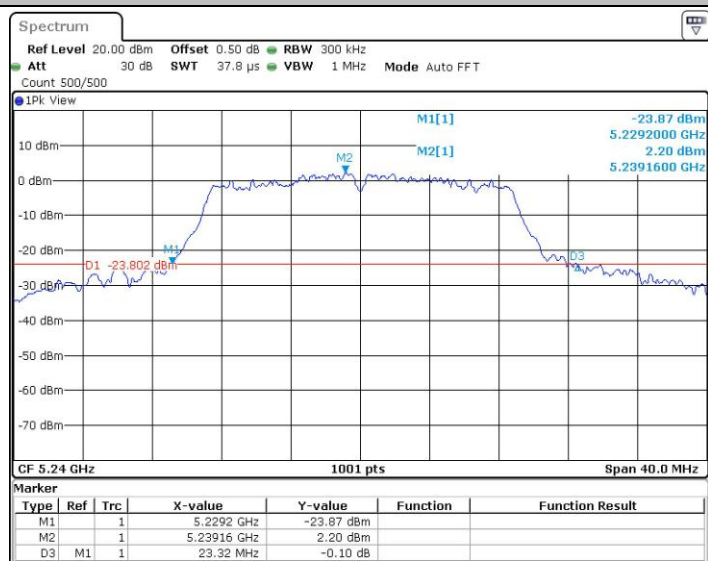
11N40SISO_Ant1_5230



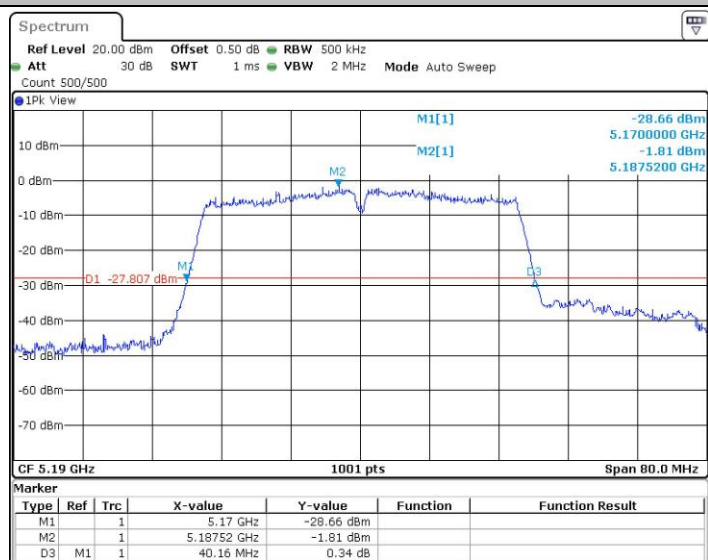
11AC20SISO_Ant1_5180



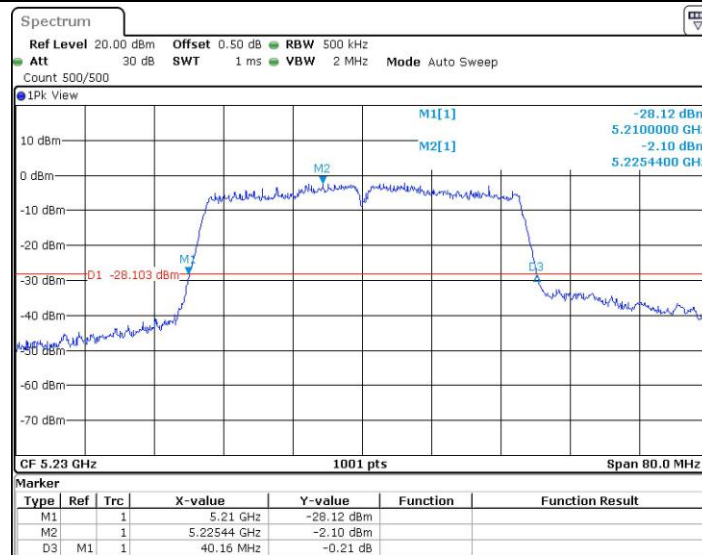
11AC20SISO_Ant1_5200



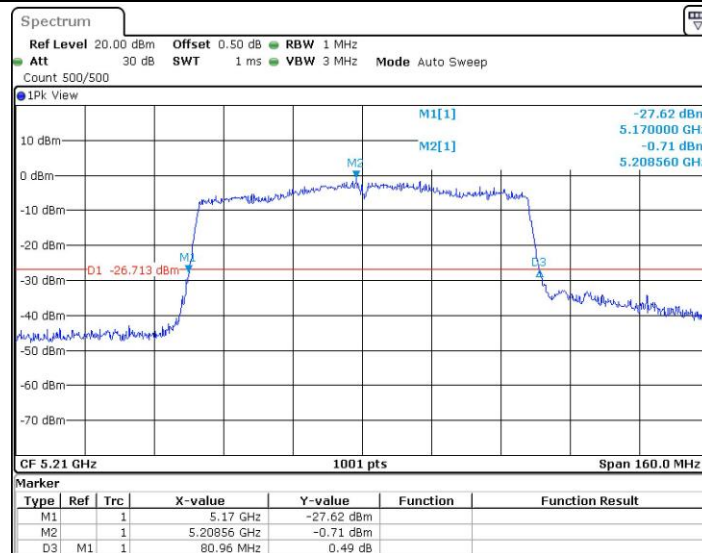
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



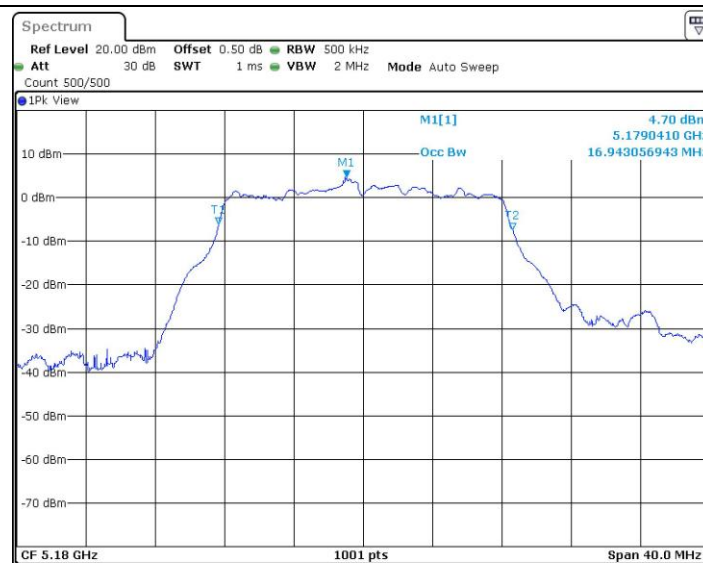
11AC80SISO_Ant1_5210

Appendix A2: Occupied channel bandwidth

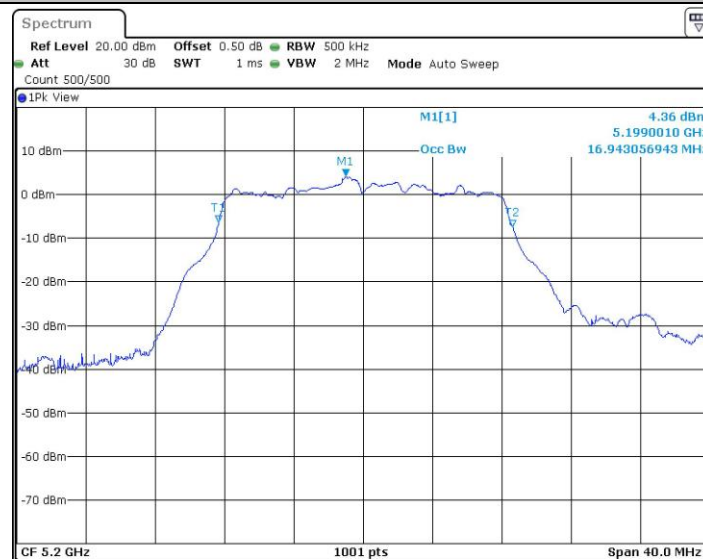
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.943	5171.648	5188.591	---	PASS
		5200	16.943	5191.648	5208.591	---	PASS
		5240	16.983	5231.608	5248.591	---	PASS
11N20SISO	Ant1	5180	19.5	5170.609	5190.110	---	PASS
		5200	19.421	5190.569	5209.990	---	PASS
		5240	19.421	5230.450	5249.870	---	PASS
11N40SISO	Ant1	5190	38.761	5171.698	5210.460	---	PASS
		5230	38.521	5211.538	5250.060	---	PASS
11AC20SISO	Ant1	5180	19.341	5170.649	5189.990	---	PASS
		5200	19.261	5190.649	5209.910	---	PASS
		5240	19.301	5230.529	5249.830	---	PASS
11AC40SISO	Ant1	5190	36.763	5171.778	5208.541	---	PASS
		5230	36.683	5211.778	5248.462	---	PASS
11AC80SISO	Ant1	5210	75.764	5172.597	5248.362	---	PASS

Test Graphs



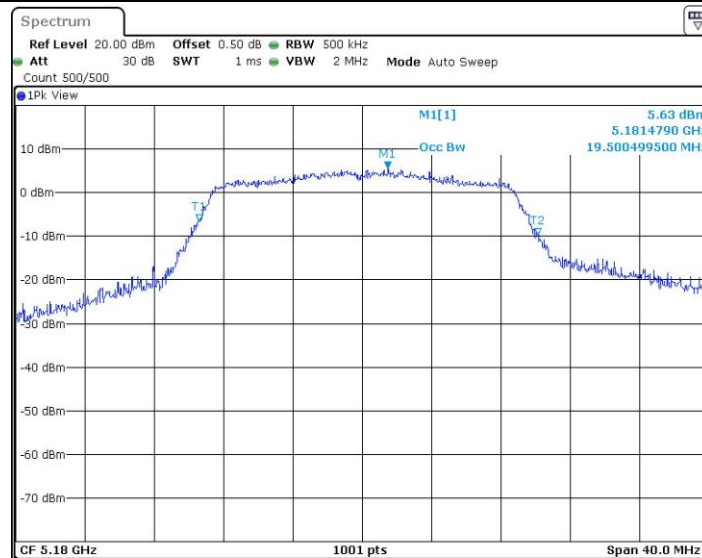
11A_Ant1_5180



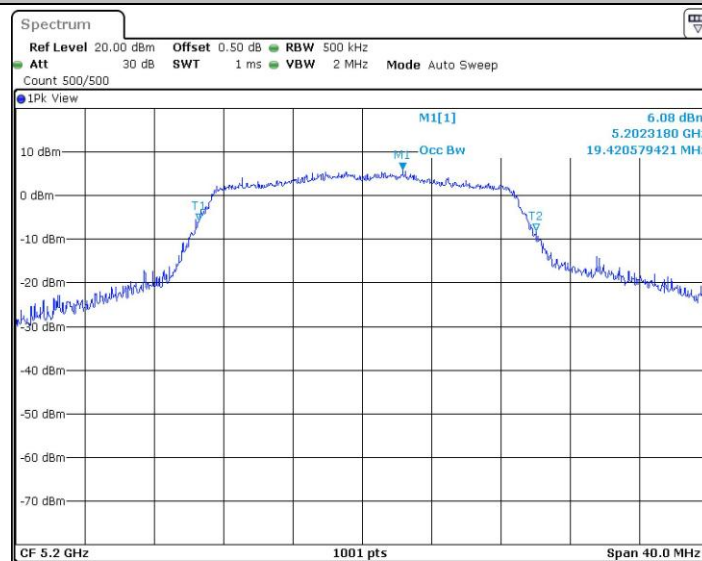
11A_Ant1_5200



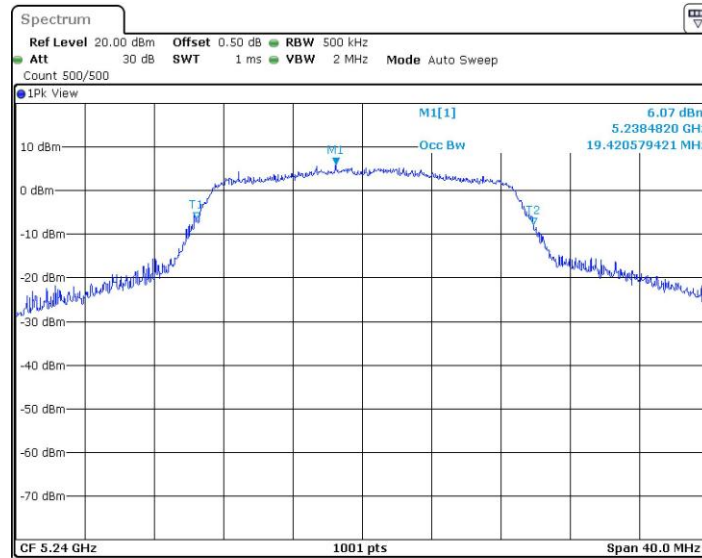
11A_Ant1_5240



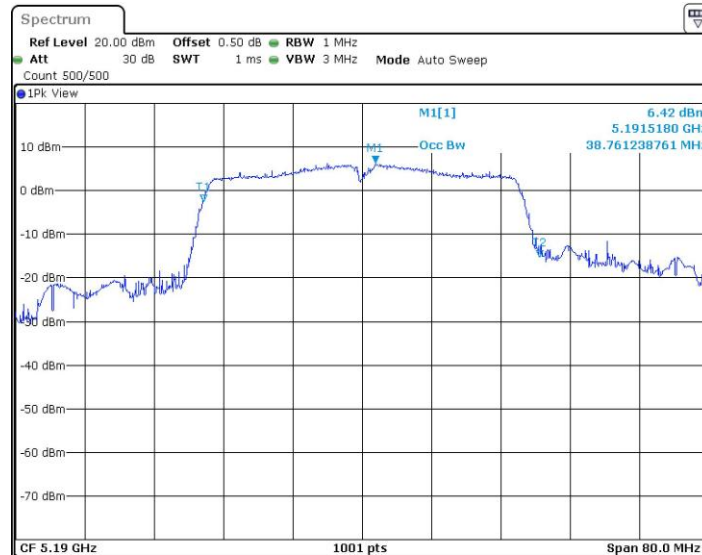
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



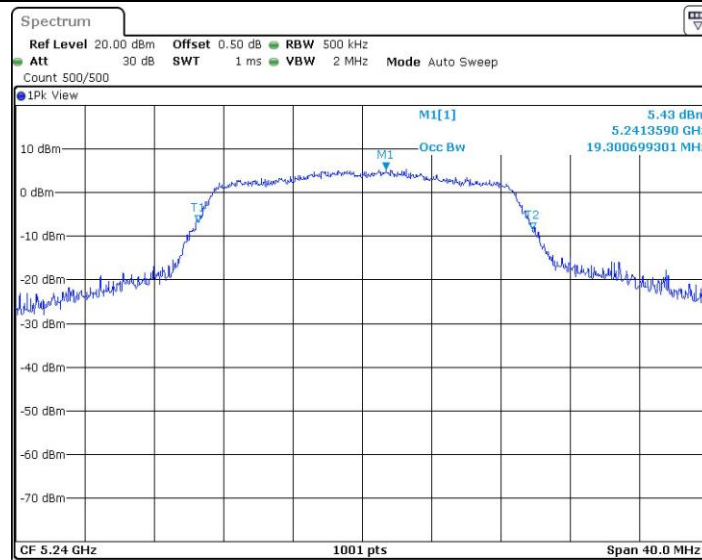
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



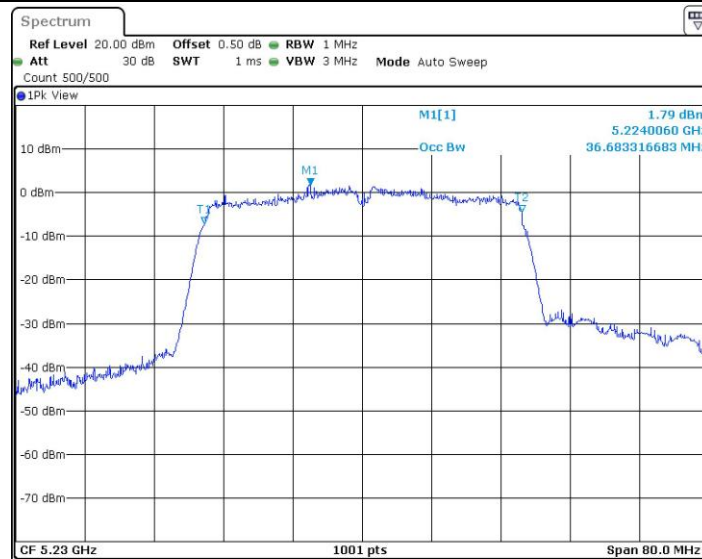
11AC20SISO_Ant1_5200



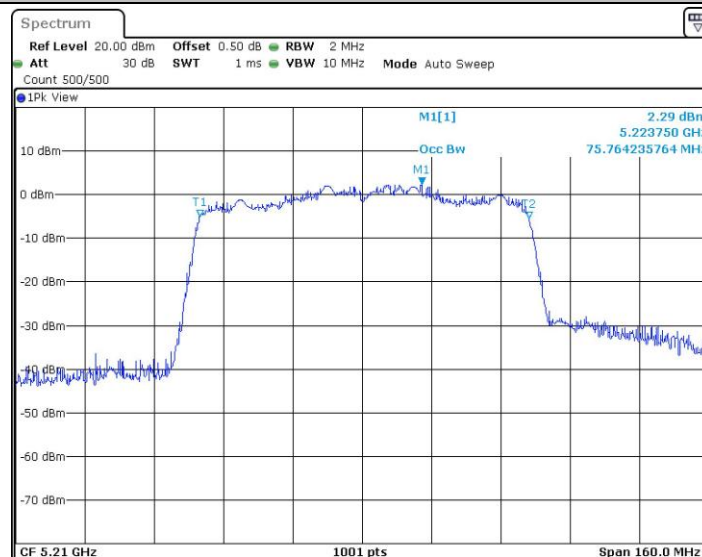
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

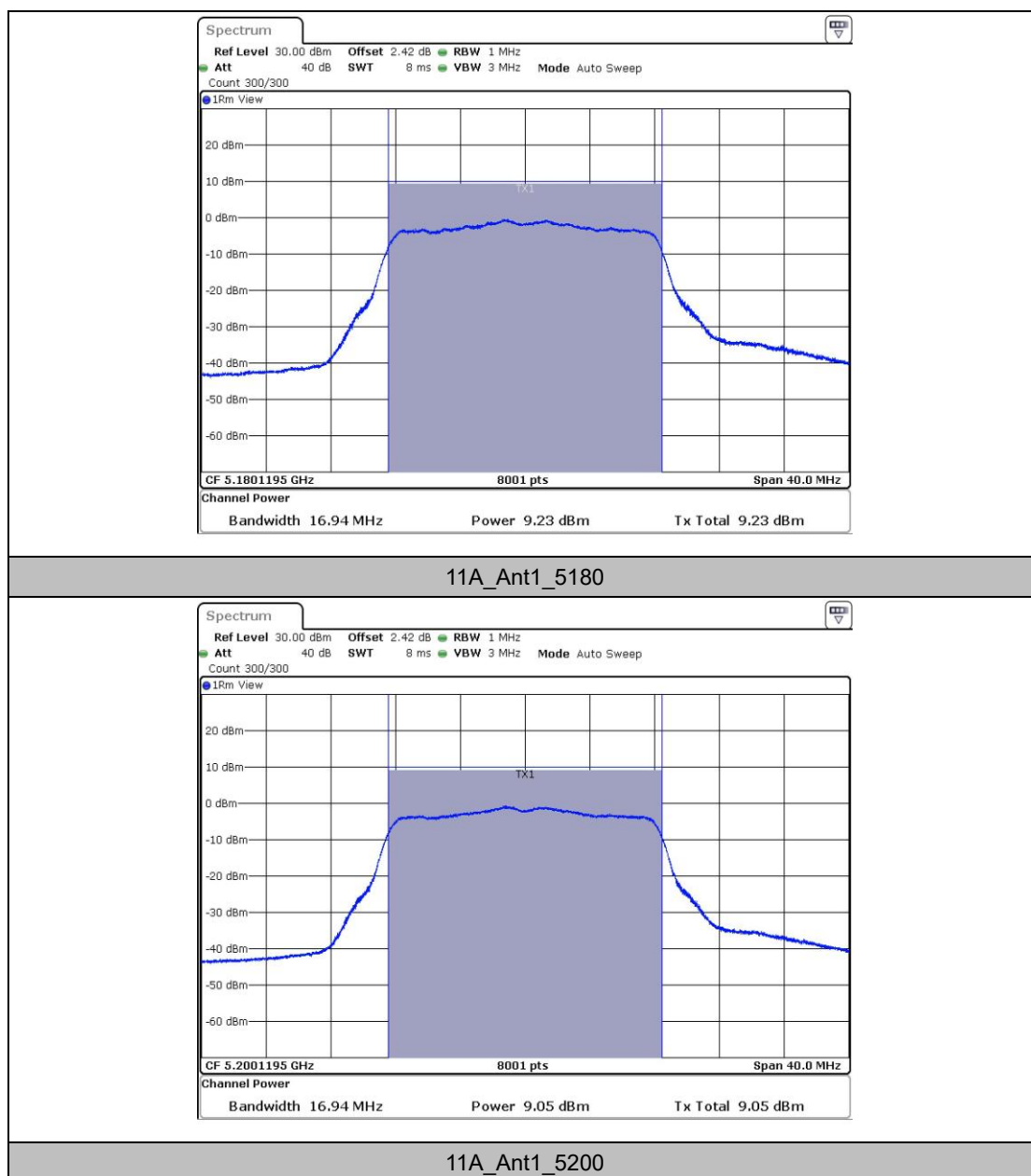
Appendix B1: Maximum conducted output power

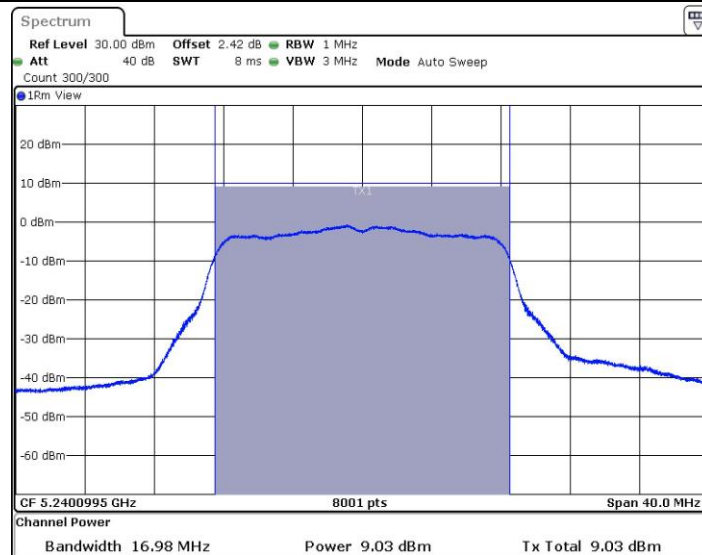
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	9.23	<=23.98	PASS
		5200	9.05	<=23.98	PASS
		5240	9.03	<=23.98	PASS
11N20SISO	Ant1	5180	11.05	<=23.98	PASS
		5200	10.84	<=23.98	PASS
		5240	10.98	<=23.98	PASS
11N40SISO	Ant1	5190	11.28	<=23.98	PASS
		5230	11.30	<=23.98	PASS
11AC20SISO	Ant1	5180	11.06	<=23.98	PASS
		5200	11.04	<=23.98	PASS
		5240	10.80	<=23.98	PASS
11AC40SISO	Ant1	5190	5.82	<=23.98	PASS
		5230	5.83	<=23.98	PASS
11AC80SISO	Ant1	5210	2.66	<=23.98	PASS

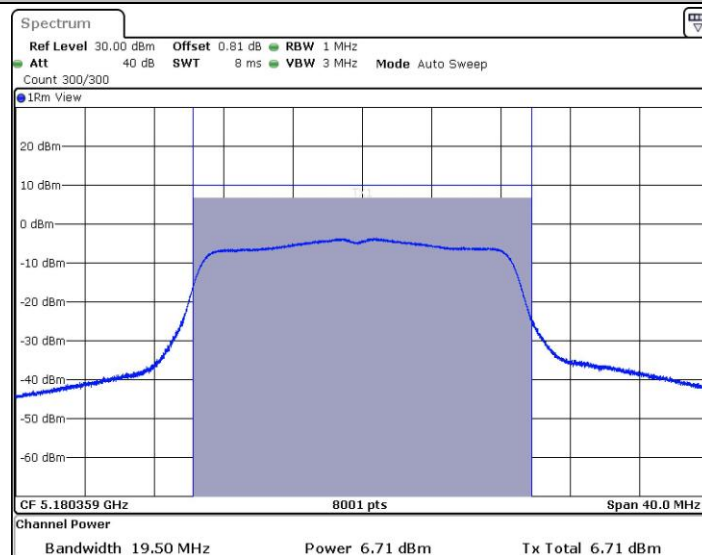
Note: The Duty Cycle Factor is compensated in the graph.

Test Graphs

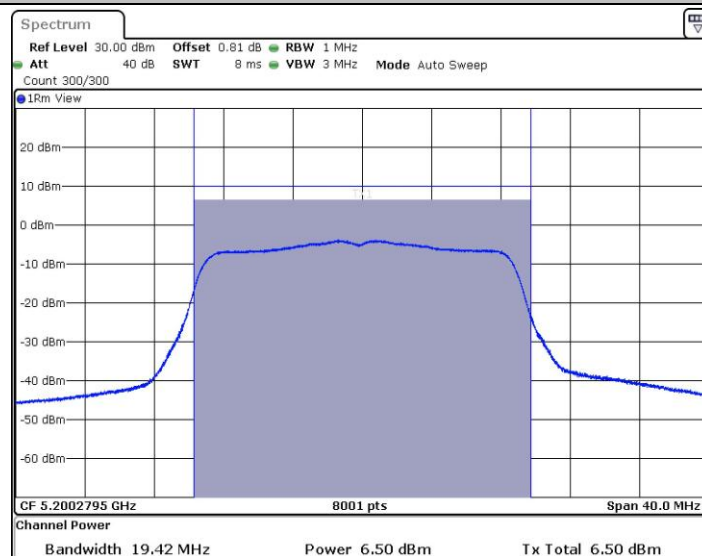




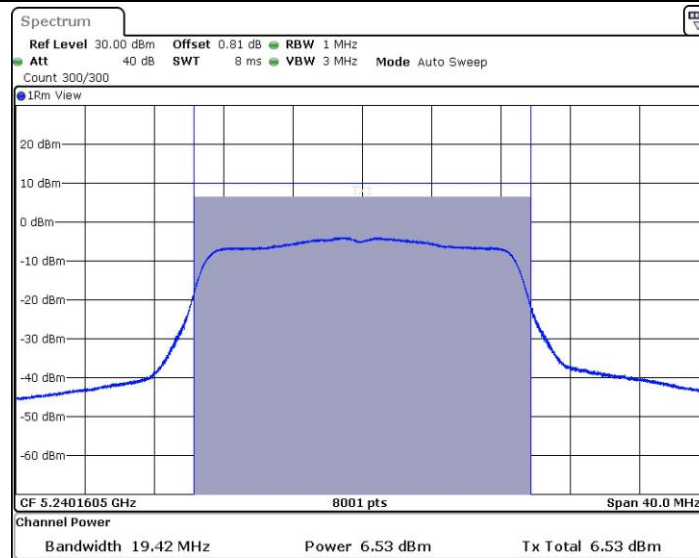
11A_Ant1_5240



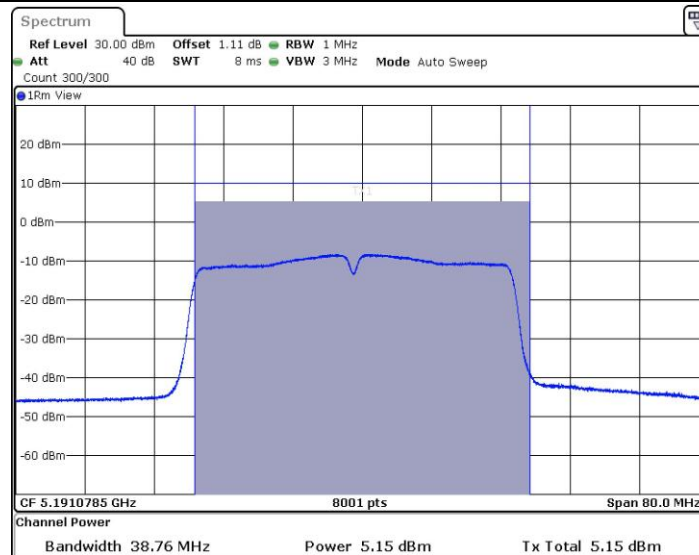
11N20SISO_Ant1_5180



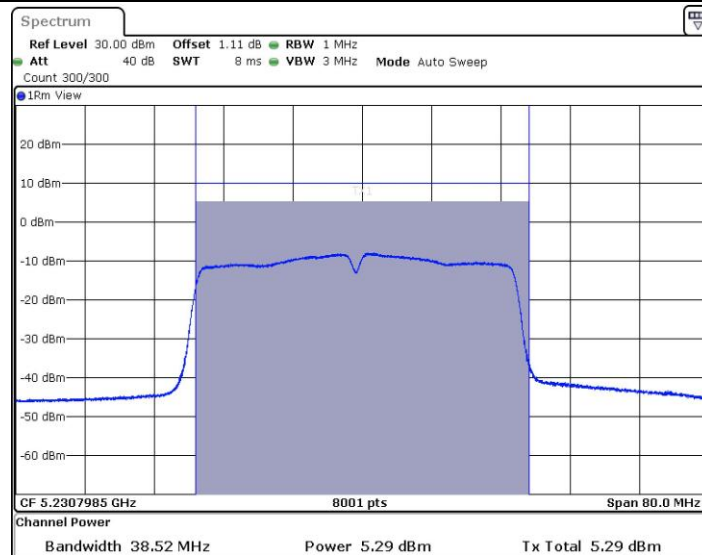
11N20SISO_Ant1_5200



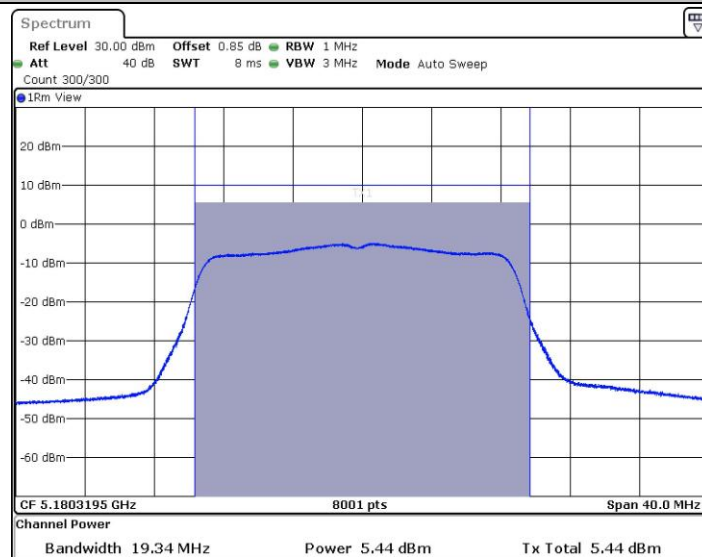
11N20SISO_Ant1_5240



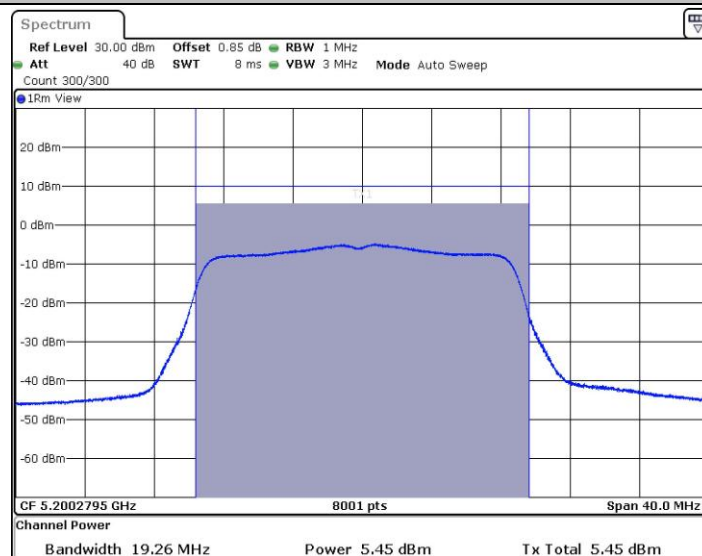
11N40SISO_Ant1_5190



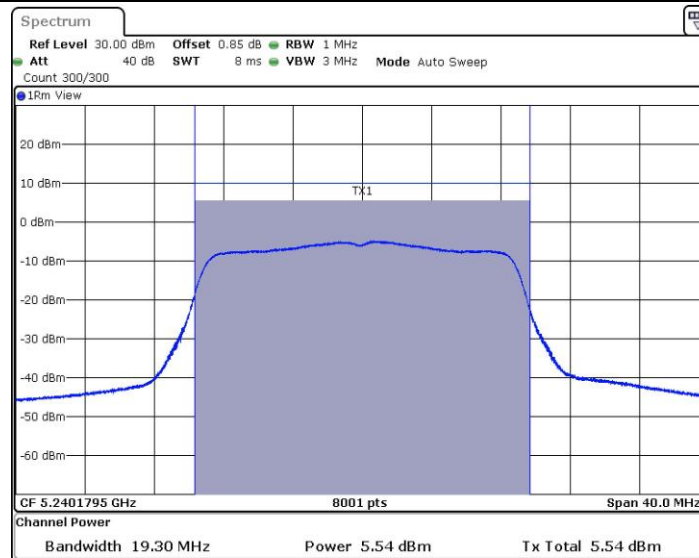
11N40SISO_Ant1_5230



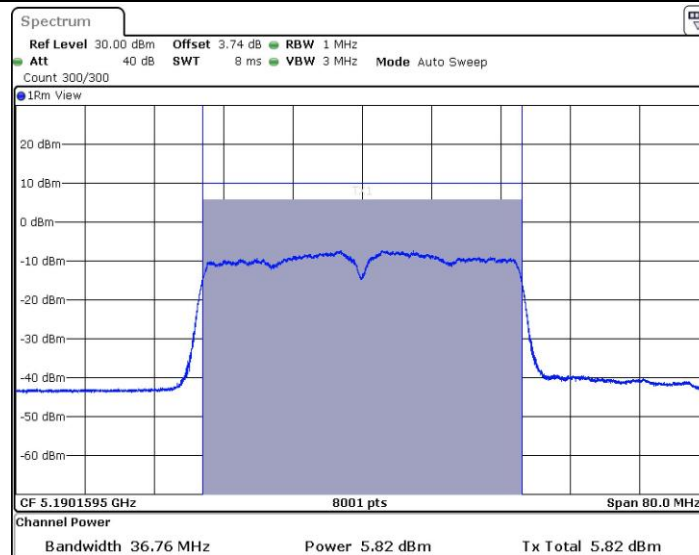
11AC20SISO_Ant1_5180



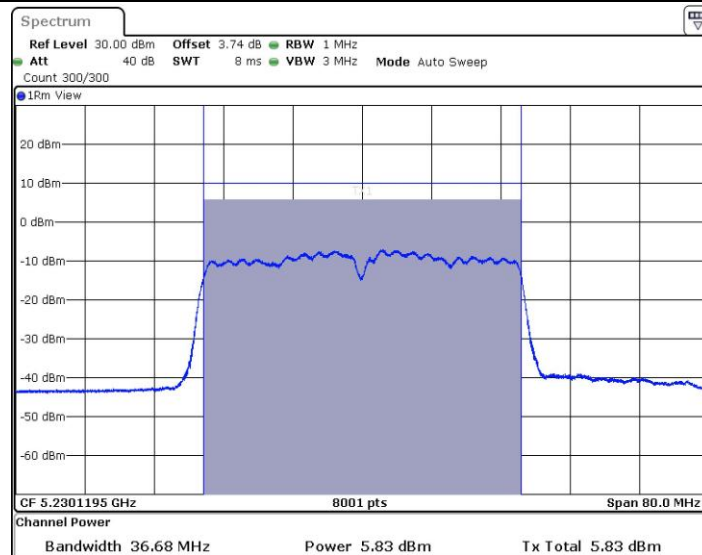
11AC20SISO_Ant1_5200



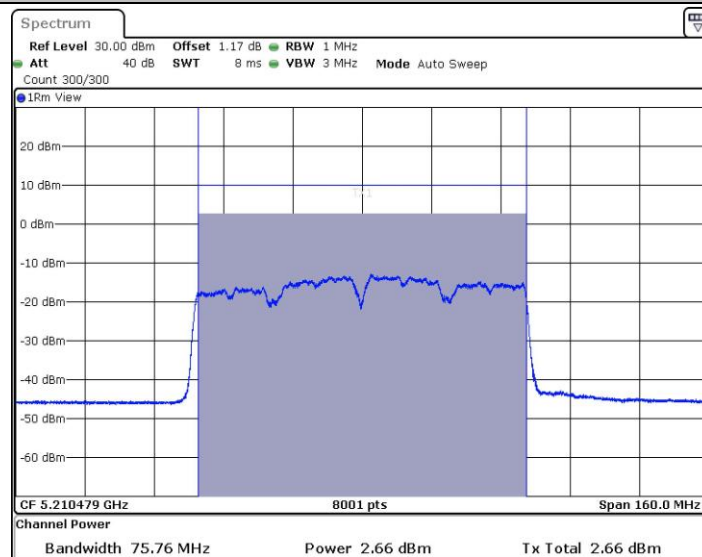
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

Appendix B2: Maximum EIRP

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	5.25	<=36	PASS
		5200	5.07	<=36	PASS
		5240	5.05	<=36	PASS
11N20SISO	Ant1	5180	7.07	<=36	PASS
		5200	6.86	<=36	PASS
		5240	7.00	<=36	PASS
11N40SISO	Ant1	5190	7.30	<=36	PASS
		5230	7.32	<=36	PASS
11AC20SISO	Ant1	5180	7.08	<=36	PASS
		5200	7.06	<=36	PASS
		5240	6.82	<=36	PASS
11AC40SISO	Ant1	5190	1.84	<=36	PASS
		5230	1.85	<=36	PASS
11AC80SISO	Ant1	5210	-1.32	<=36	PASS

Note: The Duty Cycle Factor is compensated in the graph.

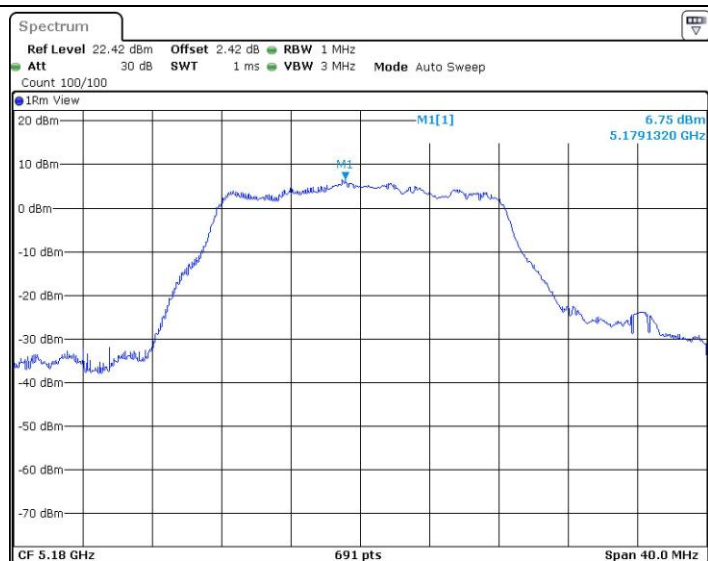
Appendix C: Maximum power spectral density

Test Result

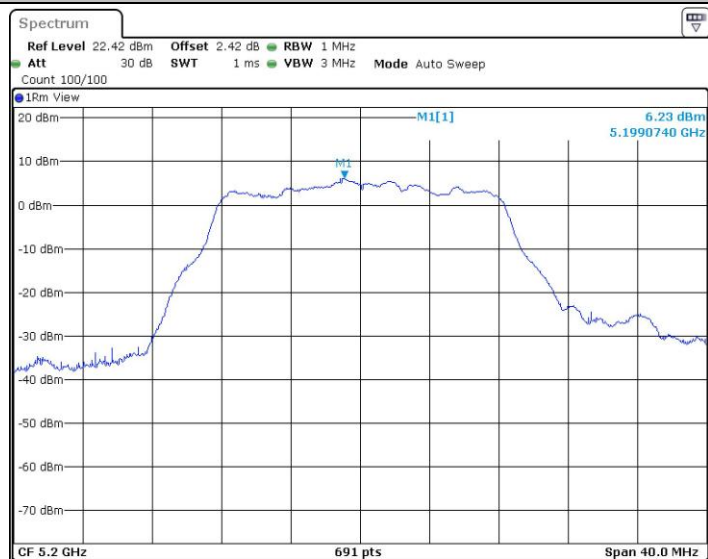
TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	6.75	<=11	PASS
		5200	6.23	<=11	PASS
		5240	6.18	<=11	PASS
11N20SISO	Ant1	5180	1.34	<=11	PASS
		5200	1.58	<=11	PASS
		5240	1.09	<=11	PASS
11N40SISO	Ant1	5190	-3.06	<=11	PASS
		5230	-3.03	<=11	PASS
11AC20SISO	Ant1	5180	-0.08	<=11	PASS
		5200	0.12	<=11	PASS
		5240	0.49	<=11	PASS
11AC40SISO	Ant1	5190	1.45	<=11	PASS
		5230	1.62	<=11	PASS
11AC80SISO	Ant1	5210	-3.97	<=11	PASS

Note: The Duty Cycle Factor is compensated in the graph.

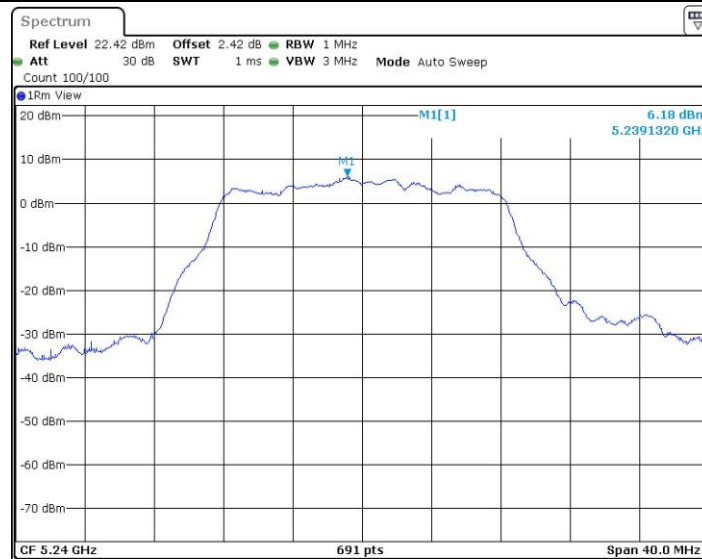
Test Graphs



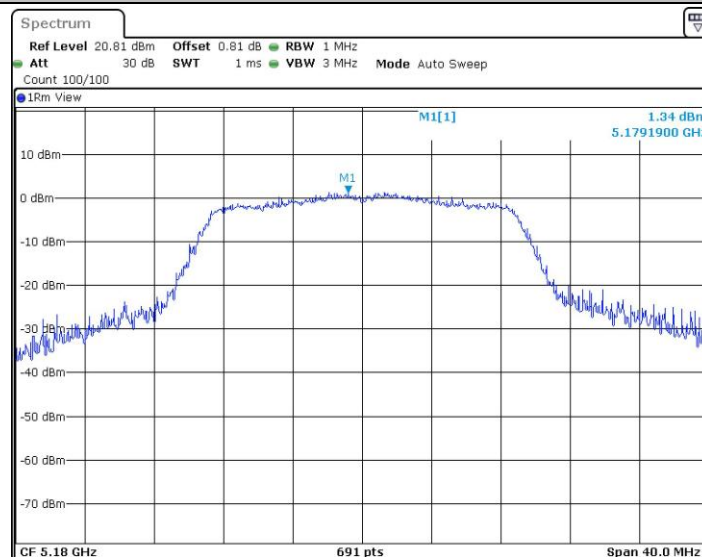
11A_Ant1_5180



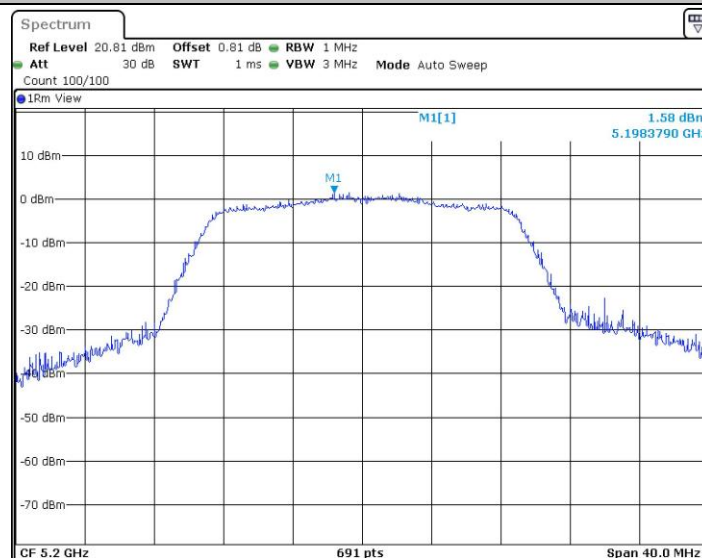
11A_Ant1_5200



11A_Ant1_5240



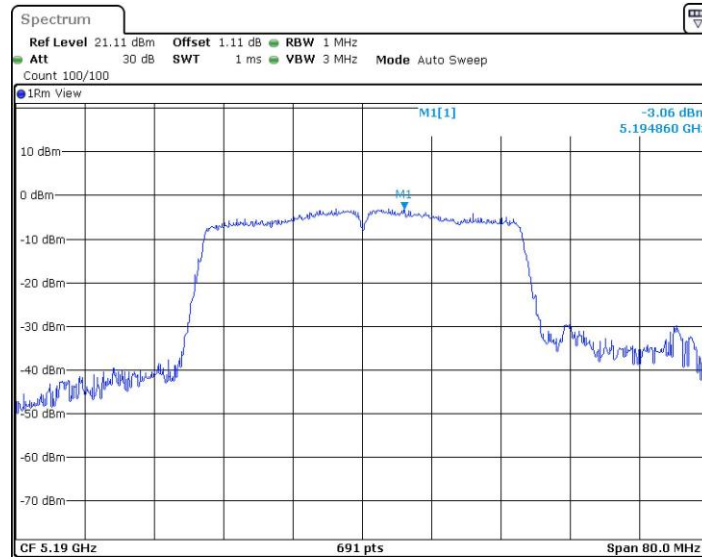
11N20SISO_Ant1_5180



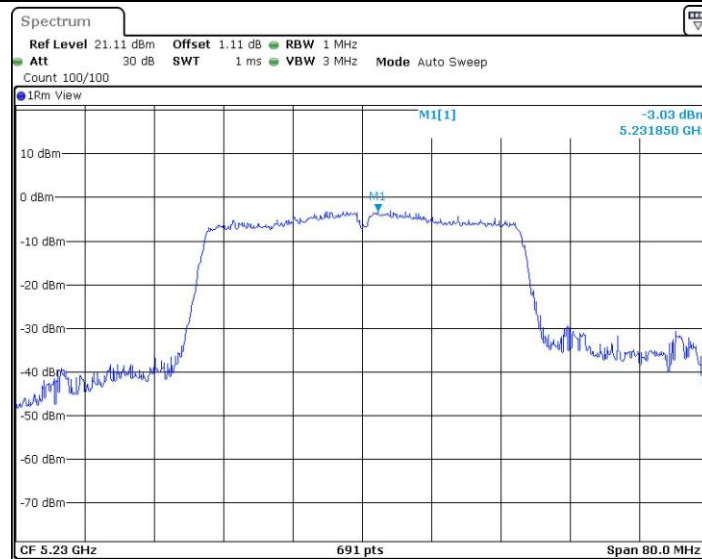
11N20SISO_Ant1_5200



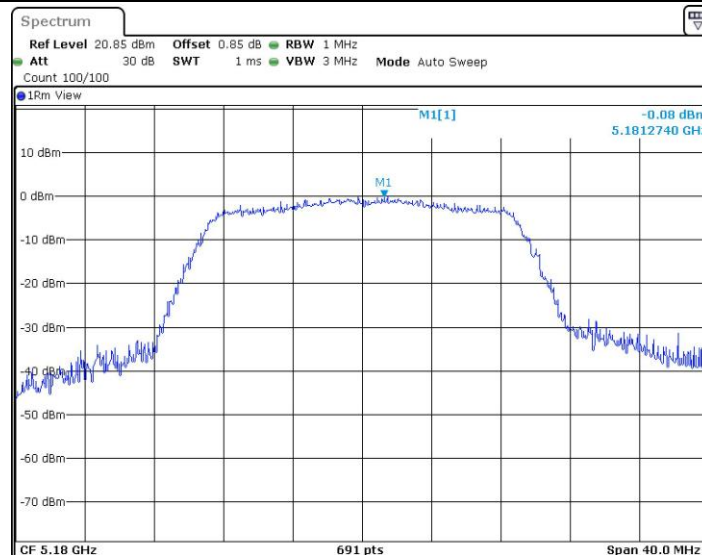
11N20SISO_Ant1_5240



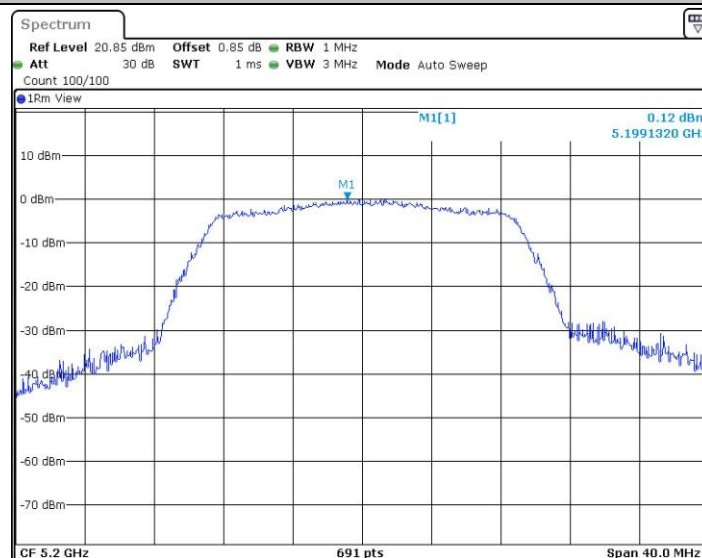
11N40SISO_Ant1_5190



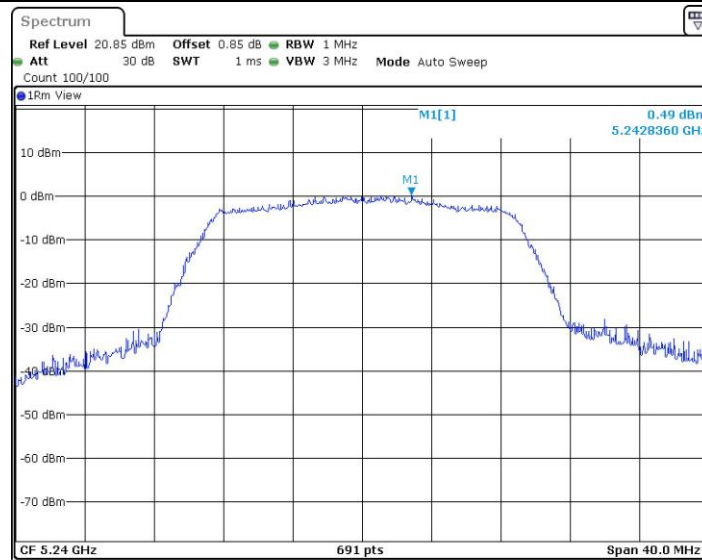
11N40SISO_Ant1_5230



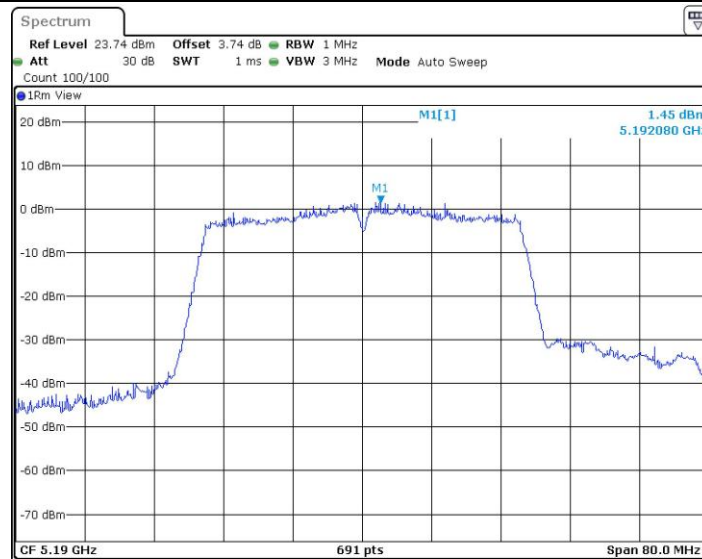
11AC20SISO_Ant1_5180



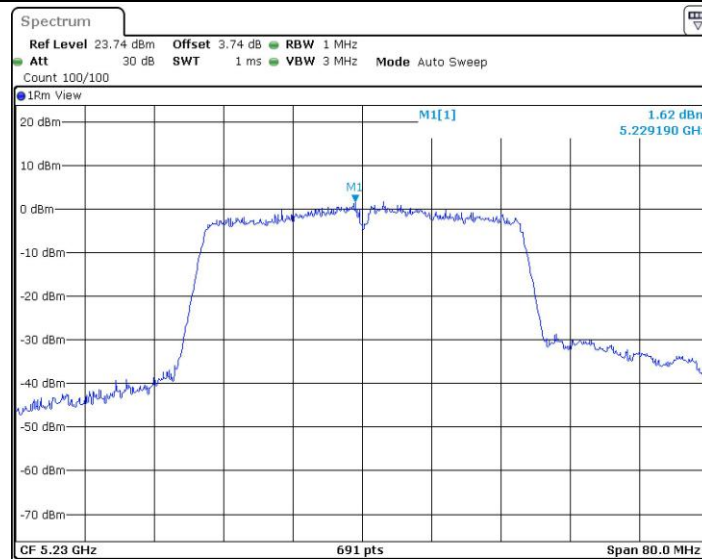
11AC20SISO_Ant1_5200



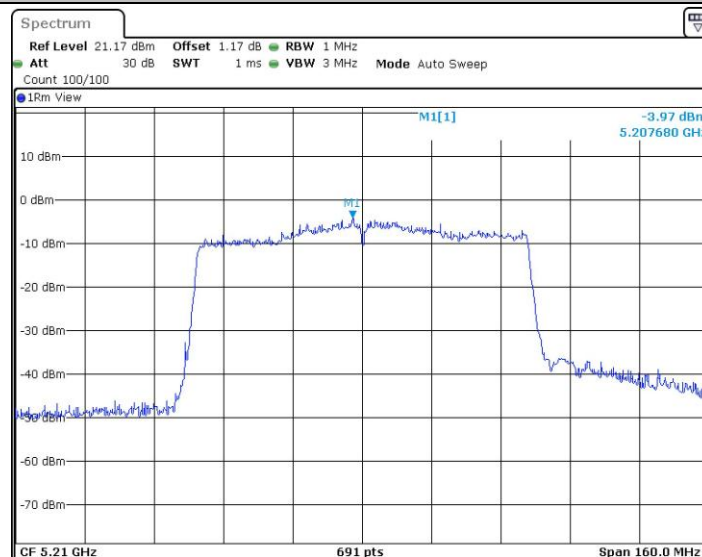
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

Appendix D: Frequency Stability

Test Result

Voltage								
TestMod e	Antenn a	Channe l	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	20000	3.861004	20	PASS
			LV	NT	20000	3.861004	20	PASS
			HV	NT	20000	3.861004	20	PASS
		5200	NV	NT	20000	3.846154	20	PASS
			LV	NT	20000	3.846154	20	PASS
			HV	NT	20000	3.846154	20	PASS
		5240	NV	NT	20000	3.816794	20	PASS
			LV	NT	20000	3.816794	20	PASS
			HV	NT	20000	3.816794	20	PASS
11N20 SISO	Ant1	5180	NV	NT	40000	7.722008	20	PASS
			LV	NT	40000	7.722008	20	PASS
			HV	NT	40000	7.722008	20	PASS
		5200	NV	NT	40000	7.692308	20	PASS
			LV	NT	40000	7.692308	20	PASS
			HV	NT	40000	7.692308	20	PASS
		5240	NV	NT	20000	3.816794	20	PASS
			LV	NT	40000	7.633588	20	PASS
			HV	NT	40000	7.633588	20	PASS
11N40 SISO	Ant1	5190	NV	NT	40000	7.707129	20	PASS
			LV	NT	40000	7.707129	20	PASS
			HV	NT	40000	7.707129	20	PASS
		5230	NV	NT	0	0	20	PASS
			LV	NT	40000	7.648184	20	PASS
			HV	NT	0	0	20	PASS
11AC20 SISO	Ant1	5180	NV	NT	40000	7.722008	20	PASS
			LV	NT	40000	7.722008	20	PASS
			HV	NT	20000	3.861004	20	PASS
		5200	NV	NT	40000	7.692308	20	PASS
			LV	NT	40000	7.692308	20	PASS
			HV	NT	40000	7.692308	20	PASS
		5240	NV	NT	40000	7.633588	20	PASS
			LV	NT	40000	7.633588	20	PASS
			HV	NT	40000	7.633588	20	PASS
11AC40 SISO	Ant1	5190	NV	NT	80000	15.414258	20	PASS
			LV	NT	80000	15.414258	20	PASS
			HV	NT	40000	7.707129	20	PASS

		5230	NV	NT	80000	15.296367	20	PASS
			LV	NT	80000	15.296367	20	PASS
			HV	NT	40000	7.648184	20	PASS
11AC80 SISO	Ant1	5210	NV	NT	4000	0.767754	20	PASS
			LV	NT	4000	0.767754	20	PASS
			HV	NT	4000	0.767754	20	PASS

Temperature								
TestMod e	Antenn a	Channe l	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	0	20000	3.861004	20	PASS
			NV	10	20000	3.861004	20	PASS
			NV	20	20000	3.861004	20	PASS
			NV	30	20000	3.861004	20	PASS
			NV	40	20000	3.861004	20	PASS
		5200	NV	0	20000	3.846154	20	PASS
			NV	10	20000	3.846154	20	PASS
			NV	20	20000	3.846154	20	PASS
			NV	30	20000	3.846154	20	PASS
			NV	40	20000	3.846154	20	PASS
		5240	NV	0	20000	3.816794	20	PASS
			NV	10	20000	3.816794	20	PASS
			NV	20	20000	3.816794	20	PASS
			NV	30	20000	3.816794	20	PASS
			NV	40	20000	3.816794	20	PASS
11N20 SISO	Ant1	5180	NV	0	40000	7.722008	20	PASS
			NV	10	40000	7.722008	20	PASS
			NV	20	20000	3.861004	20	PASS
			NV	30	40000	7.722008	20	PASS
			NV	40	40000	7.722008	20	PASS
		5200	NV	0	40000	7.692308	20	PASS
			NV	10	40000	7.692308	20	PASS
			NV	20	40000	7.692308	20	PASS
			NV	30	40000	7.692308	20	PASS
			NV	40	40000	7.692308	20	PASS
		5240	NV	0	20000	3.816794	20	PASS
			NV	10	40000	7.633588	20	PASS
			NV	20	40000	7.633588	20	PASS
			NV	30	40000	7.633588	20	PASS
			NV	40	60000	11.450382	20	PASS
11N40 SISO	Ant1	5190	NV	0	40000	7.707129	20	PASS
			NV	10	40000	7.707129	20	PASS
			NV	20	40000	7.707129	20	PASS

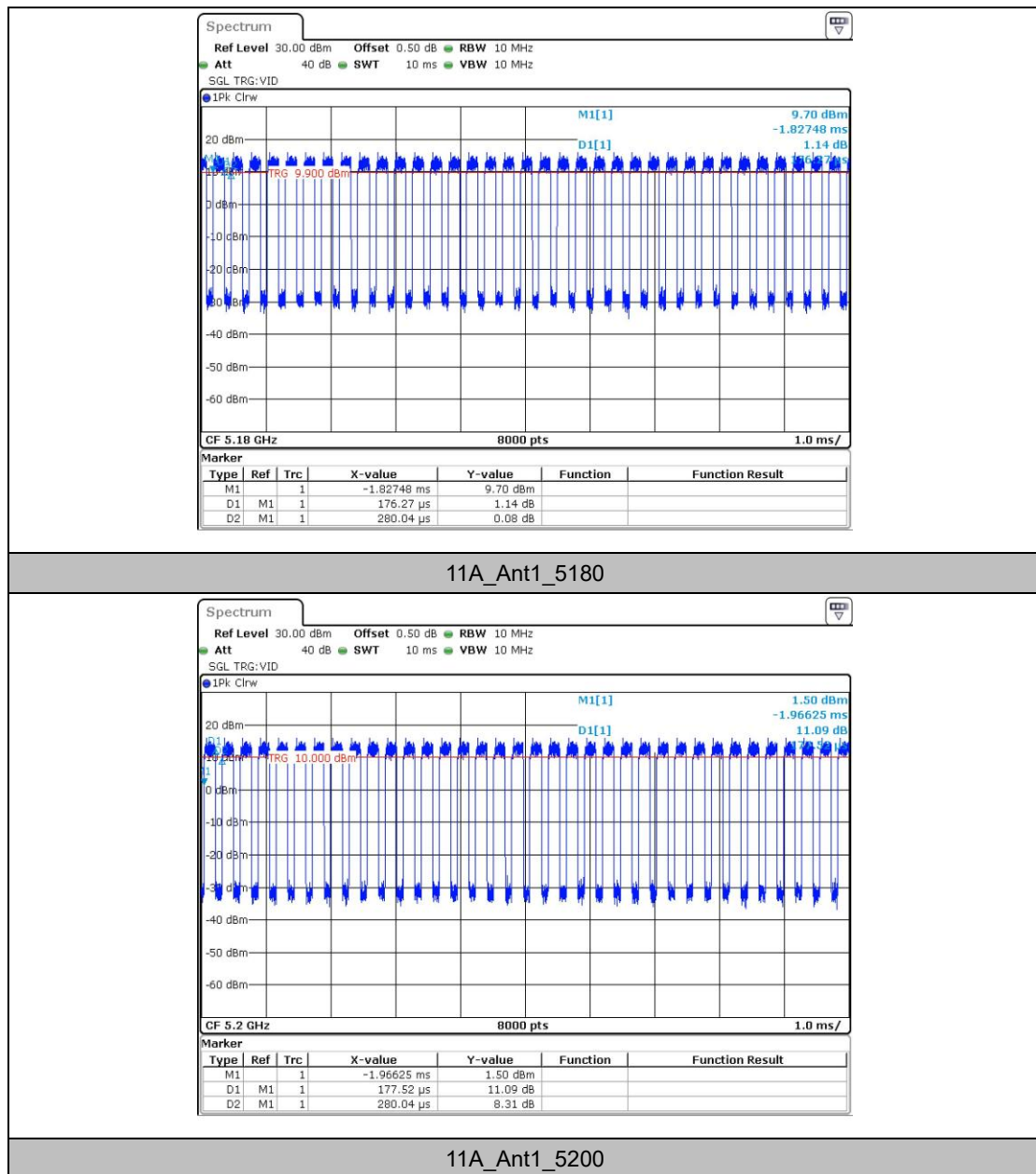
			NV	30	40000	7.707129	20	PASS
			NV	40	40000	7.707129	20	PASS
		5230	NV	0	40000	7.648184	20	PASS
			NV	10	40000	7.648184	20	PASS
			NV	20	80000	15.296367	20	PASS
			NV	30	40000	7.648184	20	PASS
			NV	40	0	0	20	PASS
11AC20 SISO	Ant1	5180	NV	0	60000	11.583012	20	PASS
			NV	10	40000	7.722008	20	PASS
			NV	20	40000	7.722008	20	PASS
			NV	30	40000	7.722008	20	PASS
			NV	40	40000	7.722008	20	PASS
		5200	NV	0	40000	7.692308	20	PASS
			NV	10	40000	7.692308	20	PASS
			NV	20	40000	7.692308	20	PASS
			NV	30	40000	7.692308	20	PASS
			NV	40	40000	7.692308	20	PASS
		5240	NV	0	40000	7.633588	20	PASS
			NV	10	40000	7.633588	20	PASS
			NV	20	40000	7.633588	20	PASS
			NV	30	40000	7.633588	20	PASS
			NV	40	40000	7.633588	20	PASS
11AC40 SISO	Ant1	5190	NV	0	40000	7.707129	20	PASS
			NV	10	80000	15.414258	20	PASS
			NV	20	80000	15.414258	20	PASS
			NV	30	40000	7.707129	20	PASS
			NV	40	40000	7.707129	20	PASS
		5230	NV	0	40000	7.648184	20	PASS
			NV	10	40000	7.648184	20	PASS
			NV	20	80000	15.296367	20	PASS
			NV	30	80000	15.296367	20	PASS
			NV	40	40000	7.648184	20	PASS
11AC80 SISO	Ant1	5210	NV	0	4000	0.767754	20	PASS
			NV	10	4000	0.767754	20	PASS
			NV	20	4000	0.767754	20	PASS
			NV	30	4000	0.767754	20	PASS
			NV	40	4000	0.767754	20	PASS

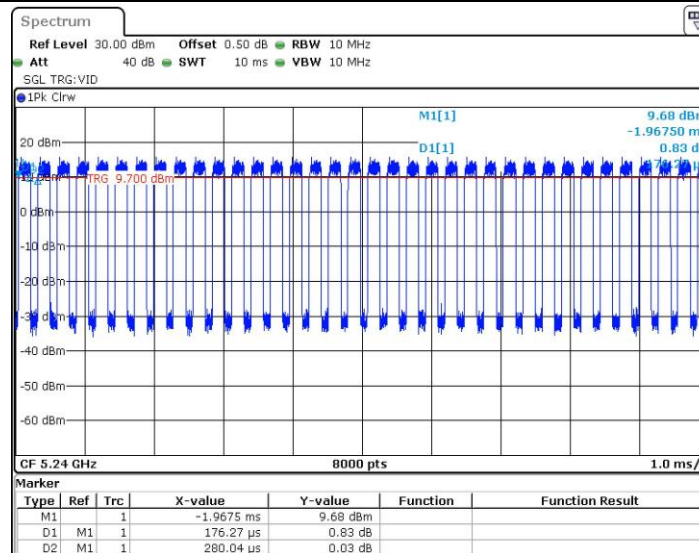
Appendix H: Duty Cycle

Test Result

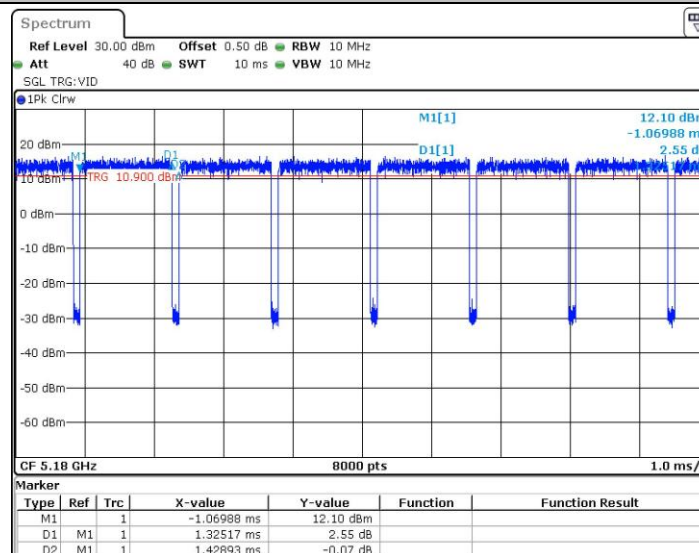
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	0.18	0.28	64.29
		5200	0.18	0.28	64.29
		5240	0.18	0.28	64.29
11N20SISO	Ant1	5180	1.33	1.43	93.01
		5200	1.33	1.43	93.01
		5240	1.33	1.43	93.01
11N40SISO	Ant1	5190	0.66	0.76	86.84
		5230	0.66	0.76	86.84
11AC20SISO	Ant1	5180	1.33	1.44	92.36
		5200	1.33	1.44	92.36
		5240	1.33	1.44	92.36
11AC40SISO	Ant1	5190	0.09	0.19	47.37
		5230	0.09	0.19	47.37
11AC80SISO	Ant1	5210	0.06	0.07	85.71

Test Graphs

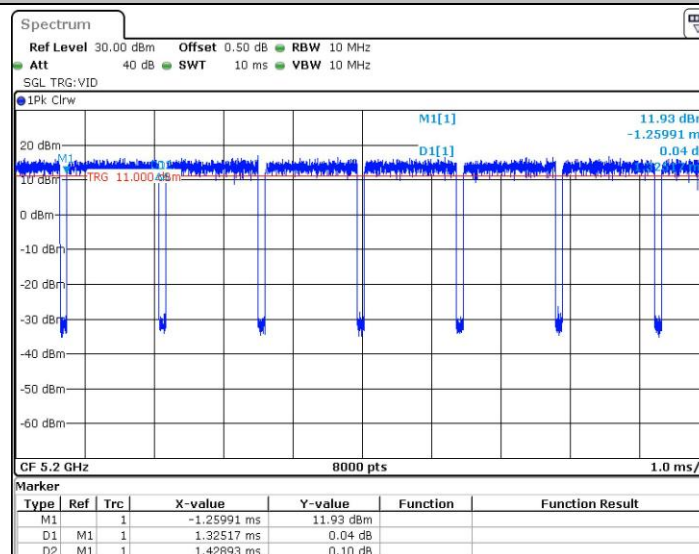




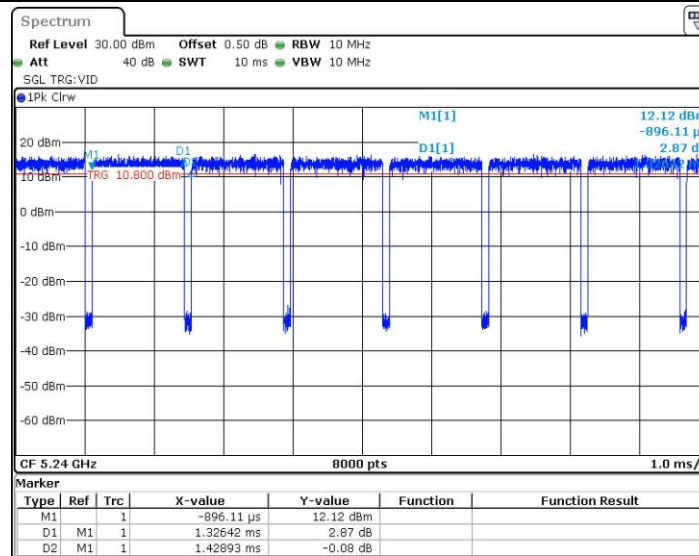
11A_Ant1_5240



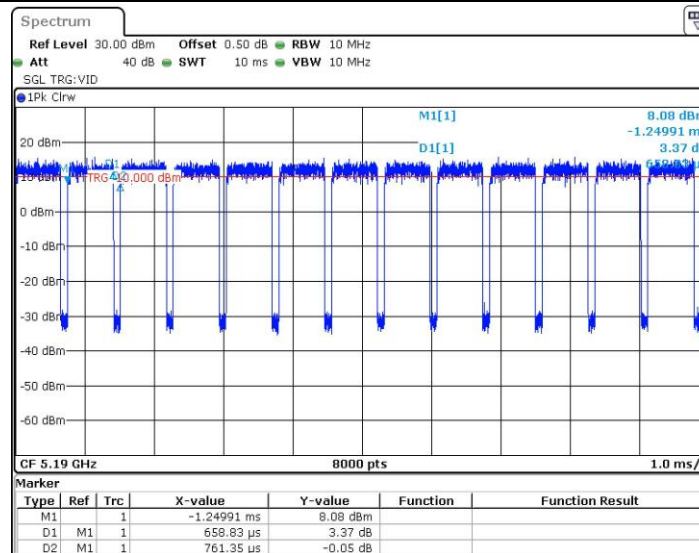
11N20SISO_Ant1_5180



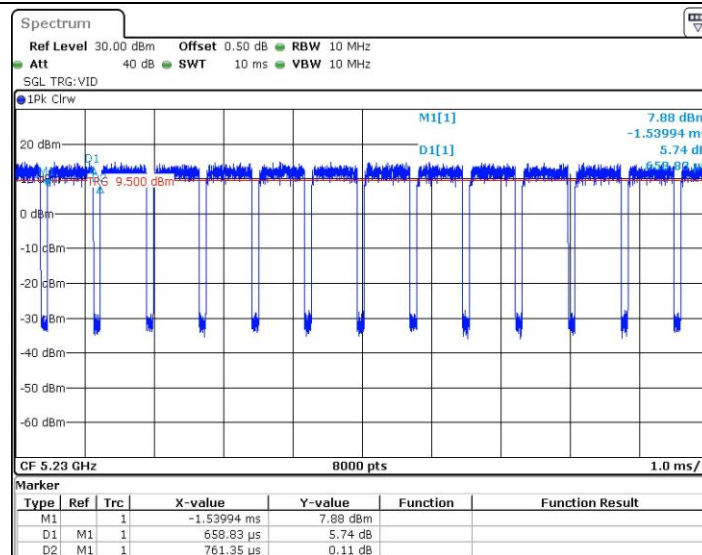
11N20SISO_Ant1_5200



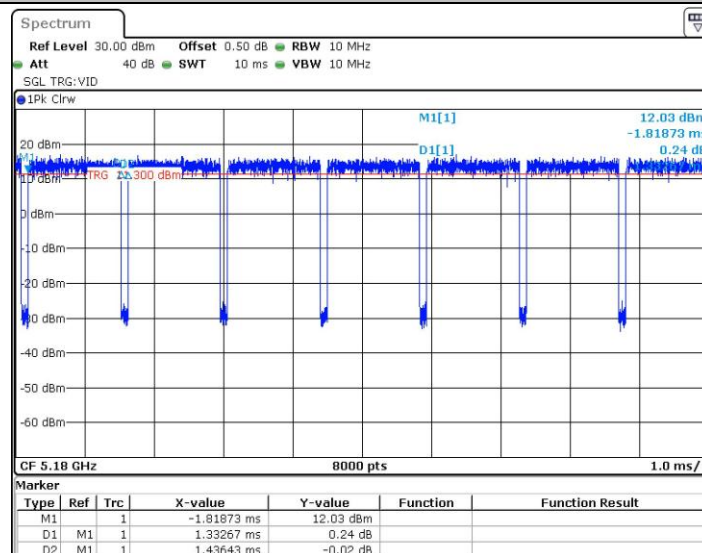
11N20SISO_Ant1_5240



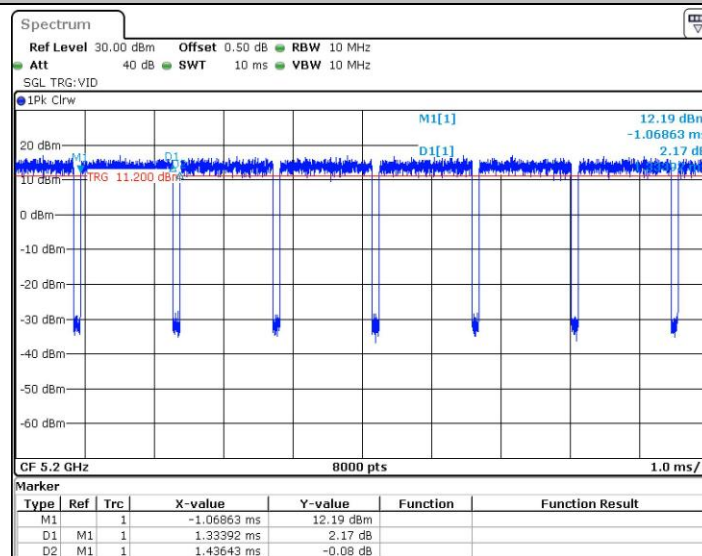
11N40SISO_Ant1_5190



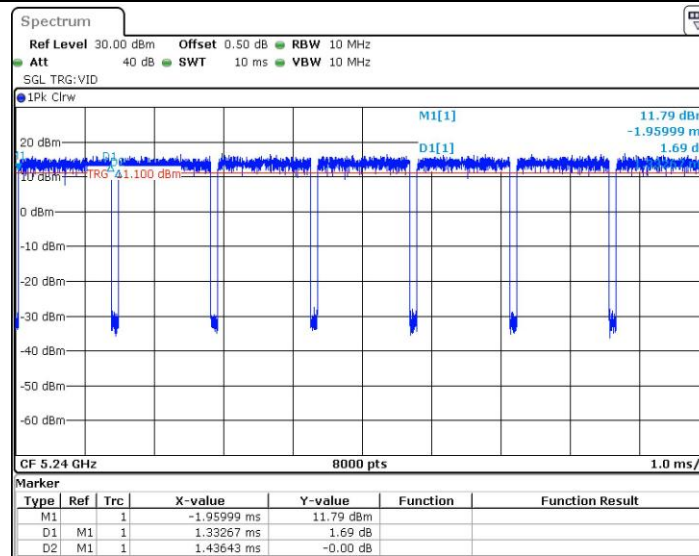
11N40SISO_Ant1_5230



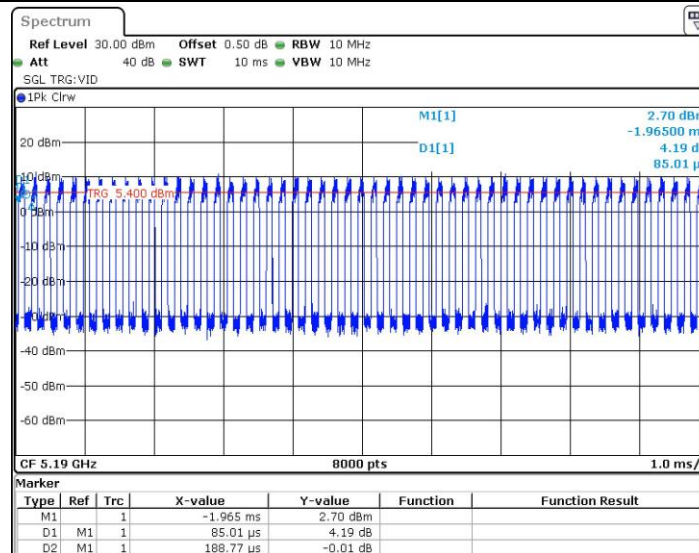
11AC20SISO_Ant1_5180



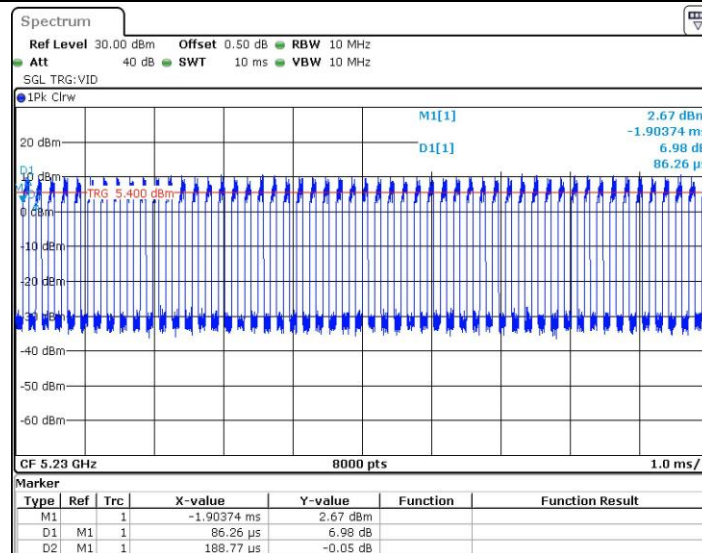
11AC20SISO_Ant1_5200



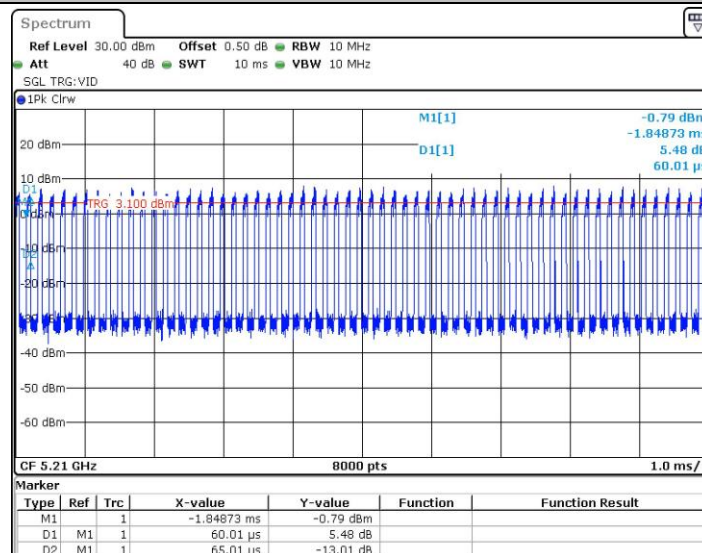
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210