

Appendix: 5G WIFI

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Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.560	5170.240	5189.800	---	PASS
		5200	19.880	5190.120	5210.000	---	PASS
		5240	19.680	5230.280	5249.960	---	PASS
		5745	19.760	5735.160	5754.920	---	PASS
		5785	20.080	5774.920	5795.000	---	PASS
		5825	19.880	5815.000	5834.880	---	PASS
11N20SISO	Ant1	5180	19.920	5170.000	5189.920	---	PASS
		5200	20.040	5190.040	5210.080	---	PASS
		5240	20.000	5230.040	5250.040	---	PASS
		5745	20.160	5734.920	5755.080	---	PASS
		5785	19.840	5775.080	5794.920	---	PASS
		5825	19.960	5814.920	5834.880	---	PASS
11N40SISO	Ant1	5190	40.560	5169.680	5210.240	---	PASS
		5230	40.400	5209.920	5250.320	---	PASS
		5755	39.680	5735.240	5774.920	---	PASS
		5795	40.320	5775.000	5815.320	---	PASS
11AC20SISO	Ant1	5180	20.040	5169.960	5190.000	---	PASS
		5200	20.120	5190.000	5210.120	---	PASS
		5240	19.920	5230.040	5249.960	---	PASS
		5745	20.040	5735.000	5755.040	---	PASS
		5785	20.320	5774.800	5795.120	---	PASS
		5825	19.920	5815.000	5834.920	---	PASS
11AC40SISO	Ant1	5190	40.560	5169.440	5210.000	---	PASS
		5230	40.320	5209.760	5250.080	---	PASS
		5755	40.240	5735.080	5775.320	---	PASS
		5795	40.480	5775.000	5815.480	---	PASS
11AC80SISO	Ant1	5210	80.800	5169.520	5250.320	---	PASS
		5775	80.160	5735.320	5815.480	---	PASS

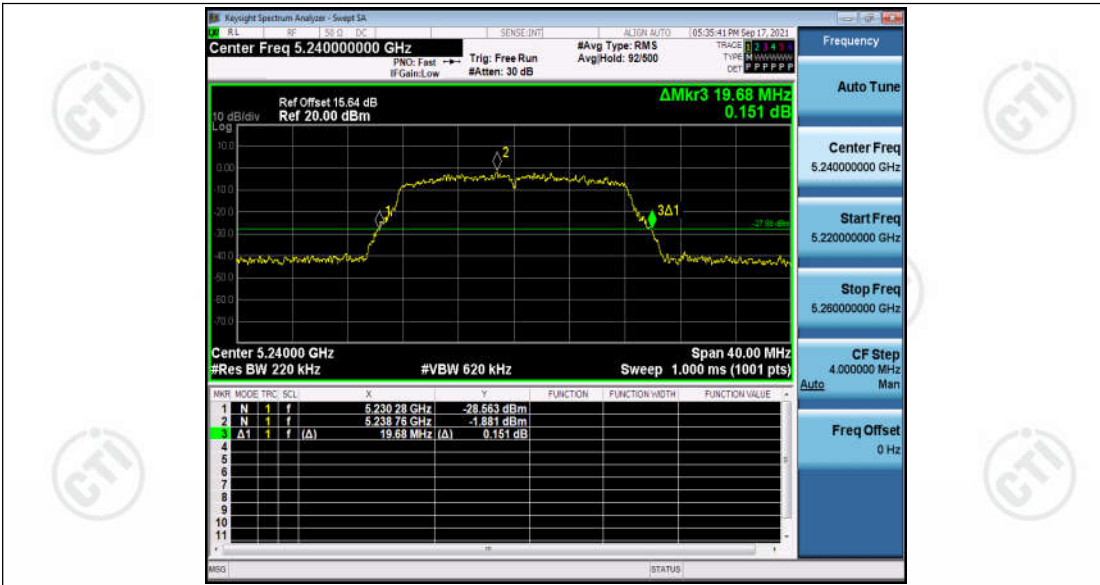
Test Graphs



11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



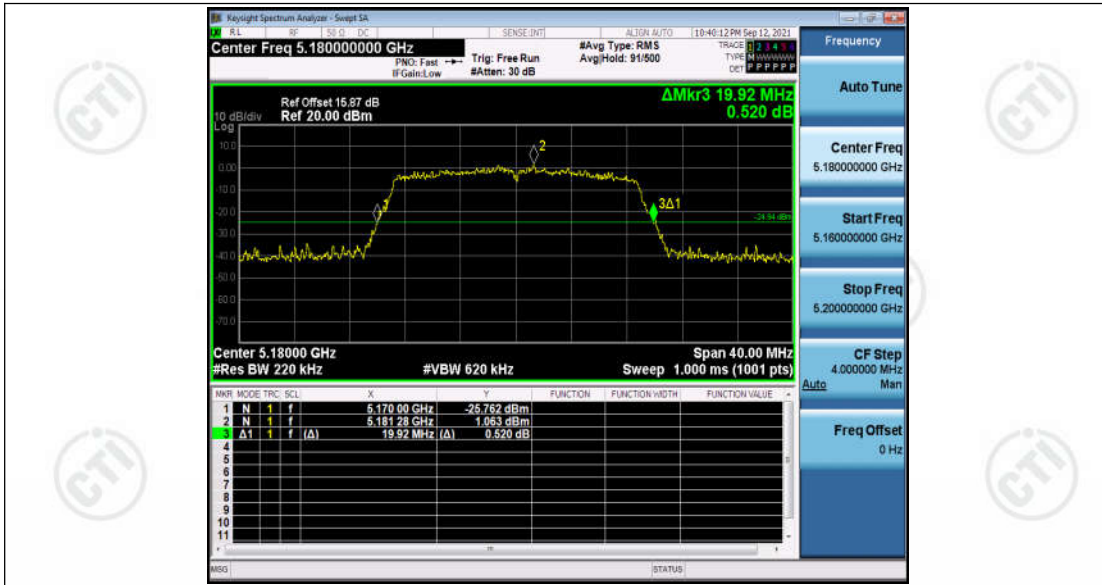
11A_Ant1_5745



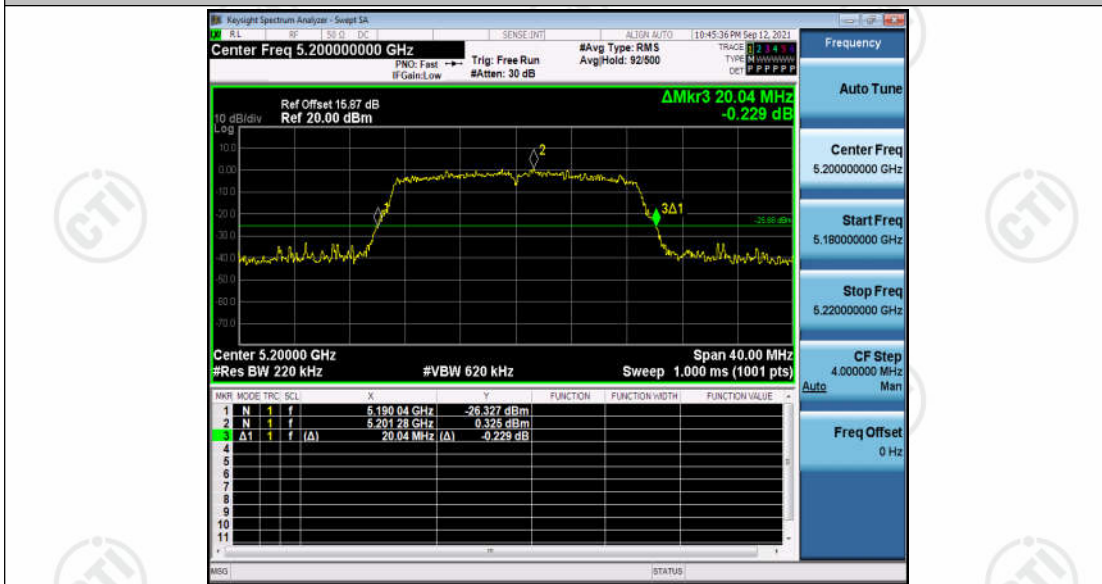
11A_Ant1_5785



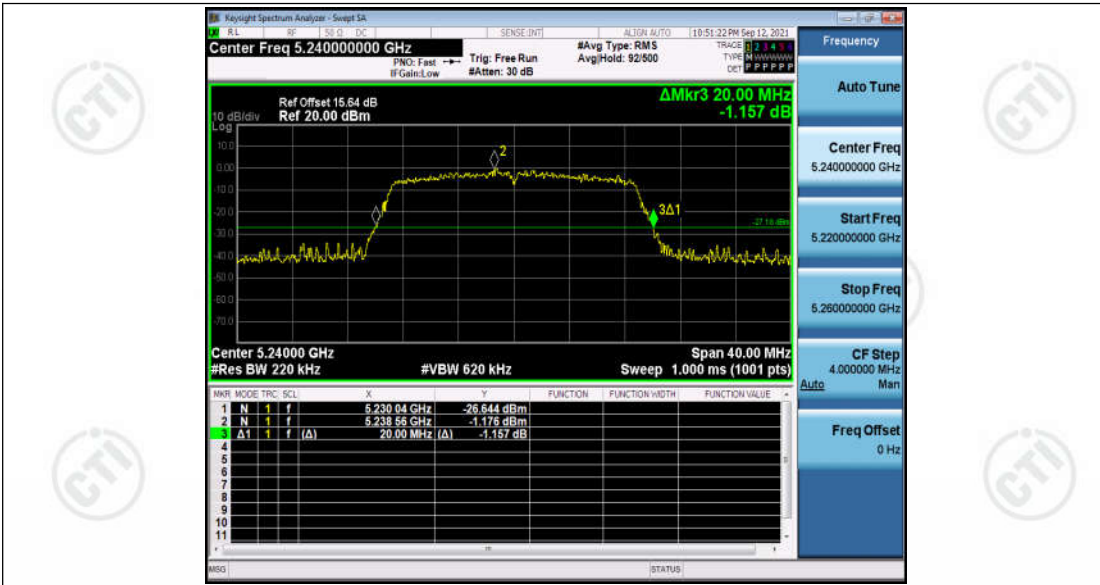
11A_Ant1_5825



11N20SISO_Ant1_5180



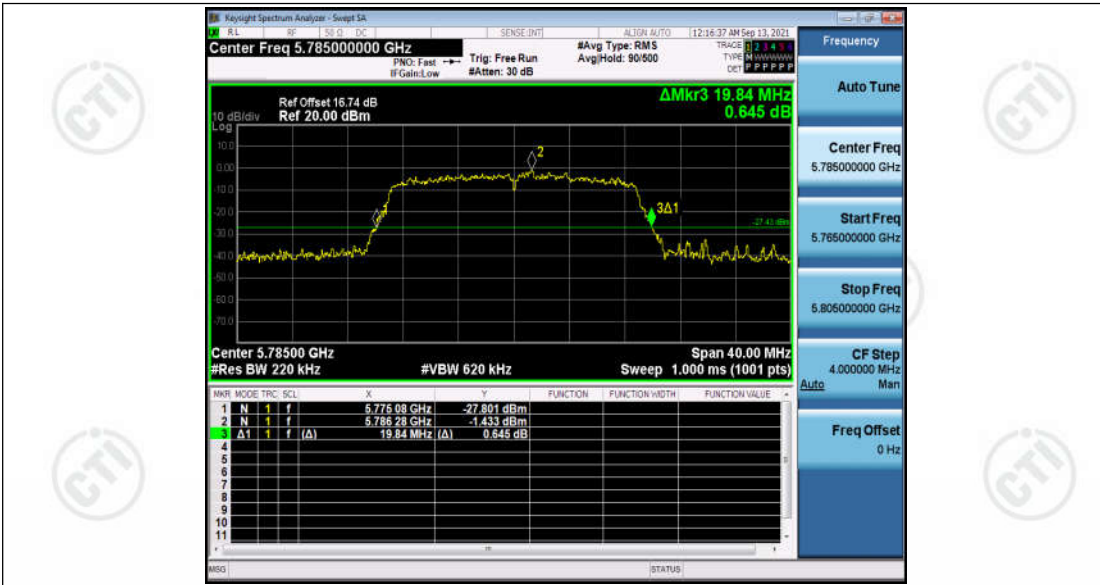
11N20SISO_Ant1_5200



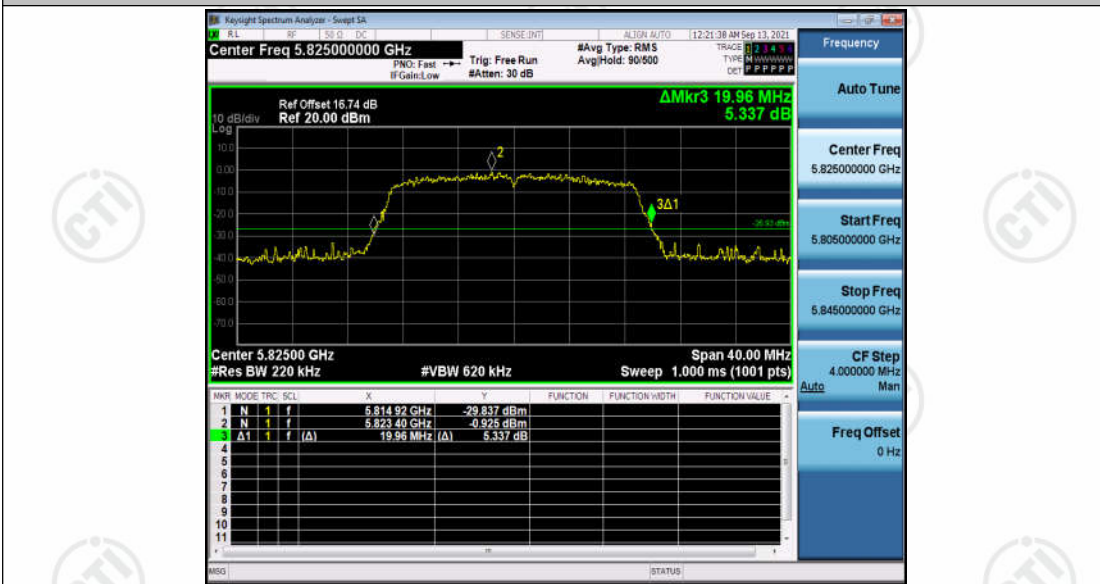
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



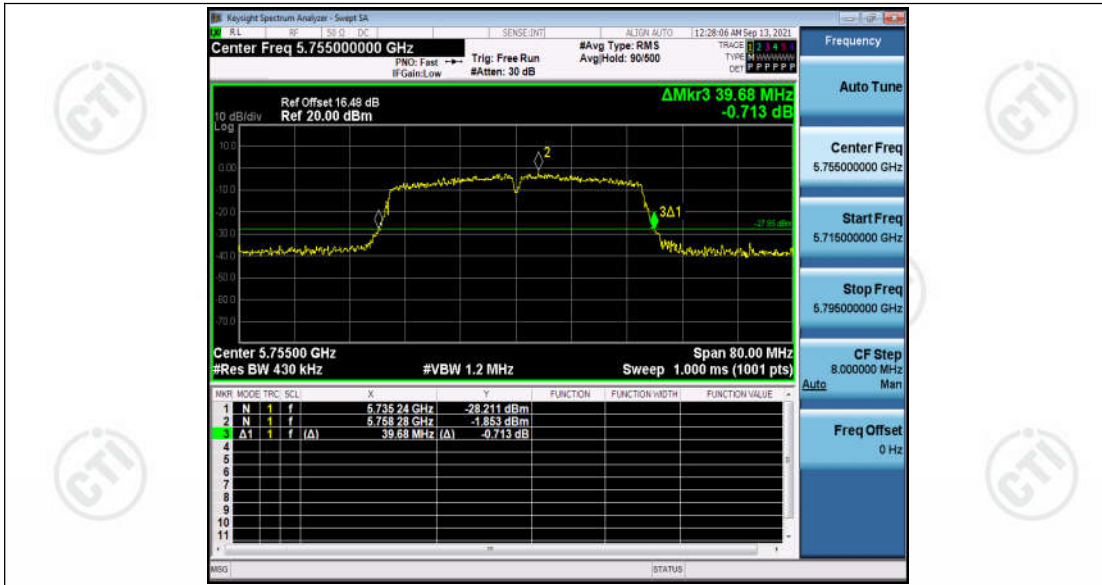
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11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



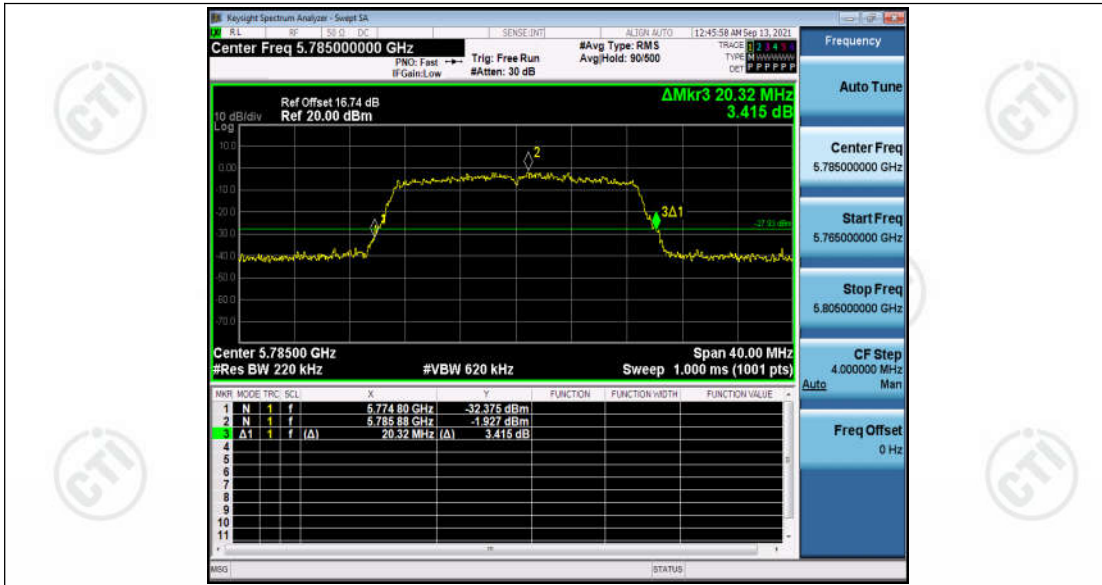
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11AC20SISO_Ant1_5240



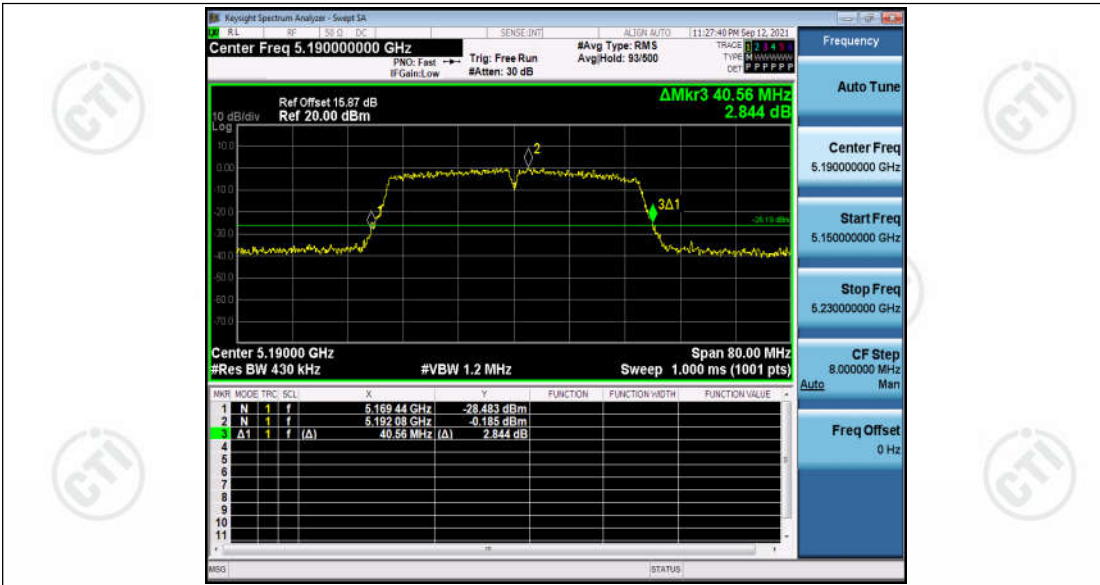
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



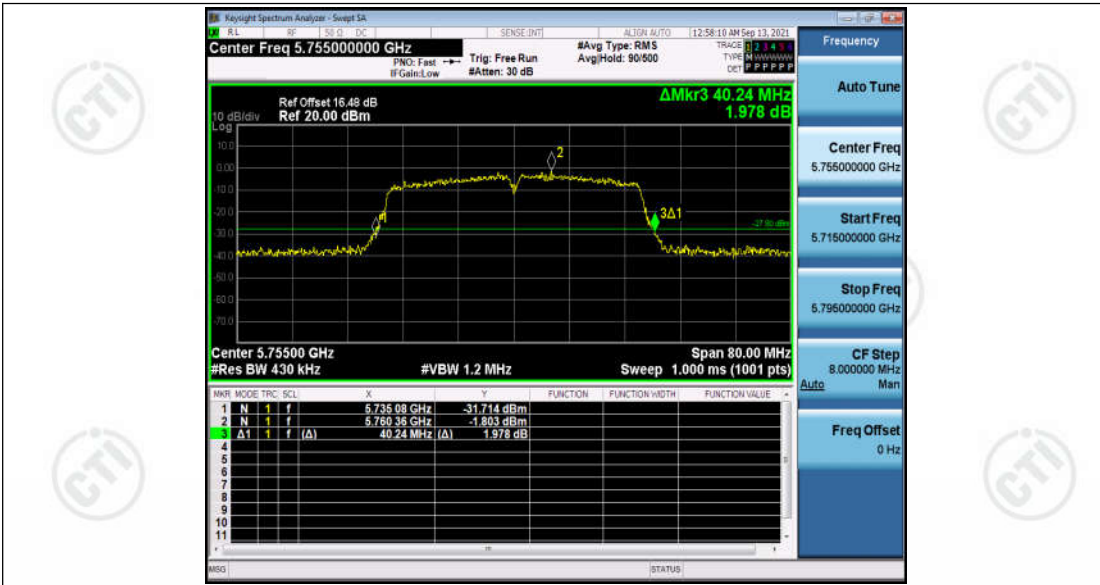
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



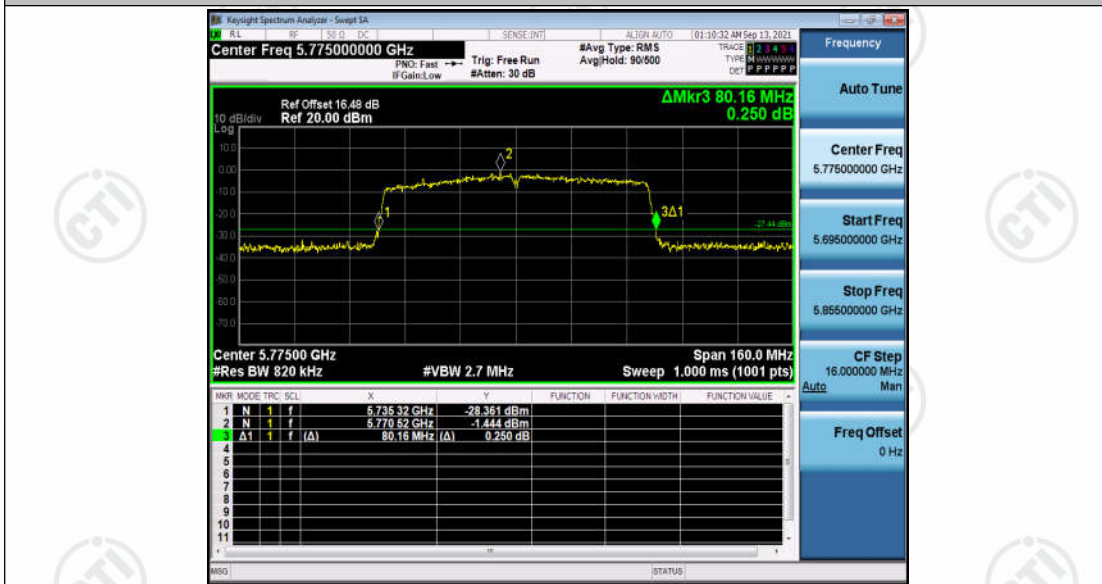
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

Appendix A2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.926	5171.509	5188.435	---	PASS
		5200	16.923	5191.544	5208.467	---	PASS
		5240	16.976	5231.520	5248.496	---	PASS
		5745	16.987	5736.586	5753.573	---	PASS
		5785	16.959	5776.572	5793.531	---	PASS
		5825	16.950	5816.513	5833.463	---	PASS
11N20SISO	Ant1	5180	17.829	5171.068	5188.897	---	PASS
		5200	17.843	5191.080	5208.923	---	PASS
		5240	17.906	5231.065	5248.971	---	PASS
		5745	17.883	5736.113	5753.996	---	PASS
		5785	17.892	5776.078	5793.970	---	PASS
		5825	17.885	5816.058	5833.943	---	PASS
11N40SISO	Ant1	5190	36.301	5171.831	5208.132	---	PASS
		5230	36.363	5211.731	5248.094	---	PASS
		5755	36.337	5736.965	5773.302	---	PASS
		5795	36.410	5776.925	5813.335	---	PASS
11AC20SISO	Ant1	5180	17.791	5171.073	5188.864	---	PASS
		5200	17.834	5191.085	5208.919	---	PASS
		5240	17.890	5231.045	5248.935	---	PASS
		5745	17.911	5736.125	5754.036	---	PASS
		5785	17.836	5776.110	5793.946	---	PASS
		5825	17.834	5816.074	5833.908	---	PASS
11AC40SISO	Ant1	5190	36.369	5171.783	5208.152	---	PASS
		5230	36.310	5211.787	5248.097	---	PASS
		5755	36.193	5737.054	5773.247	---	PASS
		5795	36.338	5776.948	5813.286	---	PASS
11AC80SISO	Ant1	5210	75.313	5172.203	5247.516	---	PASS
		5775	75.200	5737.727	5812.927	---	PASS

Test Graphs



11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



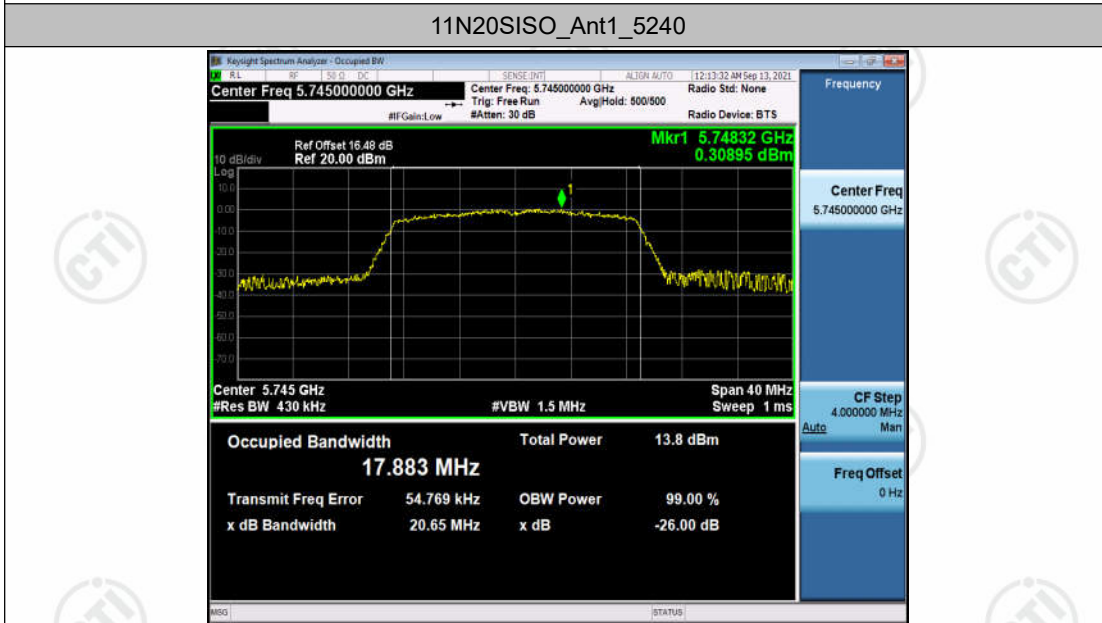
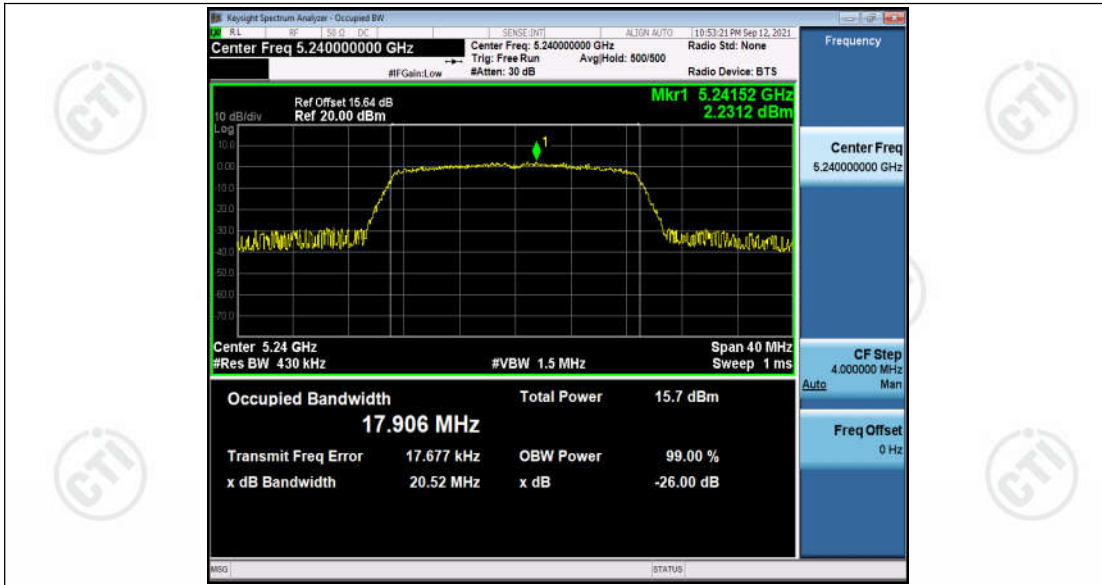
11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200





11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



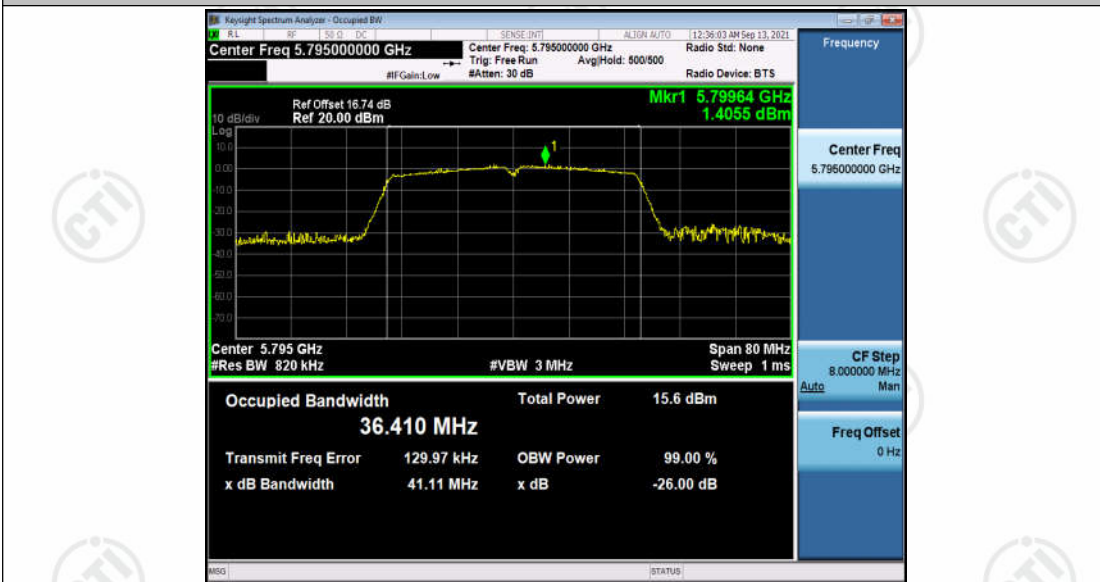
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



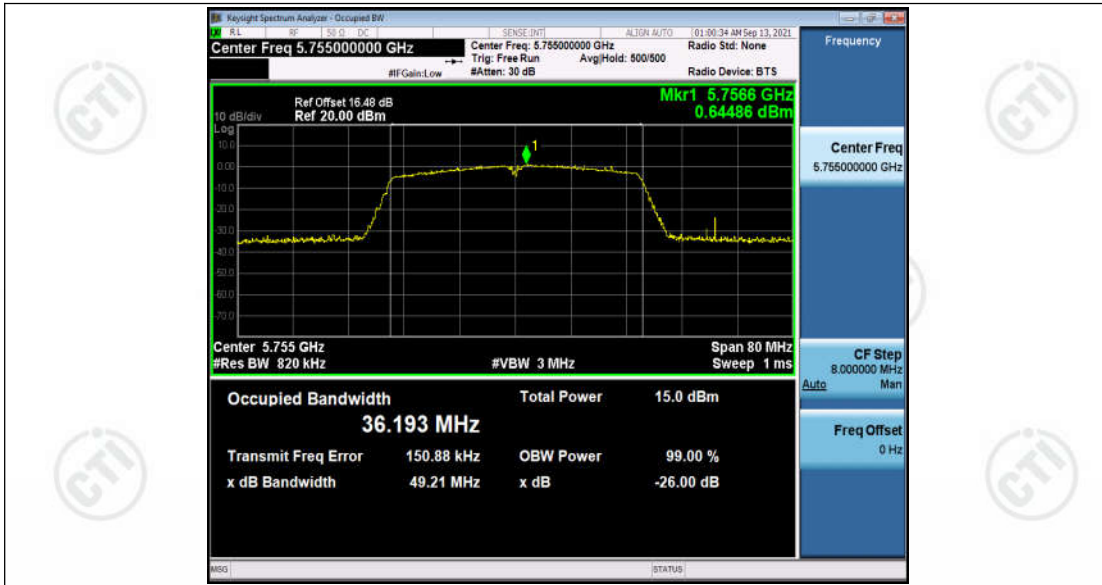
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



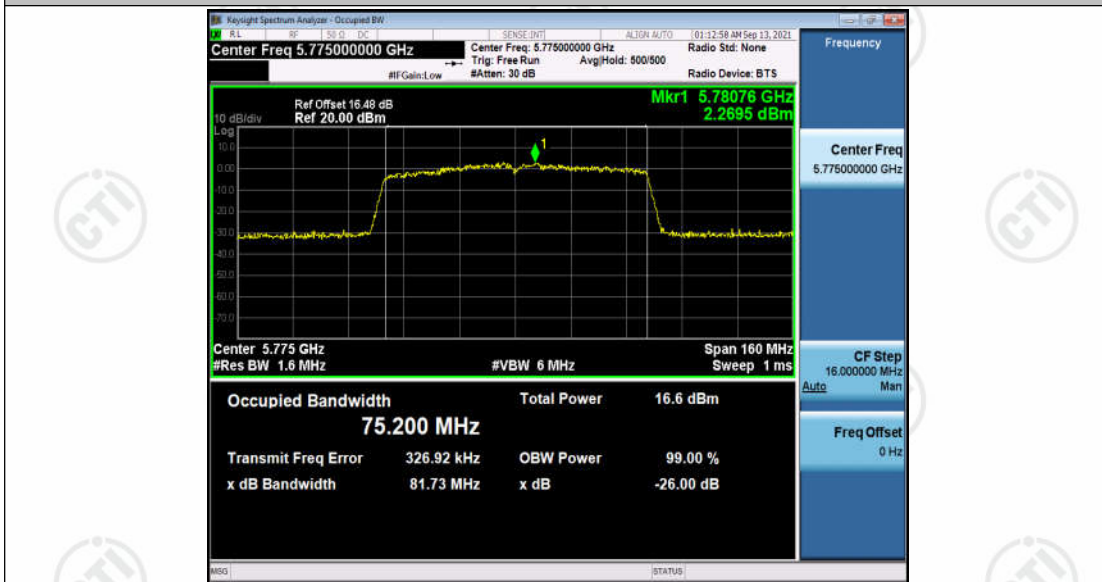
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



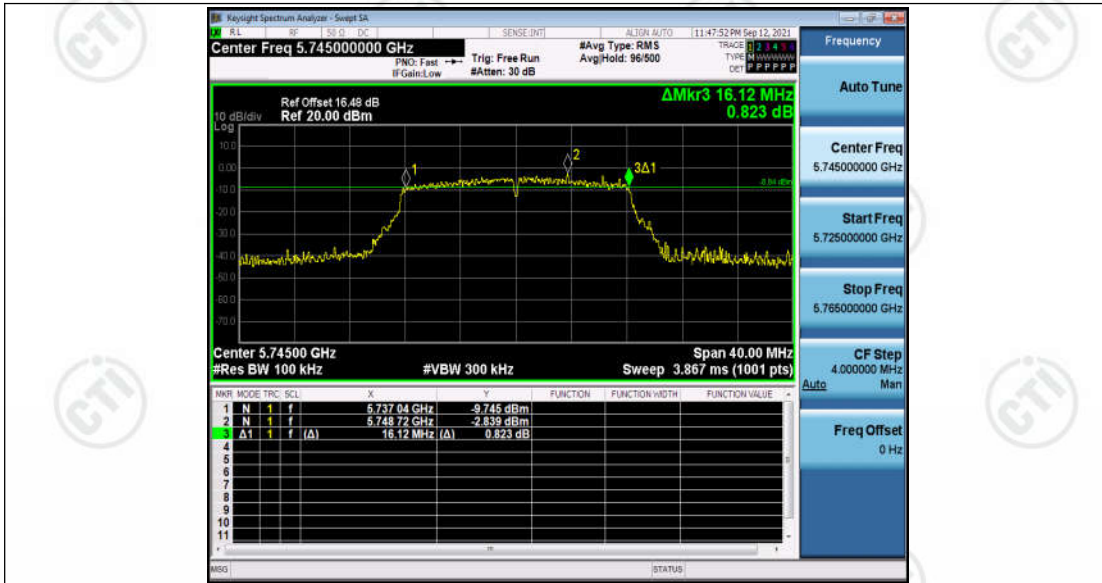
11AC80SISO_Ant1_5775

Appendix A3: Min emission bandwidth

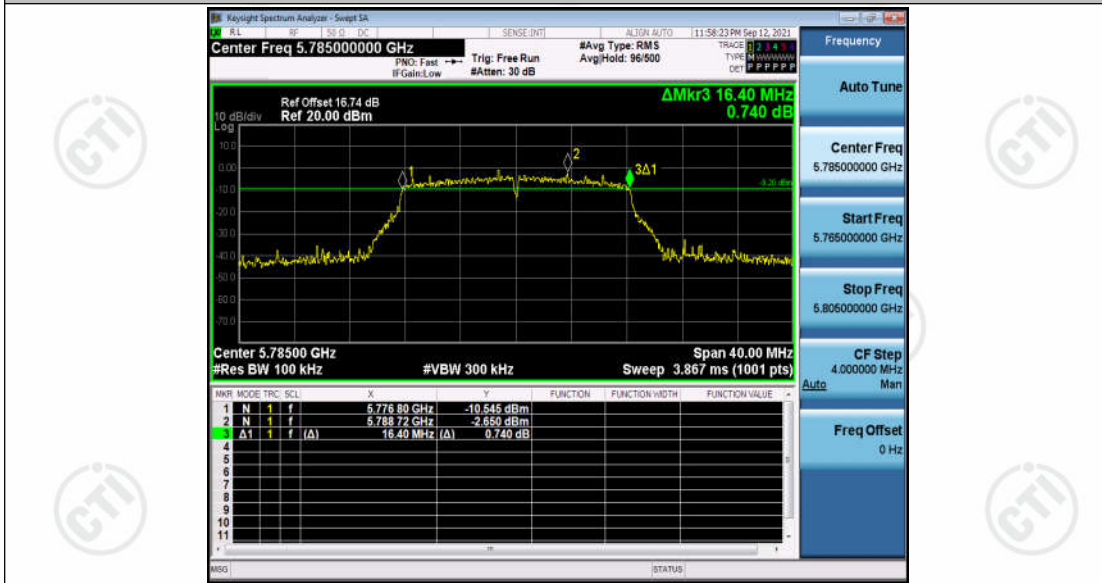
Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.120	5737.040	5753.160	0.5	PASS
		5785	16.400	5776.800	5793.200	0.5	PASS
		5825	15.560	5817.240	5832.800	0.5	PASS
11N20SISO	Ant1	5745	16.520	5737.080	5753.600	0.5	PASS
		5785	15.080	5777.400	5792.480	0.5	PASS
		5825	13.880	5818.640	5832.520	0.5	PASS
11N40SISO	Ant1	5755	34.000	5738.600	5772.600	0.5	PASS
		5795	35.280	5777.400	5812.680	0.5	PASS
11AC20SISO	Ant1	5745	13.920	5738.640	5752.560	0.5	PASS
		5785	14.280	5778.080	5792.360	0.5	PASS
		5825	15.120	5817.480	5832.600	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.200	5777.400	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.360	5737.400	5812.760	0.5	PASS

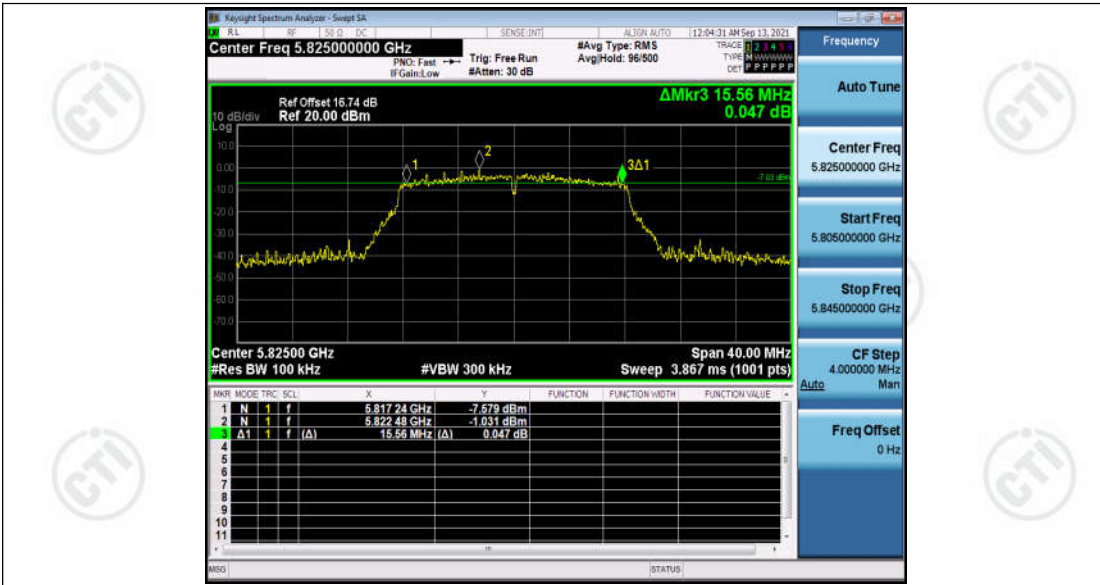
Test Graphs



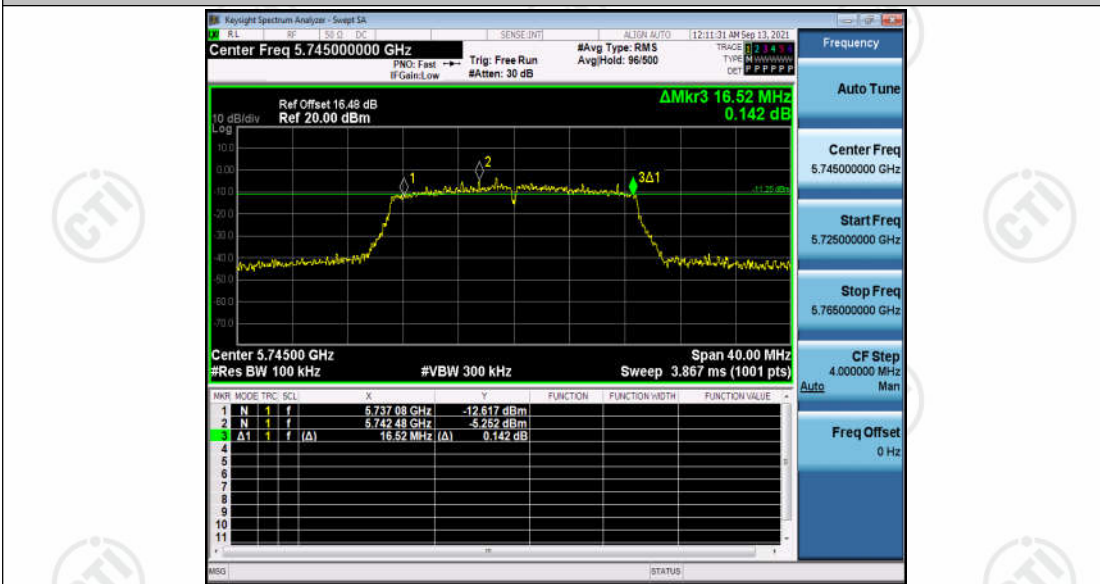
11A_Ant1_5745



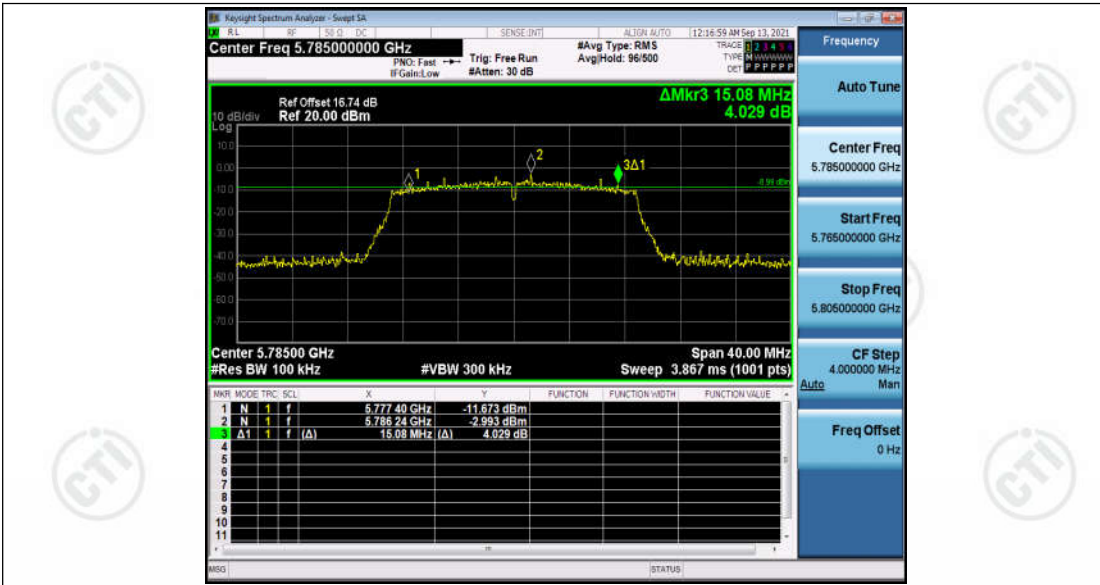
11A_Ant1_5785



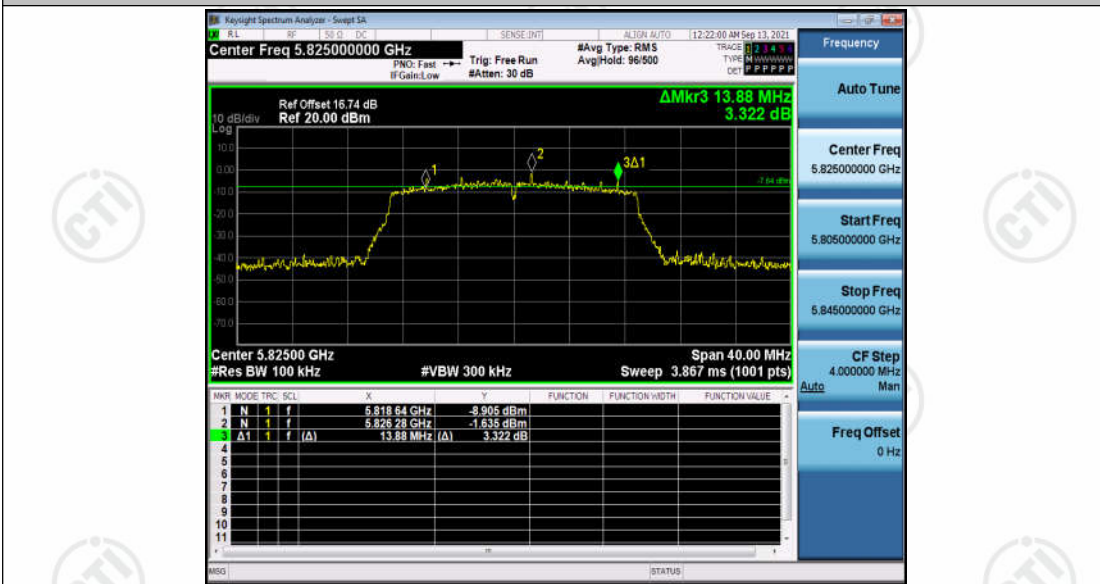
11A_Ant1_5825



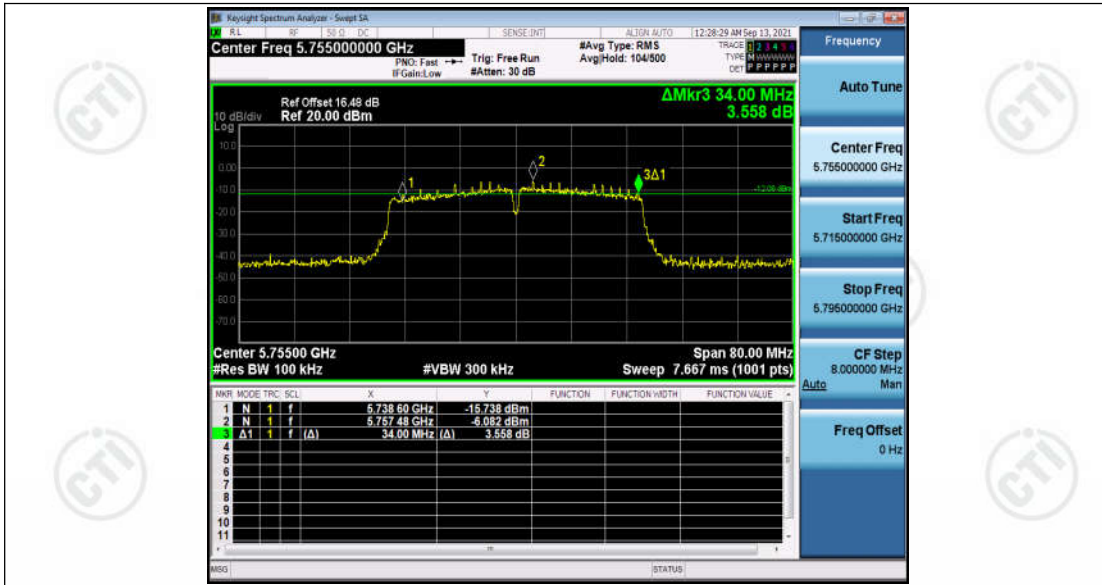
11N20SISO_Ant1_5745



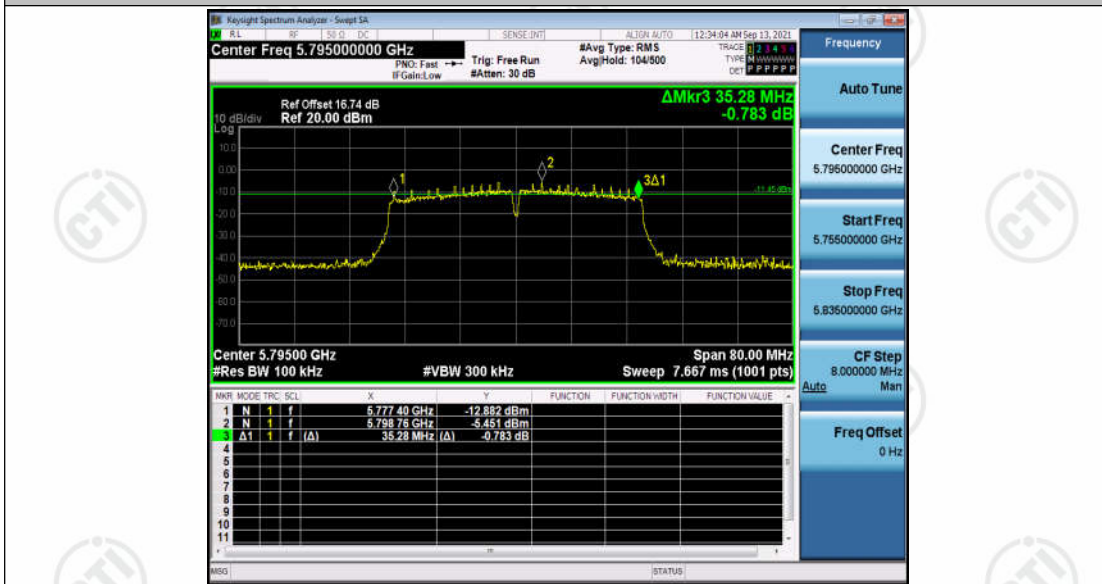
11N20SISO_Ant1_5785



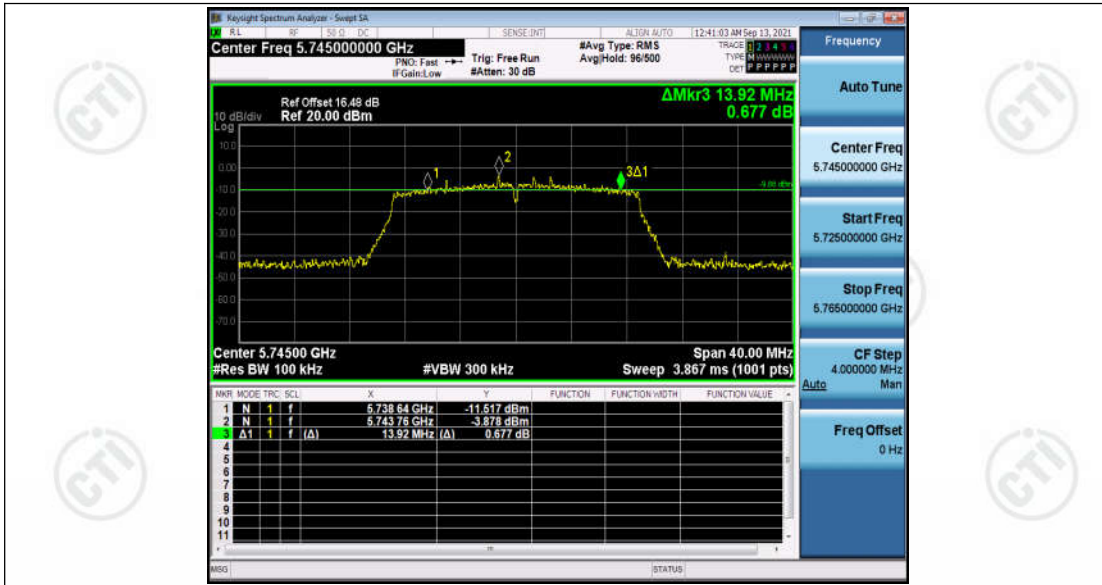
11N20SISO_Ant1_5825



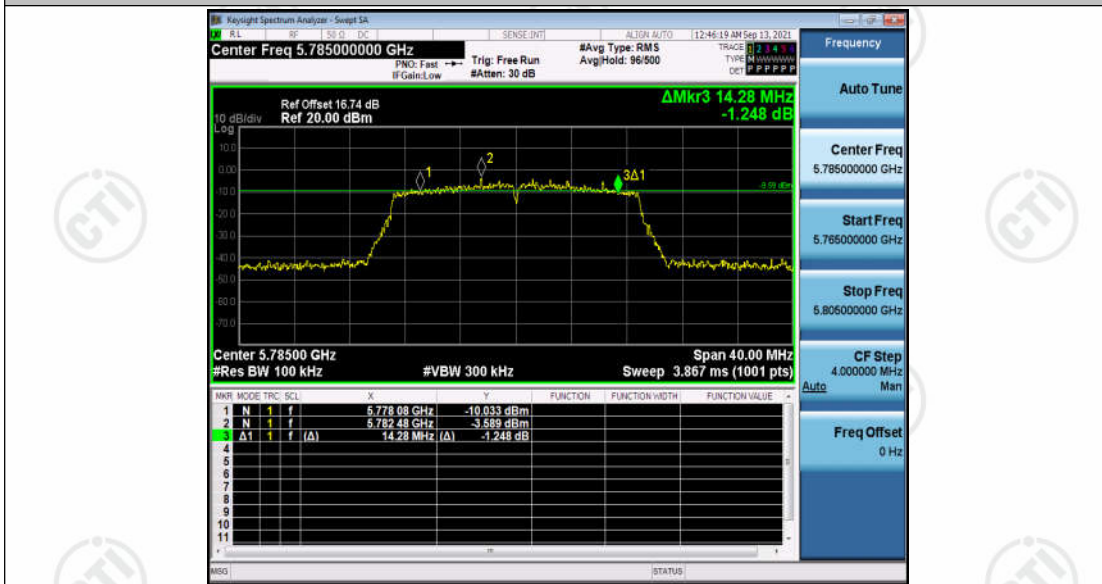
11N40SISO_Ant1_5755



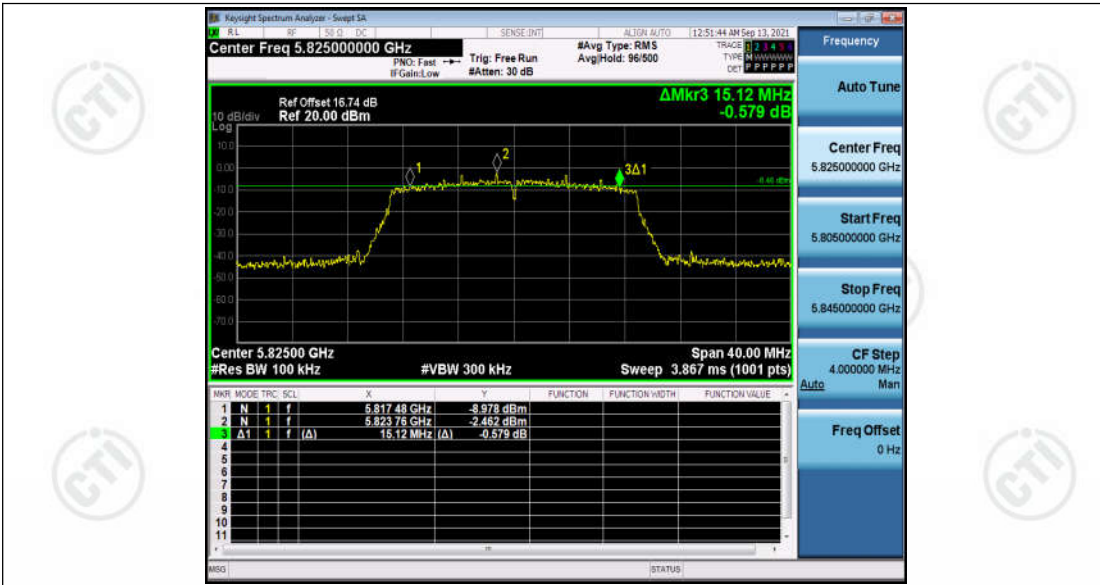
11N40SISO_Ant1_5795



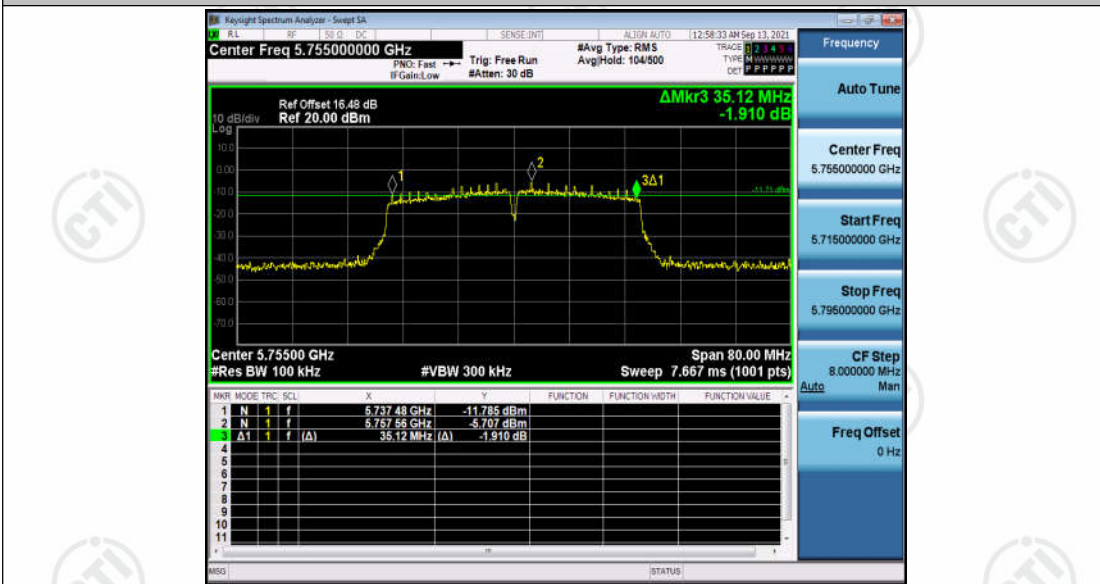
11AC20SISO_Ant1_5745



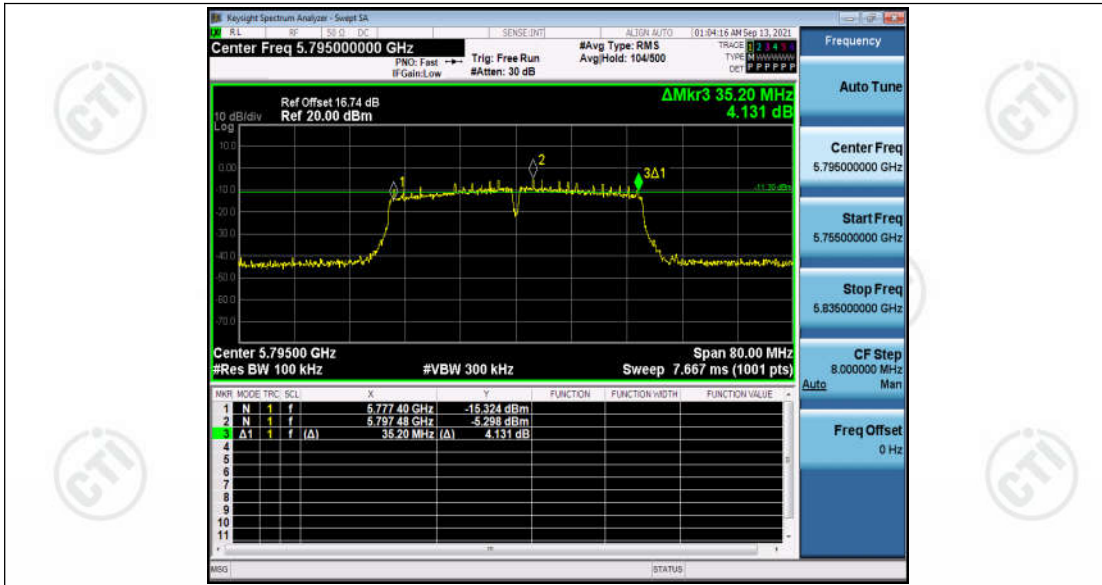
11AC20SISO_Ant1_5785



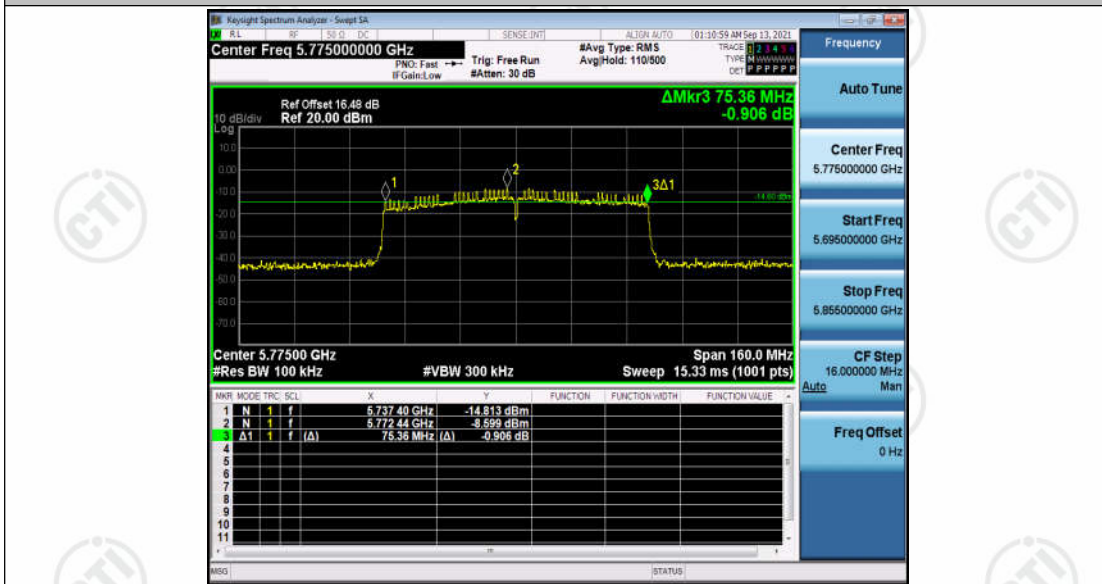
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

Appendix B: Maximum conducted output power

Test Result

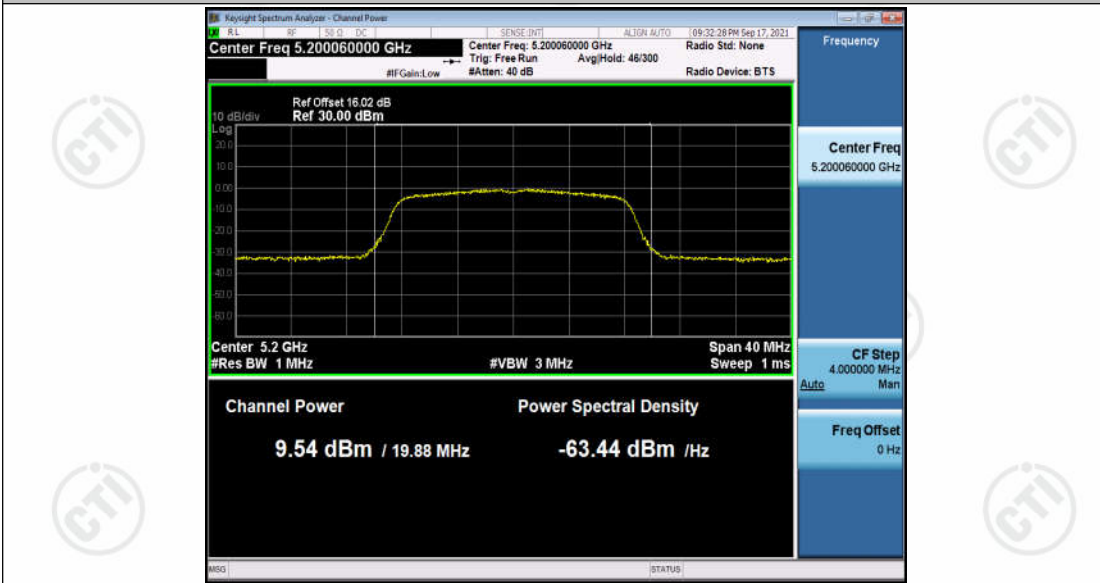
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	9.84	<=23.98	PASS
		5200	9.54	<=23.98	PASS
		5240	9.05	<=23.98	PASS
		5745	6.18	<=30	PASS
		5785	7.17	<=30	PASS
		5825	7.73	<=30	PASS
11N20SISO	Ant1	5180	7.82	<=23.98	PASS
		5200	7.53	<=23.98	PASS
		5240	6.34	<=23.98	PASS
		5745	3.35	<=30	PASS
		5785	4.30	<=30	PASS
		5825	5.37	<=30	PASS
11N40SISO	Ant1	5190	7.80	<=23.98	PASS
		5230	6.92	<=23.98	PASS
		5755	3.71	<=30	PASS
		5795	4.51	<=30	PASS
11AC20SISO	Ant1	5180	7.73	<=23.98	PASS
		5200	7.73	<=23.98	PASS
		5240	6.51	<=23.98	PASS
		5745	3.35	<=30	PASS
		5785	4.54	<=30	PASS
		5825	5.52	<=30	PASS
11AC40SISO	Ant1	5190	7.73	<=23.98	PASS
		5230	6.85	<=23.98	PASS
		5755	3.75	<=30	PASS
		5795	4.68	<=30	PASS
11AC80SISO	Ant1	5210	7.58	<=23.98	PASS
		5775	4.14	<=30	PASS

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

Test Graphs



11A_Ant1_5180



11A_Ant1_5200

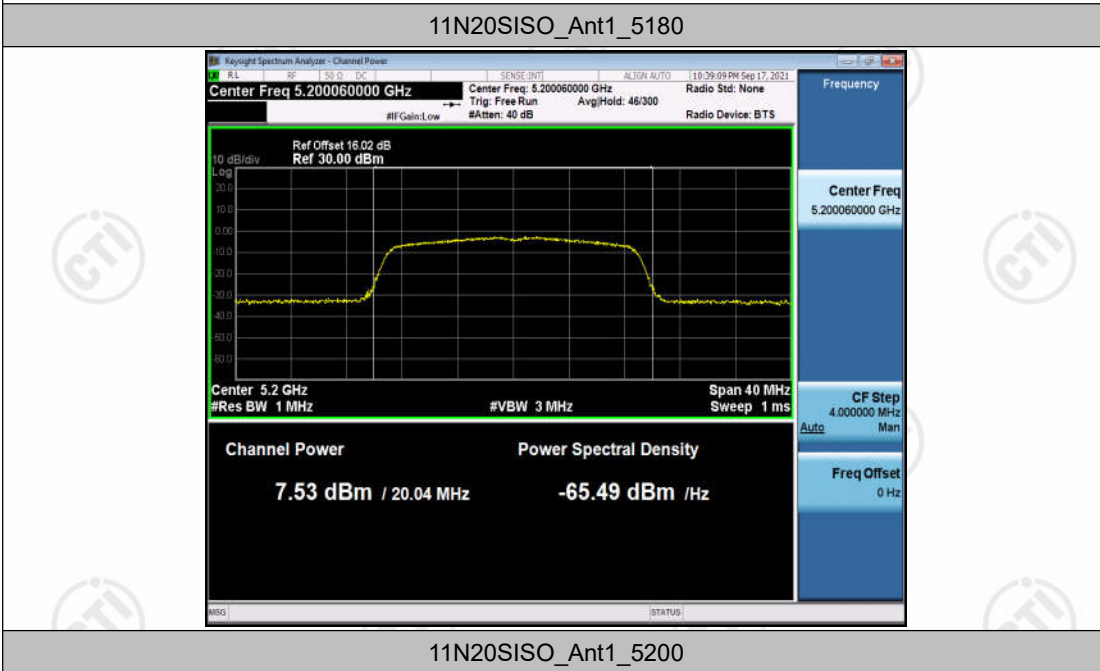
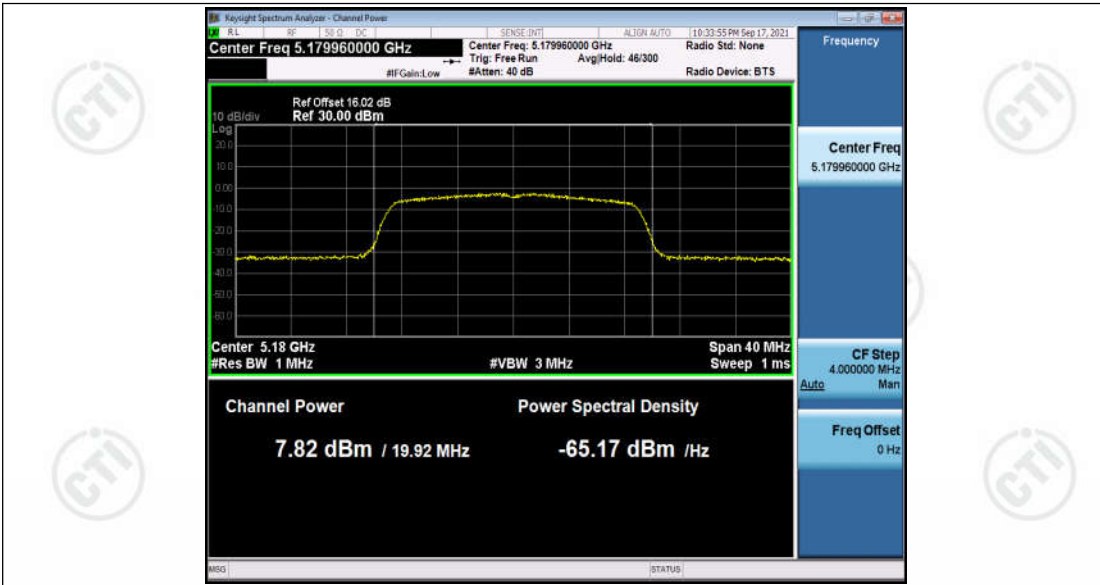


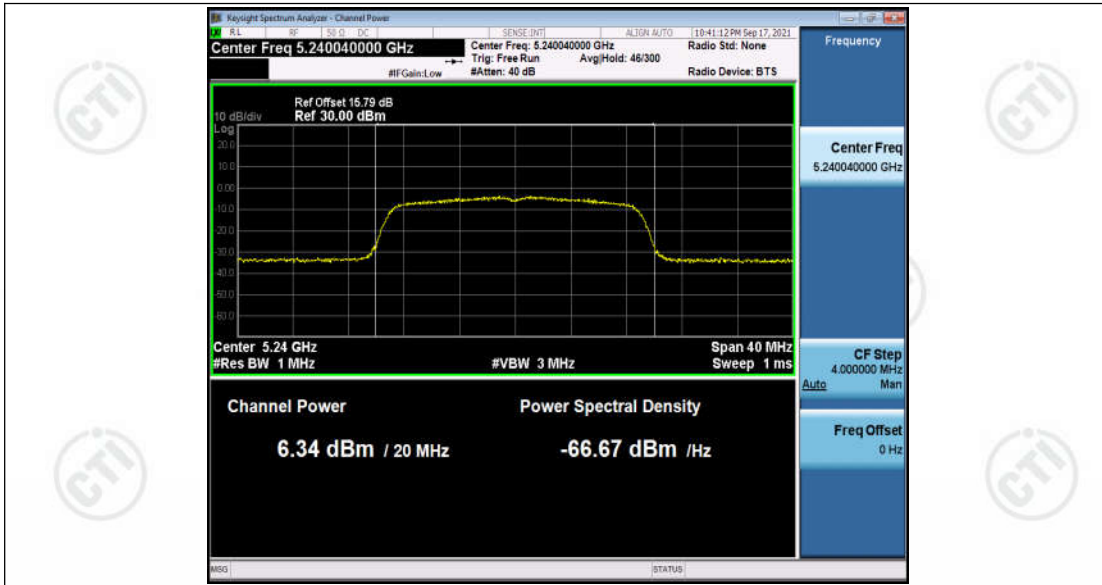
11A_Ant1_5240



11A_Ant1_5745



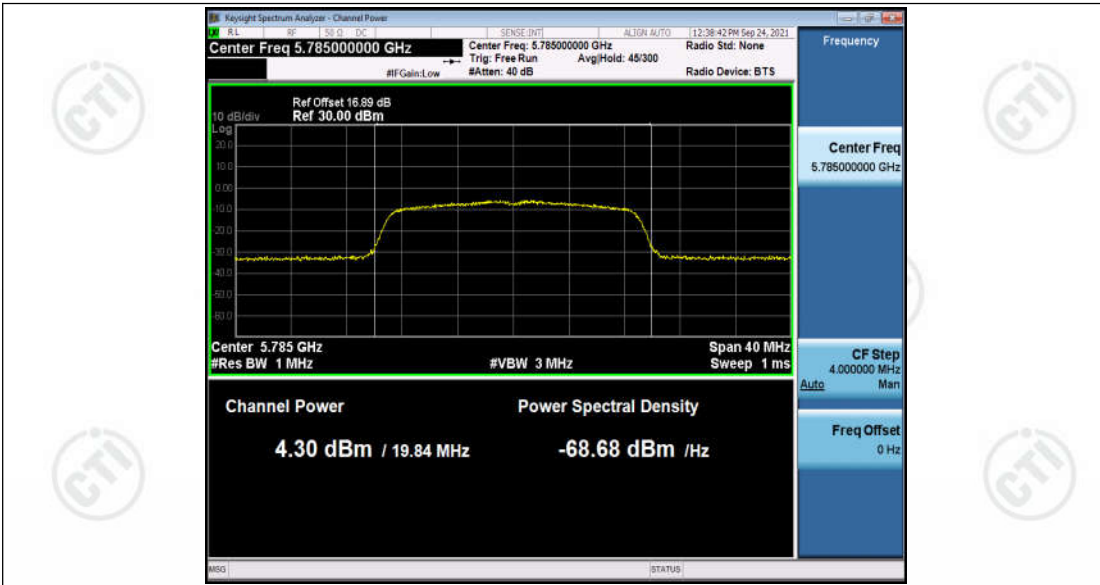




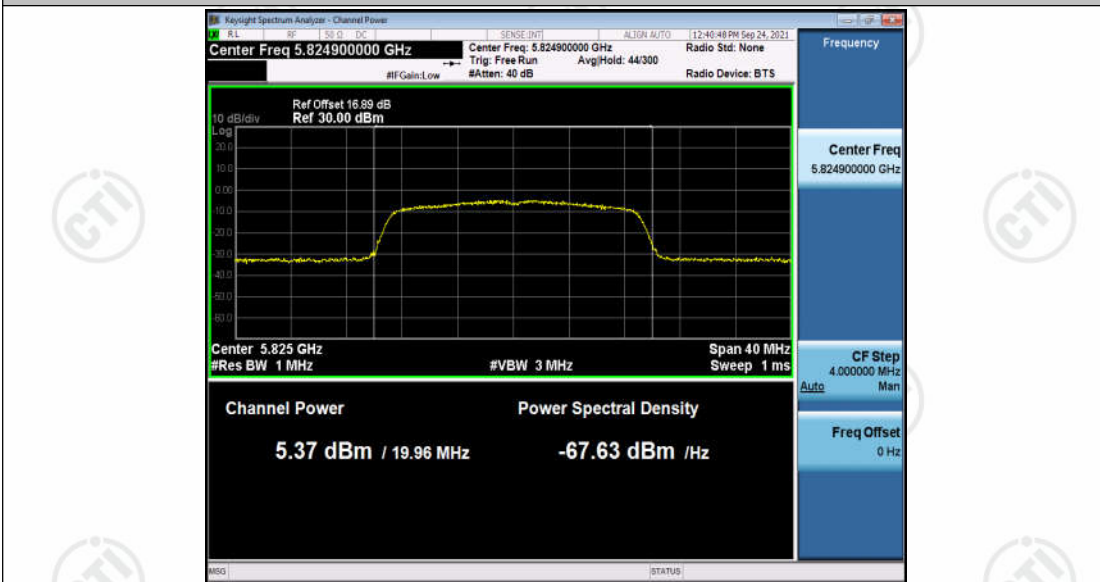
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825