

Annex for FCC 5G WIFI

Test Report No. : CTL2103245011-WF04

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.760	5170.120	5189.880	---	PASS
		5200	19.920	5190.080	5210.000	---	PASS
		5240	19.760	5230.120	5249.880	---	PASS
		5745	19.680	5735.160	5754.840	---	PASS
		5785	19.600	5775.200	5794.800	---	PASS
		5825	19.560	5815.240	5834.800	---	PASS
11N20SISO	Ant1	5180	20.000	5170.000	5190.000	---	PASS
		5200	20.000	5190.040	5210.040	---	PASS
		5240	19.760	5230.080	5249.840	---	PASS
		5745	20.000	5735.040	5755.040	---	PASS
		5785	19.880	5775.120	5795.000	---	PASS
		5825	19.920	5815.040	5834.960	---	PASS
11N40SISO	Ant1	5190	40.240	5170.000	5210.240	---	PASS
		5230	40.320	5209.920	5250.240	---	PASS
		5755	40.240	5735.000	5775.240	---	PASS
		5795	40.400	5774.680	5815.080	---	PASS
11AC20SISO	Ant1	5180	19.840	5170.080	5189.920	---	PASS
		5200	19.960	5190.040	5210.000	---	PASS
		5240	19.920	5230.040	5249.960	---	PASS
		5745	19.920	5735.040	5754.960	---	PASS
		5785	20.920	5774.200	5795.120	---	PASS
		5825	21.480	5814.360	5835.840	---	PASS
11AC40SISO	Ant1	5190	40.720	5169.760	5210.480	---	PASS
		5230	40.640	5209.680	5250.320	---	PASS
		5755	40.480	5734.840	5775.320	---	PASS
		5795	40.960	5774.600	5815.560	---	PASS
11AC80SISO	Ant1	5210	80.960	5169.680	5250.640	---	PASS
		5775	81.440	5734.360	5815.800	---	PASS

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	20.080	5170.160	5190.240	---	PASS
		5200	20.040	5190.040	5210.080	---	PASS
		5240	20.240	5229.960	5250.200	---	PASS
		5745	21.280	5733.960	5755.240	---	PASS
		5785	21.280	5773.880	5795.160	---	PASS
		5825	22.560	5812.800	5835.360	---	PASS
11N20SISO	Ant2	5180	20.160	5169.920	5190.080	---	PASS
		5200	20.160	5189.920	5210.080	---	PASS
		5240	20.240	5229.880	5250.120	---	PASS
		5745	20.600	5734.520	5755.120	---	PASS
		5785	20.160	5774.920	5795.080	---	PASS
		5825	20.680	5814.440	5835.120	---	PASS
11N40SISO	Ant2	5190	40.320	5169.840	5210.160	---	PASS
		5230	40.800	5209.440	5250.240	---	PASS
		5755	41.120	5734.200	5775.320	---	PASS
		5795	41.120	5774.280	5815.400	---	PASS
11AC20SISO	Ant2	5180	20.240	5169.920	5190.160	---	PASS
		5200	20.160	5189.920	5210.080	---	PASS
		5240	20.240	5229.880	5250.120	---	PASS
		5745	20.280	5734.920	5755.200	---	PASS
		5785	20.200	5774.920	5795.120	---	PASS
		5825	20.600	5814.520	5835.120	---	PASS
11AC40SISO	Ant2	5190	40.320	5169.920	5210.240	---	PASS
		5230	40.240	5209.840	5250.080	---	PASS
		5755	41.120	5734.200	5775.320	---	PASS
		5795	40.880	5774.440	5815.320	---	PASS
11AC80SISO	Ant2	5210	85.440	5165.360	5250.800	---	PASS
		5775	84.320	5731.800	5816.120	---	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



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



11A_Ant2_5180



11A_Ant2_5200



11A_Ant2_5240



11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5180



11N20SISO_Ant2_5200



11N20SISO_Ant2_5240



11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5200



11AC20SISO_Ant2_5240



11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5210



11AC80SISO_Ant2_5775



Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.995	5171.510	5188.505	---	PASS
		5200	16.979	5191.493	5208.472	---	PASS
		5240	16.943	5231.513	5248.456	---	PASS
		5745	16.686	5736.626	5753.312	---	PASS
		5785	16.690	5776.639	5793.329	---	PASS
		5825	16.688	5816.649	5833.337	---	PASS
11N20SISO	Ant1	5180	17.749	5171.173	5188.922	---	PASS
		5200	17.732	5191.159	5208.891	---	PASS
		5240	17.671	5231.206	5248.877	---	PASS
		5745	17.754	5736.118	5753.872	---	PASS
		5785	17.758	5776.140	5793.898	---	PASS
		5825	17.722	5816.169	5833.891	---	PASS
11N40SISO	Ant1	5190	36.242	5171.972	5208.214	---	PASS
		5230	36.331	5211.945	5248.276	---	PASS
		5755	36.422	5736.852	5773.274	---	PASS
		5795	36.396	5776.840	5813.236	---	PASS
11AC20SISO	Ant1	5180	17.711	5171.191	5188.902	---	PASS
		5200	17.690	5191.195	5208.885	---	PASS
		5240	17.679	5231.204	5248.883	---	PASS
		5745	17.786	5736.120	5753.906	---	PASS
		5785	18.069	5775.971	5794.040	---	PASS
		5825	18.103	5815.962	5834.065	---	PASS
11AC40SISO	Ant1	5190	37.190	5171.530	5208.720	---	PASS
		5230	37.553	5211.228	5248.781	---	PASS
		5755	37.172	5736.514	5773.686	---	PASS
		5795	38.042	5775.988	5814.030	---	PASS
11AC80SISO	Ant1	5210	76.388	5171.957	5248.345	---	PASS
		5775	77.283	5736.464	5813.747	---	PASS

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	17.031	5171.506	5188.537	---	PASS
		5200	17.074	5191.391	5208.465	---	PASS
		5240	17.027	5231.402	5248.429	---	PASS
		5745	17.147	5736.391	5753.538	---	PASS
		5785	17.108	5776.350	5793.458	---	PASS
		5825	17.165	5816.371	5833.536	---	PASS

11N20SISO	Ant2	5180	17.918	5171.075	5188.993	---	PASS
		5200	17.896	5191.019	5208.915	---	PASS
		5240	17.920	5231.005	5248.925	---	PASS
		5745	18.004	5735.964	5753.968	---	PASS
		5785	17.949	5775.991	5793.940	---	PASS
		5825	17.970	5816.004	5833.974	---	PASS
11N40SISO	Ant2	5190	36.297	5171.891	5208.188	---	PASS
		5230	36.412	5211.773	5248.185	---	PASS
		5755	36.637	5736.728	5773.365	---	PASS
		5795	36.608	5776.732	5813.340	---	PASS
11AC20SISO	Ant2	5180	17.895	5171.092	5188.987	---	PASS
		5200	17.872	5191.026	5208.898	---	PASS
		5240	17.885	5231.028	5248.913	---	PASS
		5745	17.991	5735.965	5753.956	---	PASS
		5785	17.947	5775.991	5793.938	---	PASS
		5825	17.986	5815.998	5833.984	---	PASS
11AC40SISO	Ant2	5190	36.313	5171.898	5208.211	---	PASS
		5230	36.330	5211.809	5248.139	---	PASS
		5755	36.606	5736.736	5773.342	---	PASS
		5795	36.561	5776.744	5813.305	---	PASS
11AC80SISO	Ant2	5210	76.079	5171.924	5248.003	---	PASS
		5775	76.133	5736.929	5813.062	---	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



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



11AC40ISO_Ant1_5230



11AC40ISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



11A_Ant2_5180



11A_Ant2_5200



11A_Ant2_5240



11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5180



11N20SISO_Ant2_5200



11N20SISO_Ant2_5240



11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5200



11AC20SISO_Ant2_5240



11AC20SISO_Ant2_5745



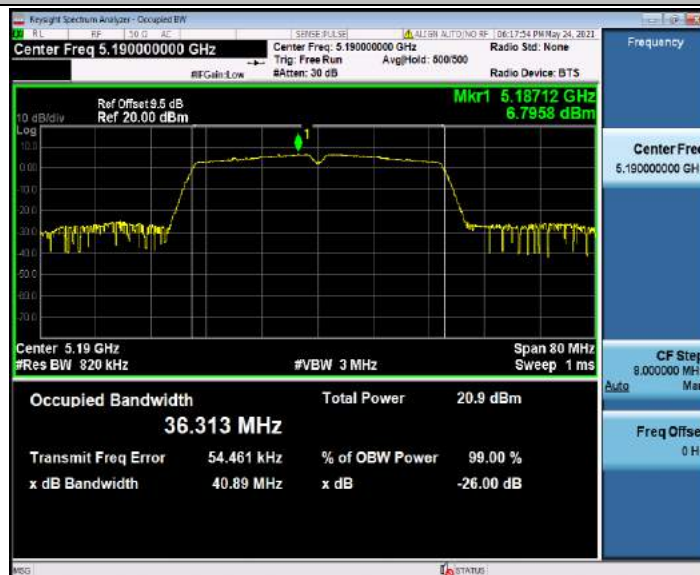
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11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5210



11AC80SISO_Ant2_5775



Appendix A3: Min emission bandwidth

Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.800	5736.800	5752.600	0.5	PASS
		5785	16.400	5776.800	5793.200	0.5	PASS
		5825	15.200	5817.400	5832.600	0.5	PASS
11N20SISO	Ant1	5745	16.080	5736.520	5752.600	0.5	PASS
		5785	15.760	5776.840	5792.600	0.5	PASS
		5825	15.200	5817.400	5832.600	0.5	PASS
11N40SISO	Ant1	5755	36.160	5736.760	5772.920	0.5	PASS
		5795	35.600	5777.000	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	16.280	5736.520	5752.800	0.5	PASS
		5785	15.200	5777.400	5792.600	0.5	PASS
		5825	15.200	5817.400	5832.600	0.5	PASS
11AC40SISO	Ant1	5755	35.360	5737.320	5772.680	0.5	PASS
		5795	35.360	5777.320	5812.680	0.5	PASS
11AC80SISO	Ant1	5775	75.520	5737.240	5812.760	0.5	PASS

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	15.200	5737.400	5752.600	0.5	PASS
		5785	15.160	5777.400	5792.560	0.5	PASS
		5825	15.200	5817.400	5832.600	0.5	PASS
11N20SISO	Ant2	5745	15.200	5737.400	5752.600	0.5	PASS
		5785	15.200	5777.400	5792.600	0.5	PASS
		5825	15.120	5817.400	5832.520	0.5	PASS
11N40SISO	Ant2	5755	35.280	5737.320	5772.600	0.5	PASS
		5795	35.360	5777.320	5812.680	0.5	PASS
11AC20SISO	Ant2	5745	15.200	5737.400	5752.600	0.5	PASS
		5785	15.200	5777.400	5792.600	0.5	PASS
		5825	15.200	5817.400	5832.600	0.5	PASS
11AC40SISO	Ant2	5755	35.360	5737.320	5772.680	0.5	PASS
		5795	35.360	5777.320	5812.680	0.5	PASS
11AC80SISO	Ant2	5775	76.000	5736.760	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



11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5745



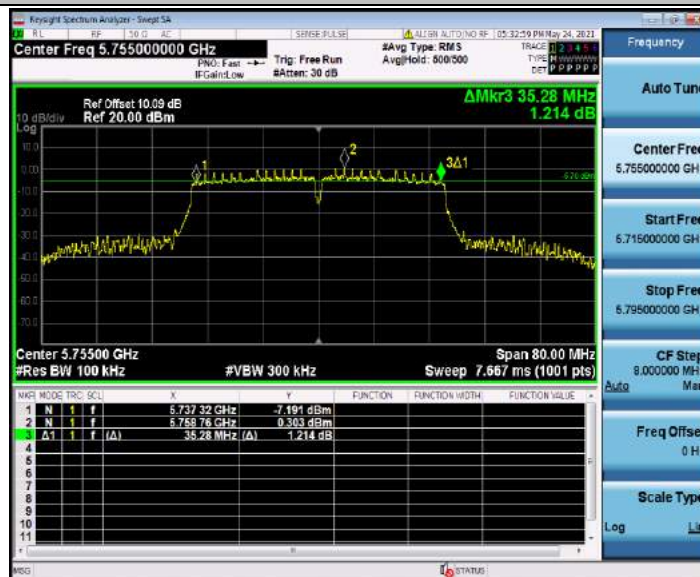
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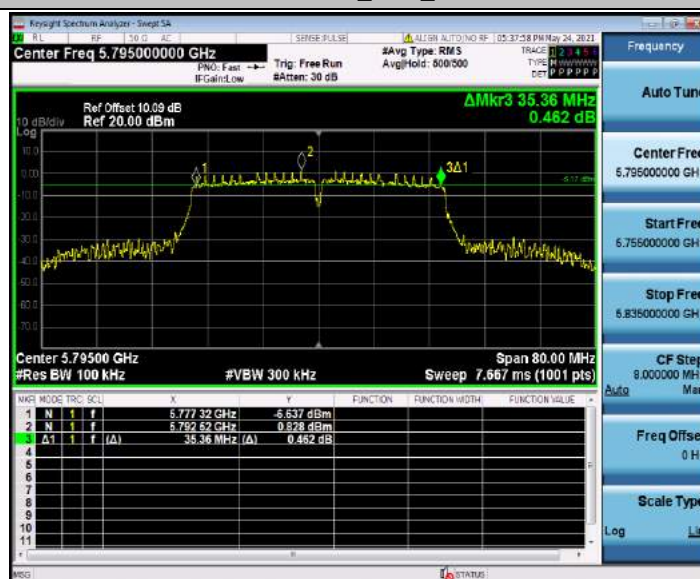
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11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



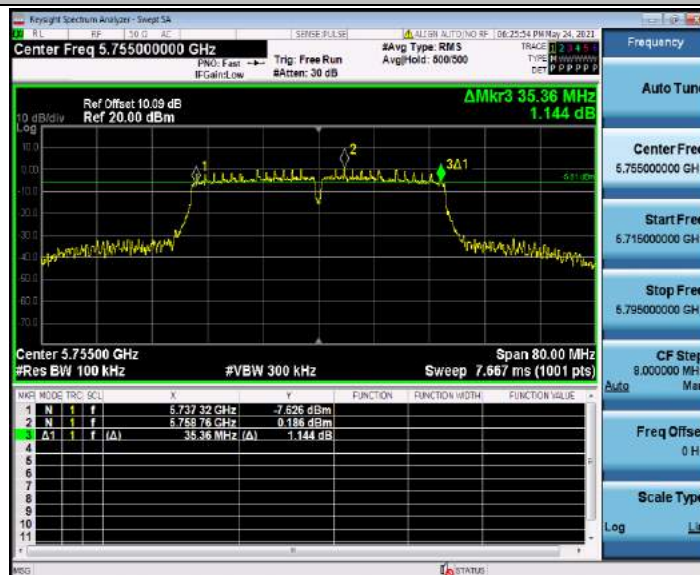
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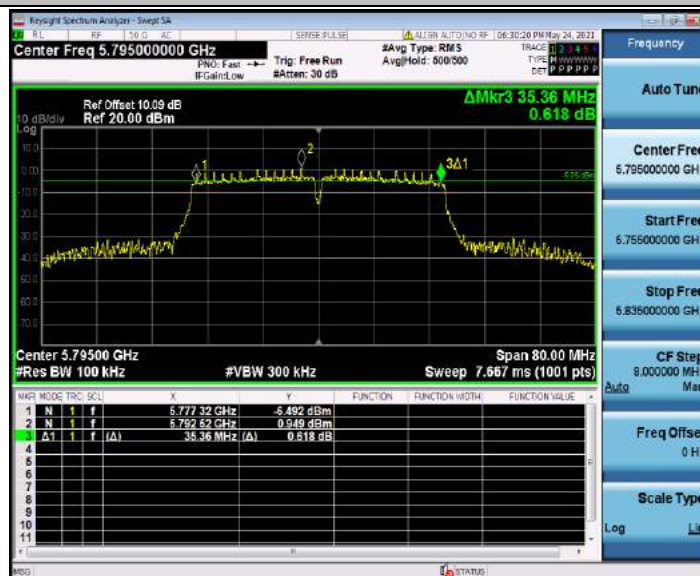
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775

