

Annex for FCC 5G WIFI

Test Report No.: CTL2205129022-WF02

Appendix A: Emission Bandwidth

Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.960	5170.000	5189.960	---	PASS
		5200	19.760	5190.120	5209.880	---	PASS
		5240	19.720	5230.120	5249.840	---	PASS
		5260	19.880	5250.200	5270.080	---	PASS
		5280	21.520	5269.640	5291.160	---	PASS
		5320	19.880	5310.160	5330.040	---	PASS
		5500	22.360	5488.400	5510.760	---	PASS
		5580	21.600	5570.000	5591.600	---	PASS
		5700	24.040	5688.680	5712.720	---	PASS
		5745	23.240	5733.360	5756.600	---	PASS
		5785	19.920	5775.080	5795.000	---	PASS
		5825	19.960	5815.040	5835.000	---	PASS
11N20SISO	Ant1	5180	20.080	5170.000	5190.080	---	PASS
		5200	20.120	5189.960	5210.080	---	PASS
		5240	20.200	5230.000	5250.200	---	PASS
		5260	20.320	5249.880	5270.200	---	PASS
		5280	20.000	5270.000	5290.000	---	PASS
		5320	20.320	5309.840	5330.160	---	PASS
		5500	20.480	5489.680	5510.160	---	PASS
		5580	20.240	5569.880	5590.120	---	PASS
		5700	21.320	5689.120	5710.440	---	PASS
		5745	20.360	5734.800	5755.160	---	PASS
		5785	20.160	5775.000	5795.160	---	PASS
		5825	20.400	5814.880	5835.280	---	PASS
11N40SISO	Ant1	5190	48.800	5161.840	5210.640	---	PASS
		5230	40.720	5209.600	5250.320	---	PASS
		5270	46.320	5249.120	5295.440	---	PASS
		5310	54.800	5284.160	5338.960	---	PASS
		5510	60.080	5481.200	5541.280	---	PASS
		5550	64.960	5518.800	5583.760	---	PASS
		5670	61.840	5641.200	5703.040	---	PASS
		5755	62.240	5723.960	5786.200	---	PASS

		5795	53.760	5767.640	5821.400	---	PASS
11AC20SISO	Ant1	5180	20.080	5169.920	5190.000	---	PASS
		5200	21.160	5189.200	5210.360	---	PASS
		5240	20.800	5229.480	5250.280	---	PASS
		5260	21.440	5249.640	5271.080	---	PASS
		5280	20.520	5269.880	5290.400	---	PASS
		5320	20.920	5309.880	5330.800	---	PASS
		5500	22.920	5489.920	5512.840	---	PASS
		5580	20.440	5569.960	5590.400	---	PASS
		5700	25.920	5687.600	5713.520	---	PASS
		5745	21.680	5733.520	5755.200	---	PASS
		5785	20.400	5774.680	5795.080	---	PASS
		5825	20.760	5814.800	5835.560	---	PASS
11AC40SISO	Ant1	5190	41.120	5169.040	5210.160	---	PASS
		5230	40.880	5209.360	5250.240	---	PASS
		5270	40.800	5249.920	5290.720	---	PASS
		5310	42.560	5289.840	5332.400	---	PASS
		5510	46.560	5489.040	5535.600	---	PASS
		5550	40.480	5529.520	5570.000	---	PASS
		5670	59.040	5642.320	5701.360	---	PASS
		5755	56.960	5723.880	5780.840	---	PASS
		5795	41.280	5774.200	5815.480	---	PASS
11AC80SISO	Ant1	5210	84.320	5166.640	5250.960	---	PASS
		5290	81.120	5249.520	5330.640	---	PASS
		5530	82.240	5489.360	5571.600	---	PASS
		5610	81.600	5569.360	5650.960	---	PASS
		5775	93.920	5722.040	5815.960	---	PASS

Test Graphs



11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11N40SISO_Ant1_5510



11N40SISO_Ant1_5550



11N40SISO_Ant1_5670



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5550



11AC40SISO_Ant1_5670



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5775

Appendix B: Min emission bandwidth

Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.800	5753.200	0.5	PASS
		5785	16.400	5776.800	5793.200	0.5	PASS
		5825	16.400	5816.800	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.640	5736.160	5753.800	0.5	PASS
		5785	17.400	5776.200	5793.600	0.5	PASS
		5825	17.360	5816.200	5833.560	0.5	PASS
11N40SISO	Ant1	5755	36.240	5736.760	5773.000	0.5	PASS
		5795	35.840	5776.760	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	17.400	5736.160	5753.560	0.5	PASS
		5785	17.600	5776.200	5793.800	0.5	PASS
		5825	17.600	5816.200	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	36.080	5736.760	5772.840	0.5	PASS
		5795	36.000	5777.000	5813.000	0.5	PASS
11AC80SISO	Ant1	5775	76.800	5736.600	5813.400	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 C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.08	≤23.98	PASS
		5200	12.68	≤23.98	PASS
		5240	12.14	≤23.98	PASS
		5260	11.62	≤23.98	PASS
		5280	14.70	≤23.98	PASS
		5320	13.18	≤23.98	PASS
		5500	13.11	≤23.98	PASS
		5580	13.35	≤23.98	PASS
		5700	13.00	≤23.98	PASS
		5745	12.48	≤30	PASS
		5785	11.89	≤30	PASS
		5825	11.80	≤30	PASS
11N20SISO	Ant1	5180	12.28	≤23.98	PASS
		5200	11.80	≤23.98	PASS
		5240	11.19	≤23.98	PASS
		5260	10.63	≤23.98	PASS
		5280	11.11	≤23.98	PASS
		5320	12.30	≤23.98	PASS
		5500	12.01	≤23.98	PASS
		5580	12.26	≤23.98	PASS
		5700	12.04	≤23.98	PASS
		5745	11.41	≤30	PASS
		5785	10.68	≤30	PASS
		5825	10.51	≤30	PASS
11N40SISO	Ant1	5190	15.29	≤23.98	PASS
		5230	13.06	≤23.98	PASS
		5270	15.24	≤23.98	PASS
		5310	16.01	≤23.98	PASS
		5510	15.62	≤23.98	PASS
		5550	15.69	≤23.98	PASS
		5670	14.93	≤23.98	PASS
		5755	14.15	≤30	PASS
		5795	14.32	≤30	PASS
11AC20SISO	Ant1	5180	13.41	≤23.98	PASS
		5200	13.24	≤23.98	PASS
		5240	13.36	≤23.98	PASS
		5260	12.90	≤23.98	PASS
		5280	13.53	≤23.98	PASS

		5320	13.93	≤23.98	PASS
		5500	13.40	≤23.98	PASS
		5580	13.56	≤23.98	PASS
		5700	12.54	≤23.98	PASS
		5745	11.84	≤30	PASS
		5785	11.93	≤30	PASS
		5825	11.93	≤30	PASS
11AC40SISO	Ant1	5190	14.36	≤23.98	PASS
		5230	13.71	≤23.98	PASS
		5270	13.43	≤23.98	PASS
		5310	14.45	≤23.98	PASS
		5510	14.72	≤23.98	PASS
		5550	13.04	≤23.98	PASS
		5670	14.34	≤23.98	PASS
		5755	13.63	≤30	PASS
		5795	13.23	≤30	PASS
11AC80SISO	Ant1	5210	11.91	≤23.98	PASS
		5290	11.56	≤23.98	PASS
		5530	12.39	≤23.98	PASS
		5610	12.09	≤23.98	PASS
		5775	11.64	≤30	PASS

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

Test Graphs



11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



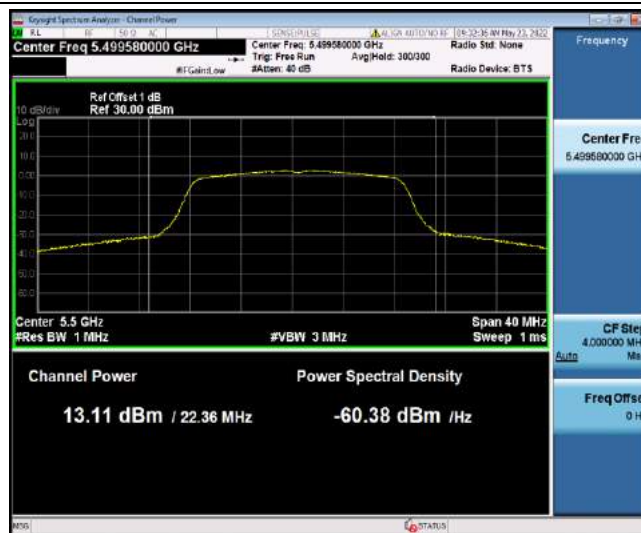
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11A_Ant1_5280



11A_Ant1_5320



11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



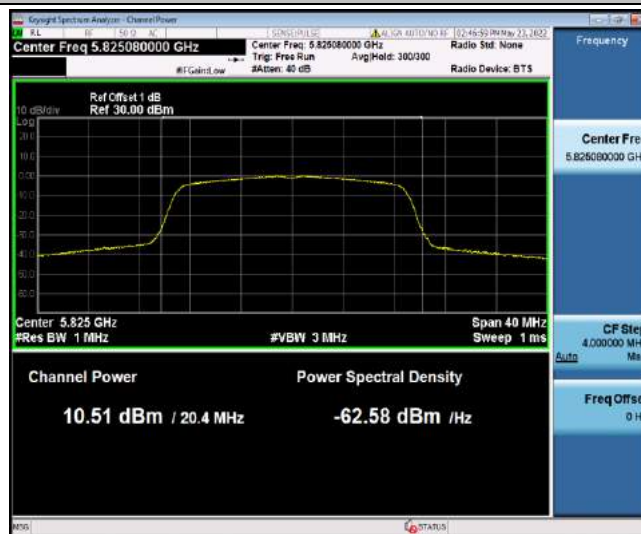
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11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11N40SISO_Ant1_5510



11N40SISO_Ant1_5550



11N40SISO_Ant1_5670



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



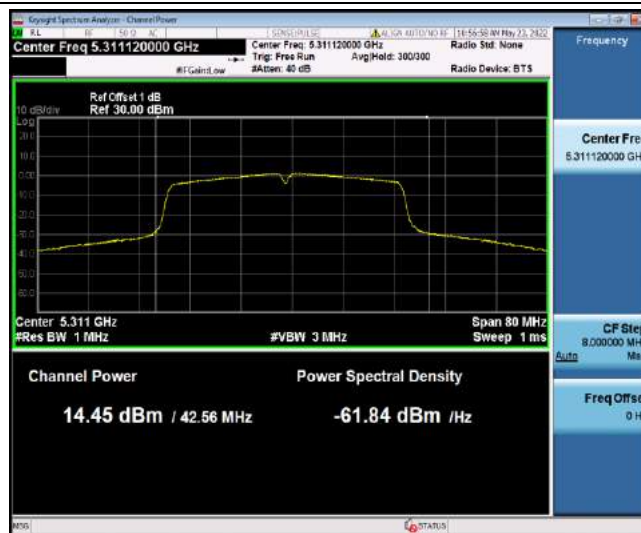
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5550



11AC40SISO_Ant1_5670



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5775