

Annex for FCC 5G WIFI

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.600	5170.760	5189.360	---	PASS
	Ant2	5180	18.440	5170.840	5189.280	---	PASS
	Ant1	5200	18.440	5190.720	5209.160	---	PASS
	Ant2	5200	18.400	5190.840	5209.240	---	PASS
	Ant1	5240	18.520	5230.800	5249.320	---	PASS
	Ant2	5240	18.640	5230.720	5249.360	---	PASS
	Ant1	5745	27.520	5732.720	5760.240	---	PASS
	Ant2	5745	18.680	5735.640	5754.320	---	PASS
	Ant1	5785	27.760	5771.000	5798.760	---	PASS
	Ant2	5785	18.560	5775.640	5794.200	---	PASS
	Ant1	5825	27.040	5811.800	5838.840	---	PASS
	Ant2	5825	21.840	5812.440	5834.280	---	PASS
11N20SISO	Ant1	5180	19.360	5170.360	5189.720	---	PASS
	Ant2	5180	19.600	5170.160	5189.760	---	PASS
	Ant1	5200	19.480	5190.280	5209.760	---	PASS
	Ant2	5200	19.360	5190.360	5209.720	---	PASS
	Ant1	5240	19.480	5230.280	5249.760	---	PASS
	Ant2	5240	19.560	5230.240	5249.800	---	PASS
	Ant1	5745	31.440	5729.880	5761.320	---	PASS
	Ant2	5745	19.560	5735.280	5754.840	---	PASS
	Ant1	5785	30.720	5770.280	5801.000	---	PASS
	Ant2	5785	19.520	5775.280	5794.800	---	PASS
	Ant1	5825	26.680	5811.840	5838.520	---	PASS
	Ant2	5825	19.520	5815.280	5834.800	---	PASS
11N40SISO	Ant1	5190	41.200	5169.280	5210.480	---	PASS
	Ant2	5190	41.120	5169.600	5210.720	---	PASS
	Ant1	5230	40.640	5209.920	5250.560	---	PASS
	Ant2	5230	40.960	5209.600	5250.560	---	PASS
	Ant1	5755	68.800	5721.400	5790.200	---	PASS
	Ant2	5755	41.600	5733.880	5775.480	---	PASS
	Ant1	5795	52.480	5771.400	5823.880	---	PASS
	Ant2	5795	41.360	5774.200	5815.560	---	PASS
11AC20SISO	Ant1	5180	19.440	5170.320	5189.760	---	PASS
	Ant2	5180	19.480	5170.320	5189.800	---	PASS
	Ant1	5200	19.440	5190.320	5209.760	---	PASS

	Ant2	5200	19.400	5190.320	5209.720	---	PASS
	Ant1	5240	19.440	5230.320	5249.760	---	PASS
	Ant2	5240	19.440	5230.240	5249.680	---	PASS
	Ant1	5745	19.480	5735.320	5754.800	---	PASS
	Ant2	5745	19.680	5735.120	5754.800	---	PASS
	Ant1	5785	19.440	5775.320	5794.760	---	PASS
	Ant2	5785	19.520	5775.320	5794.840	---	PASS
	Ant1	5825	19.360	5815.280	5834.640	---	PASS
	Ant2	5825	19.400	5815.320	5834.720	---	PASS
11AC40SISO	Ant1	5190	41.440	5169.600	5211.040	---	PASS
	Ant2	5190	40.560	5169.520	5210.080	---	PASS
	Ant1	5230	41.200	5209.760	5250.960	---	PASS
	Ant2	5230	41.040	5209.200	5250.240	---	PASS
	Ant1	5755	41.200	5734.440	5775.640	---	PASS
	Ant2	5755	40.960	5734.600	5775.560	---	PASS
	Ant1	5795	41.600	5774.120	5815.720	---	PASS
	Ant2	5795	41.040	5774.360	5815.400	---	PASS
11AC80SISO	Ant1	5210	81.600	5169.200	5250.800	---	PASS
	Ant2	5210	80.800	5169.680	5250.480	---	PASS
	Ant1	5775	81.120	5734.680	5815.800	---	PASS
	Ant2	5775	80.960	5734.680	5815.640	---	PASS
11N20MIMO	Ant1	5180	19.360	5170.360	5189.720	---	PASS
	Ant2	5180	19.320	5170.440	5189.760	---	PASS
	Ant1	5200	19.400	5190.360	5209.760	---	PASS
	Ant2	5200	19.360	5190.320	5209.680	---	PASS
	Ant1	5240	19.480	5230.320	5249.800	---	PASS
	Ant2	5240	19.280	5230.360	5249.640	---	PASS
	Ant1	5745	31.520	5730.040	5761.560	---	PASS
	Ant2	5745	19.480	5735.320	5754.800	---	PASS
	Ant1	5785	25.640	5772.240	5797.880	---	PASS
	Ant2	5785	19.440	5775.320	5794.760	---	PASS
	Ant1	5825	32.240	5808.800	5841.040	---	PASS
	Ant2	5825	20.200	5815.320	5835.520	---	PASS
11N40MIMO	Ant1	5190	40.560	5169.600	5210.160	---	PASS
	Ant2	5190	40.160	5170.000	5210.160	---	PASS
	Ant1	5230	40.480	5209.680	5250.160	---	PASS
	Ant2	5230	40.480	5209.920	5250.400	---	PASS
	Ant1	5755	71.600	5718.840	5790.440	---	PASS
	Ant2	5755	40.000	5735.080	5775.080	---	PASS
	Ant1	5795	71.040	5759.000	5830.040	---	PASS
	Ant2	5795	40.080	5775.080	5815.160	---	PASS
11AC20MIMO	Ant1	5180	19.520	5170.280	5189.800	---	PASS
	Ant2	5180	19.560	5170.320	5189.880	---	PASS

	Ant1	5200	19.520	5190.200	5209.720	---	PASS
	Ant2	5200	19.520	5190.200	5209.720	---	PASS
	Ant1	5240	19.280	5230.360	5249.640	---	PASS
	Ant2	5240	19.400	5230.280	5249.680	---	PASS
	Ant1	5745	20.080	5735.240	5755.320	---	PASS
	Ant2	5745	19.400	5735.280	5754.680	---	PASS
	Ant1	5785	19.640	5775.120	5794.760	---	PASS
	Ant2	5785	19.520	5775.240	5794.760	---	PASS
	Ant1	5825	19.520	5815.240	5834.760	---	PASS
	Ant2	5825	19.320	5815.360	5834.680	---	PASS
11AC40MIMO	Ant1	5190	41.440	5169.440	5210.880	---	PASS
	Ant2	5190	41.120	5169.360	5210.480	---	PASS
	Ant1	5230	40.640	5209.920	5250.560	---	PASS
	Ant2	5230	40.720	5209.840	5250.560	---	PASS
	Ant1	5755	41.840	5734.600	5776.440	---	PASS
	Ant2	5755	41.200	5734.680	5775.880	---	PASS
	Ant1	5795	41.200	5774.600	5815.800	---	PASS
	Ant2	5795	41.040	5774.600	5815.640	---	PASS
11AC80MIMO	Ant1	5210	81.120	5169.840	5250.960	---	PASS
	Ant2	5210	80.800	5169.840	5250.640	---	PASS
	Ant1	5775	81.760	5734.200	5815.960	---	PASS
	Ant2	5775	81.120	5734.520	5815.640	---	PASS

Test Graphs

11A_Ant1_5180



11A_Ant2_5180



11A_Ant1_5200



11A_Ant2_5200



11A_Ant1_5240



11A_Ant2_5240



11A_Ant1_5745



11A_Ant2_5745



11A_Ant1_5785



11A_Ant2_5785



11A_Ant1_5825



11A_Ant2_5825



11N20SISO_Ant1_5180



11N20SISO_Ant2_5180



11N20SISO_Ant1_5200



11N20SISO_Ant2_5240



11N20SISO_Ant1_5240



11N20SISO_Ant2_5240



11N20SISO_Ant1_5745



11N20SISO_Ant2_5745



11N20SISO_Ant1_5785



11N20SISO_Ant2_5785



11N20SISO_Ant1_5825



11N20SISO_Ant2_5825



11N40SISO_Ant1_5190



11N40SISO_Ant2_5190



11N40SISO_Ant1_5230



11N40SISO_Ant2_5230



11N40SISO_Ant1_5755



11N40SISO_Ant2_5755



11N40SISO_Ant1_5795



11N40SISO_Ant2_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant2_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant2_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant2_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant2_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant2_5785



11AC20SISO_Ant1_5825



11AC20SISO_Ant2_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant2_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant2_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant2_5755



11AC40SISO_Ant1_5795



11AC40SISO_Ant2_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant2_5210



11AC80SISO_Ant1_5775



11AC80SISO_Ant2_5775



11N20MIMO_Ant1_5180



11N20MIMO_Ant2_5180



11N20MIMO_Ant1_5200



11N20MIMO_Ant2_5200



11N20MIMO_Ant1_5240



11N20MIMO_Ant2_5240



11N20MIMO_Ant1_5745



11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785



11N20MIMO_Ant2_5785



11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825



11N40MIMO_Ant1_5190



11N40MIMO_Ant2_5190



11N40MIMO_Ant1_5230



11N40MIMO_Ant2_5230



11N40MIMO_Ant1_5755



11N40MIMO_Ant2_5755



11N40MIMO_Ant1_5795



11N40MIMO_Ant2_5795



11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180



11AC20MIMO_Ant1_5200



11AC20MIMO_Ant2_5200



11AC20MIMO_Ant1_5240



11AC20MIMO_Ant2_5240



11AC20MIMO_Ant1_5745



11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



11AC20MIMO_Ant1_5825



11AC20MIMO_Ant2_5825



11AC40MIMO_Ant1_5190



11AC40MIMO_Ant2_5190



11AC40MIMO_Ant1_5230



11AC40MIMO_Ant2_5230



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant2_5755



11AC40MIMO_Ant1_5795



11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.515	5171.764	5188.279	---	PASS
	Ant2	5180	16.506	5171.784	5188.290	---	PASS
	Ant1	5200	16.496	5191.760	5208.256	---	PASS
	Ant2	5200	16.519	5191.741	5208.260	---	PASS
	Ant1	5240	16.480	5231.796	5248.276	---	PASS
	Ant2	5240	16.510	5231.771	5248.281	---	PASS
	Ant1	5745	16.946	5736.591	5753.537	---	PASS
	Ant2	5745	16.585	5736.715	5753.300	---	PASS
	Ant1	5785	16.842	5776.575	5793.417	---	PASS
	Ant2	5785	16.575	5776.707	5793.282	---	PASS
	Ant1	5825	16.897	5816.554	5833.451	---	PASS
	Ant2	5825	16.622	5816.664	5833.286	---	PASS
11N20SISO	Ant1	5180	17.649	5171.208	5188.857	---	PASS
	Ant2	5180	17.653	5171.197	5188.850	---	PASS
	Ant1	5200	17.641	5191.198	5208.839	---	PASS
	Ant2	5200	17.613	5191.191	5208.804	---	PASS
	Ant1	5240	17.620	5231.211	5248.831	---	PASS
	Ant2	5240	17.633	5231.182	5248.815	---	PASS
	Ant1	5745	17.952	5736.046	5753.998	---	PASS
	Ant2	5745	17.650	5736.182	5753.832	---	PASS
	Ant1	5785	17.952	5776.025	5793.977	---	PASS
	Ant2	5785	17.659	5776.175	5793.834	---	PASS
	Ant1	5825	17.895	5816.091	5833.986	---	PASS
	Ant2	5825	17.615	5816.193	5833.808	---	PASS
11N40SISO	Ant1	5190	36.287	5171.961	5208.248	---	PASS
	Ant2	5190	36.359	5171.820	5208.179	---	PASS
	Ant1	5230	36.349	5211.994	5248.343	---	PASS
	Ant2	5230	36.274	5211.845	5248.119	---	PASS
	Ant1	5755	37.371	5736.520	5773.891	---	PASS
	Ant2	5755	36.451	5736.789	5773.240	---	PASS
	Ant1	5795	36.852	5776.589	5813.441	---	PASS
	Ant2	5795	36.482	5776.778	5813.260	---	PASS
11AC20SISO	Ant1	5180	17.657	5171.192	5188.849	---	PASS
	Ant2	5180	17.628	5171.207	5188.835	---	PASS
	Ant1	5200	17.635	5191.188	5208.823	---	PASS
	Ant2	5200	17.616	5191.188	5208.804	---	PASS
	Ant1	5240	17.615	5231.215	5248.830	---	PASS
	Ant2	5240	17.626	5231.195	5248.821	---	PASS

	Ant1	5745	17.664	5736.180	5753.844	---	PASS
	Ant2	5745	17.667	5736.165	5753.832	---	PASS
	Ant1	5785	17.648	5776.188	5793.836	---	PASS
	Ant2	5785	17.634	5776.187	5793.821	---	PASS
	Ant1	5825	17.659	5816.172	5833.831	---	PASS
	Ant2	5825	17.623	5816.181	5833.804	---	PASS
11AC40SISO	Ant1	5190	36.243	5172.057	5208.300	---	PASS
	Ant2	5190	36.182	5171.905	5208.087	---	PASS
	Ant1	5230	36.382	5211.962	5248.344	---	PASS
	Ant2	5230	36.298	5211.819	5248.117	---	PASS
	Ant1	5755	36.466	5736.893	5773.359	---	PASS
	Ant2	5755	36.270	5736.974	5773.244	---	PASS
	Ant1	5795	36.418	5776.805	5813.223	---	PASS
	Ant2	5795	36.350	5776.854	5813.204	---	PASS
11AC80SISO	Ant1	5210	74.818	5172.790	5247.608	---	PASS
	Ant2	5210	74.643	5172.786	5247.429	---	PASS
	Ant1	5775	74.529	5737.858	5812.387	---	PASS
	Ant2	5775	74.680	5737.647	5812.327	---	PASS
11N20MIMO	Ant1	5180	17.628	5171.202	5188.830	---	PASS
	Ant2	5180	17.603	5171.244	5188.847	---	PASS
	Ant1	5200	17.653	5191.214	5208.867	---	PASS
	Ant2	5200	17.618	5191.206	5208.824	---	PASS
	Ant1	5240	17.641	5231.215	5248.856	---	PASS
	Ant2	5240	17.593	5231.241	5248.834	---	PASS
	Ant1	5745	18.188	5735.984	5754.172	---	PASS
	Ant2	5745	17.658	5736.198	5753.856	---	PASS
	Ant1	5785	17.966	5776.078	5794.044	---	PASS
	Ant2	5785	17.647	5776.212	5793.859	---	PASS
	Ant1	5825	17.943	5816.091	5834.034	---	PASS
	Ant2	5825	17.699	5816.183	5833.882	---	PASS
11N40MIMO	Ant1	5190	36.221	5172.018	5208.239	---	PASS
	Ant2	5190	36.151	5171.962	5208.113	---	PASS
	Ant1	5230	36.110	5212.024	5248.134	---	PASS
	Ant2	5230	36.228	5211.933	5248.161	---	PASS
	Ant1	5755	37.048	5736.602	5773.650	---	PASS
	Ant2	5755	36.301	5736.889	5773.190	---	PASS
	Ant1	5795	36.867	5776.567	5813.434	---	PASS
	Ant2	5795	36.295	5776.888	5813.183	---	PASS
11AC20MIMO	Ant1	5180	17.665	5171.212	5188.877	---	PASS
	Ant2	5180	17.646	5171.216	5188.862	---	PASS
	Ant1	5200	17.625	5191.201	5208.826	---	PASS
	Ant2	5200	17.617	5191.190	5208.807	---	PASS
	Ant1	5240	17.599	5231.229	5248.828	---	PASS

	Ant2	5240	17.602	5231.218	5248.820	---	PASS
	Ant1	5745	17.681	5736.197	5753.878	---	PASS
	Ant2	5745	17.611	5736.212	5753.823	---	PASS
	Ant1	5785	17.693	5776.166	5793.859	---	PASS
	Ant2	5785	17.623	5776.210	5793.833	---	PASS
	Ant1	5825	17.659	5816.189	5833.848	---	PASS
	Ant2	5825	17.608	5816.203	5833.811	---	PASS
11AC40MIMO	Ant1	5190	36.336	5171.939	5208.275	---	PASS
	Ant2	5190	36.331	5171.862	5208.193	---	PASS
	Ant1	5230	36.273	5211.980	5248.253	---	PASS
	Ant2	5230	36.187	5212.010	5248.197	---	PASS
	Ant1	5755	36.578	5736.825	5773.403	---	PASS
	Ant2	5755	36.438	5736.801	5773.239	---	PASS
	Ant1	5795	36.358	5776.880	5813.238	---	PASS
Ant2	5795	36.313	5776.900	5813.213	---	PASS	
11AC80MIMO	Ant1	5210	74.710	5172.884	5247.594	---	PASS
	Ant2	5210	74.646	5172.791	5247.437	---	PASS
	Ant1	5775	74.928	5737.729	5812.657	---	PASS
	Ant2	5775	74.796	5737.674	5812.470	---	PASS

Test Graphs

11A_Ant1_5180



11A_Ant2_5180



11A_Ant1_5200



11A_Ant2_5200



11A_Ant1_5240



11A_Ant2_5240



11A_Ant1_5745



11A_Ant2_5745



11A_Ant1_5785



11A_Ant2_5785



11A_Ant1_5825



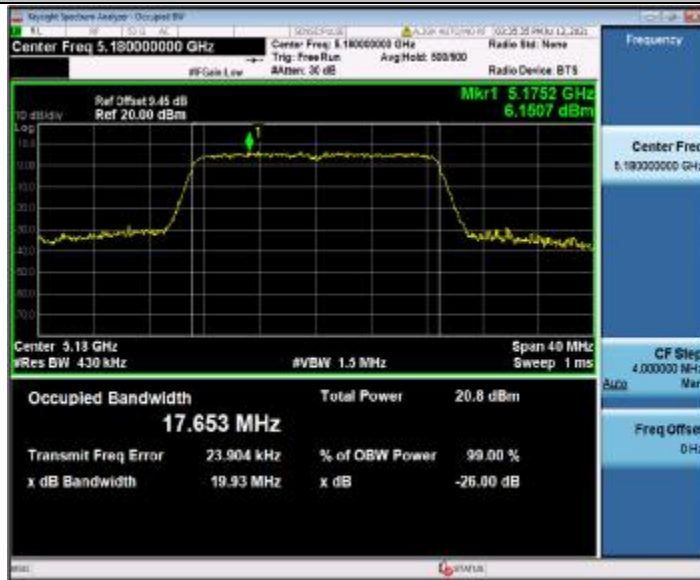
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11N20SISO_Ant1_5180



11N20SISO_Ant2_5180



11N20SISO_Ant1_5200



11N20SISO_Ant2_5200



11N20SISO_Ant1_5240



11N20SISO_Ant2_5240



11N20SISO_Ant1_5745



11N20SISO_Ant2_5745



11N20SISO_Ant1_5785



11N20SISO_Ant2_5785



11N20SISO_Ant1_5825



11N20SISO_Ant2_5825



11N40SISO_Ant1_5190



11N40SISO_Ant2_5190



11N40SISO_Ant1_5230



11N40SISO_Ant2_5230



11N40SISO_Ant1_5755



11N40SISO_Ant2_5755



11N40SISO_Ant1_5795



11N40SISO_Ant2_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant2_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant2_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant2_5240



11AC20SISO_Ant1_5745



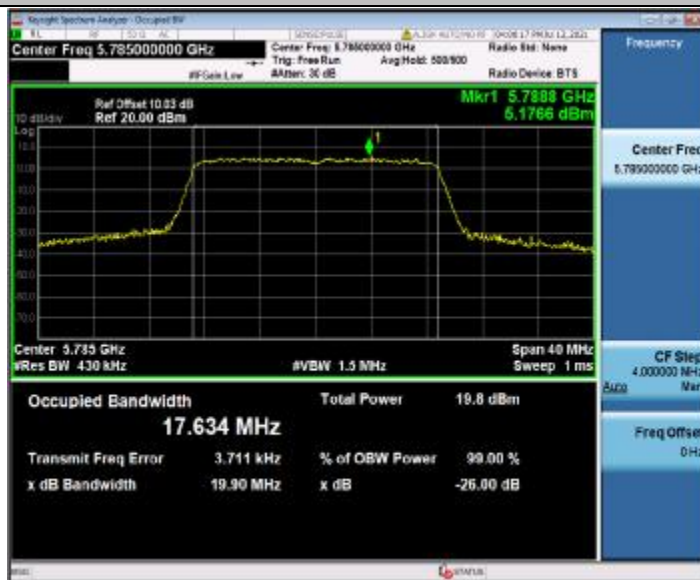
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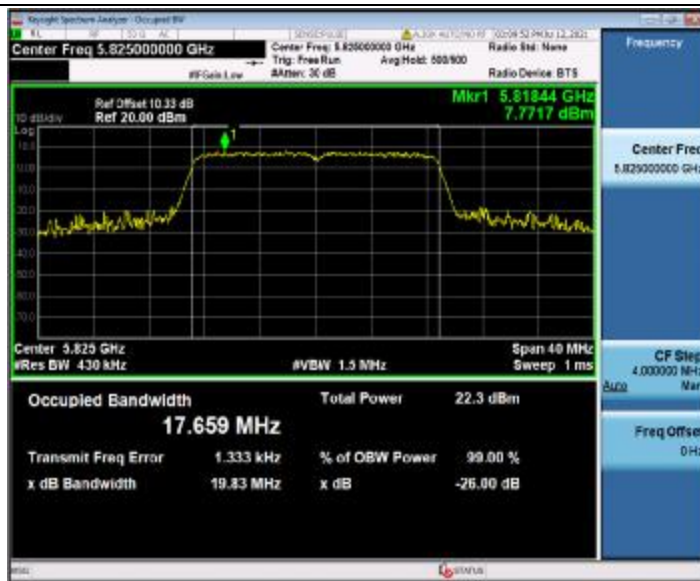
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11AC20SISO_Ant2_5785



11AC20SISO_Ant1_5825



11AC20SISO_Ant2_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant2_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant2_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant2_5755



11AC40SISO_Ant1_5795



11AC40SISO_Ant2_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant2_5210



11AC80SISO_Ant1_5775



11AC80SISO_Ant2_5775



11N20MIMO_Ant1_5180



11N20MIMO_Ant2_5180



11N20MIMO_Ant1_5200



11N20MIMO_Ant2_5200



11N20MIMO_Ant1_5240



11N20MIMO_Ant2_5240



11N20MIMO_Ant1_5745



11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785



11N20MIMO_Ant2_5785



11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825



11N40MIMO_Ant1_5190



11N40MIMO_Ant2_5190



11N40MIMO_Ant1_5230



11N40MIMO_Ant2_5230



11N40MIMO_Ant1_5755



11N40MIMO_Ant2_5755



11N40MIMO_Ant1_5795



11N40MIMO_Ant2_5795



11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180



11AC20MIMO_Ant1_5200



11AC20MIMO_Ant2_5200



11AC20MIMO_Ant1_5240



11AC20MIMO_Ant2_5240



11AC20MIMO_Ant1_5745



11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



11AC20MIMO_Ant1_5825



11AC20MIMO_Ant2_5825



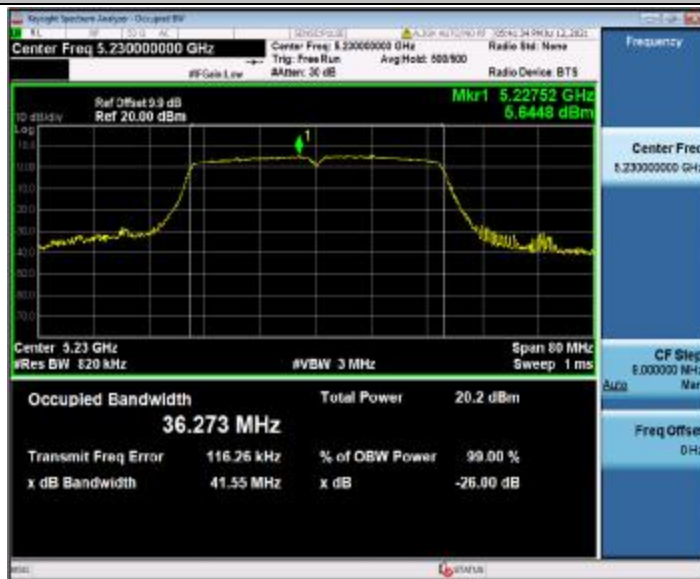
11AC40MIMO_Ant1_5190



11AC40MIMO_Ant2_5190



11AC40MIMO_Ant1_5230



11AC40MIMO_Ant2_5230



11AC40MIMO_Ant1_5755