

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2BYGQ-R1

Company : Shenzhen Yingrui Technology Co., Ltd.

EUT : Smart Digital Calendar

Model Number : R1

Report No. : CTA26090500102

Reviewed By : Eric Wang

Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	23.520	5168.520	5192.040	---	---
		5220	24.160	5207.560	5231.720	---	---
		5240	23.680	5228.280	5251.960	---	---
		5745	23.760	5732.960	5756.720	---	---
		5785	24.800	5773.000	5797.800	---	---
		5825	24.280	5812.520	5836.800	---	---
11N20SISO	Ant1	5180	24.360	5168.160	5192.520	---	---
		5220	24.000	5208.240	5232.240	---	---
		5240	24.280	5228.160	5252.440	---	---
		5745	24.960	5732.240	5757.200	---	---
		5785	24.640	5772.960	5797.600	---	---
		5825	24.680	5812.840	5837.520	---	---
11N40SISO	Ant1	5190	43.760	5167.680	5211.440	---	---
		5230	43.040	5208.560	5251.600	---	---
		5755	44.560	5733.160	5777.720	---	---
		5795	43.600	5773.160	5816.760	---	---
11AC20SISO	Ant1	5180	22.720	5169.000	5191.720	---	---
		5220	22.760	5208.520	5231.280	---	---
		5240	23.280	5227.920	5251.200	---	---
		5745	23.760	5732.920	5756.680	---	---
		5785	23.200	5773.240	5796.440	---	---
		5825	23.240	5813.240	5836.480	---	---
11AC40SISO	Ant1	5190	42.480	5168.400	5210.880	---	---
		5230	42.880	5208.560	5251.440	---	---
		5755	44.080	5733.160	5777.240	---	---
		5795	43.360	5772.920	5816.280	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



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_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix A2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.282	5171.3902	5188.6722	---	---
		5220	17.402	5211.3065	5228.7085	---	---
		5240	17.332	5231.3371	5248.6691	---	---
		5745	17.687	5736.1293	5753.8163	---	---
		5785	17.715	5776.1542	5793.8692	---	---
		5825	17.662	5816.1433	5833.8053	---	---
11N20SISO	Ant1	5180	18.305	5170.8951	5189.2001	---	---
		5220	18.276	5210.8786	5229.1546	---	---
		5240	18.348	5230.8364	5249.1844	---	---
		5745	18.727	5735.6029	5754.3299	---	---
		5785	18.718	5775.6443	5794.3623	---	---
		5825	18.701	5815.6207	5834.3217	---	---
11N40SISO	Ant1	5190	36.247	5171.9273	5208.1743	---	---
		5230	36.276	5211.8928	5248.1688	---	---
		5755	36.979	5736.5732	5773.5522	---	---
		5795	36.927	5776.6185	5813.5455	---	---
11AC20SISO	Ant1	5180	19.126	5170.4885	5189.6145	---	---
		5220	19.127	5210.4484	5229.5754	---	---
		5240	19.121	5230.4580	5249.5790	---	---
		5745	19.417	5735.2824	5754.6994	---	---
		5785	19.397	5775.3249	5794.7219	---	---
		5825	19.385	5815.3346	5834.7196	---	---
11AC40SISO	Ant1	5190	37.731	5171.1555	5208.8865	---	---
		5230	37.736	5211.1877	5248.9237	---	---
		5755	38.332	5735.8625	5774.1945	---	---
		5795	38.273	5775.9073	5814.1803	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



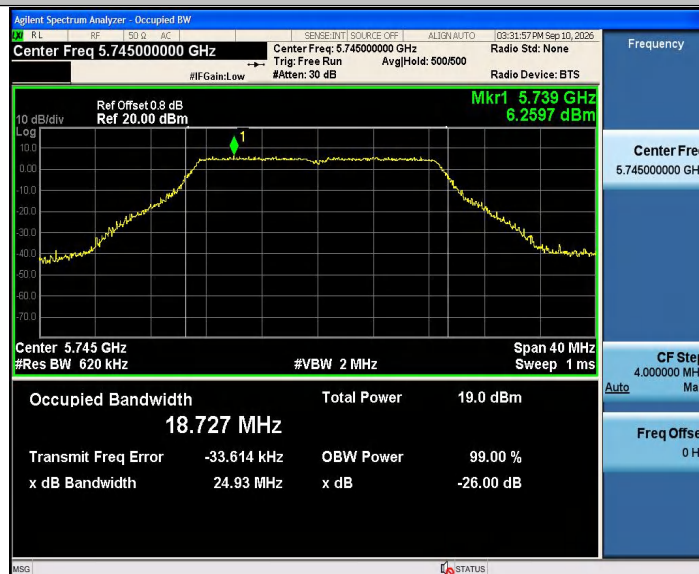
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



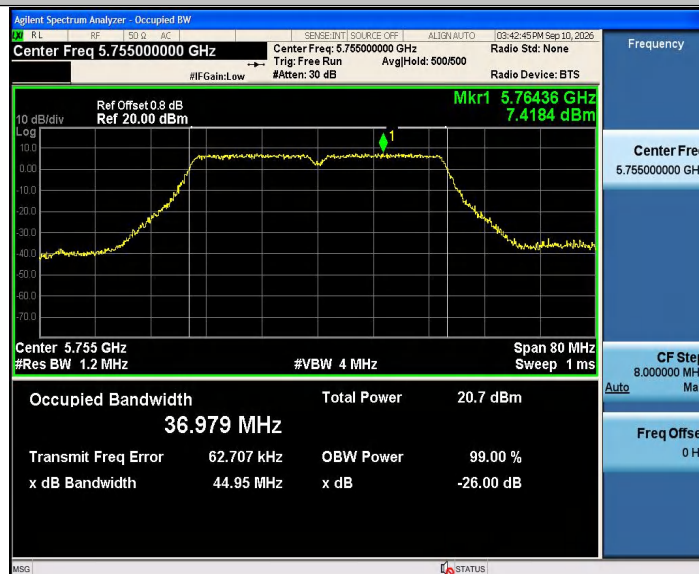
11N40SISO_Ant1_5190



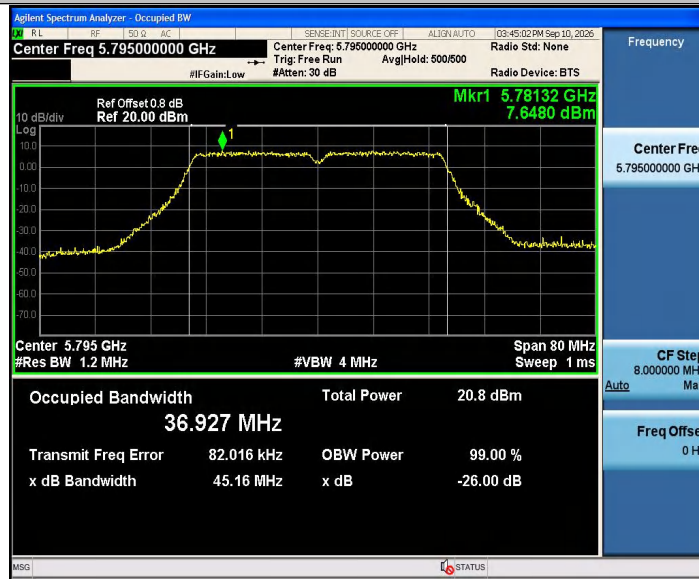
11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



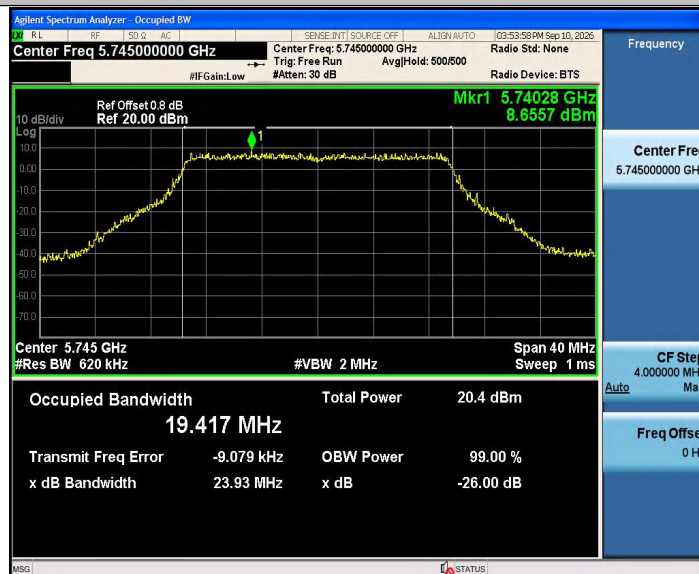
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



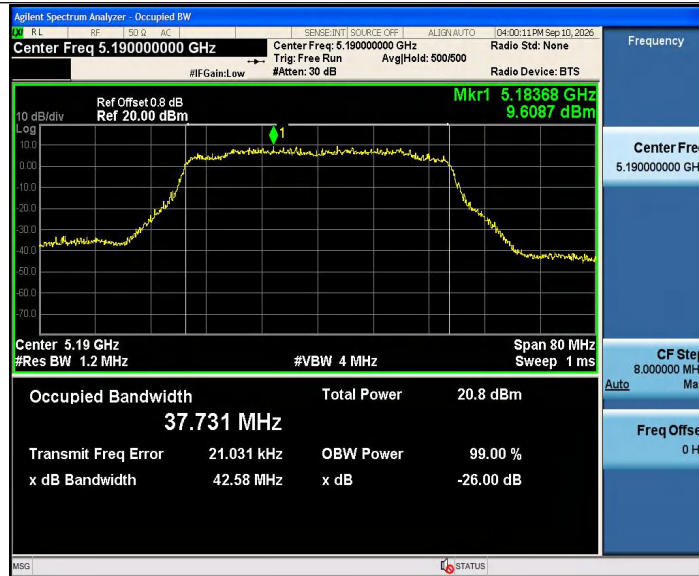
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



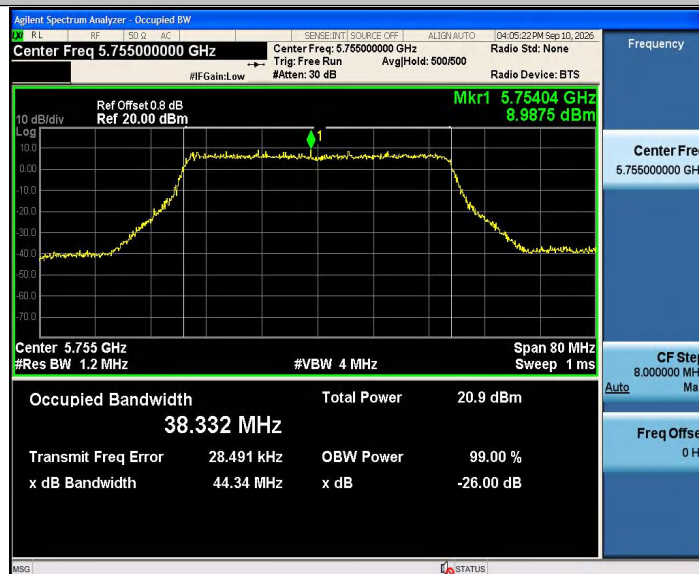
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix A3: Min emission bandwidth

Test Result B4

Test Mode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.480	5736.760	5753.240	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.280	5736.240	5753.520	0.5	PASS
		5785	17.600	5776.200	5793.800	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	18.800	5735.600	5754.400	0.5	PASS
		5785	18.920	5775.560	5794.480	0.5	PASS
		5825	18.720	5815.600	5834.320	0.5	PASS
11AC40SISO	Ant1	5755	37.600	5736.200	5773.800	0.5	PASS
		5795	37.680	5776.120	5813.800	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



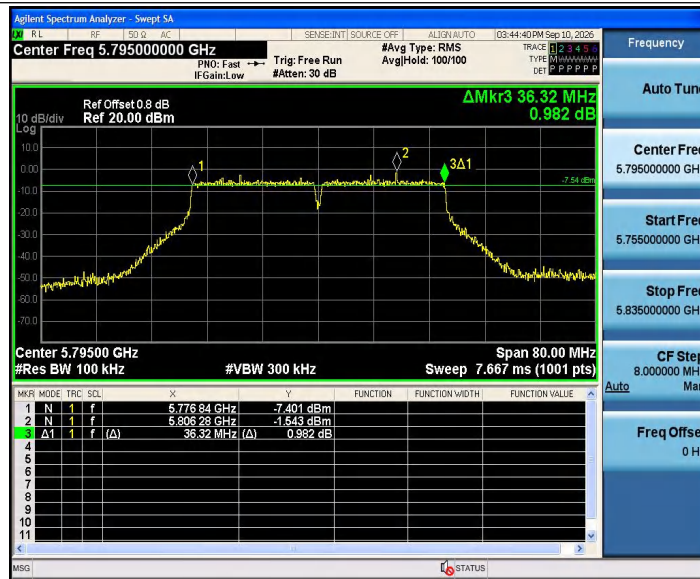
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795