

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2BAQY-HE1000WIFI

Company : HIFIMAN KUNSHAN TECHNOLOGY GROUP CO., LTD.

EUT : WiFi Planar Magnetic Headphones

Model Number : HE1000 WiFi

Report No. : CTA25111402704

Reviewed By : Eric Wang

Appendix A1: Emission Bandwidth

Test Result

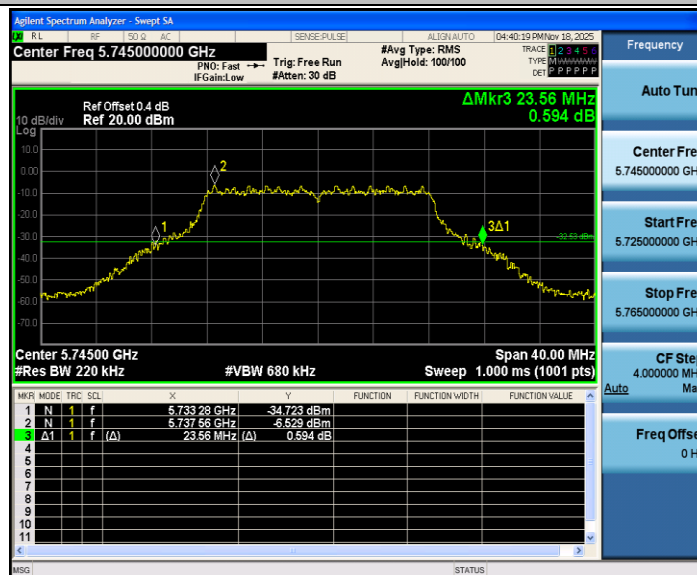
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.320	5169.200	5191.520	---	---
		5220	22.440	5208.960	5231.400	---	---
		5240	22.560	5228.480	5251.040	---	---
		5745	23.560	5733.280	5756.840	---	---
		5785	22.600	5773.560	5796.160	---	---
		5825	23.000	5813.520	5836.520	---	---
11N20SISO	Ant1	5180	21.680	5169.360	5191.040	---	---
		5220	22.560	5208.800	5231.360	---	---
		5240	21.960	5229.080	5251.040	---	---
		5745	23.520	5733.600	5757.120	---	---
		5785	23.000	5773.520	5796.520	---	---
		5825	23.640	5812.760	5836.400	---	---
11N40SISO	Ant1	5190	42.160	5169.040	5211.200	---	---
		5230	43.920	5208.800	5252.720	---	---
		5755	45.200	5732.760	5777.960	---	---
		5795	44.720	5772.920	5817.640	---	---
11AC20SISO	Ant1	5180	22.360	5169.040	5191.400	---	---
		5220	22.320	5208.920	5231.240	---	---
		5240	22.160	5228.920	5251.080	---	---
		5745	23.360	5733.440	5756.800	---	---
		5785	23.440	5773.120	5796.560	---	---
		5825	23.800	5812.680	5836.480	---	---
11AC40SISO	Ant1	5190	43.440	5169.200	5212.640	---	---
		5230	44.080	5208.560	5252.640	---	---
		5755	44.480	5733.400	5777.880	---	---
		5795	45.120	5772.840	5817.960	---	---
11AC80SISO	Ant1	5210	84.000	5168.400	5252.400	---	---
		5775	82.560	5734.360	5816.920	---	---

Test Graphs





11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745





11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



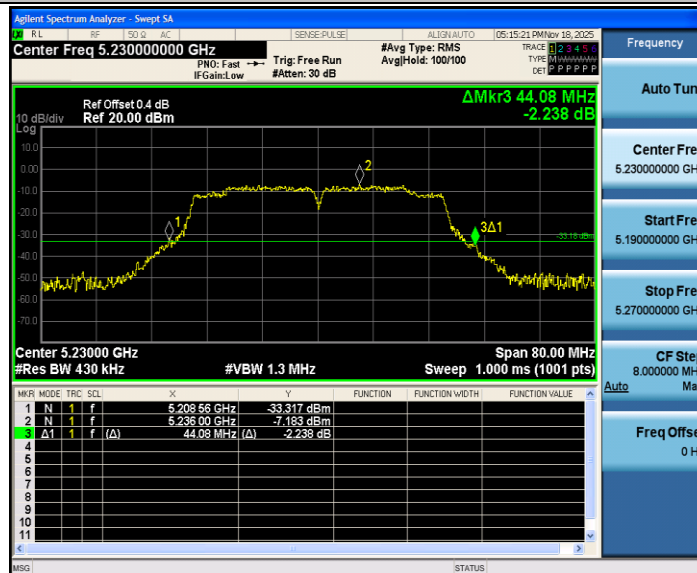
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



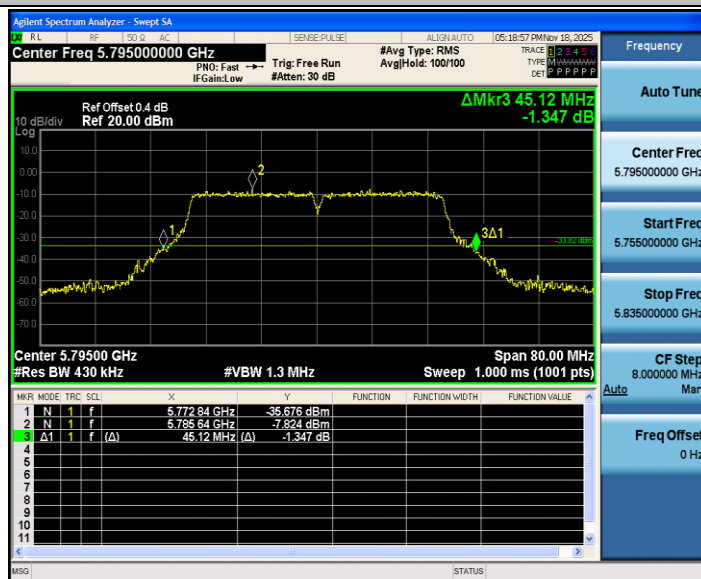
11AC40SISO_Ant1_5230



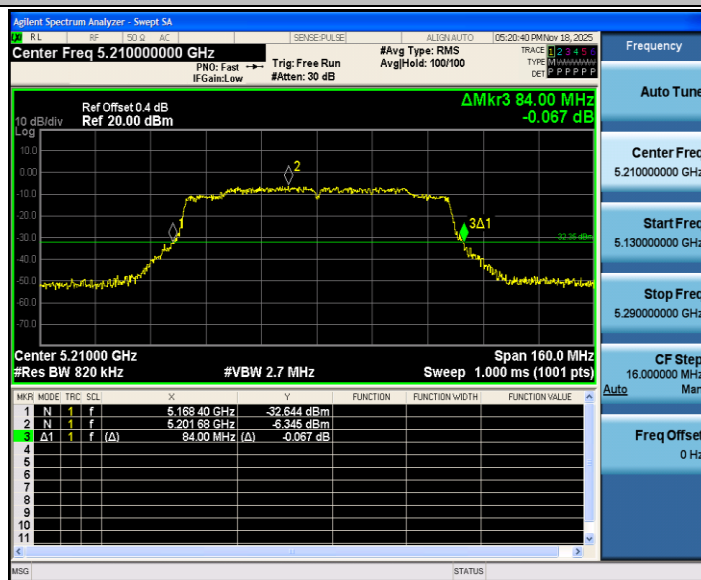
11AC40SISO_Ant1_5755



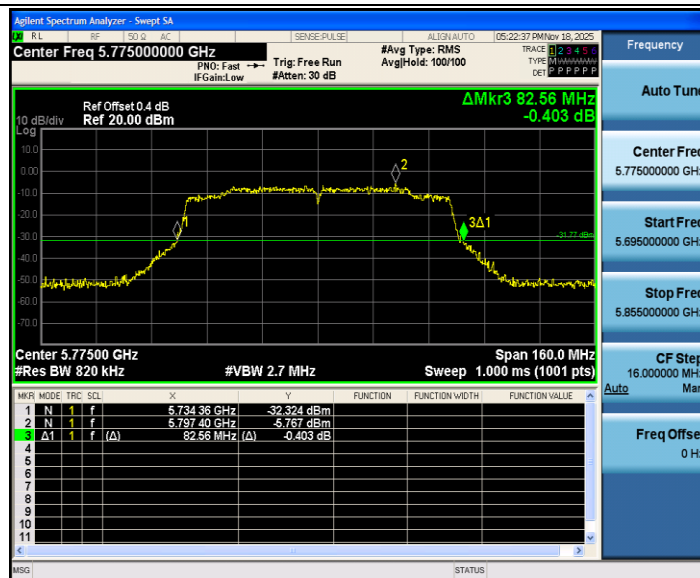
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



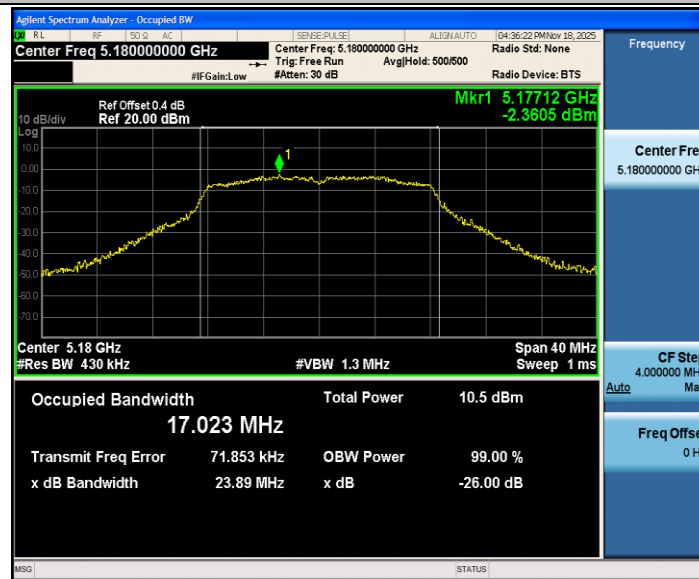
Appendix A2: Occupied channel bandwidth

Test Result

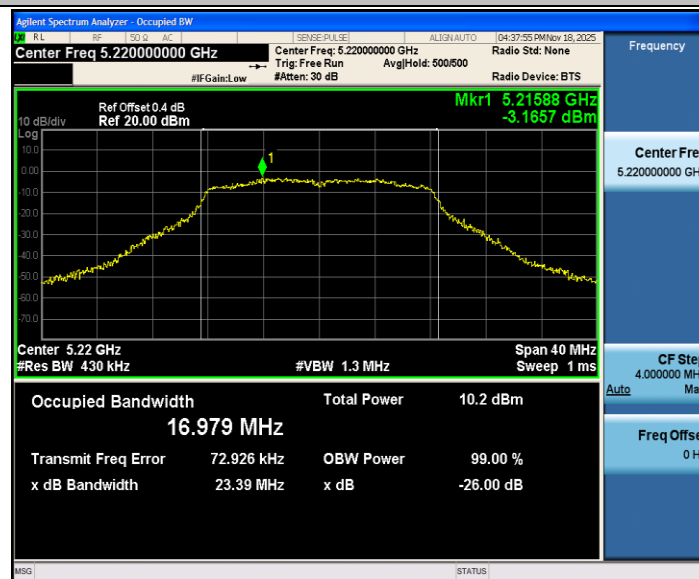
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.023	5171.5604	5188.5834	---	---
		5220	16.979	5211.5834	5228.5624	---	---
		5240	16.974	5231.6035	5248.5775	---	---
		5745	17.277	5736.3932	5753.6702	---	---
		5785	17.273	5776.3831	5793.6561	---	---
		5825	17.306	5816.3943	5833.7003	---	---
11N20SISO	Ant1	5180	18.013	5171.0362	5189.0492	---	---
		5220	18.040	5211.0177	5229.0577	---	---
		5240	18.084	5230.9858	5249.0698	---	---
		5745	18.297	5735.8823	5754.1793	---	---
		5785	18.325	5775.8726	5794.1976	---	---
		5825	18.371	5815.8460	5834.2170	---	---
11N40SISO	Ant1	5190	36.161	5171.9941	5208.1551	---	---
		5230	36.181	5212.0131	5248.1941	---	---
		5755	36.750	5736.6796	5773.4296	---	---
		5795	36.705	5776.7547	5813.4597	---	---
11AC20SISO	Ant1	5180	17.971	5171.0927	5189.0637	---	---
		5220	18.071	5210.9596	5229.0306	---	---
		5240	17.991	5231.0401	5249.0311	---	---
		5745	18.295	5735.8645	5754.1595	---	---
		5785	18.328	5775.8678	5794.1958	---	---
		5825	18.298	5815.8849	5834.1829	---	---
11AC40SISO	Ant1	5190	36.166	5172.0082	5208.1742	---	---
		5230	36.196	5211.9591	5248.1551	---	---
		5755	36.745	5736.7094	5773.4544	---	---
		5795	36.699	5776.7384	5813.4374	---	---
11AC80SISO	Ant1	5210	75.282	5172.5044	5247.7864	---	---
		5775	75.284	5737.5416	5812.8256	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



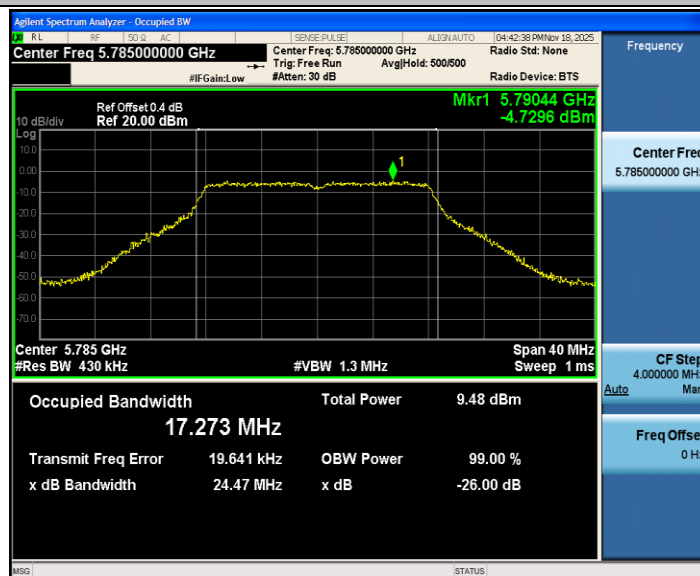
11A_Ant1_5240



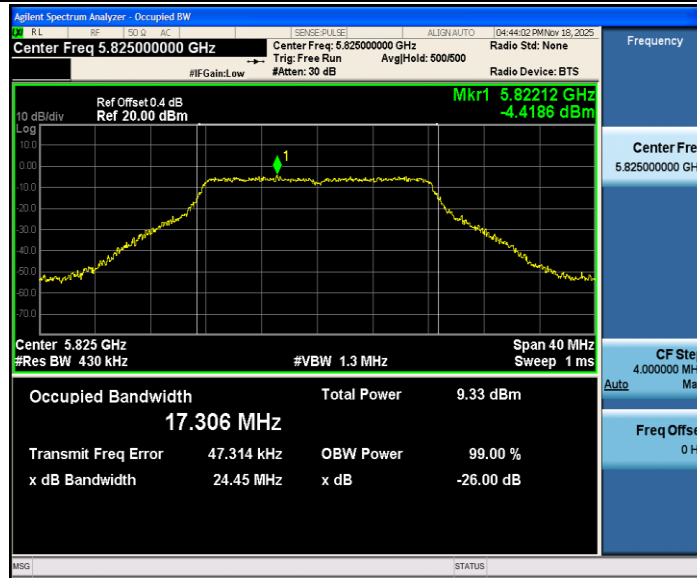
11A_Ant1_5745



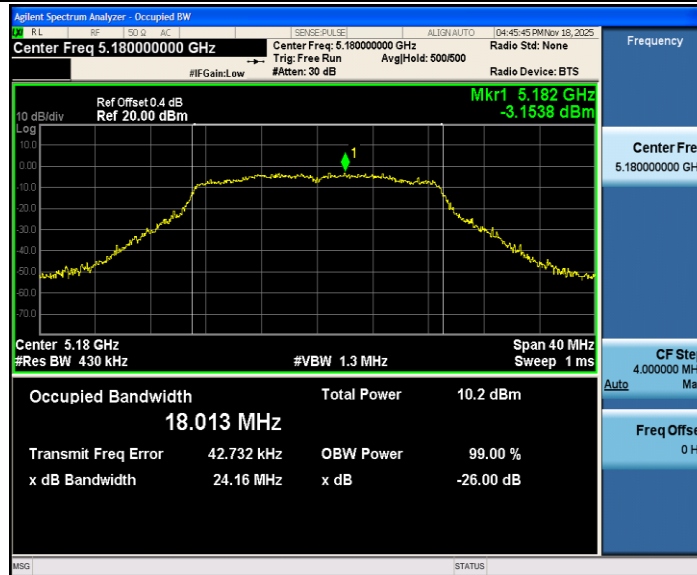
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



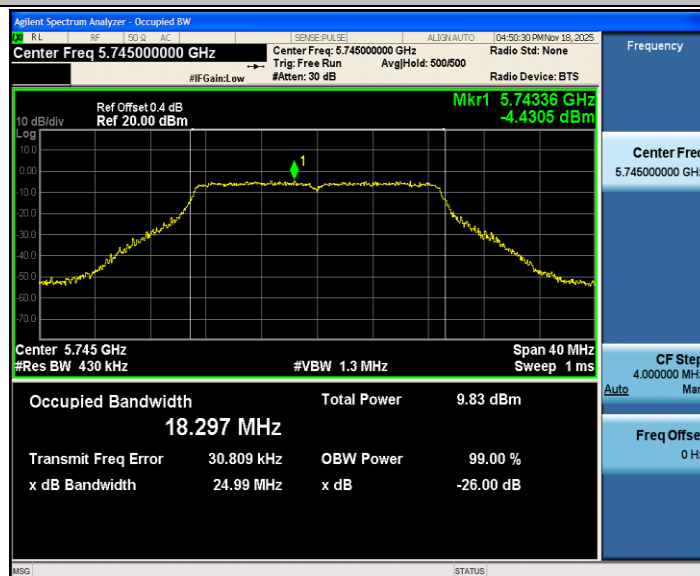
11N20SISO_Ant1_5220



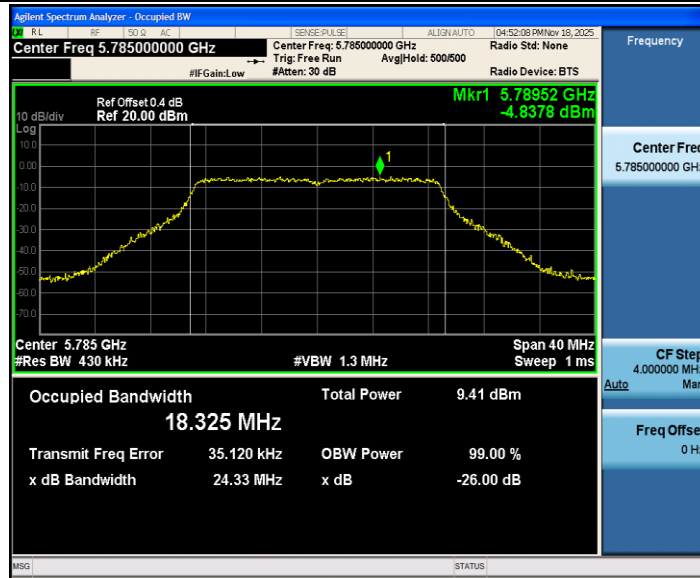
11N20SISO_Ant1_5240



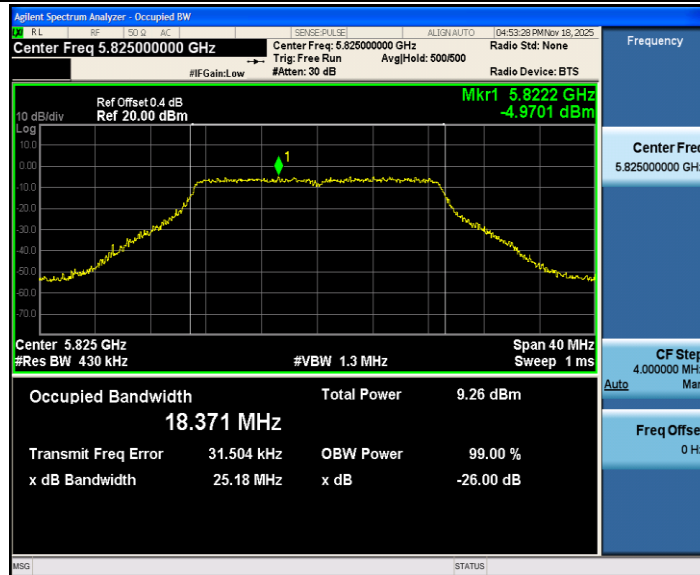
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



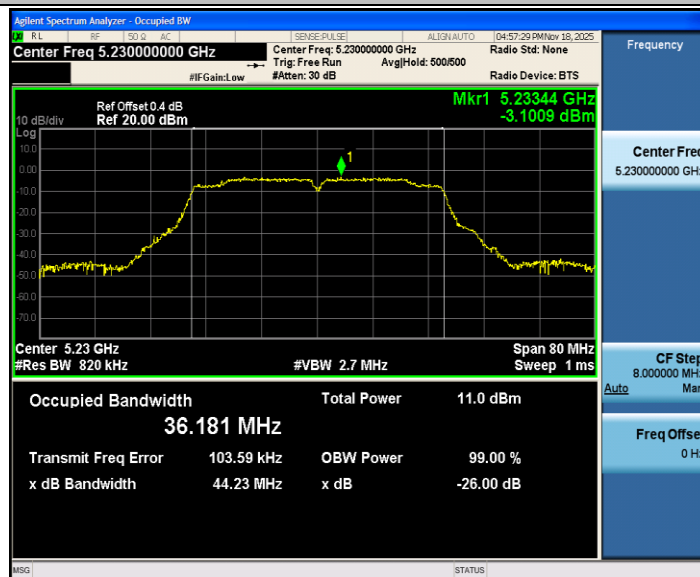
11N20SISO_Ant1_5825



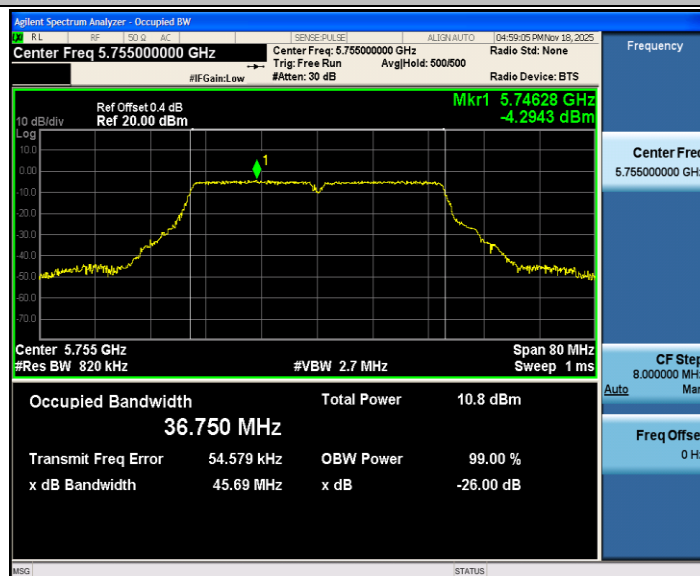
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



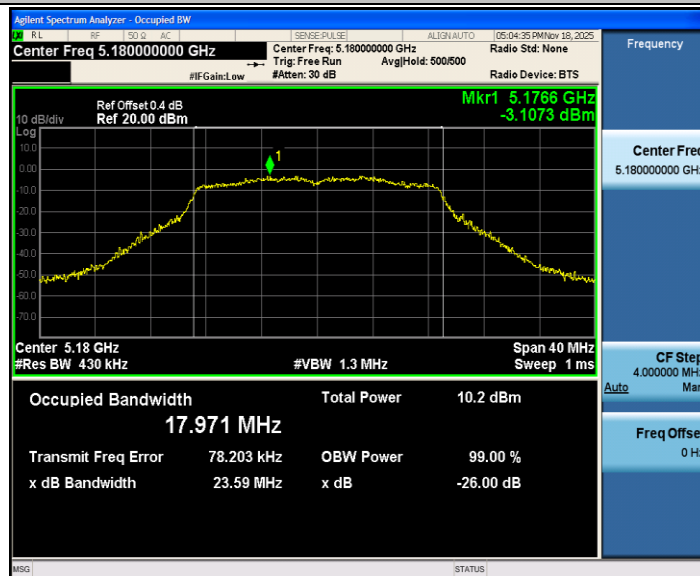
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



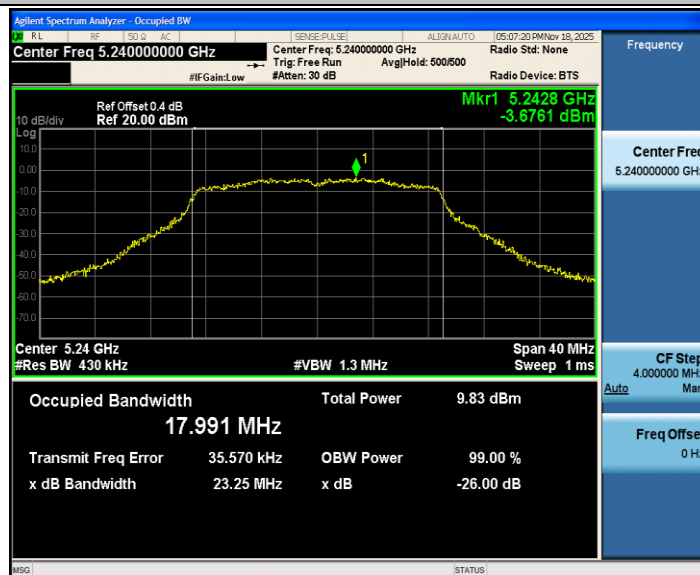
11AC20SISO_Ant1_5180



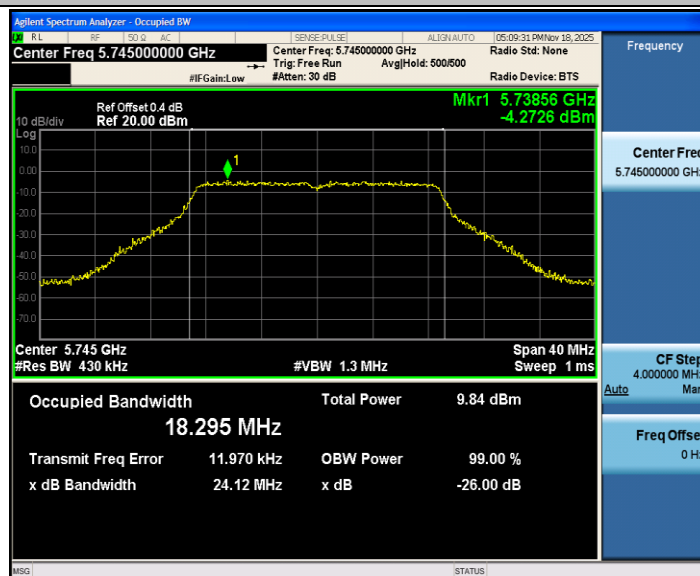
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



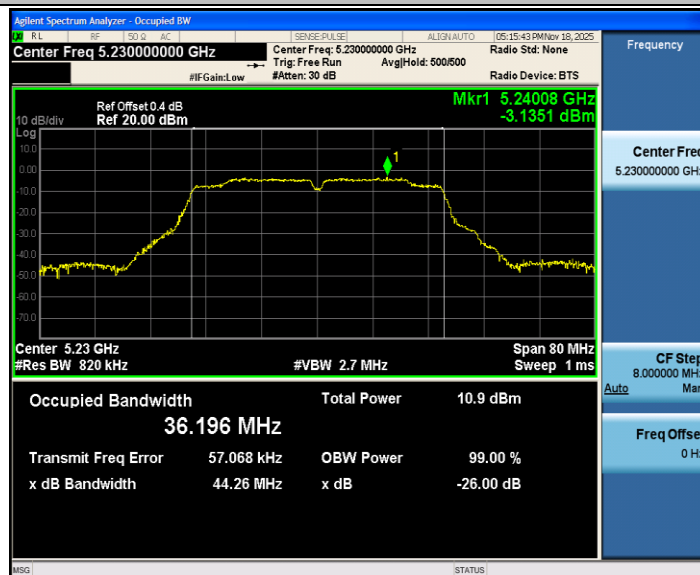
11AC20SISO_Ant1_5825



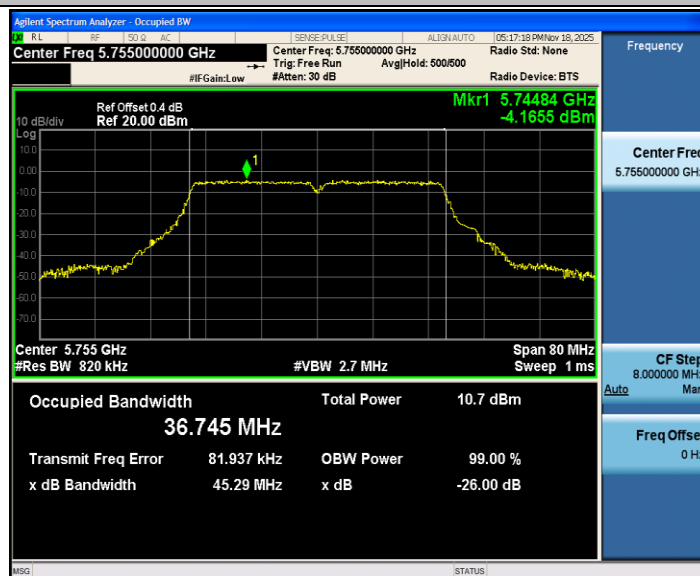
11AC40SISO_Ant1_5190



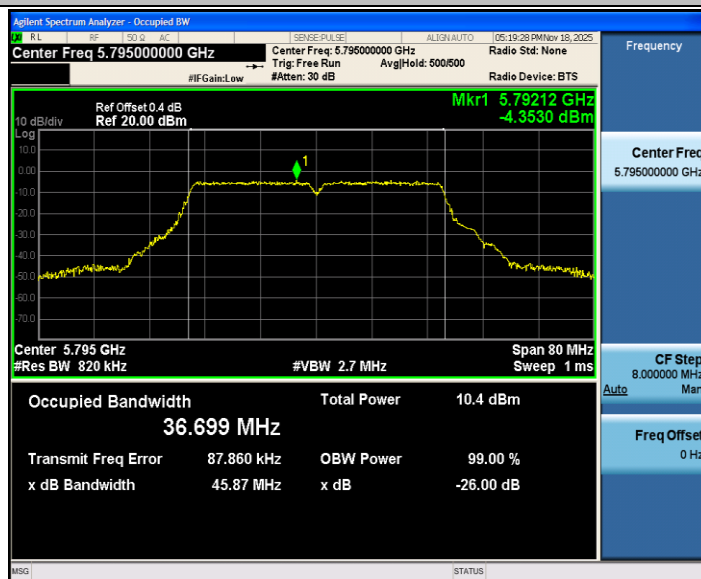
11AC40SISO_Ant1_5230



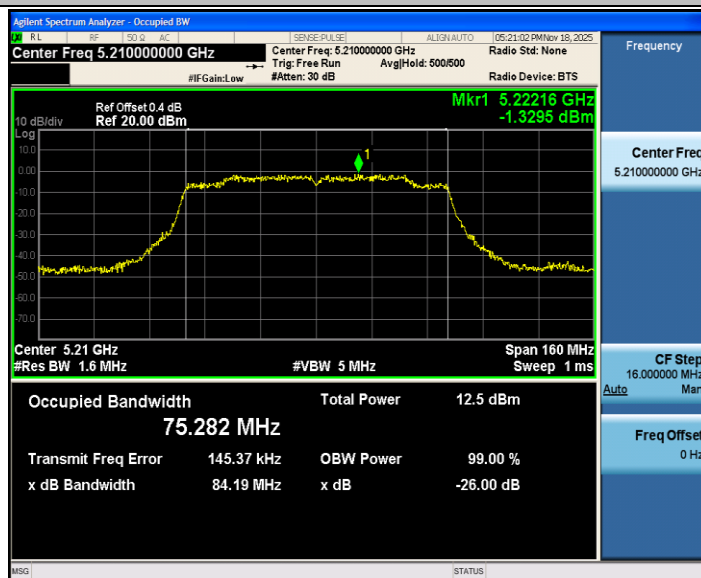
11AC40SISO_Ant1_5755



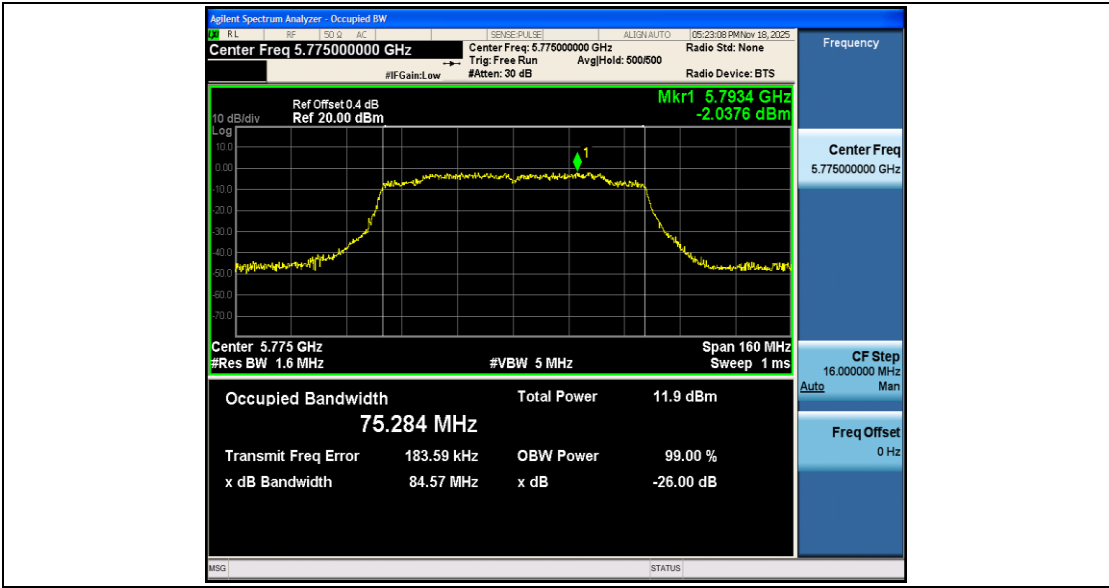
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



Appendix A3: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.280	5736.880	5753.160	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	17.520	5736.240	5753.760	0.5	PASS
		5785	17.560	5776.240	5793.800	0.5	PASS
		5825	17.600	5816.200	5833.800	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	17.560	5736.200	5753.760	0.5	PASS
		5785	17.280	5776.240	5793.520	0.5	PASS
		5825	17.560	5816.240	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.000	5777.160	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4





11N20SISO_Ant1_5745



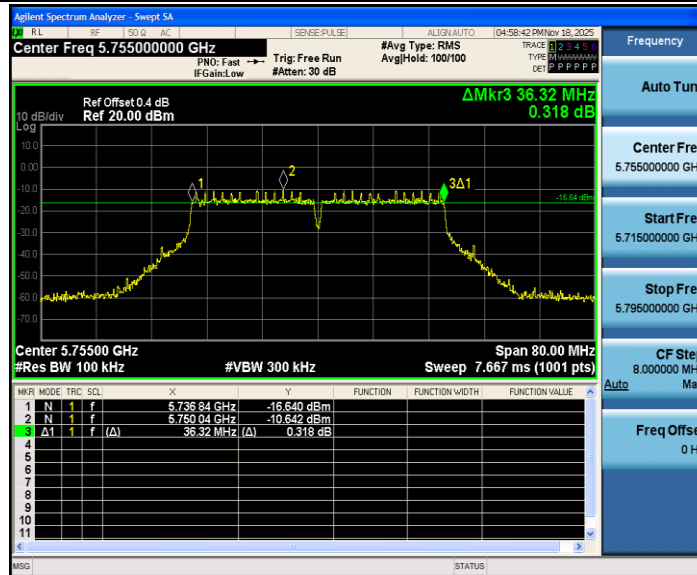
11N20SISO_Ant1_5785



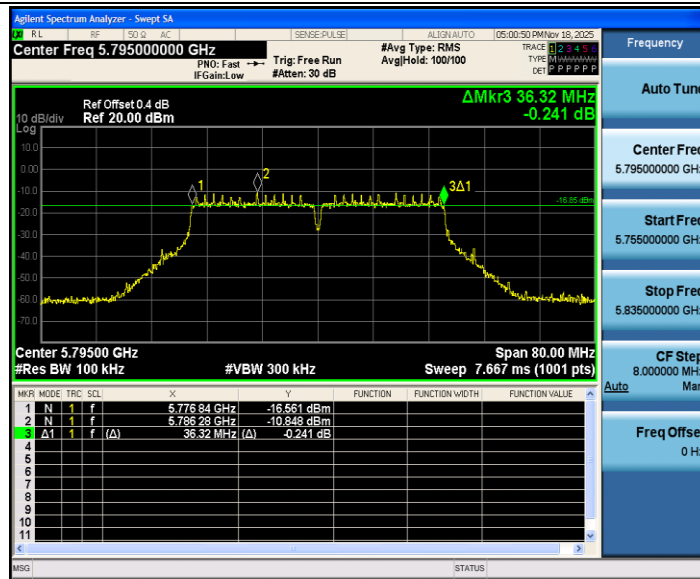
11N20SISO_Ant1_5825



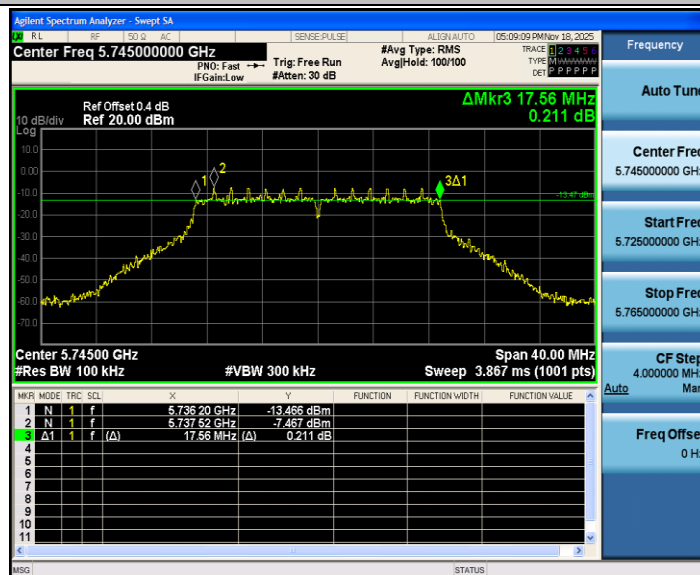
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785

