

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2A6P9-AS-BMA01

Company : Promaster Electronic LLC

EUT : Wireless CP&AA adaptor

Model Number : AS-BMA-100

Report No. : CTA26052800904

Reviewed By : Eric Wang

FCC Appendix RF Test Data for 5GWIFI Antenna 0

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	23.280	5168.480	5191.760	---	---
		5220	24.160	5207.600	5231.760	---	---
		5240	23.560	5228.040	5251.600	---	---
		5745	24.640	5732.200	5756.840	---	---
		5785	23.920	5772.960	5796.880	---	---
		5825	24.440	5812.840	5837.280	---	---
11N20SISO	Ant0	5180	23.240	5168.240	5191.480	---	---
		5220	24.280	5208.000	5232.280	---	---
		5240	23.520	5228.320	5251.840	---	---
		5745	24.520	5732.600	5757.120	---	---
		5785	25.080	5772.560	5797.640	---	---
		5825	23.920	5813.000	5836.920	---	---
11N40SISO	Ant0	5190	43.600	5168.640	5212.240	---	---
		5230	43.200	5208.880	5252.080	---	---
		5755	44.960	5733.320	5778.280	---	---
		5795	44.080	5773.080	5817.160	---	---
11AC20SISO	Ant0	5180	23.120	5168.520	5191.640	---	---
		5220	23.840	5208.040	5231.880	---	---
		5240	22.480	5229.040	5251.520	---	---
		5745	24.040	5733.080	5757.120	---	---
		5785	23.440	5773.280	5796.720	---	---
		5825	23.040	5813.680	5836.720	---	---
11AC40SISO	Ant0	5190	42.160	5168.640	5210.800	---	---
		5230	42.960	5208.800	5251.760	---	---
		5755	44.560	5733.160	5777.720	---	---
		5795	44.160	5773.480	5817.640	---	---
11AC80SISO	Ant0	5210	85.120	5167.280	5252.400	---	---
		5775	85.600	5732.440	5818.040	---	---

Test Graphs

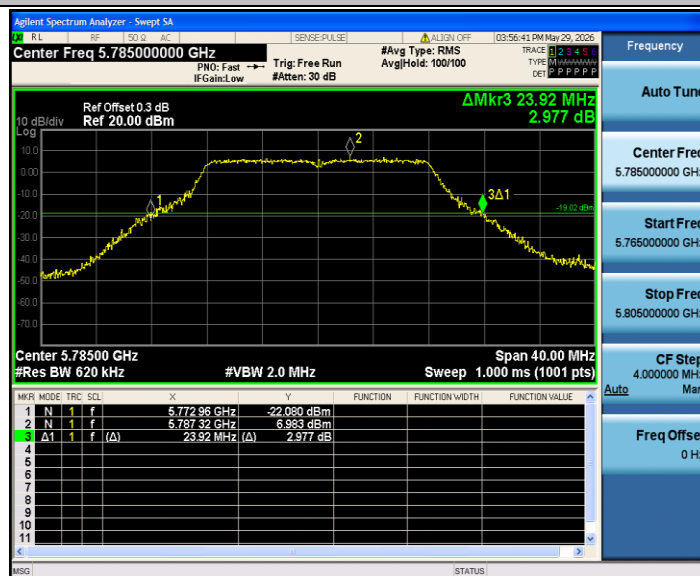




11A_Ant0_5745



11A_Ant0_5785





11N20SISO_Ant0_5240



11N20SISO_Ant0_5745



11N20SISO_Ant0_5785



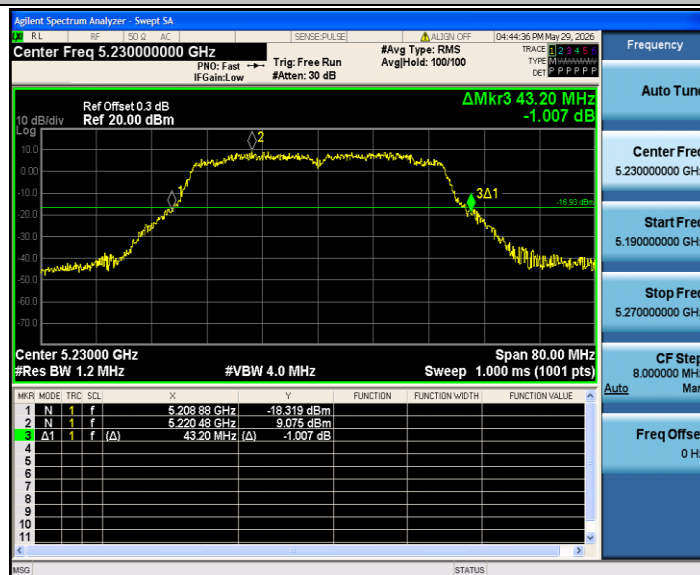
11N20SISO_Ant0_5825



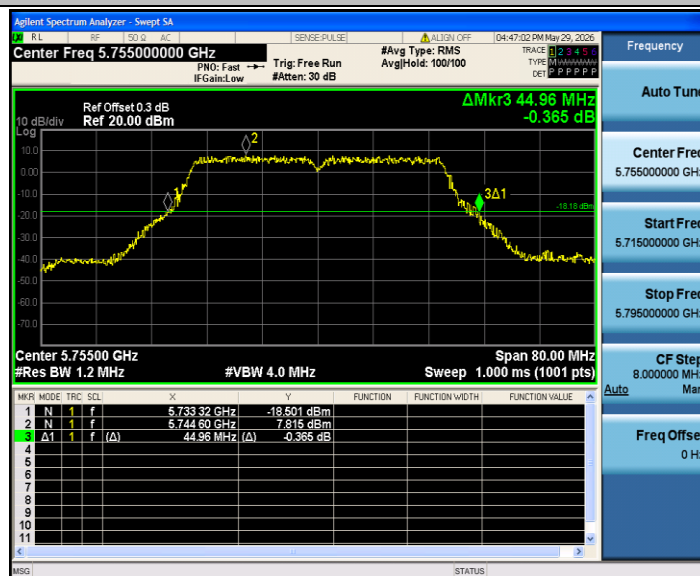
11N40SISO_Ant0_5190



11N40SISO_Ant0_5230



11N40SISO_Ant0_5755



11N40SISO_Ant0_5795



11AC20SISO_Ant0_5180



11AC20SISO_Ant0_5220



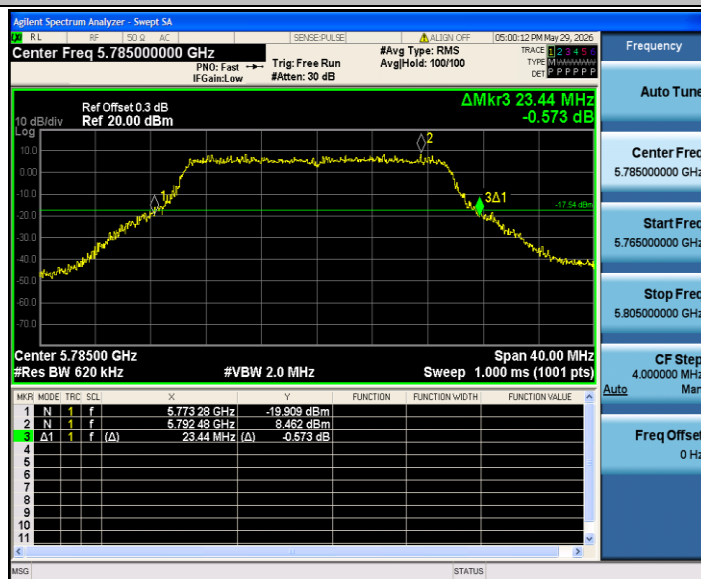
11AC20SISO_Ant0_5240



11AC20SISO_Ant0_5745



11AC20SISO_Ant0_5785



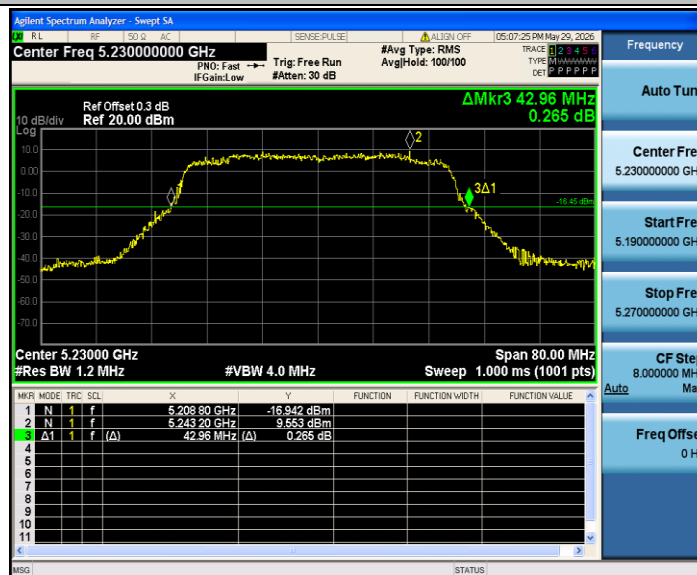
11AC20SISO_Ant0_5825



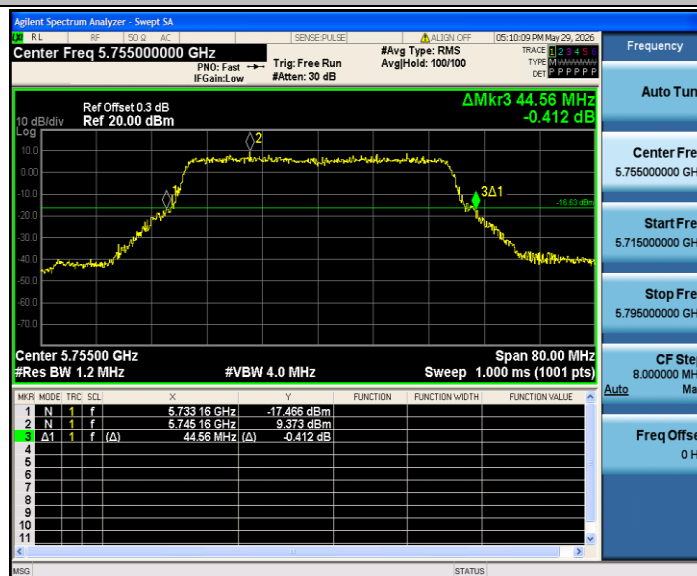
11AC40SISO_Ant0_5190



11AC40SISO_Ant0_5230



11AC40SISO_Ant0_5755



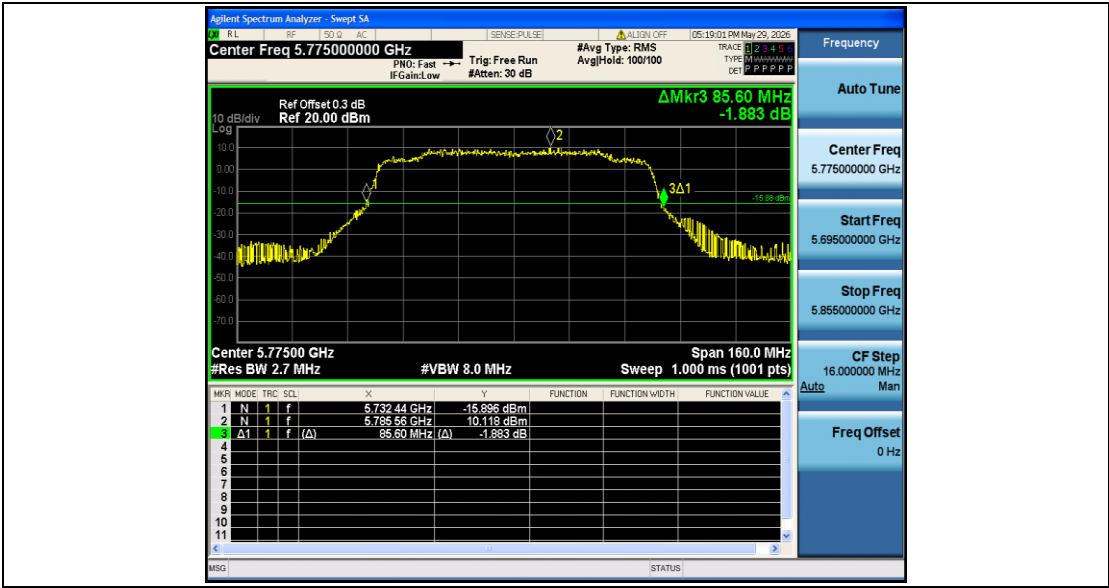
11AC40SISO_Ant0_5795



11AC80SISO_Ant0_5210



11AC80SISO_Ant0_5775



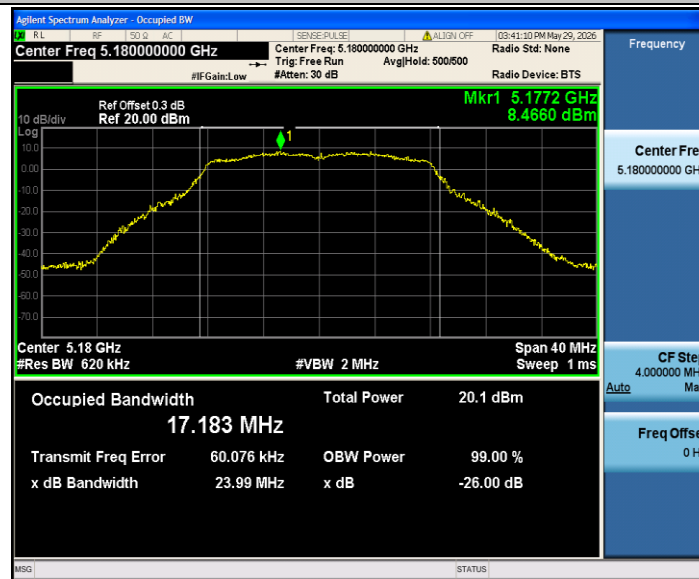
Appendix A2: Occupied channel bandwidth

Test Result

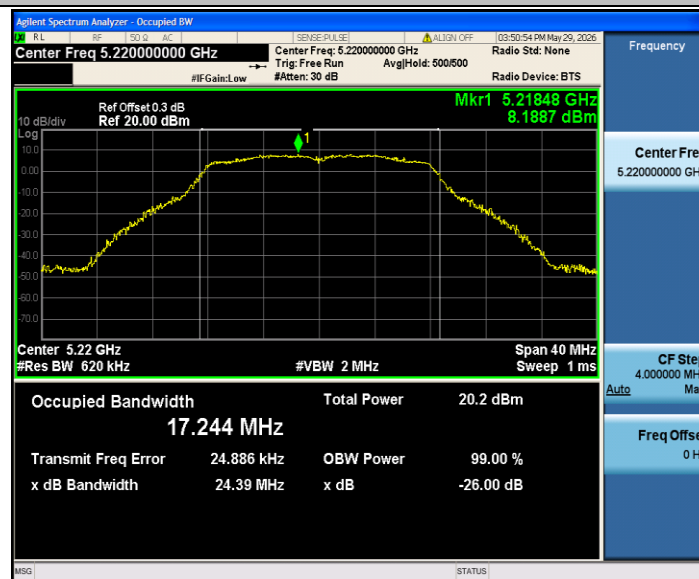
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	17.183	5171.4686	5188.6516	---	---
		5220	17.244	5211.4029	5228.6469	---	---
		5240	17.222	5231.4181	5248.6401	---	---
		5745	17.564	5736.2203	5753.7843	---	---
		5785	17.631	5776.2163	5793.8473	---	---
		5825	17.656	5816.2067	5833.8627	---	---
11N20SISO	Ant0	5180	18.263	5170.9031	5189.1661	---	---
		5220	18.281	5210.8798	5229.1608	---	---
		5240	18.220	5230.9082	5249.1282	---	---
		5745	18.674	5735.6321	5754.3061	---	---
		5785	18.670	5775.6608	5794.3308	---	---
		5825	18.607	5815.7066	5834.3136	---	---
11N40SISO	Ant0	5190	36.328	5171.8884	5208.2164	---	---
		5230	36.353	5211.9168	5248.2698	---	---
		5755	36.966	5736.6109	5773.5769	---	---
		5795	36.890	5776.6363	5813.5263	---	---
11AC20SISO	Ant0	5180	19.079	5170.5038	5189.5828	---	---
		5220	19.083	5210.4989	5229.5819	---	---
		5240	19.100	5230.4979	5249.5979	---	---
		5745	19.422	5735.2988	5754.7208	---	---
		5785	19.394	5775.3156	5794.7096	---	---
		5825	19.357	5815.3613	5834.7183	---	---
11AC40SISO	Ant0	5190	37.798	5171.1844	5208.9824	---	---
		5230	37.847	5211.1407	5248.9877	---	---
		5755	38.311	5735.9388	5774.2498	---	---
		5795	38.295	5775.9394	5814.2344	---	---
11AC80SISO	Ant0	5210	77.065	5171.5561	5248.6211	---	---
		5775	77.378	5736.4648	5813.8428	---	---

Test Graphs

11A_Ant0_5180



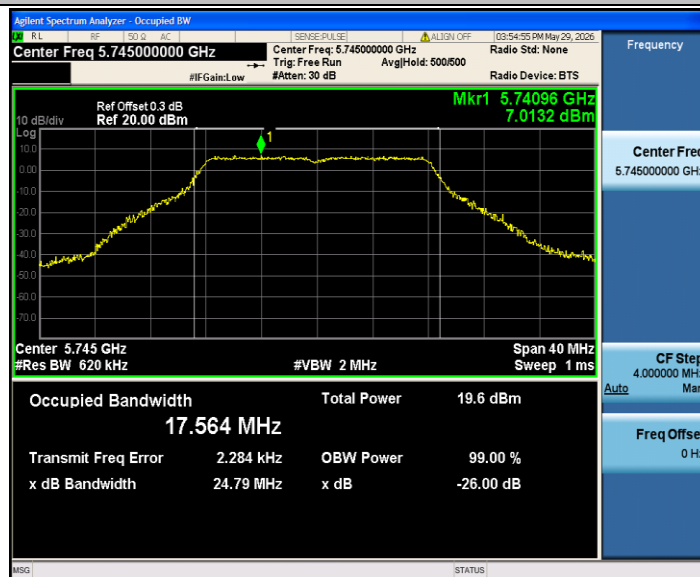
11A_Ant0_5220



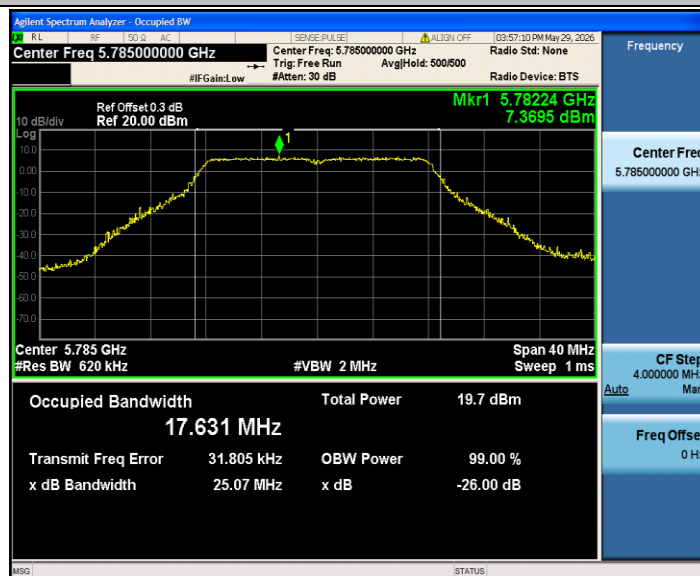
11A_Ant0_5240



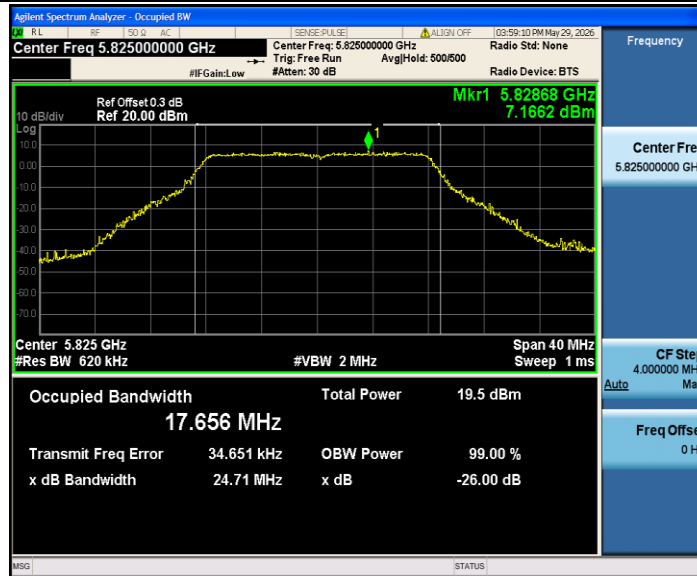
11A_Ant0_5745



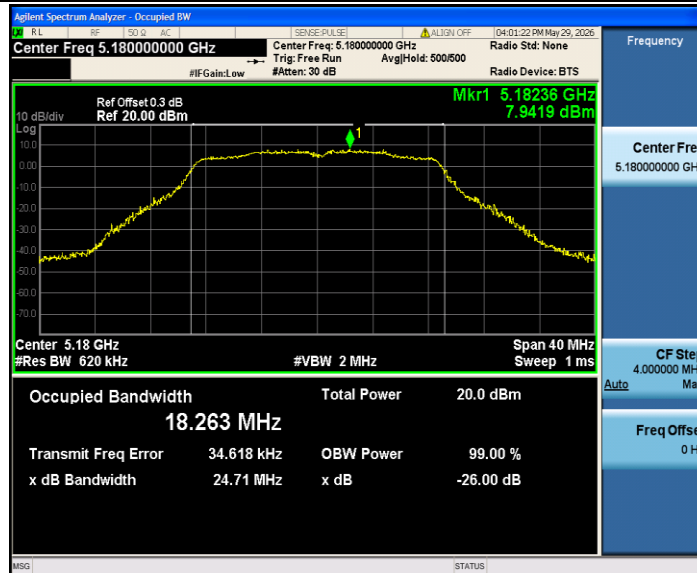
11A_Ant0_5785



11A_Ant0_5825



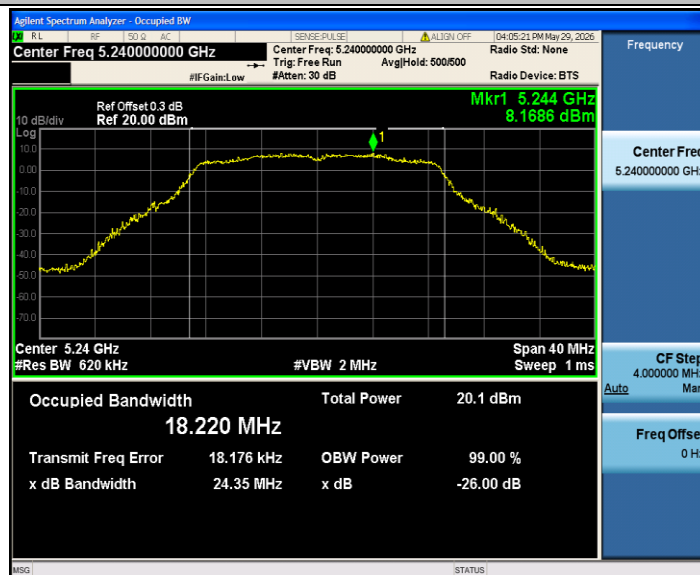
11N20SISO_Ant0_5180



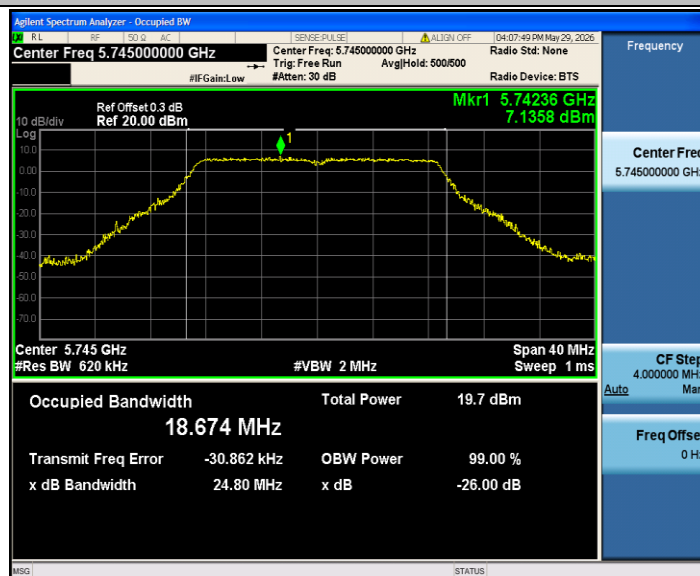
11N20SISO_Ant0_5220



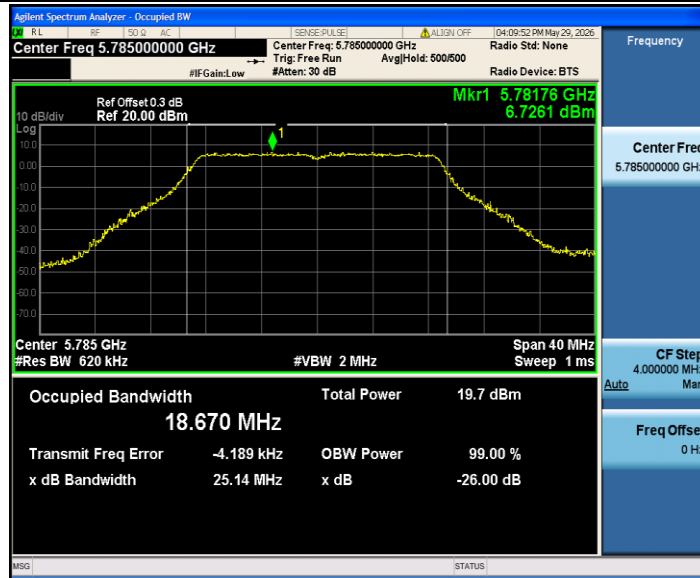
11N20SISO_Ant0_5240



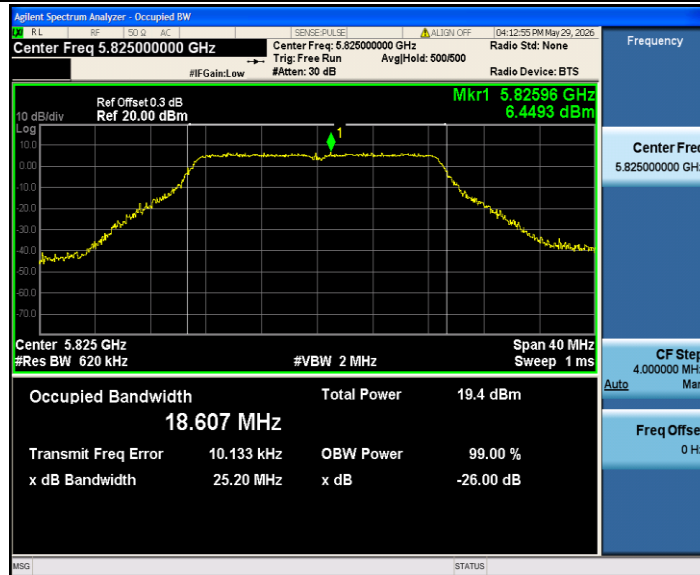
11N20SISO_Ant0_5745



11N20SISO_Ant0_5785



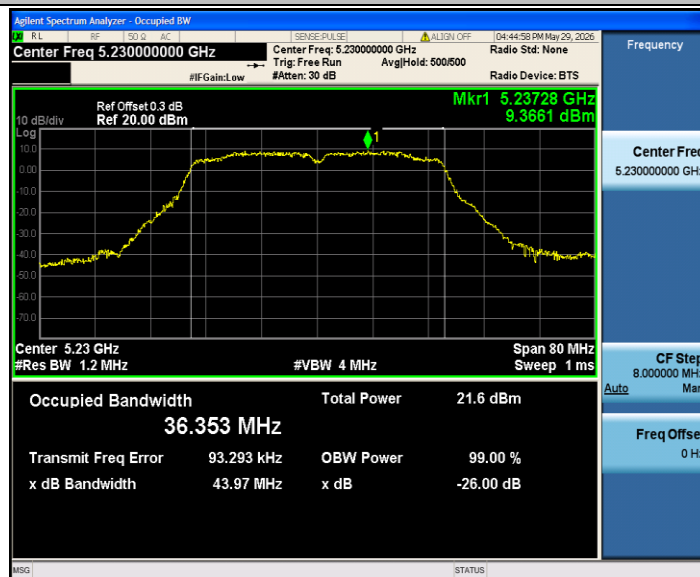
11N20SISO_Ant0_5825



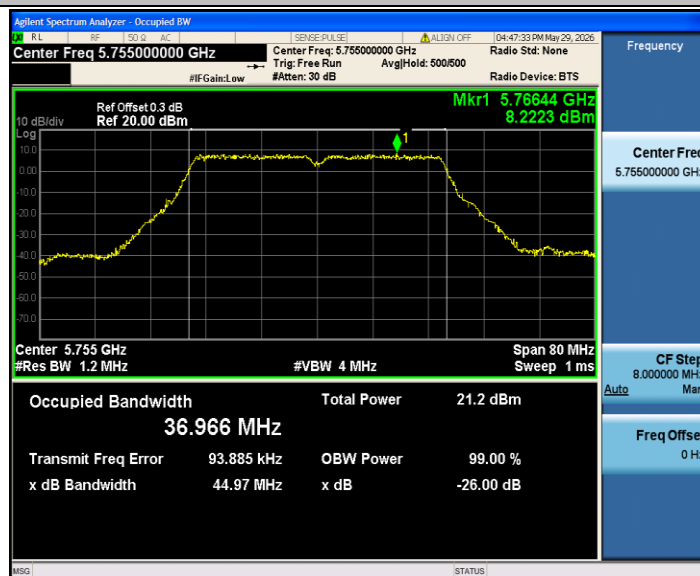
11N40SISO_Ant0_5190



11N40SISO_Ant0_5230



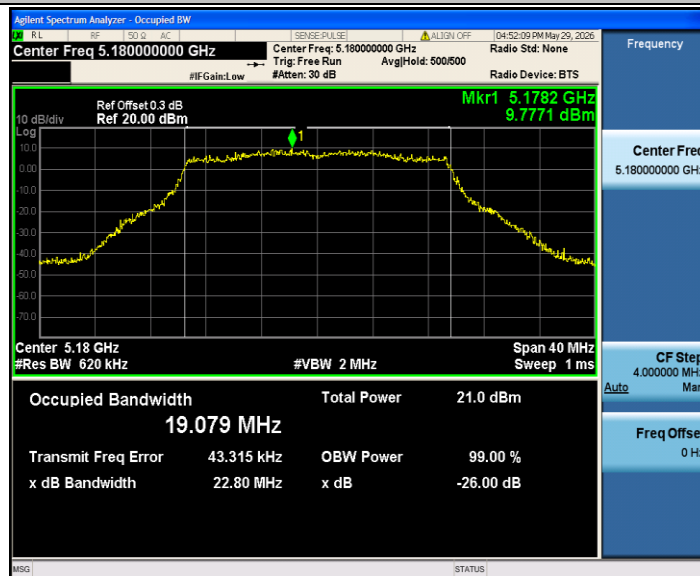
11N40SISO_Ant0_5755



11N40SISO_Ant0_5795



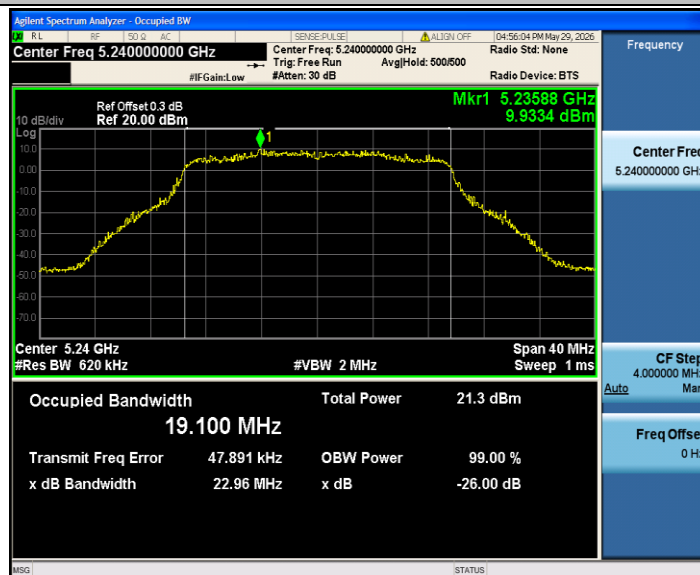
11AC20SISO_Ant0_5180



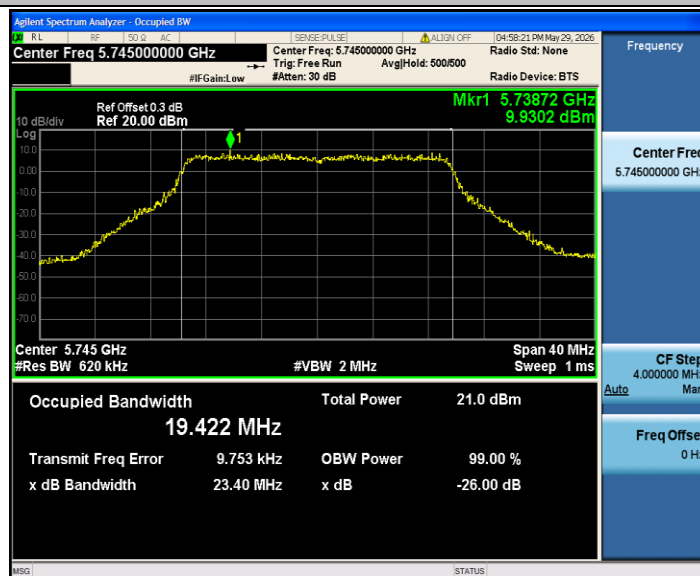
11AC20SISO_Ant0_5220



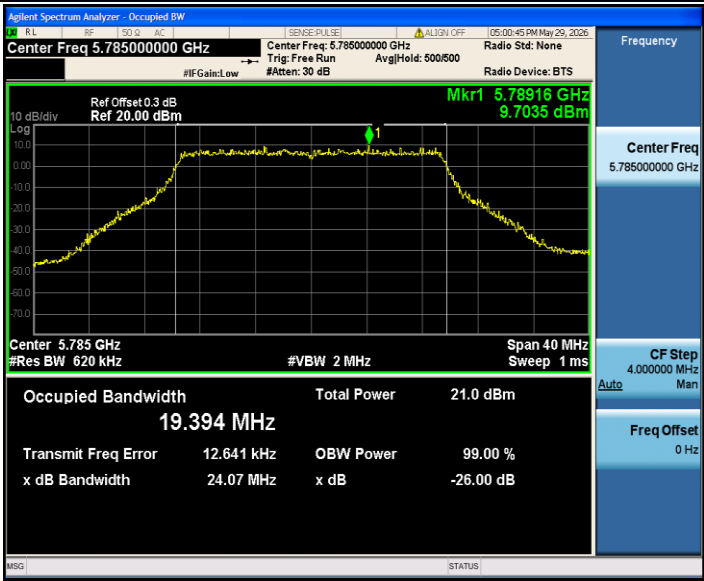
11AC20SISO_Ant0_5240



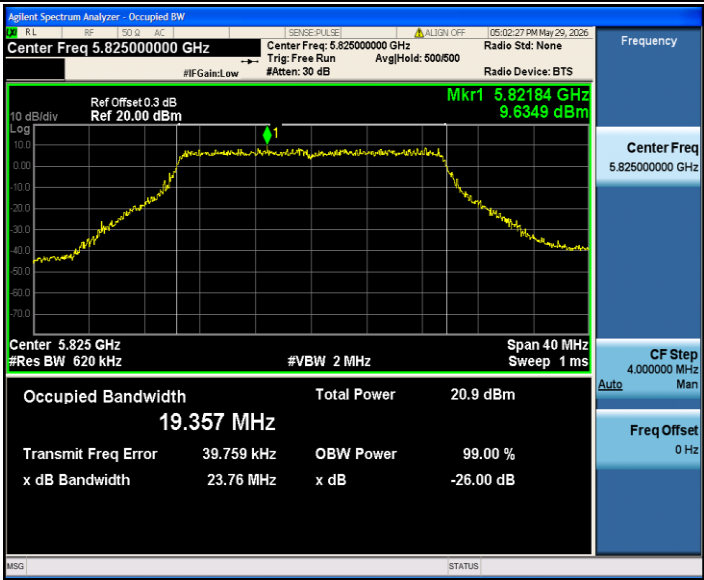
11AC20SISO_Ant0_5745



11AC20SISO_Ant0_5785



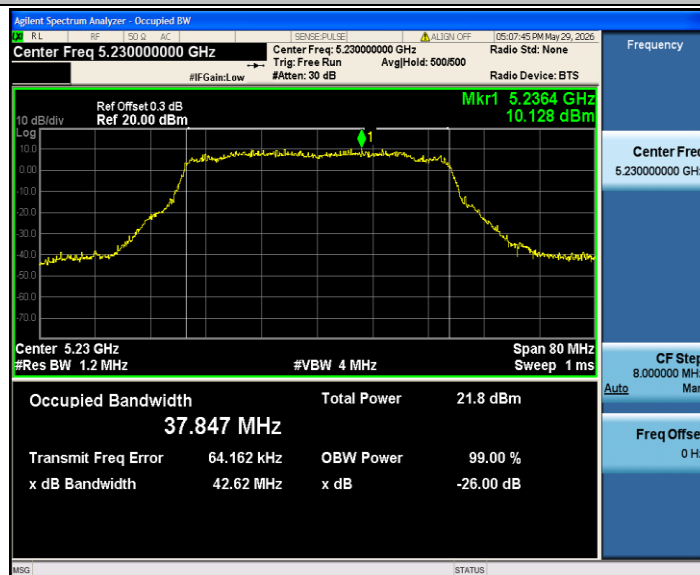
11AC20SISO_Ant0_5825



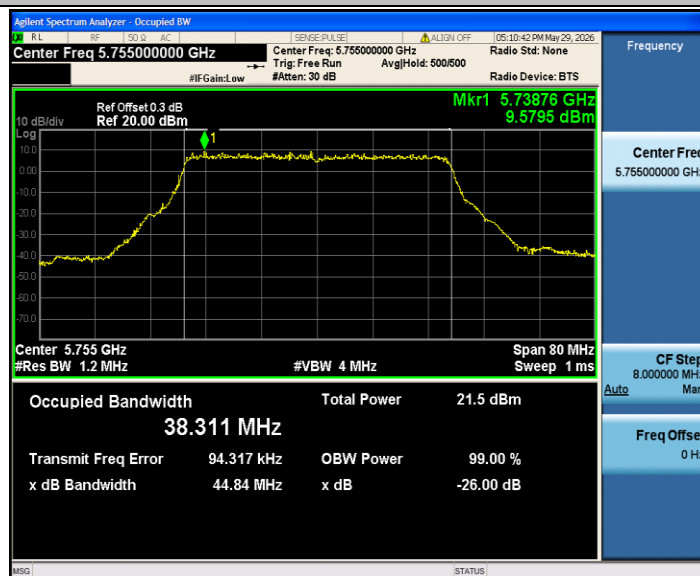
11AC40SISO_Ant0_5190



11AC40ISO_Ant0_5230



11AC40ISO_Ant0_5755



11AC40SISO_Ant0_5795



11AC80SISO_Ant0_5210



11AC80SISO_Ant0_5775



Appendix A3: Min emission bandwidth

Test Result B4

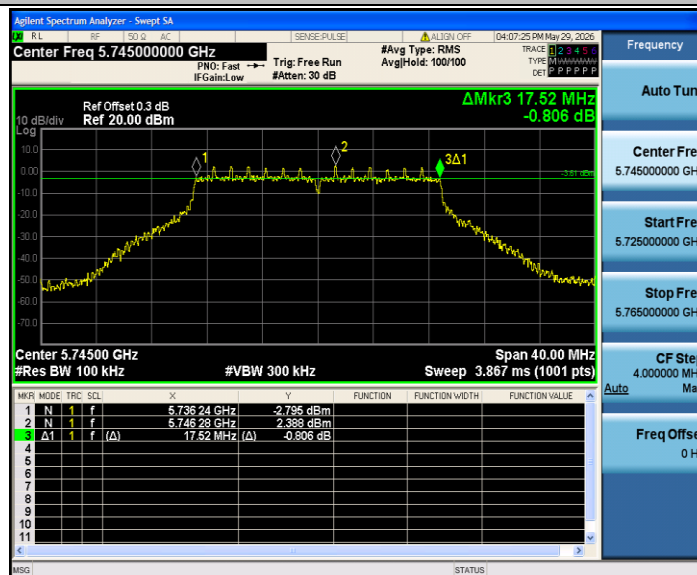
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.280	5776.880	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant0	5745	17.520	5736.240	5753.760	0.5	PASS
		5785	17.560	5776.240	5793.800	0.5	PASS
		5825	17.520	5816.240	5833.760	0.5	PASS
11N40SISO	Ant0	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant0	5745	18.600	5735.840	5754.440	0.5	PASS
		5785	18.320	5775.680	5794.000	0.5	PASS
		5825	18.400	5815.800	5834.200	0.5	PASS
11AC40SISO	Ant0	5755	37.680	5736.280	5773.960	0.5	PASS
		5795	37.680	5776.280	5813.960	0.5	PASS
11AC80SISO	Ant0	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

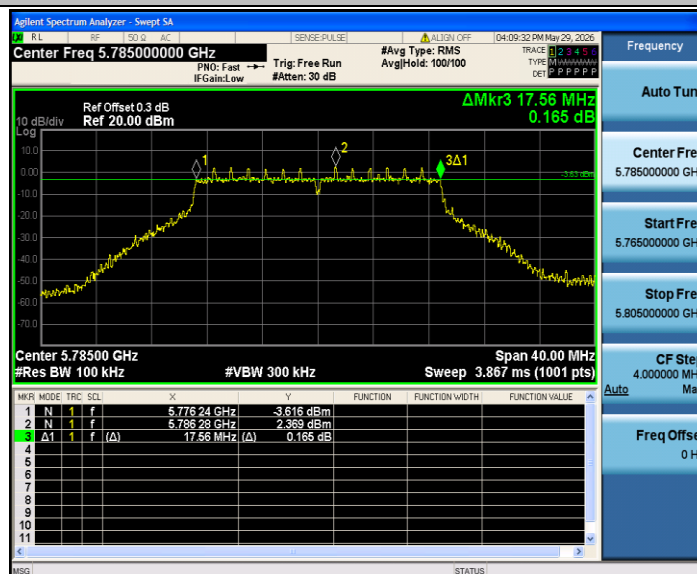




11N20SISO_Ant0_5745



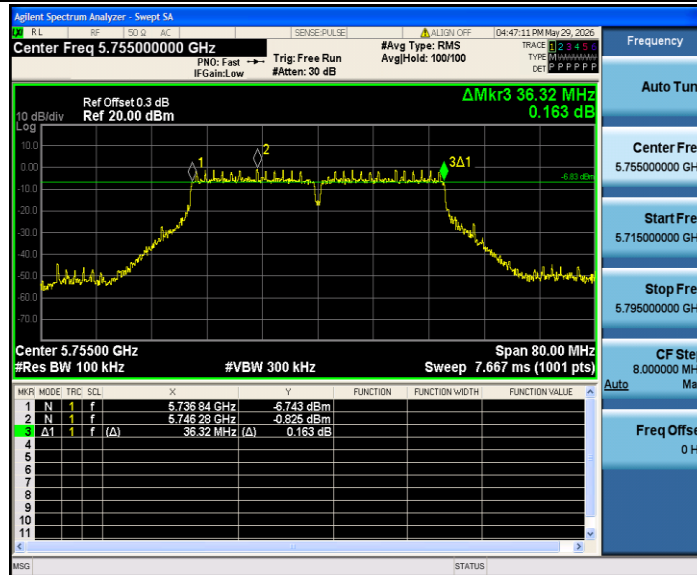
11N20SISO_Ant0_5785



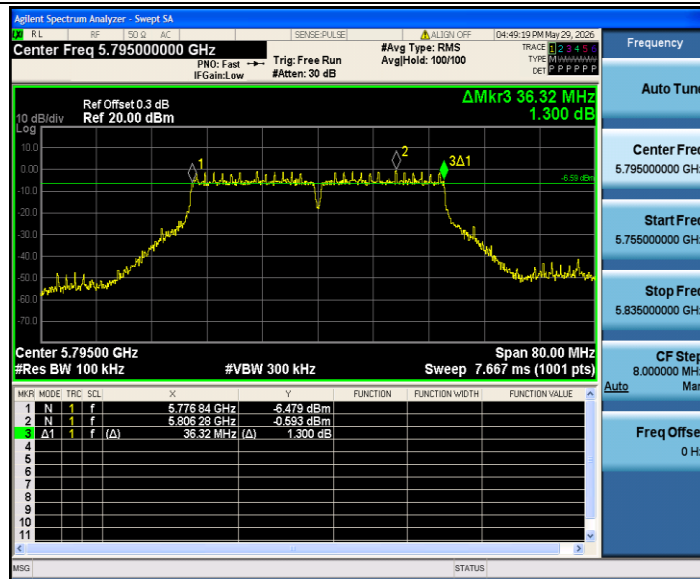
11N20SISO_Ant0_5825



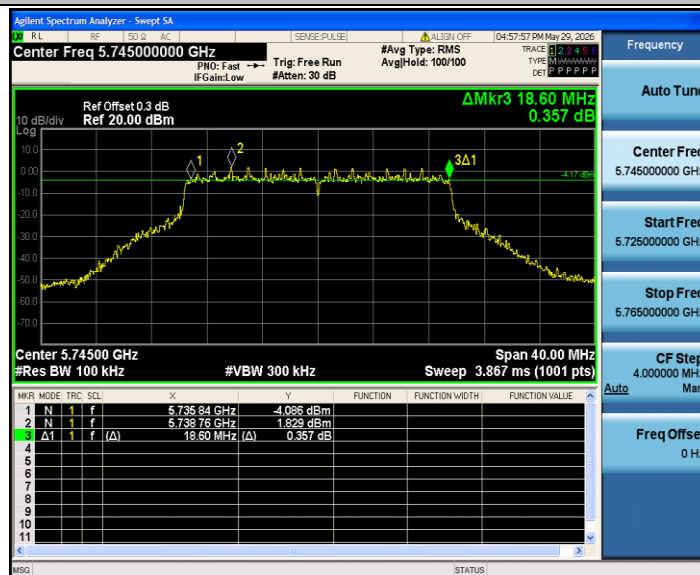
11N40SISO_Ant0_5755



11N40SISO_Ant0_5795



11AC20SISO_Ant0_5745



11AC20SISO_Ant0_5785

