

FCC Appendix RF Test Data for 5GWIFI

FCC : **2ATAN-P7**

Company : **3nStar, Inc.**

EUT : **P7 POS Terminal**

Model Number : **P7**

Report No. : **CTA26041702002**

Reviewed By : **Eric Wang**

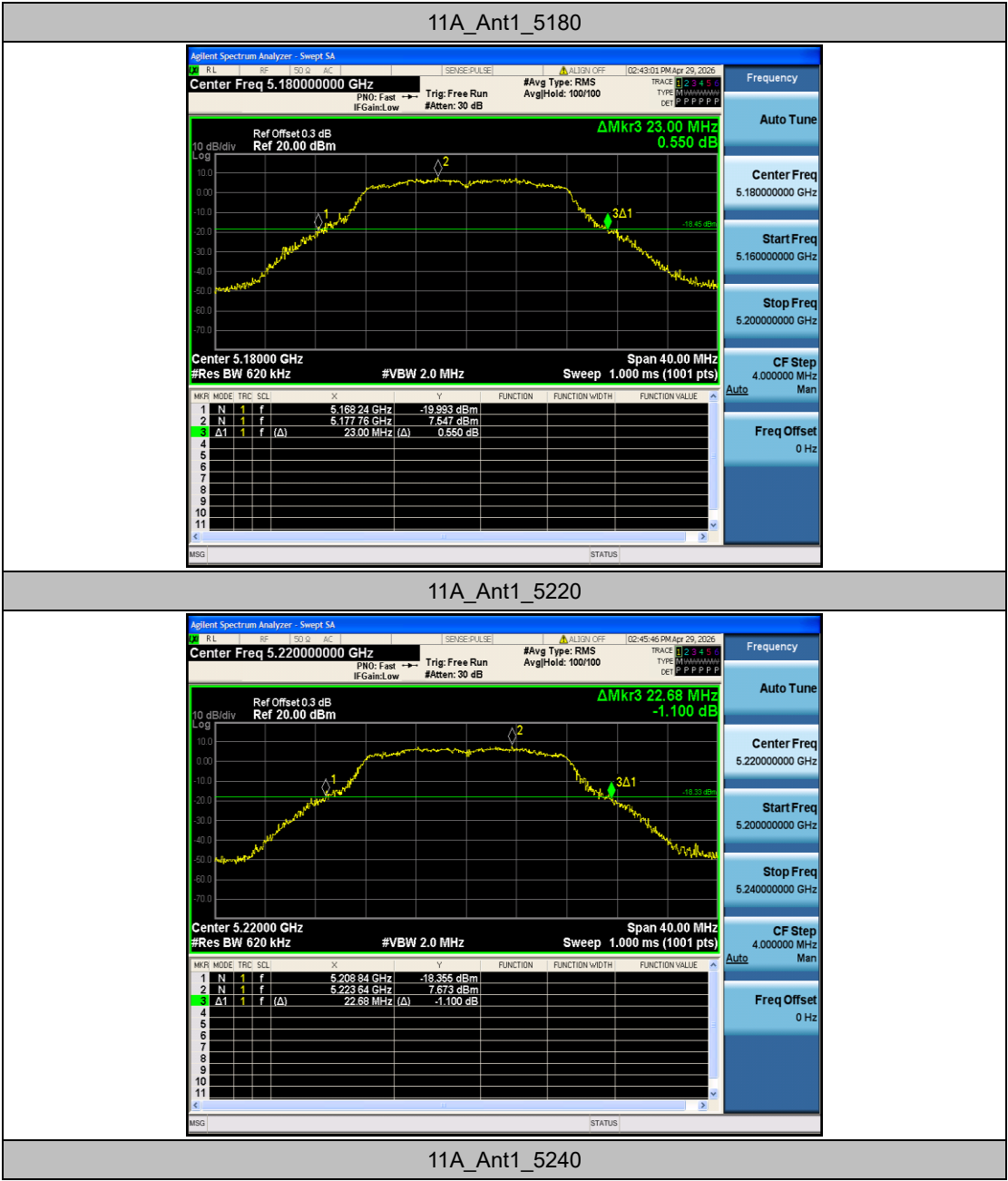
FCC Appendix RF Test Data for 5GWIFI Antenna 1

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	23.000	5168.240	5191.240	---	---
		5220	22.680	5208.840	5231.520	---	---
		5240	23.120	5228.520	5251.640	---	---
		5745	24.400	5732.640	5757.040	---	---
		5785	23.680	5773.200	5796.880	---	---
		5825	24.400	5812.800	5837.200	---	---
11N20SISO	Ant1	5180	23.880	5168.120	5192.000	---	---
		5220	24.680	5207.840	5232.520	---	---
		5240	24.000	5228.160	5252.160	---	---
		5745	24.040	5733.000	5757.040	---	---
		5785	25.160	5772.600	5797.760	---	---
		5825	24.880	5812.800	5837.680	---	---
11N40SISO	Ant1	5190	43.040	5168.800	5211.840	---	---
		5230	43.040	5208.960	5252.000	---	---
		5755	45.040	5733.080	5778.120	---	---
		5795	44.720	5773.240	5817.960	---	---
11AC20SISO	Ant1	5180	23.680	5168.560	5192.240	---	---
		5220	22.840	5208.800	5231.640	---	---
		5240	22.920	5228.640	5251.560	---	---
		5745	23.560	5733.280	5756.840	---	---
		5785	23.400	5773.600	5797.000	---	---
		5825	24.240	5813.160	5837.400	---	---
11AC40SISO	Ant1	5190	41.600	5169.280	5210.880	---	---
		5230	42.080	5208.880	5250.960	---	---
		5755	46.000	5732.040	5778.040	---	---
		5795	45.200	5772.920	5818.120	---	---
11AC80SISO	Ant1	5210	85.920	5167.120	5253.040	---	---
		5775	85.600	5732.600	5818.200	---	---

Test Graphs





11A_Ant1_5745



11A_Ant1_5785





11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



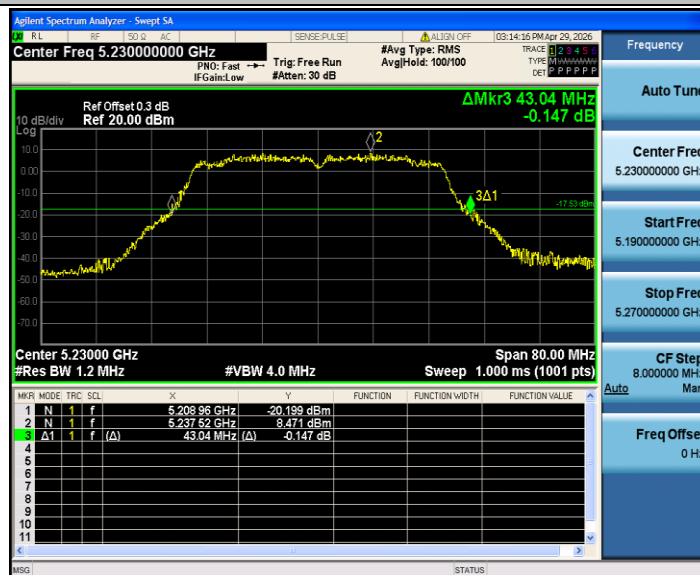
11N20SISO_Ant1_5825



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



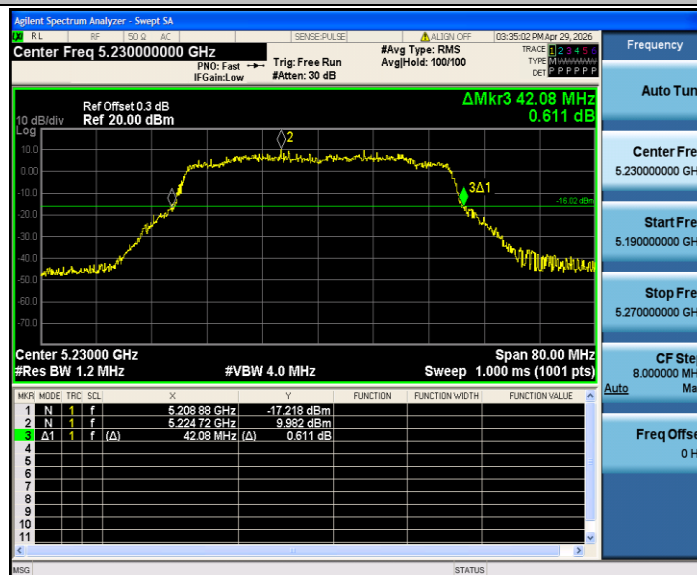
11AC20SISO_Ant1_5825



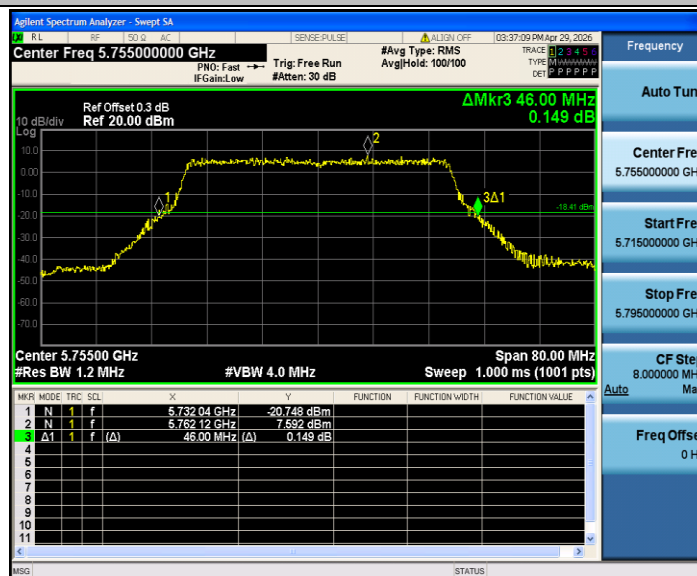
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



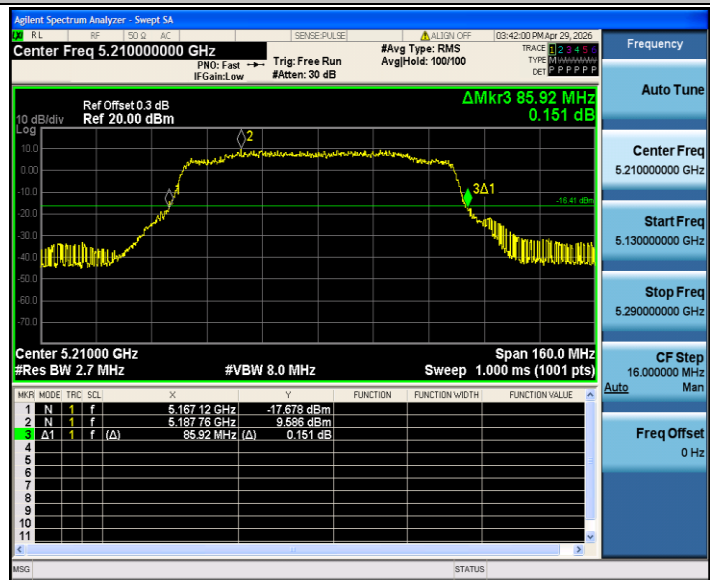
11AC40SISO_Ant1_5755



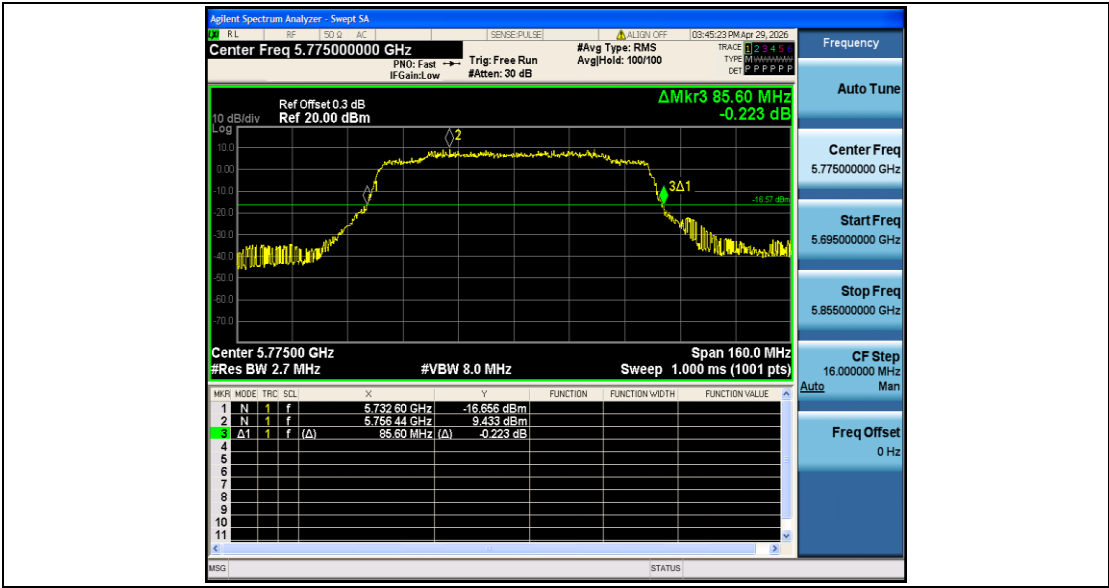
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



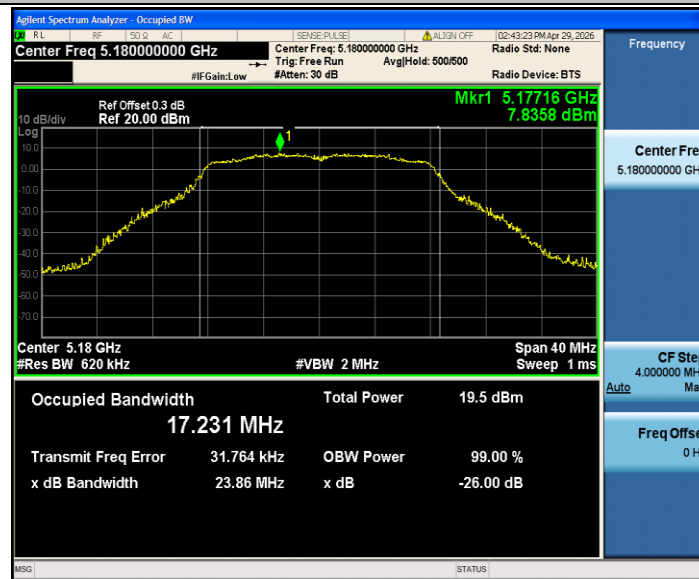
Appendix A2: Occupied channel bandwidth

Test Result

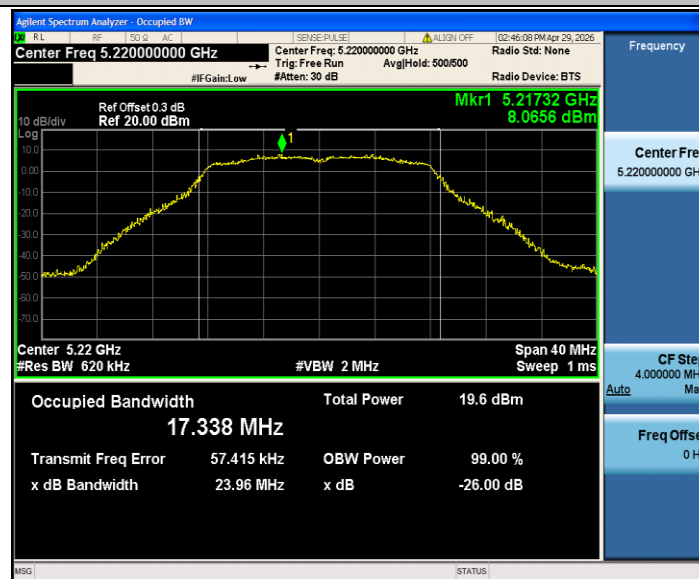
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.231	5171.4163	5188.6473	---	---
		5220	17.338	5211.3884	5228.7264	---	---
		5240	17.287	5231.3763	5248.6633	---	---
		5745	17.594	5736.2143	5753.8083	---	---
		5785	17.616	5776.2353	5793.8513	---	---
		5825	17.675	5816.1852	5833.8602	---	---
11N20SISO	Ant1	5180	18.238	5170.8882	5189.1262	---	---
		5220	18.311	5210.8656	5229.1766	---	---
		5240	18.255	5230.9171	5249.1721	---	---
		5745	18.699	5735.6181	5754.3171	---	---
		5785	18.623	5775.7342	5794.3572	---	---
		5825	18.640	5815.7206	5834.3606	---	---
11N40SISO	Ant1	5190	36.346	5171.9222	5208.2682	---	---
		5230	36.287	5211.9699	5248.2569	---	---
		5755	36.935	5736.5954	5773.5304	---	---
		5795	36.935	5776.6549	5813.5899	---	---
11AC20SISO	Ant1	5180	19.086	5170.4945	5189.5805	---	---
		5220	19.087	5210.5013	5229.5883	---	---
		5240	19.138	5230.4728	5249.6108	---	---
		5745	19.400	5735.3233	5754.7233	---	---
		5785	19.386	5775.3351	5794.7211	---	---
		5825	19.373	5815.3448	5834.7178	---	---
11AC40SISO	Ant1	5190	37.819	5171.1767	5208.9957	---	---
		5230	37.880	5211.1901	5249.0701	---	---
		5755	38.355	5735.8837	5774.2387	---	---
		5795	38.338	5775.9300	5814.2680	---	---
11AC80SISO	Ant1	5210	77.275	5171.5937	5248.8687	---	---
		5775	77.054	5736.6643	5813.7183	---	---

Test Graphs

11A_Ant1_5180



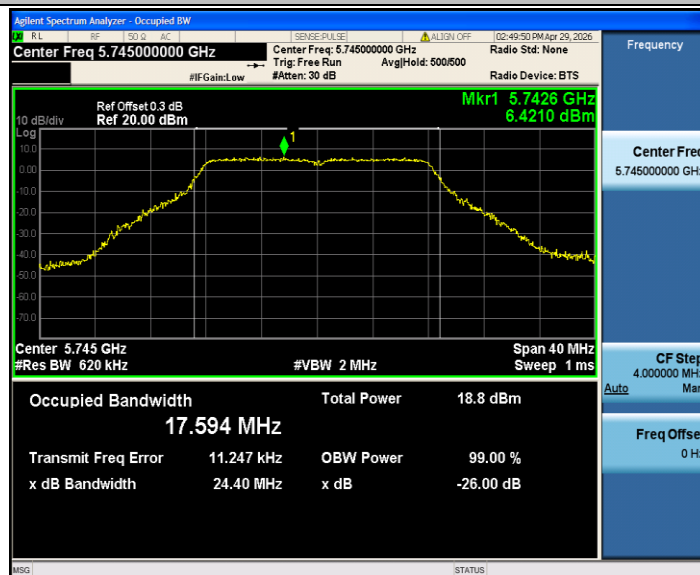
11A_Ant1_5220



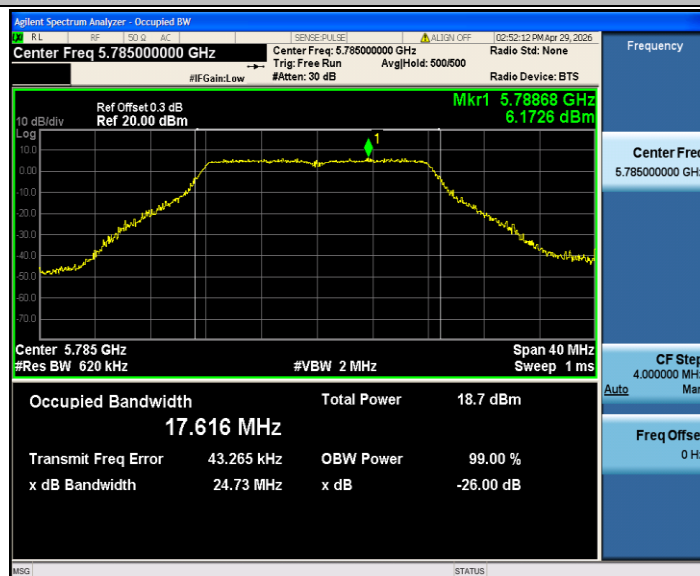
11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



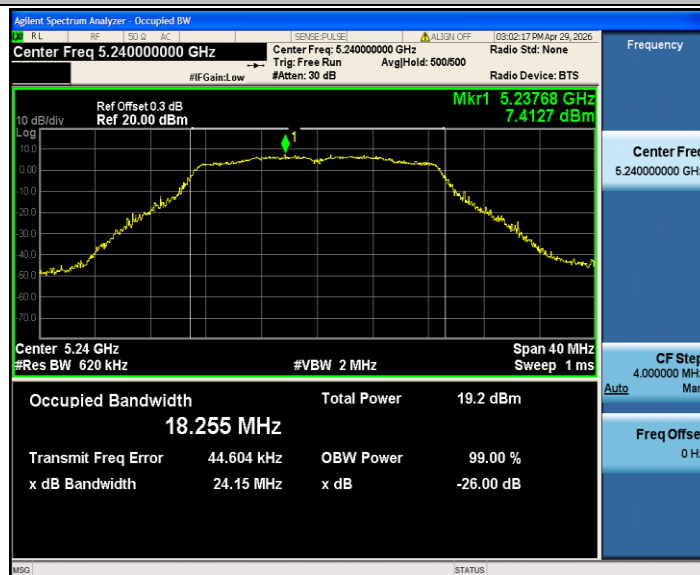
11N20SISO_Ant1_5180



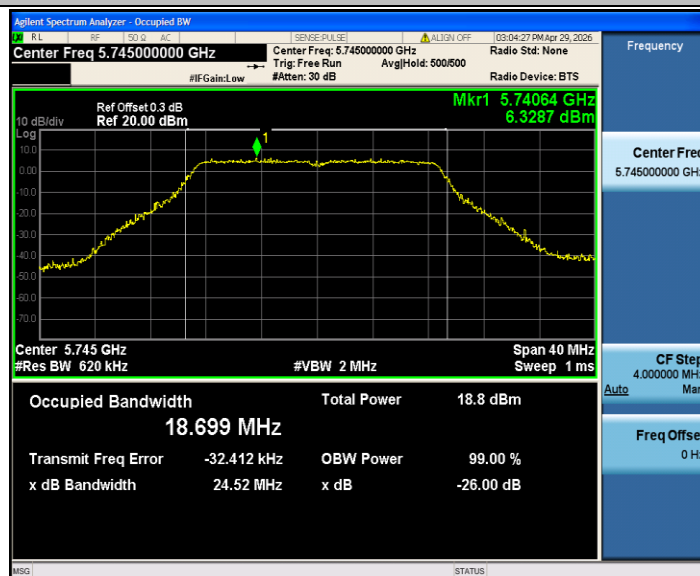
11N20SISO_Ant1_5220



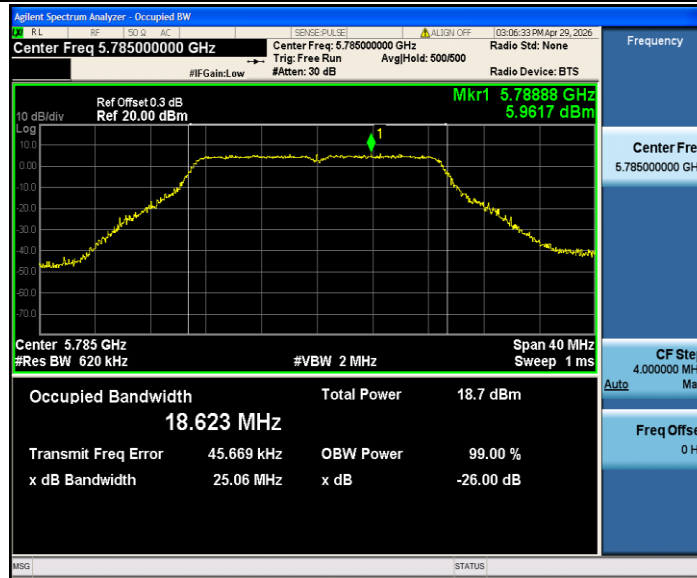
11N20SISO_Ant1_5240



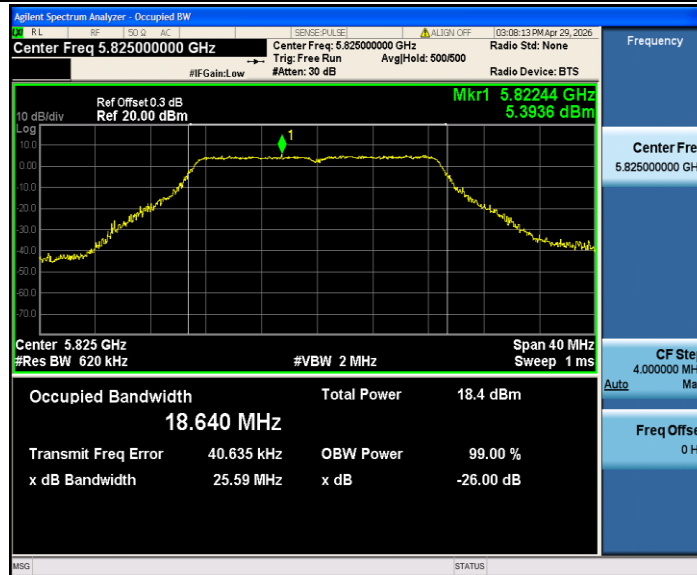
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



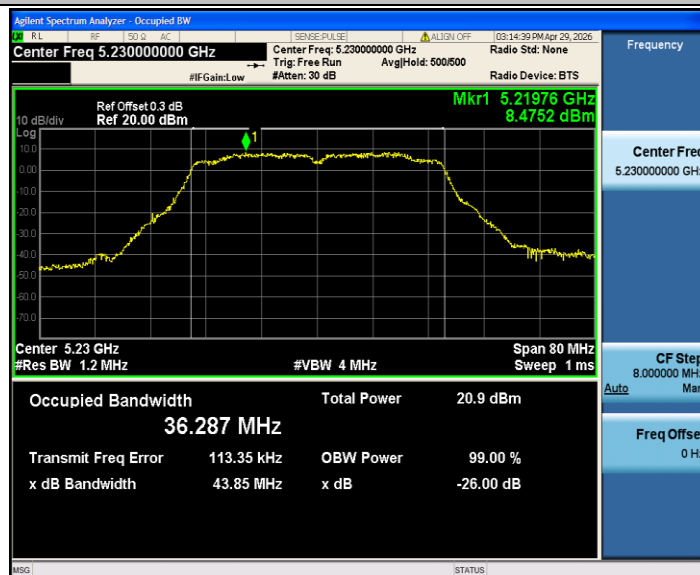
11N20SISO_Ant1_5825



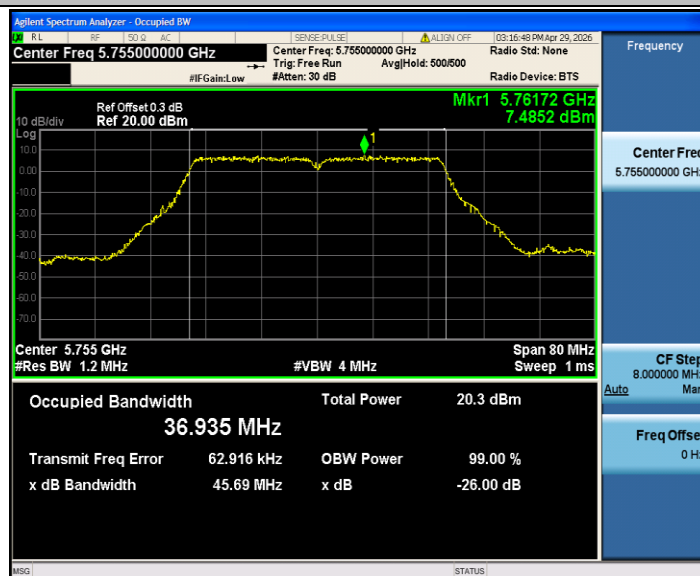
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



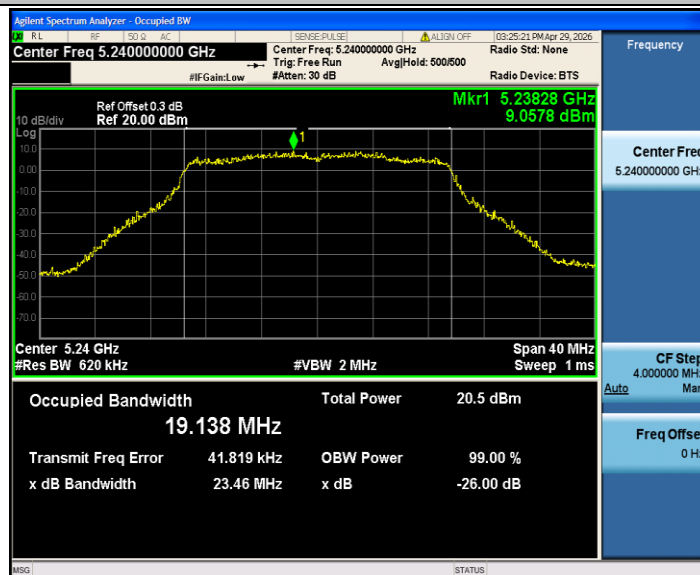
11AC20SISO_Ant1_5180



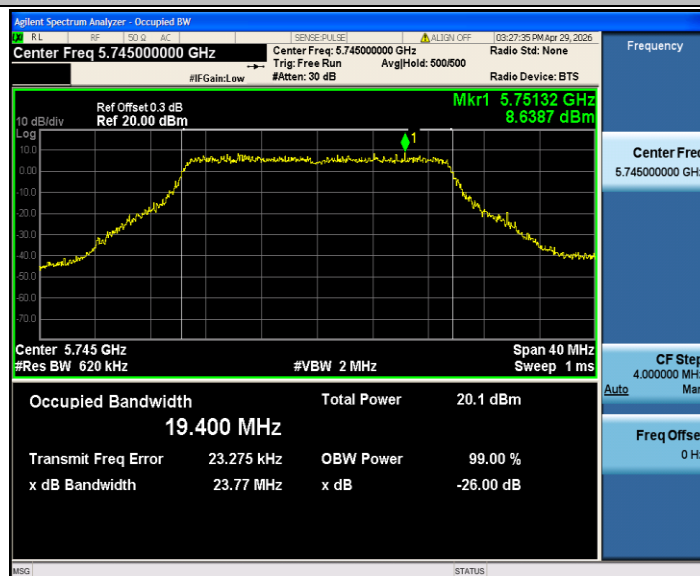
11AC20SISO_Ant1_5220



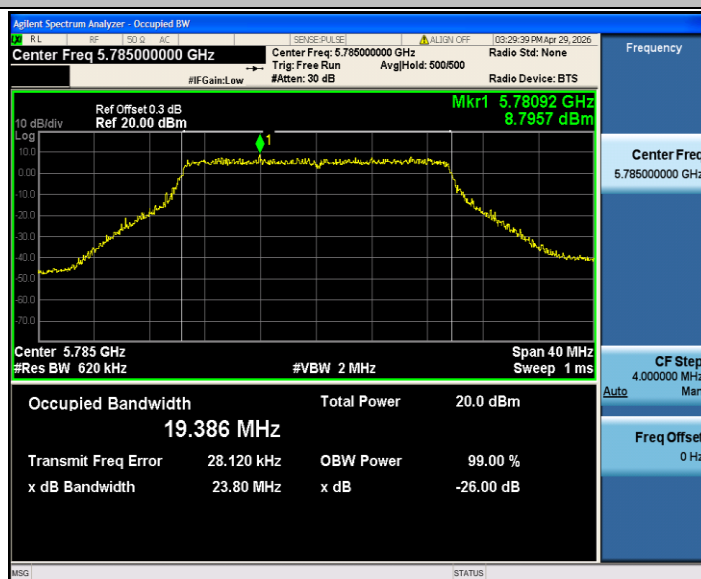
11AC20SISO_Ant1_5240



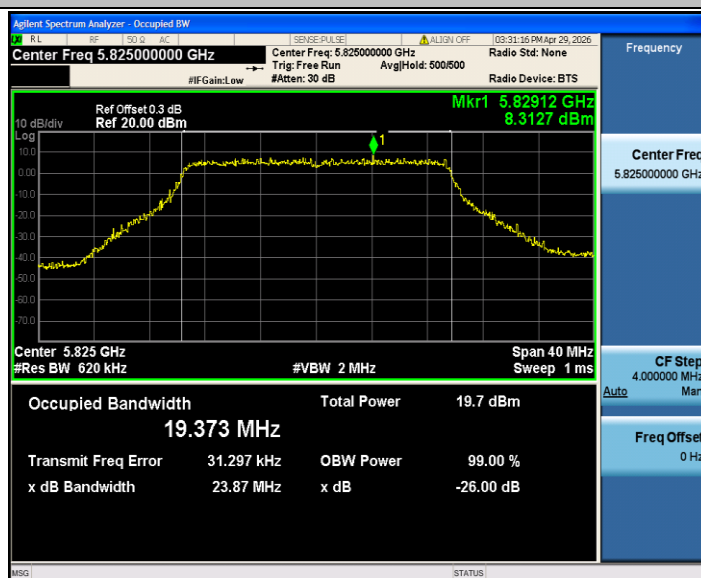
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



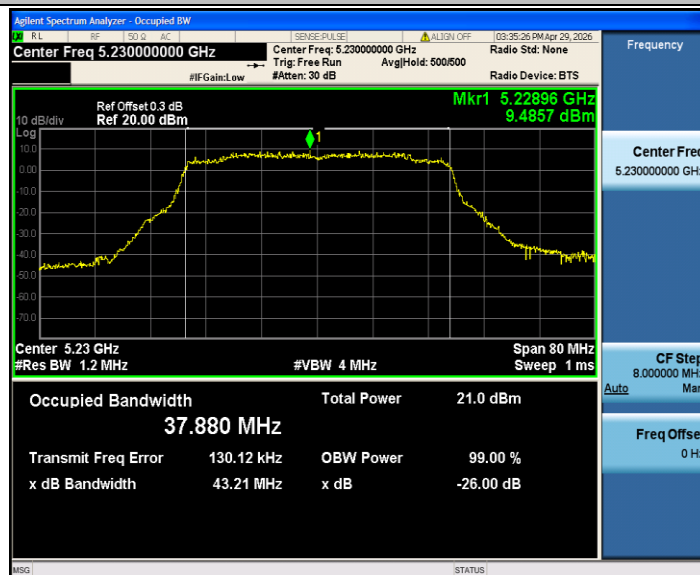
11AC20SISO_Ant1_5825



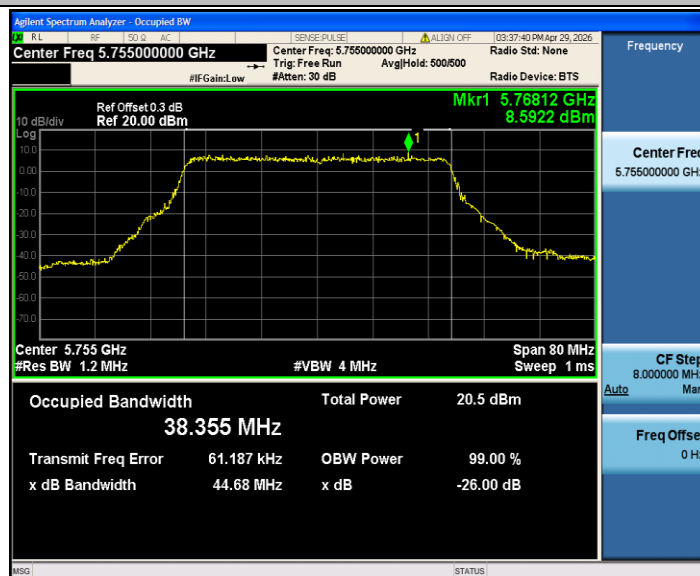
11AC40SISO_Ant1_5190



11AC40ISO_Ant1_5230



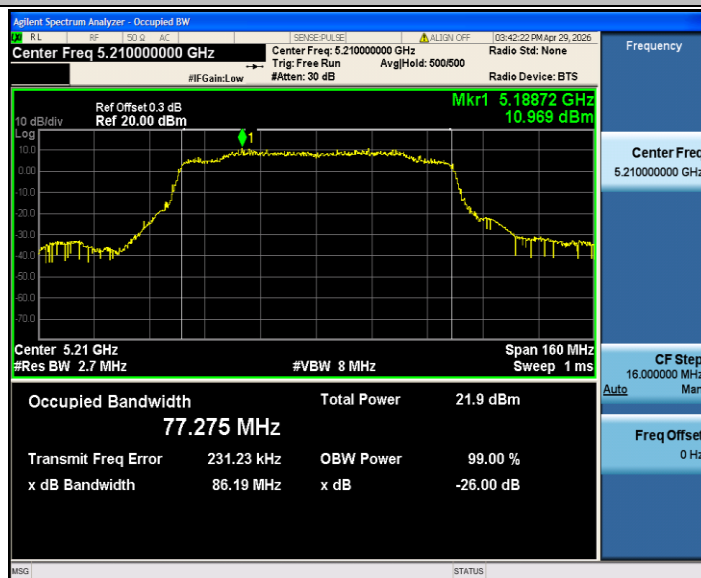
11AC40ISO_Ant1_5755



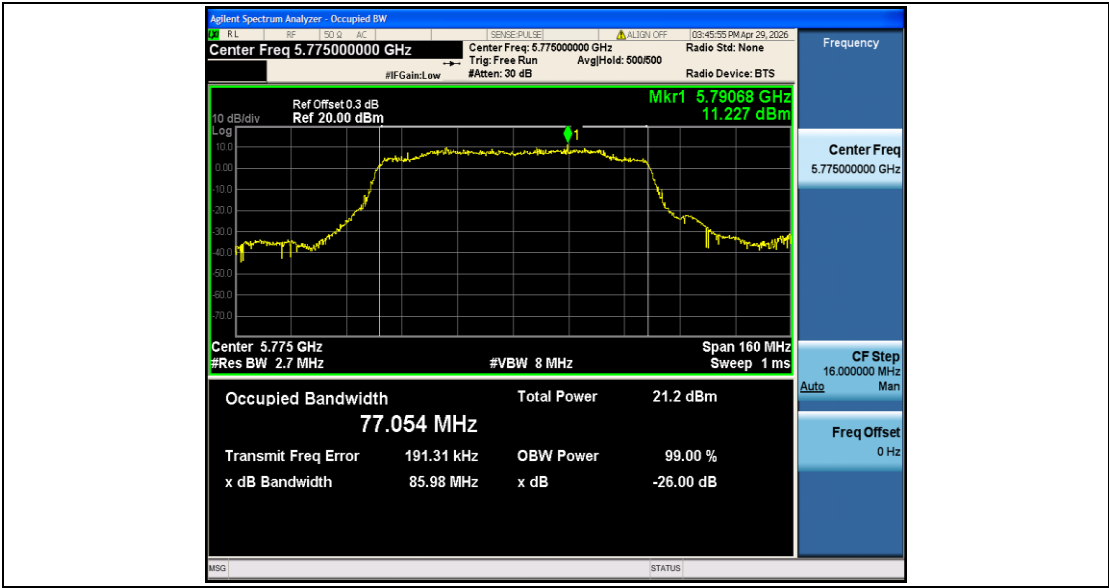
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



Appendix A3: Min emission bandwidth

Test Result B4

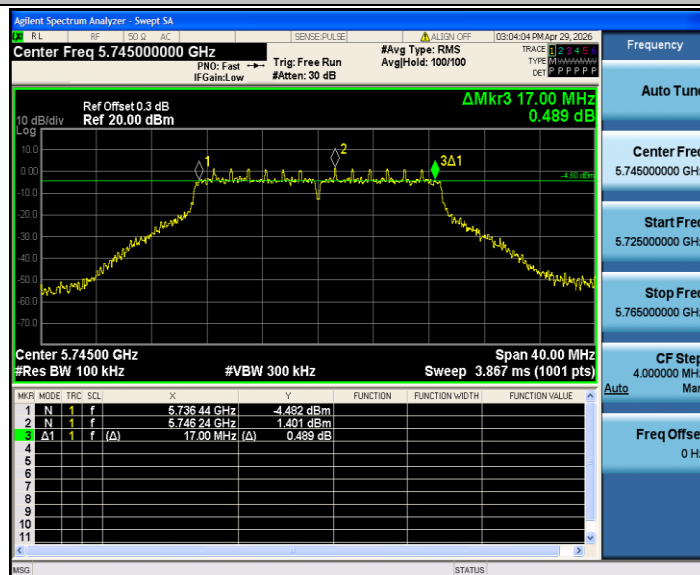
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.000	5736.440	5753.440	0.5	PASS
		5785	17.560	5776.240	5793.800	0.5	PASS
		5825	17.520	5816.240	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	18.480	5735.840	5754.320	0.5	PASS
		5785	18.280	5775.840	5794.120	0.5	PASS
		5825	18.760	5815.560	5834.320	0.5	PASS
11AC40SISO	Ant1	5755	37.680	5736.200	5773.880	0.5	PASS
		5795	37.600	5776.280	5813.880	0.5	PASS
11AC80SISO	Ant1	5775	74.880	5737.560	5812.440	0.5	PASS

Test Graphs B4

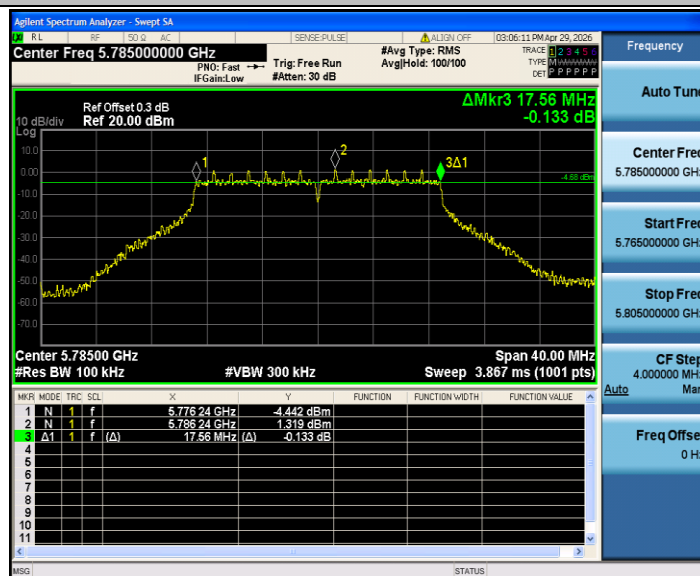




11N20SISO_Ant1_5745



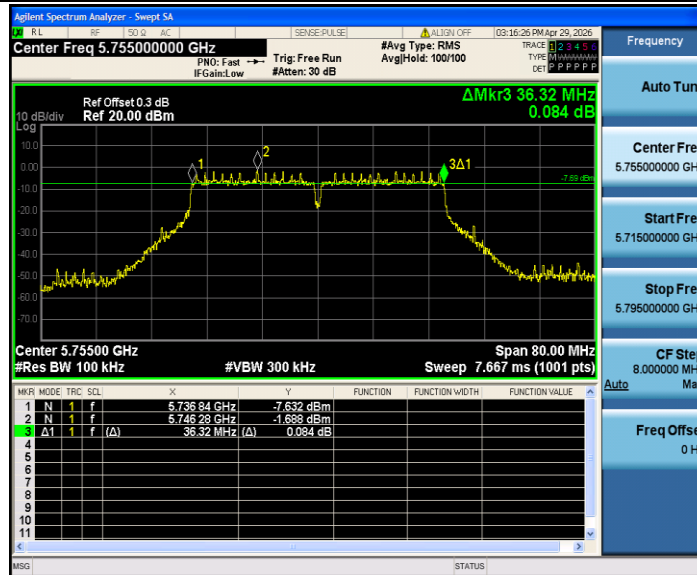
11N20SISO_Ant1_5785



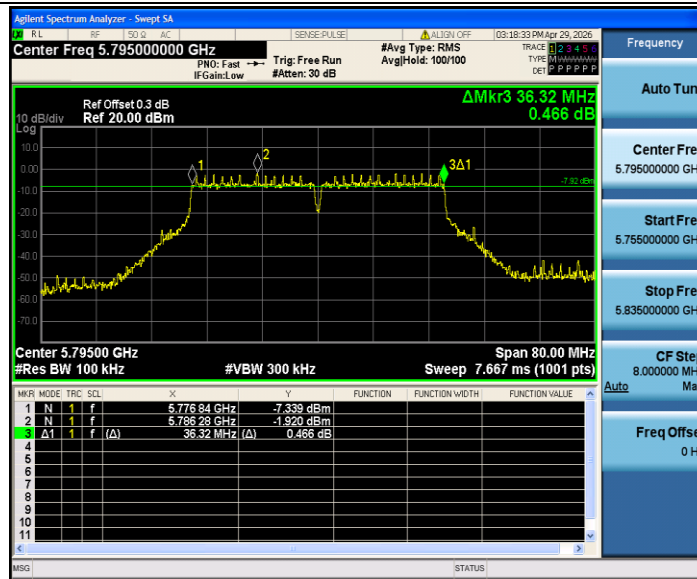
11N20SISO_Ant1_5825



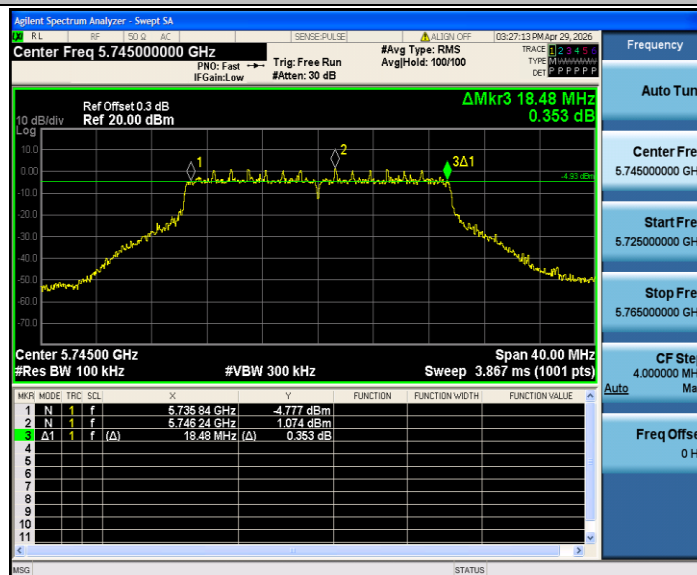
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785

