

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2A7KO-D1

Company : Shenzhen youfeiyang Electronics Co., Ltd

EUT : Battery camera

Model Number : D1

Report No. : CTA25111000502

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	21.680	5169.320	5191.000	---	---
		5220	22.040	5209.000	5231.040	---	---
		5240	22.360	5228.720	5251.080	---	---
		5745	22.560	5733.560	5756.120	---	---
		5785	23.040	5773.560	5796.600	---	---
		5825	23.040	5813.280	5836.320	---	---
11N20SISO	Ant1	5180	22.040	5169.080	5191.120	---	---
		5220	22.400	5209.040	5231.440	---	---
		5240	22.400	5228.720	5251.120	---	---
		5745	23.000	5733.400	5756.400	---	---
		5785	23.600	5773.080	5796.680	---	---
		5825	23.320	5813.120	5836.440	---	---
11N40SISO	Ant1	5190	42.800	5168.640	5211.440	---	---
		5230	43.040	5208.560	5251.600	---	---
		5755	44.960	5732.840	5777.800	---	---
		5795	44.960	5772.920	5817.880	---	---
11AC20SISO	Ant1	5180	23.080	5168.400	5191.480	---	---
		5220	22.160	5208.960	5231.120	---	---
		5240	21.960	5229.240	5251.200	---	---
		5745	22.840	5733.520	5756.360	---	---
		5785	24.320	5772.800	5797.120	---	---
		5825	23.120	5813.440	5836.560	---	---
11AC40SISO	Ant1	5190	42.640	5168.800	5211.440	---	---
		5230	43.760	5208.960	5252.720	---	---
		5755	44.640	5733.240	5777.880	---	---
		5795	44.400	5773.480	5817.880	---	---
11AX20SISO	Ant1	5180	22.240	5169.040	5191.280	---	---
		5220	22.880	5208.800	5231.680	---	---
		5240	22.200	5229.320	5251.520	---	---
		5745	25.000	5732.320	5757.320	---	---
		5785	23.320	5773.280	5796.600	---	---
		5825	23.000	5813.680	5836.680	---	---
11AX40SISO	Ant1	5190	42.240	5168.240	5210.480	---	---
		5230	40.800	5209.760	5250.560	---	---
		5755	41.600	5734.040	5775.640	---	---
		5795	43.280	5774.280	5817.560	---	---

Test Graphs





11A_Ant1_5745



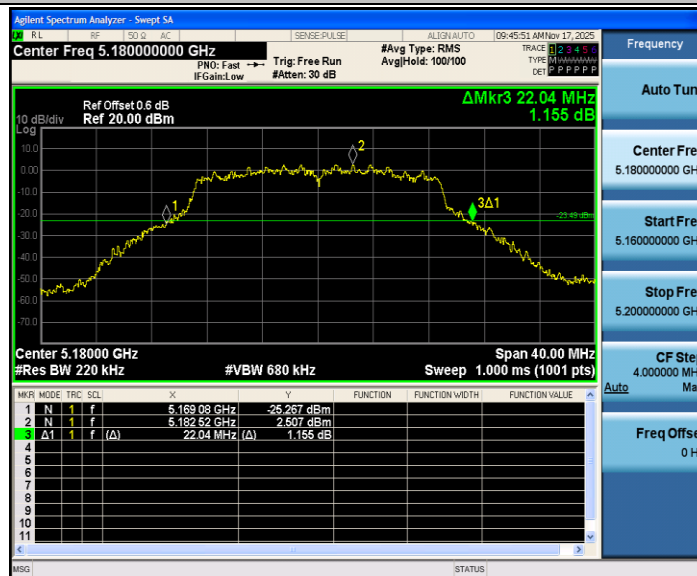
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



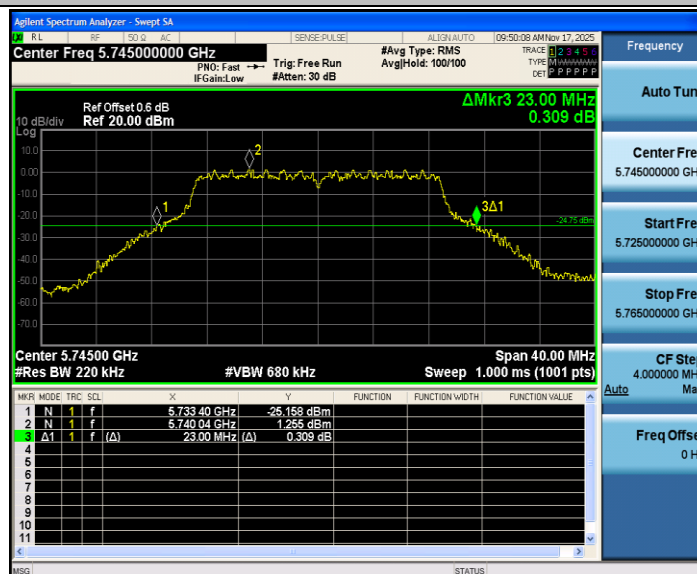
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



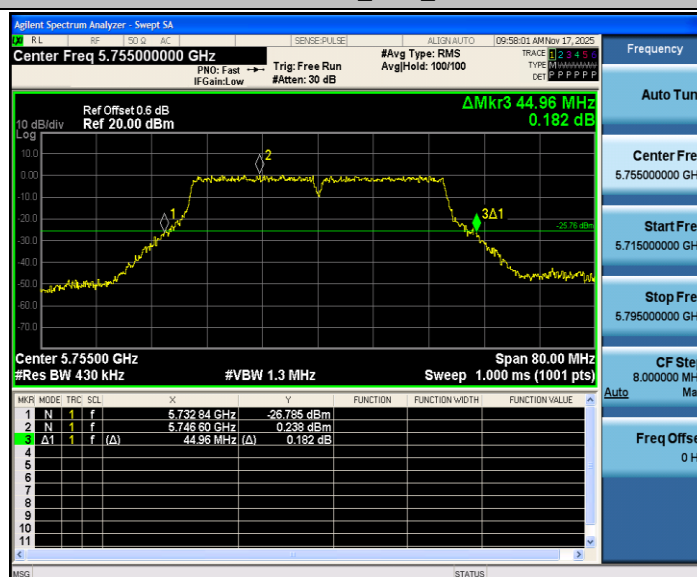
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



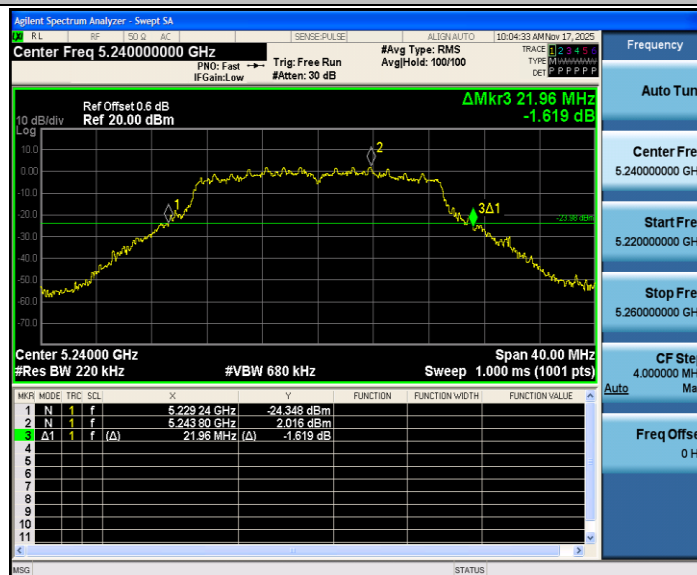
11AC20SISO_Ant1_5180



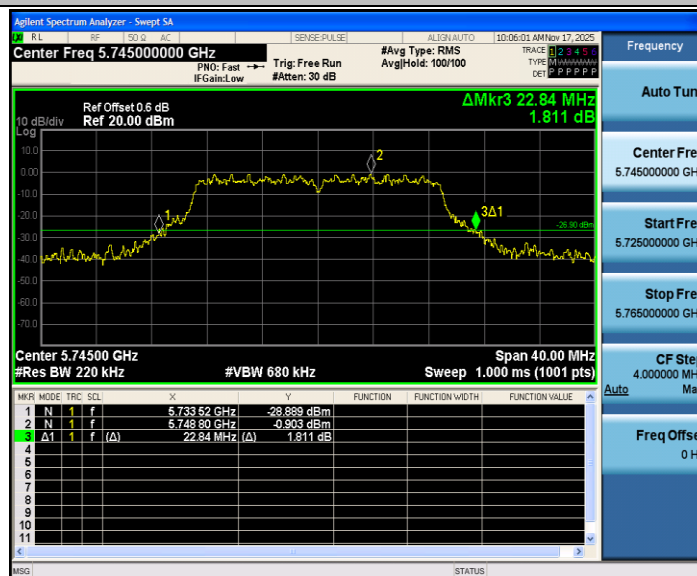
11AC20SISO_Ant1_5220



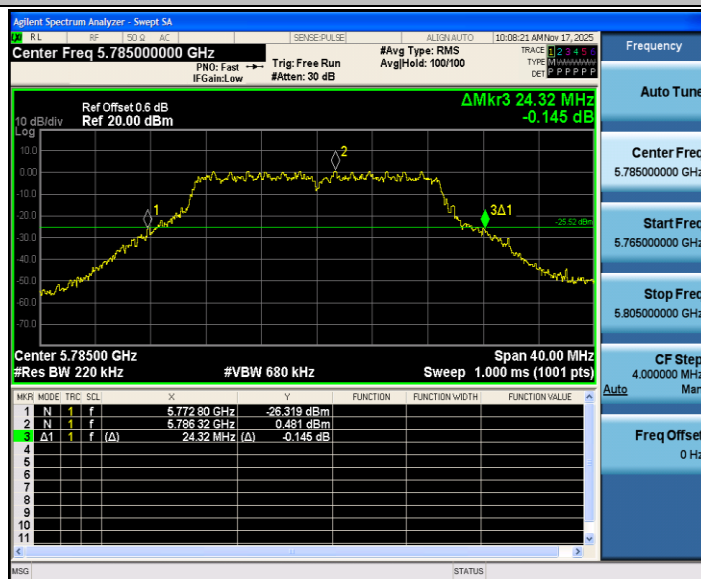
11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



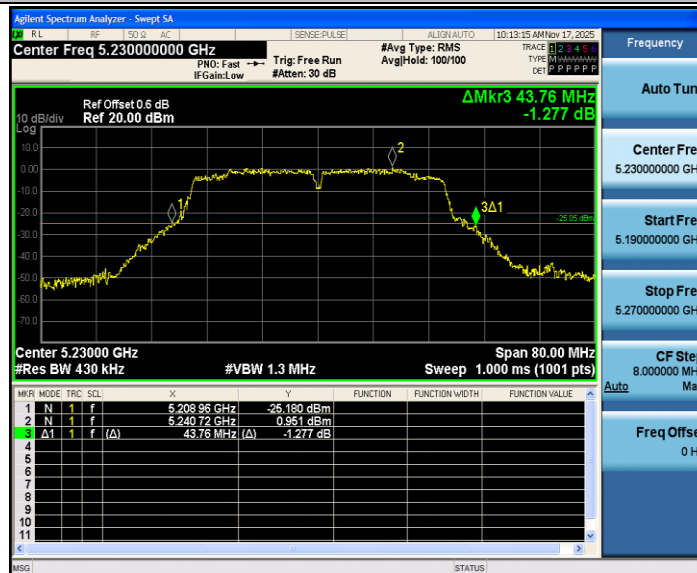
11AC20SISO_Ant1_5825



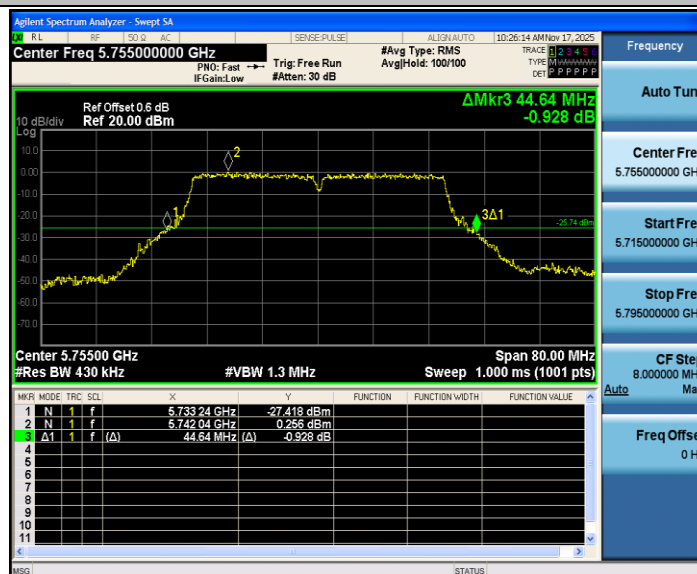
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



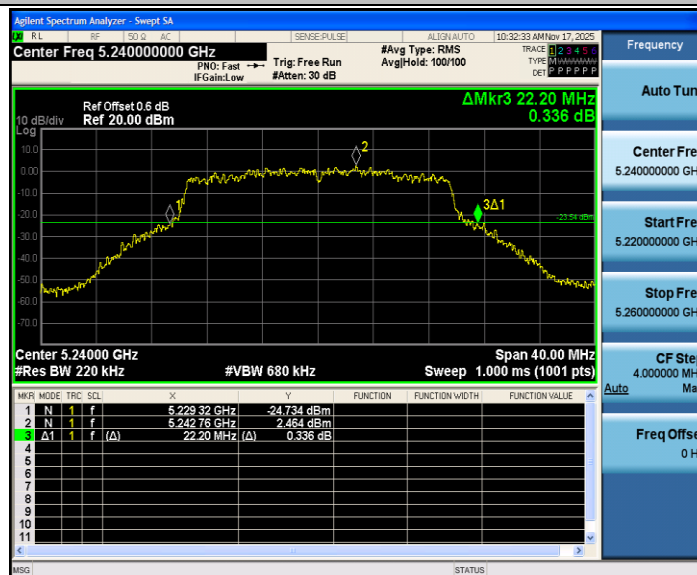
11AX20SISO_Ant1_5180



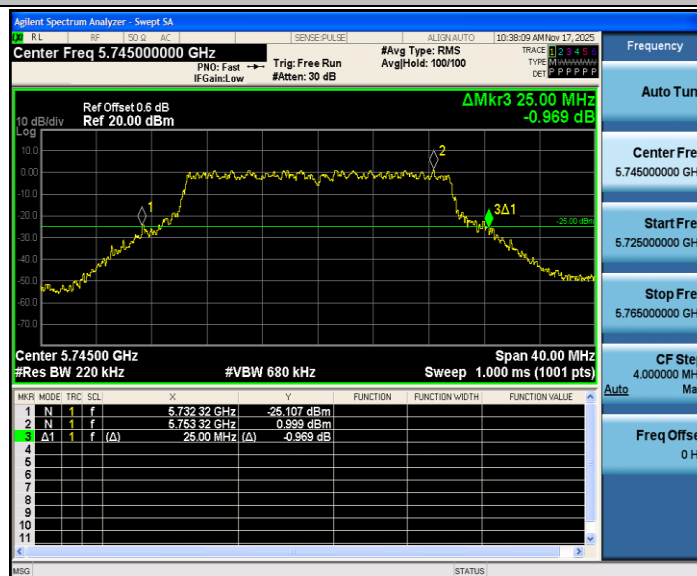
11AX20SISO_Ant1_5220



11AX20SISO_Ant1_5240



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



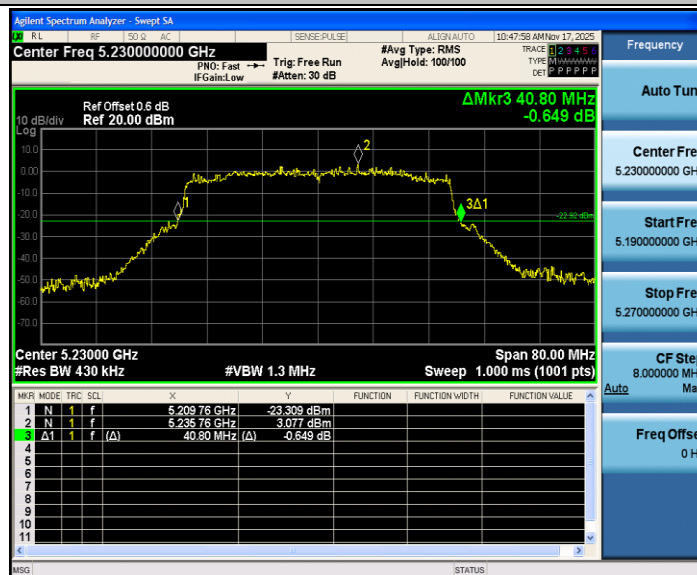
11AX20SISO_Ant1_5825



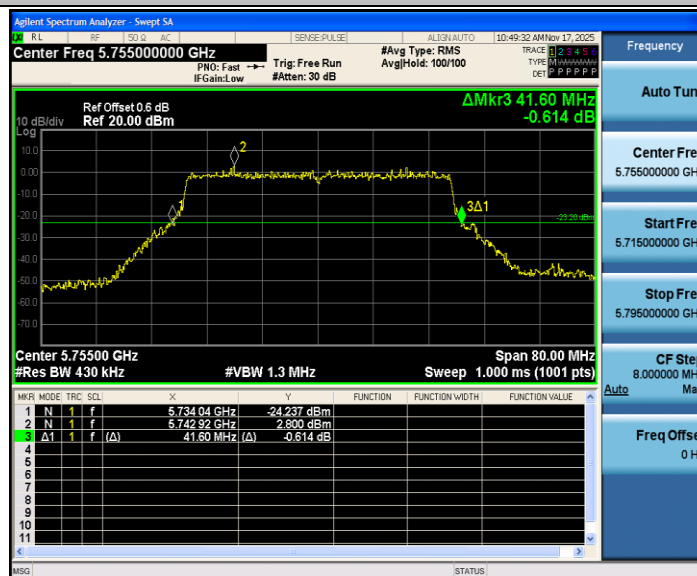
11AX40SISO_Ant1_5190



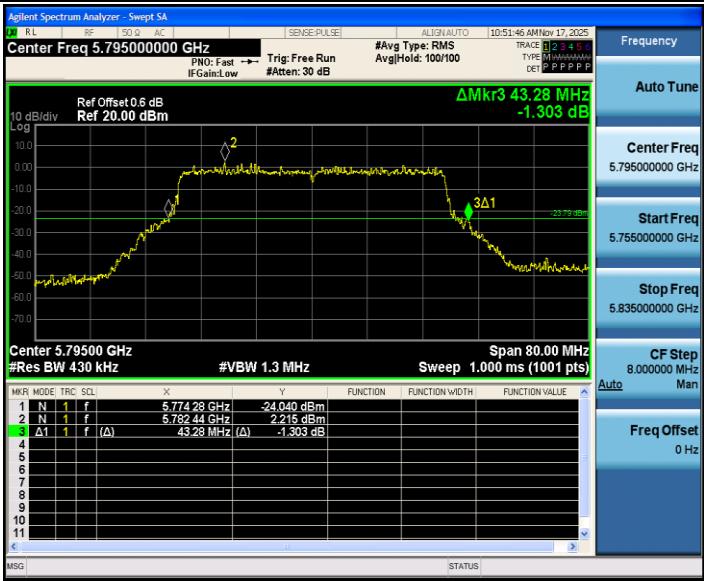
11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



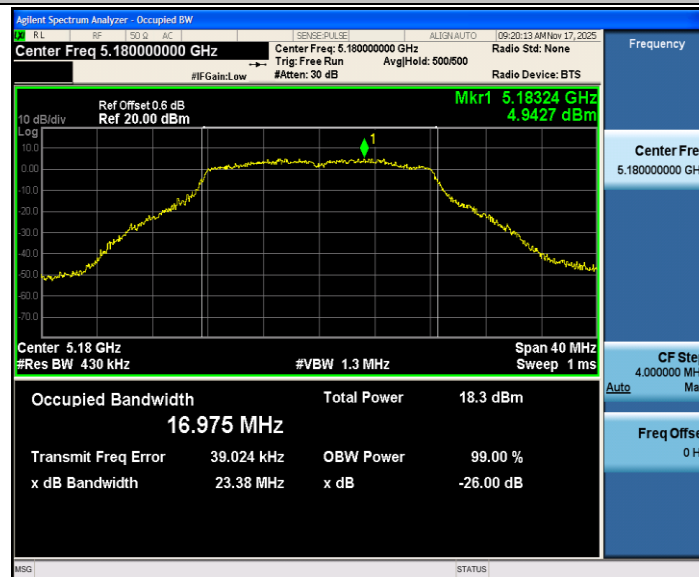
Appendix A2: Occupied channel bandwidth

Test Result

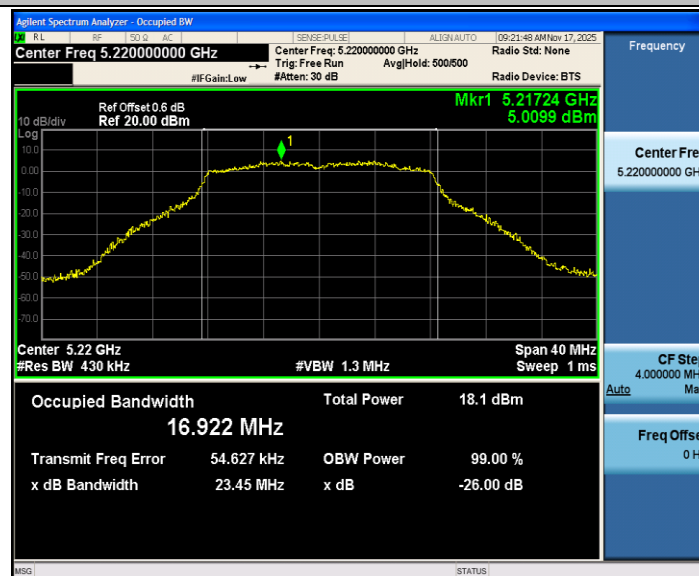
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.975	5171.5515	5188.5265	---	---
		5220	16.922	5211.5936	5228.5156	---	---
		5240	16.941	5231.5778	5248.5188	---	---
		5745	17.238	5736.4170	5753.6550	---	---
		5785	17.245	5776.4044	5793.6494	---	---
		5825	17.299	5816.4156	5833.7146	---	---
11N20SISO	Ant1	5180	18.013	5171.0057	5189.0187	---	---
		5220	18.038	5211.0077	5229.0457	---	---
		5240	18.092	5230.9775	5249.0695	---	---
		5745	18.394	5735.8318	5754.2258	---	---
		5785	18.337	5775.8766	5794.2136	---	---
		5825	18.310	5815.8822	5834.1922	---	---
11N40SISO	Ant1	5190	36.214	5171.9485	5208.1625	---	---
		5230	36.159	5212.0081	5248.1671	---	---
		5755	36.715	5736.7252	5773.4402	---	---
		5795	36.745	5776.7066	5813.4516	---	---
11AC20SISO	Ant1	5180	18.000	5171.0501	5189.0501	---	---
		5220	17.998	5211.0303	5229.0283	---	---
		5240	17.964	5231.0629	5249.0269	---	---
		5745	18.271	5735.8864	5754.1574	---	---
		5785	18.274	5775.8951	5794.1691	---	---
		5825	18.262	5815.8790	5834.1410	---	---
11AC40SISO	Ant1	5190	36.162	5171.9622	5208.1242	---	---
		5230	36.197	5211.9950	5248.1920	---	---
		5755	36.745	5736.6434	5773.3884	---	---
		5795	36.773	5776.6988	5813.4718	---	---
11AX20SISO	Ant1	5180	18.989	5170.5288	5189.5178	---	---
		5220	18.994	5210.5403	5229.5343	---	---
		5240	19.010	5230.5475	5249.5575	---	---
		5745	19.200	5735.4121	5754.6121	---	---
		5785	19.217	5775.4178	5794.6348	---	---
		5825	19.241	5815.4008	5834.6418	---	---
11AX40SISO	Ant1	5190	37.674	5171.2568	5208.9308	---	---
		5230	37.655	5211.2373	5248.8923	---	---
		5755	38.112	5736.0128	5774.1248	---	---
		5795	38.097	5776.0368	5814.1338	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



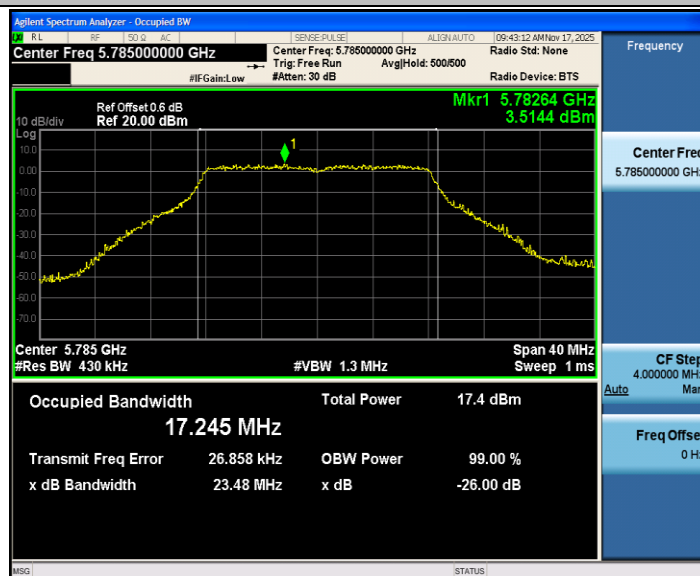
11A_Ant1_5240



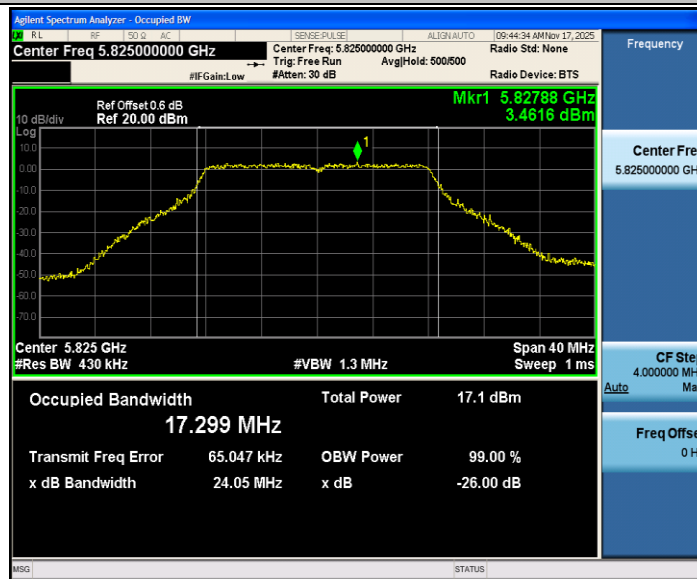
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



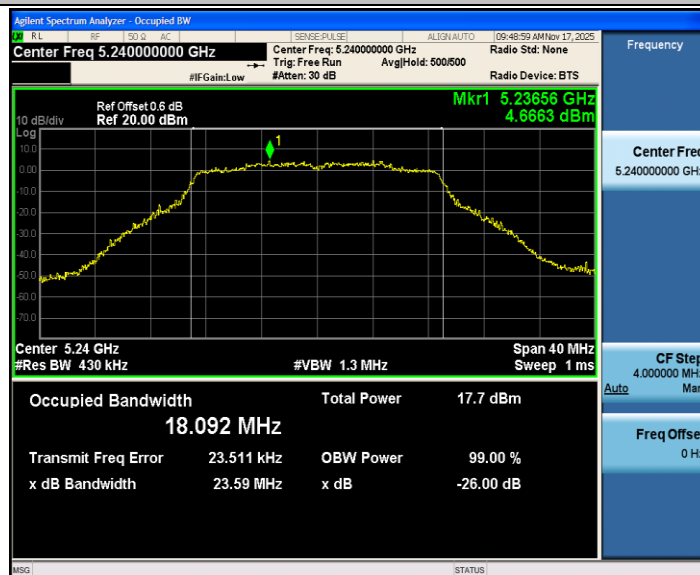
11N20SISO_Ant1_5180



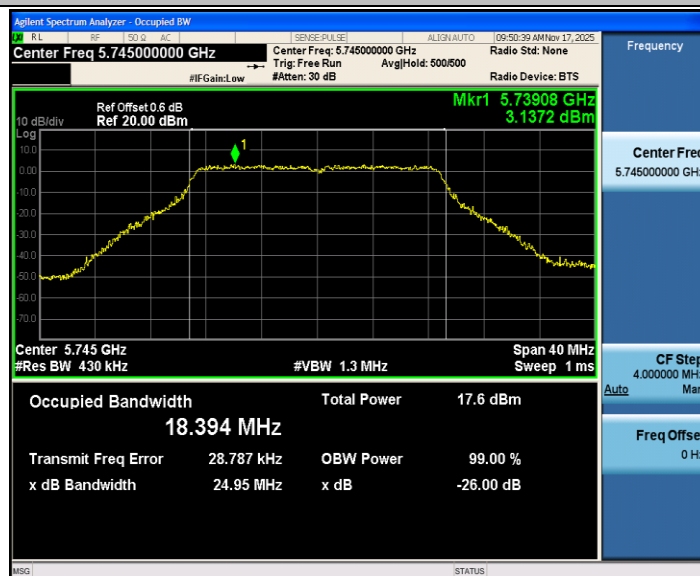
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



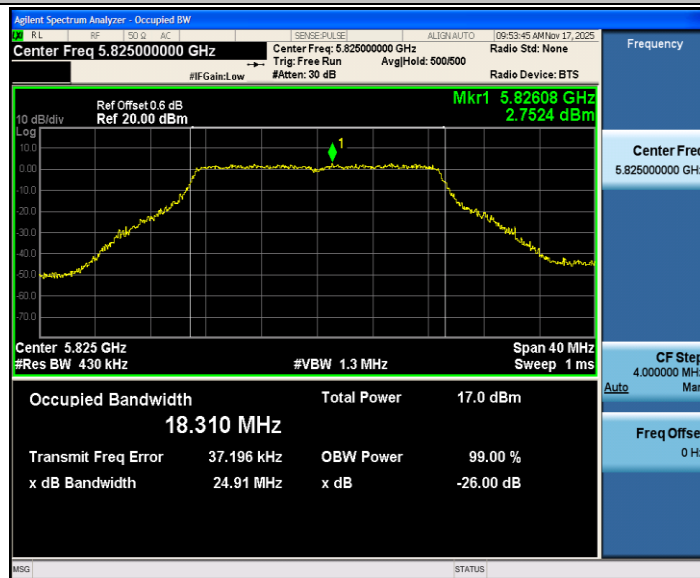
11N20SISO_Ant1_5745



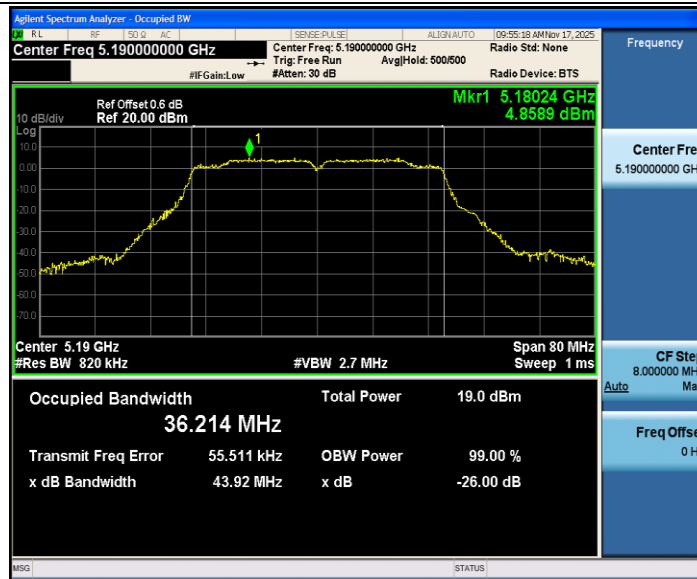
11N20SISO_Ant1_5785



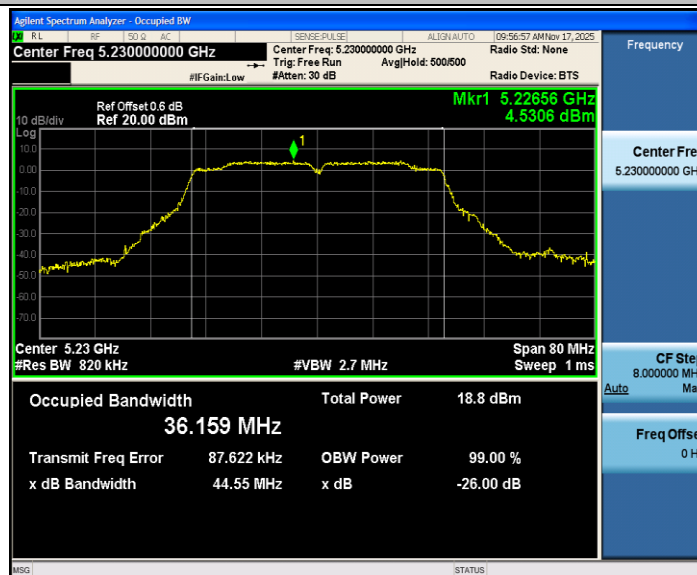
11N20SISO_Ant1_5825



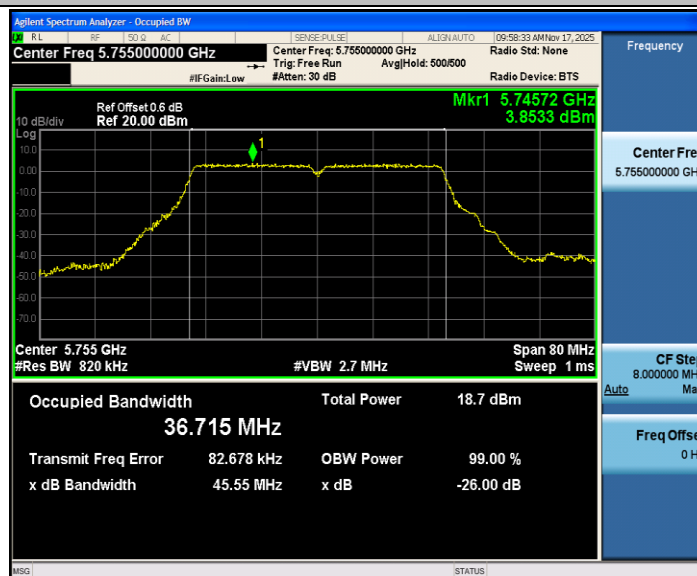
11N40SISO_Ant1_5190



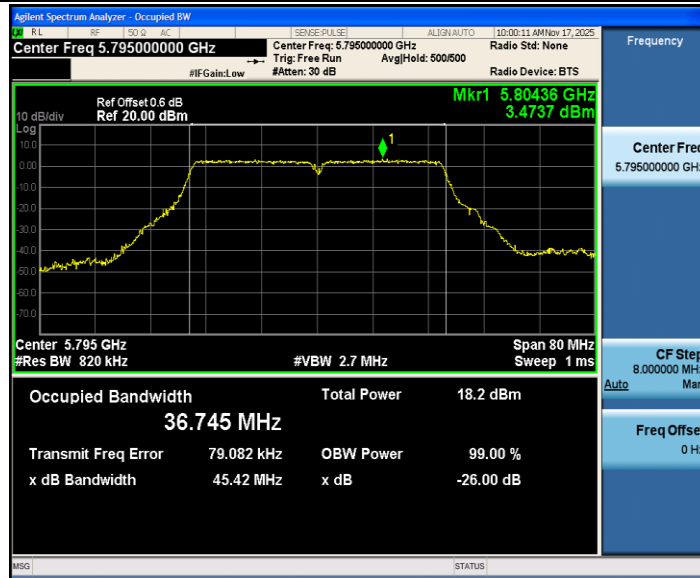
11N40SISO_Ant1_5230



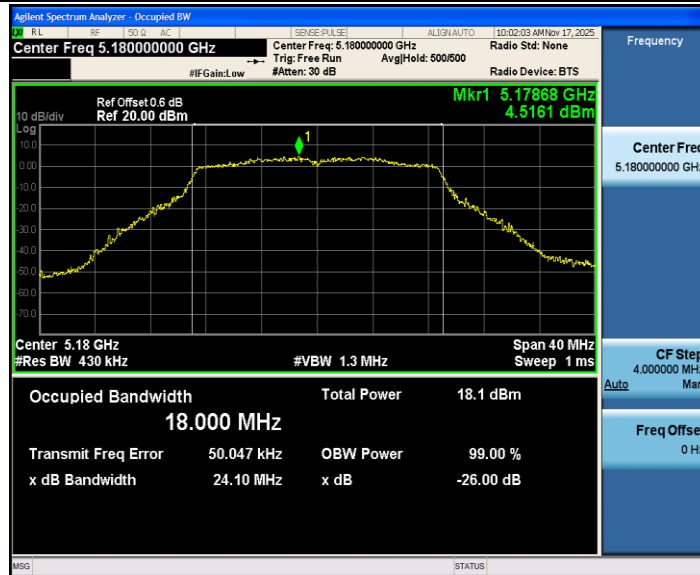
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



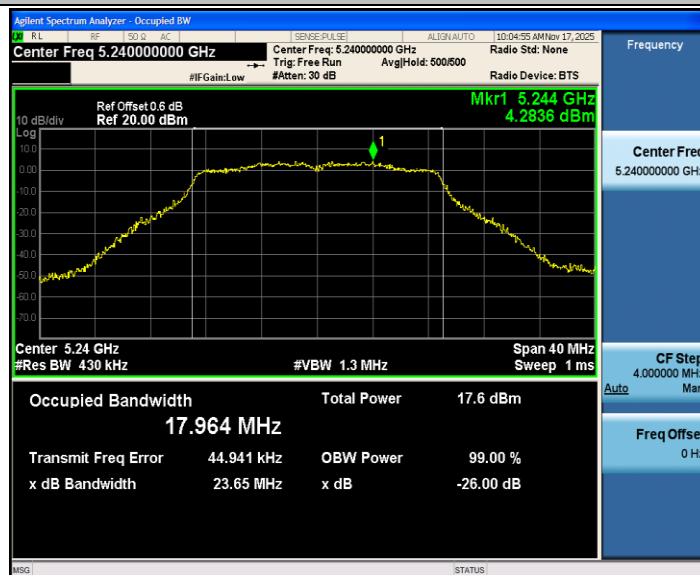
11AC20SISO_Ant1_5180



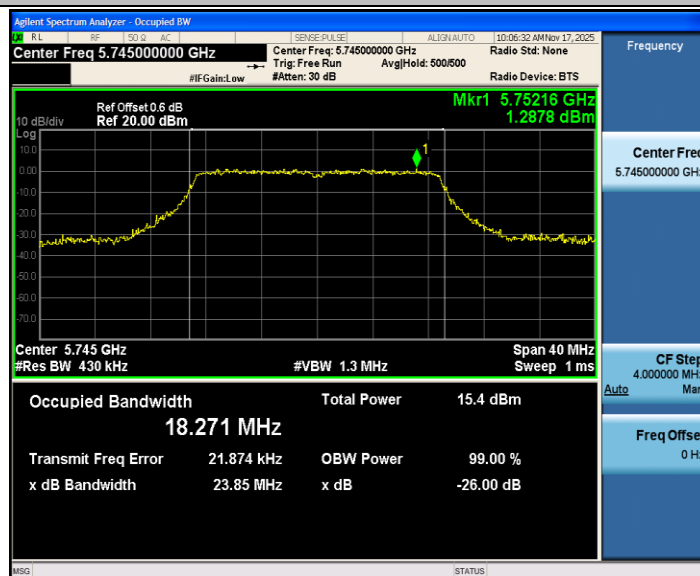
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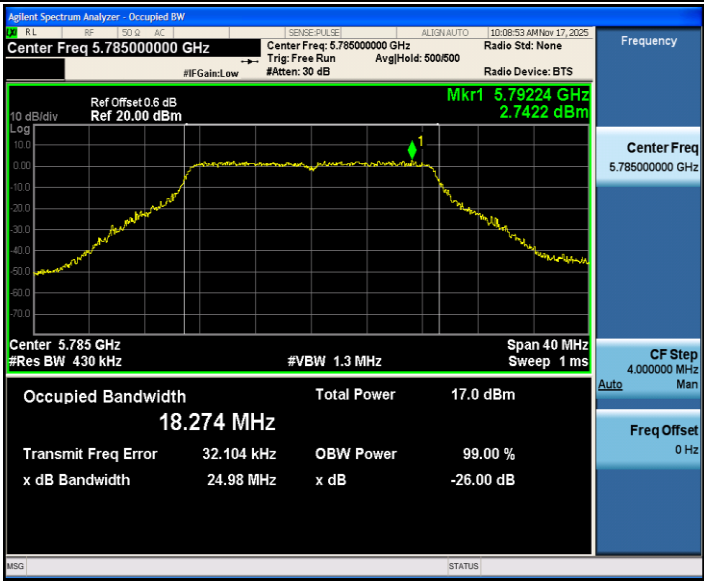
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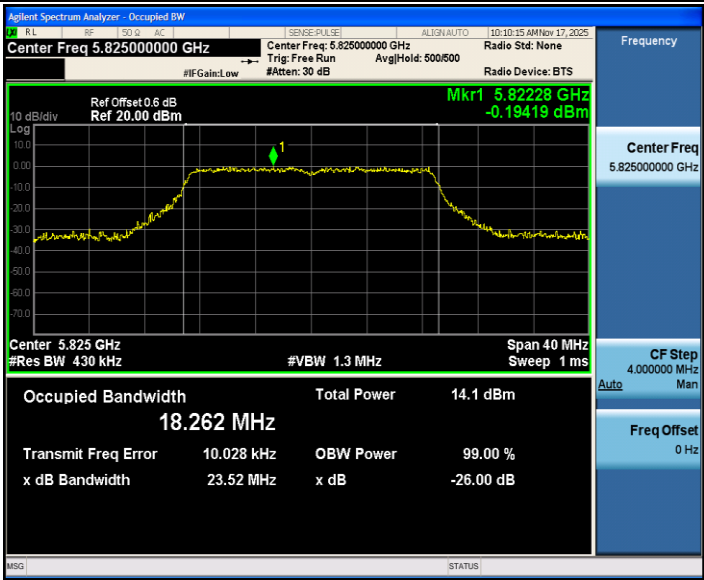
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



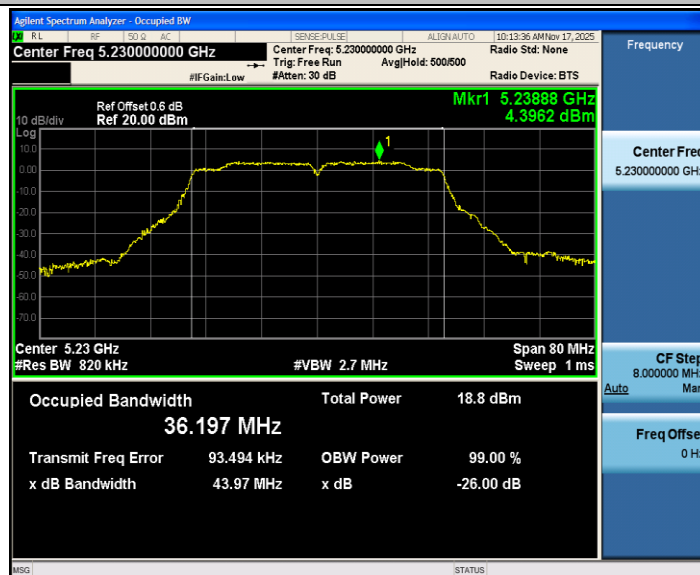
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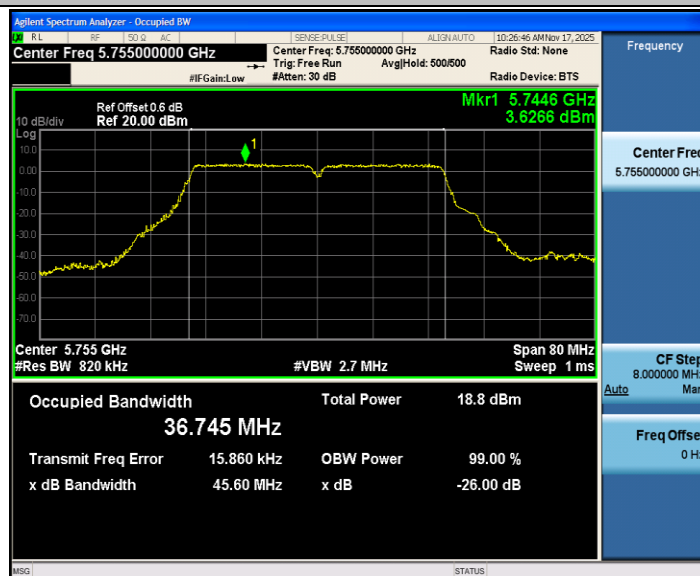
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



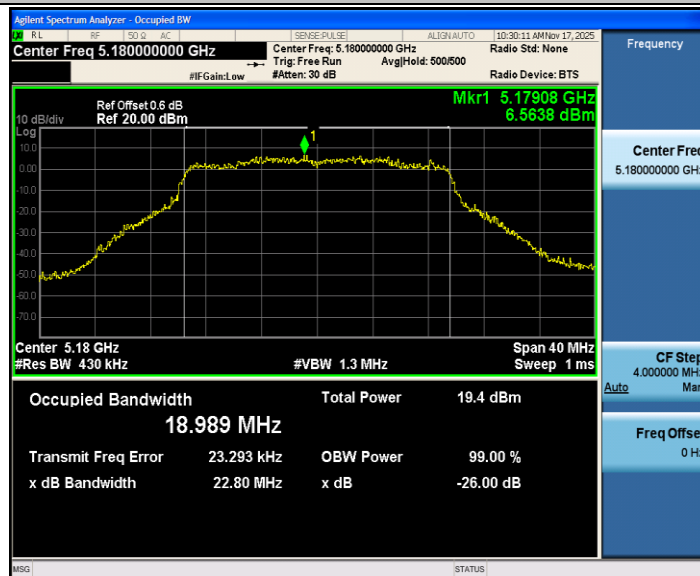
11AC40SISO_Ant1_5755



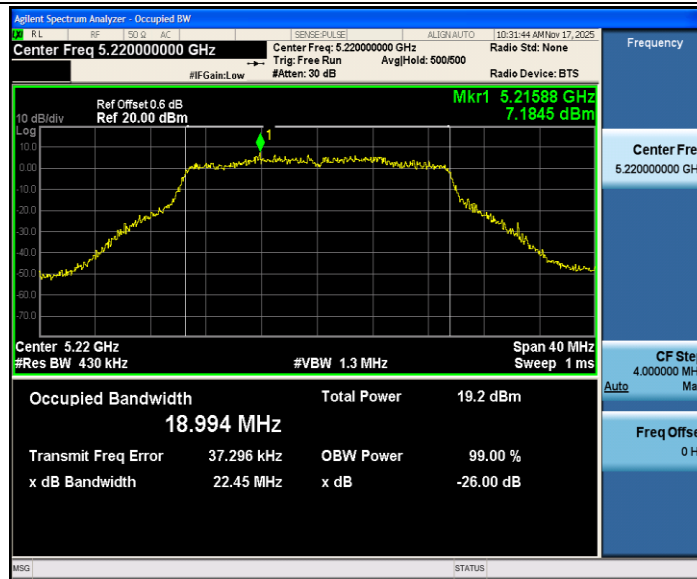
11AC40SISO_Ant1_5795



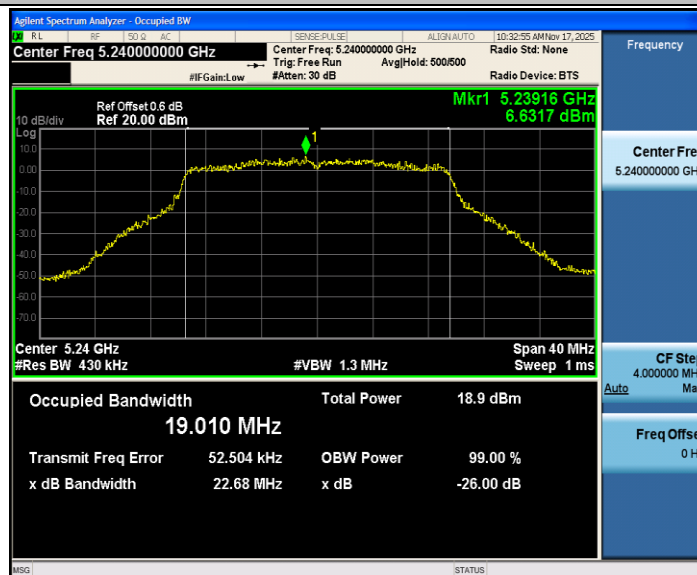
11AX20SISO_Ant1_5180



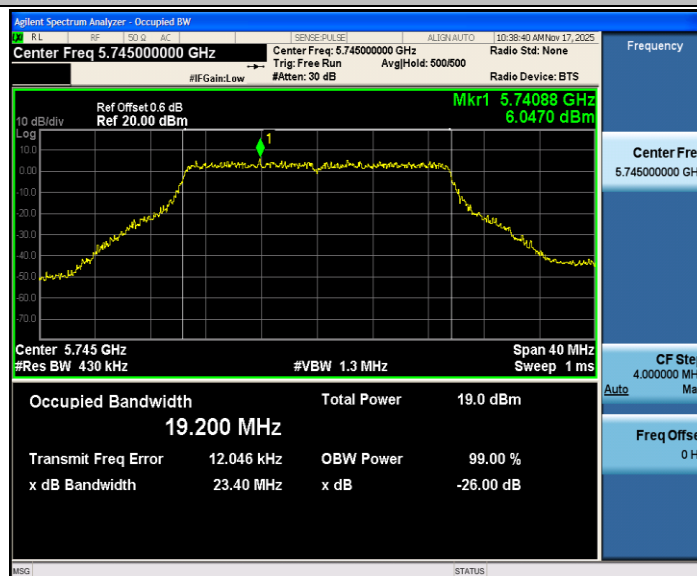
11AX20SISO_Ant1_5220



11AX20SISO_Ant1_5240



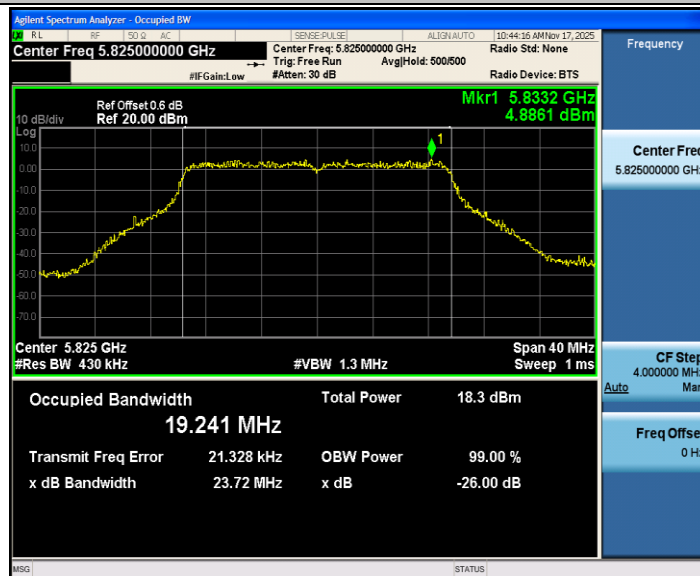
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5190