

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2A6P9-WCASQ1

Company : Promaster Electronic LLC

EUT : Wireless CP&AA adaptor

Model Number : WCA-SQ1

Report No. : CTA25092701304

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	21.760	5169.240	5191.000	---	---
		5220	22.080	5209.040	5231.120	---	---
		5240	22.480	5228.960	5251.440	---	---
		5745	22.920	5733.480	5756.400	---	---
		5785	23.000	5773.640	5796.640	---	---
		5825	24.280	5812.800	5837.080	---	---
11N20SISO	Ant1	5180	21.520	5169.320	5190.840	---	---
		5220	22.080	5209.160	5231.240	---	---
		5240	22.280	5229.360	5251.640	---	---
		5745	23.280	5733.360	5756.640	---	---
		5785	23.760	5773.360	5797.120	---	---
		5825	24.400	5812.760	5837.160	---	---
11N40SISO	Ant1	5190	44.160	5168.560	5212.720	---	---
		5230	41.920	5209.120	5251.040	---	---
		5755	44.640	5733.080	5777.720	---	---
		5795	44.800	5773.080	5817.880	---	---
11AC20SISO	Ant1	5180	22.160	5168.760	5190.920	---	---
		5220	21.920	5209.120	5231.040	---	---
		5240	22.720	5228.520	5251.240	---	---
		5745	23.040	5733.480	5756.520	---	---
		5785	22.920	5773.480	5796.400	---	---
		5825	23.280	5813.080	5836.360	---	---
11AC40SISO	Ant1	5190	42.720	5168.800	5211.520	---	---
		5230	42.320	5209.120	5251.440	---	---
		5755	45.120	5732.760	5777.880	---	---
		5795	44.640	5773.320	5817.960	---	---
11AX20SISO	Ant1	5180	22.400	5168.880	5191.280	---	---
		5220	22.640	5209.080	5231.720	---	---
		5240	23.120	5228.640	5251.760	---	---
		5745	23.720	5733.000	5756.720	---	---
		5785	23.640	5772.560	5796.200	---	---
		5825	23.920	5813.240	5837.160	---	---
11AX40SISO	Ant1	5190	41.040	5169.760	5210.800	---	---
		5230	42.320	5209.440	5251.760	---	---
		5755	42.960	5733.560	5776.520	---	---
		5795	42.160	5774.520	5816.680	---	---

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



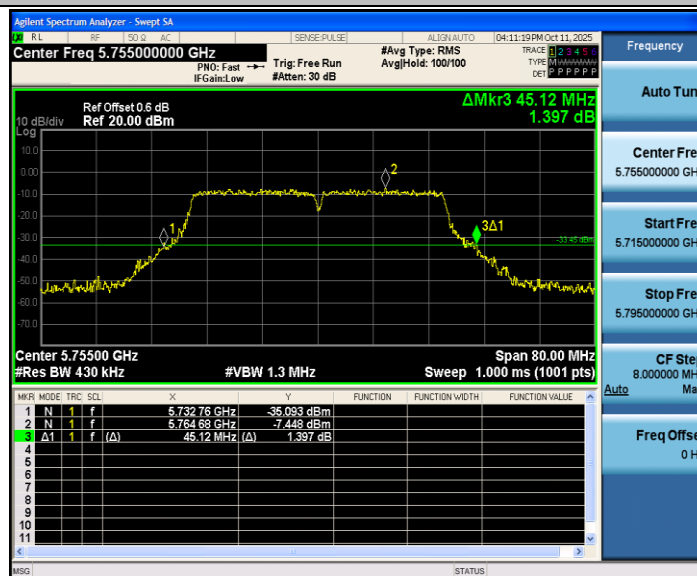
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11AC40SISO_Ant1_5230



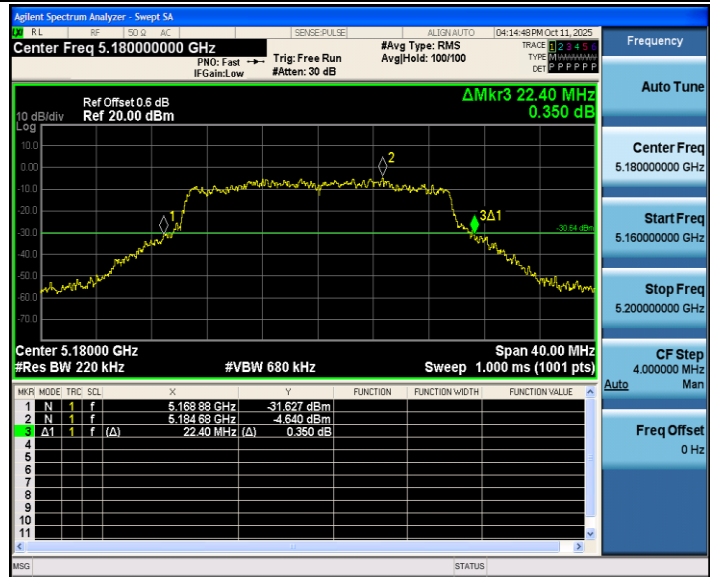
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11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5180



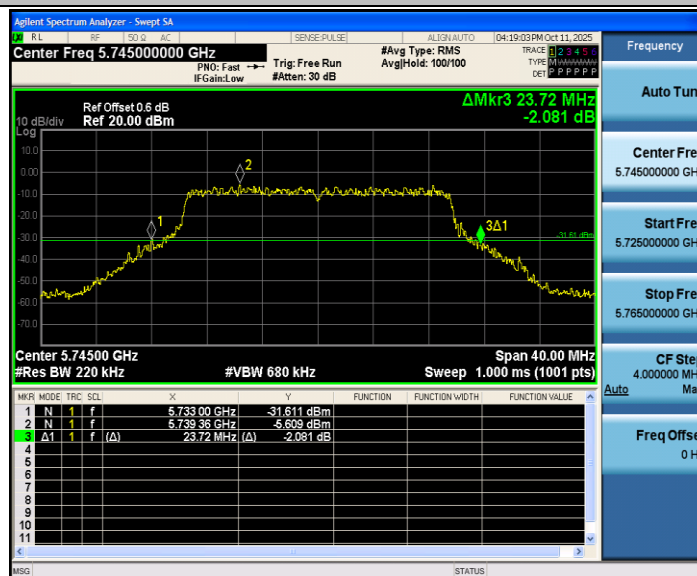
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11AX20SISO_Ant1_5240



11AX20SISO_Ant1_5745



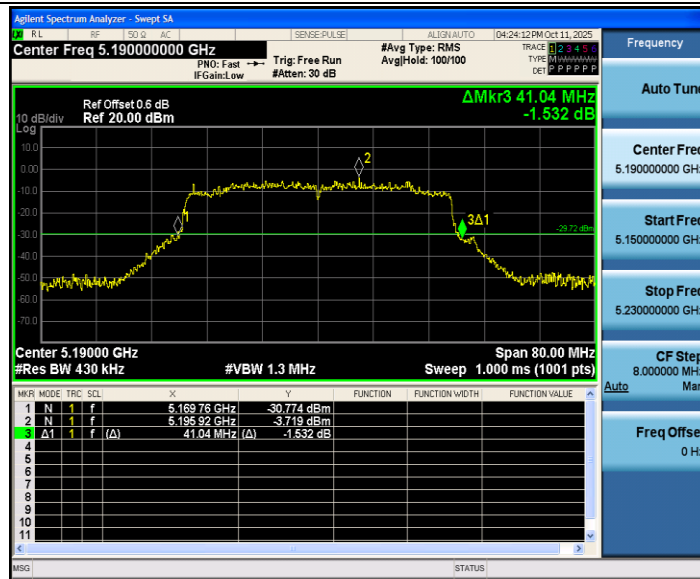
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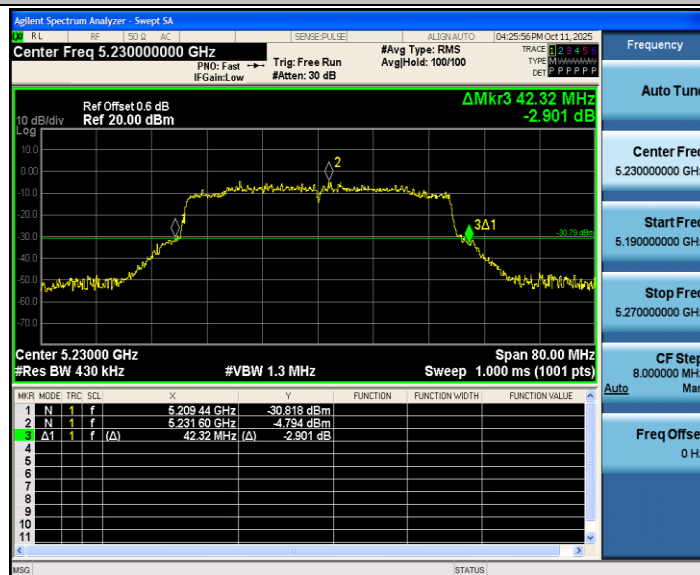
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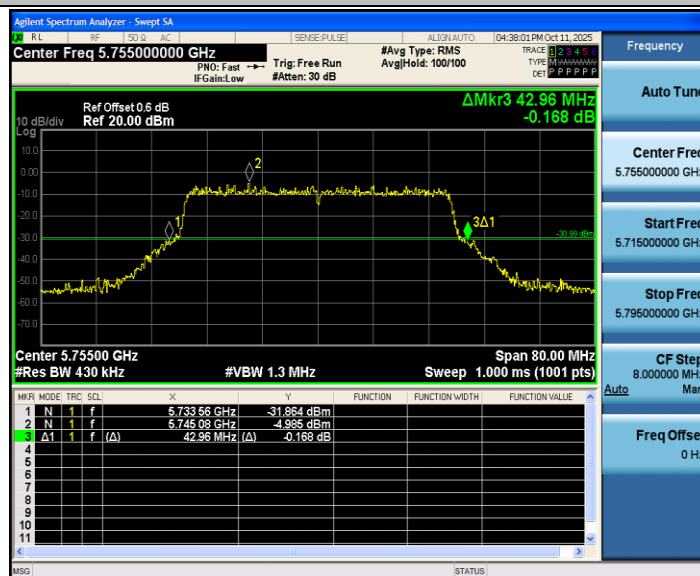
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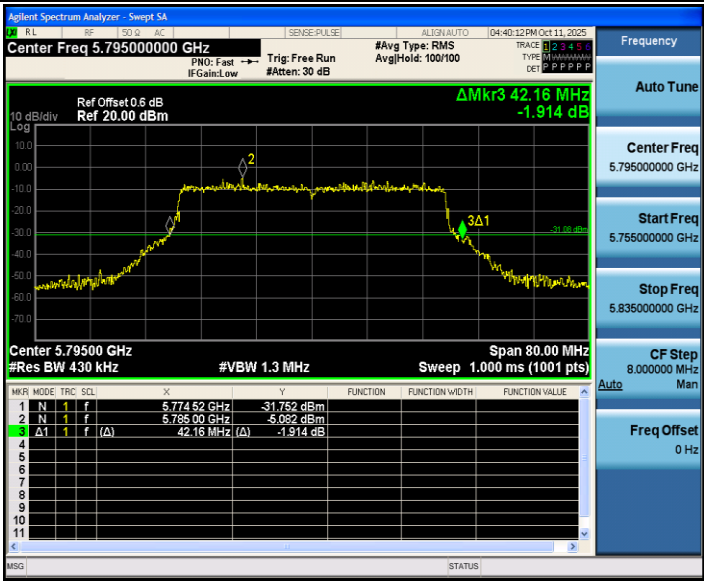
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11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

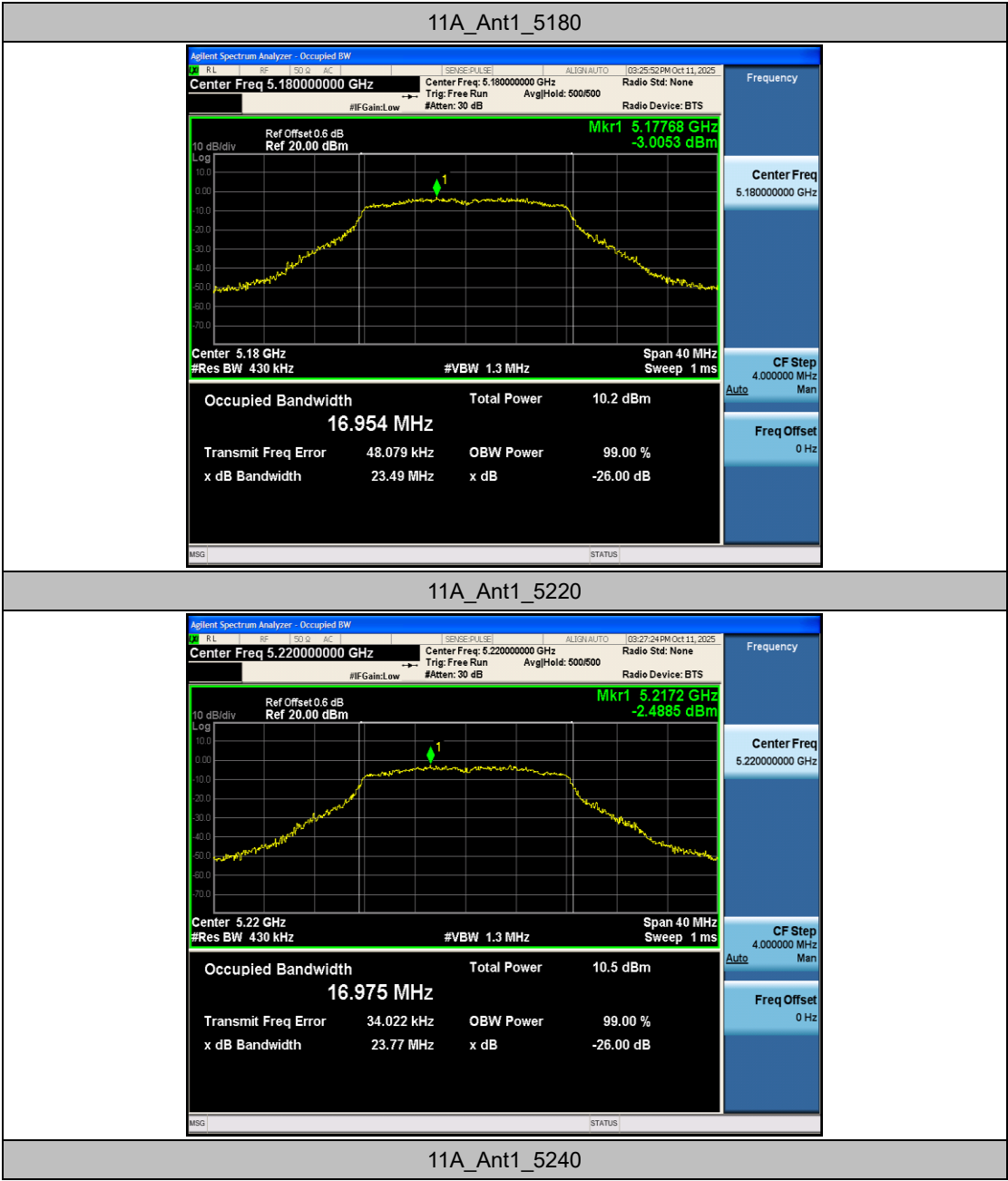


Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.954	5171.5711	5188.5251	---	---
		5220	16.975	5211.5465	5228.5215	---	---
		5240	16.952	5231.6374	5248.5894	---	---
		5745	17.336	5736.3563	5753.6923	---	---
		5785	17.249	5776.4036	5793.6526	---	---
		5825	17.216	5816.4637	5833.6797	---	---
11N20SISO	Ant1	5180	17.993	5171.0636	5189.0566	---	---
		5220	18.001	5211.0444	5229.0454	---	---
		5240	18.058	5231.0325	5249.0905	---	---
		5745	18.353	5735.8258	5754.1788	---	---
		5785	18.338	5775.8499	5794.1879	---	---
		5825	18.358	5815.8409	5834.1989	---	---
11N40SISO	Ant1	5190	36.258	5171.9681	5208.2261	---	---
		5230	36.250	5211.9398	5248.1898	---	---
		5755	36.764	5736.6839	5773.4479	---	---
		5795	36.836	5776.6963	5813.5323	---	---
11AC20SISO	Ant1	5180	17.962	5171.0624	5189.0244	---	---
		5220	17.995	5211.0278	5229.0228	---	---
		5240	18.017	5231.0551	5249.0721	---	---
		5745	18.387	5735.8197	5754.2067	---	---
		5785	18.371	5775.8436	5794.2146	---	---
		5825	18.348	5815.8782	5834.2262	---	---
11AC40SISO	Ant1	5190	36.168	5171.9859	5208.1539	---	---
		5230	36.208	5211.9751	5248.1831	---	---
		5755	36.712	5736.7309	5773.4429	---	---
		5795	36.715	5776.7443	5813.4593	---	---
11AX20SISO	Ant1	5180	18.985	5170.5403	5189.5253	---	---
		5220	18.985	5210.5651	5229.5501	---	---
		5240	18.958	5230.5646	5249.5226	---	---
		5745	19.209	5735.4169	5754.6259	---	---
		5785	19.193	5775.4248	5794.6178	---	---
		5825	19.272	5815.3890	5834.6610	---	---
11AX40SISO	Ant1	5190	37.751	5171.2393	5208.9903	---	---
		5230	37.629	5211.2912	5248.9202	---	---
		5755	38.040	5736.0782	5774.1182	---	---
		5795	38.080	5776.0229	5814.1029	---	---

Test Graphs

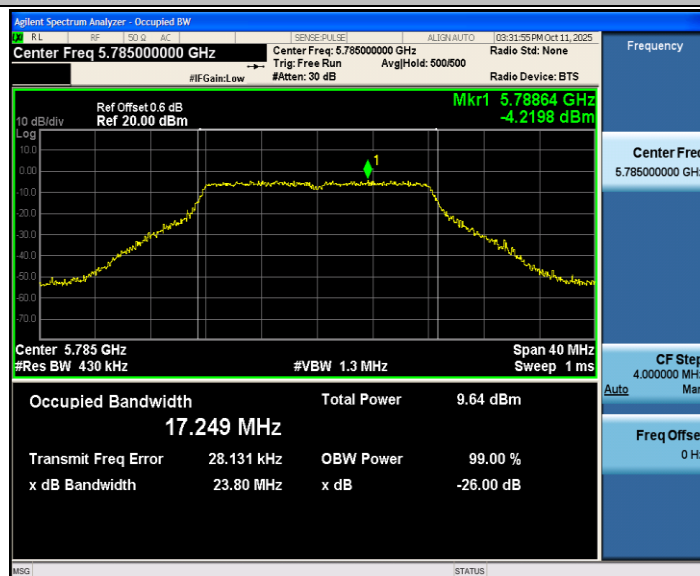




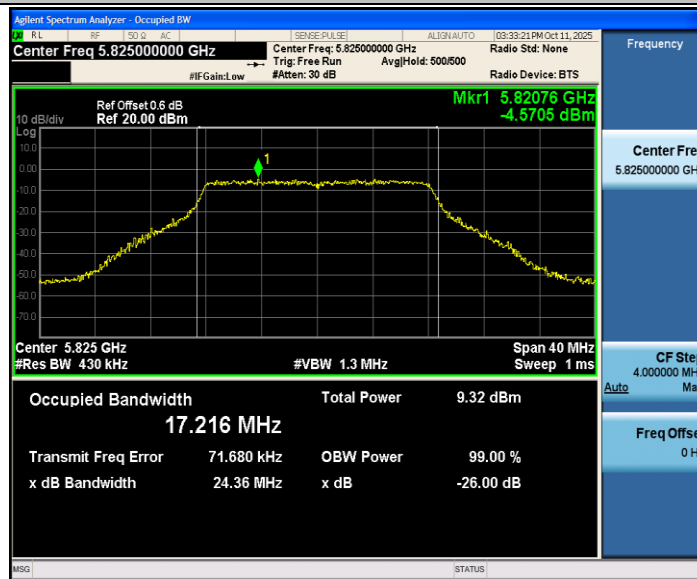
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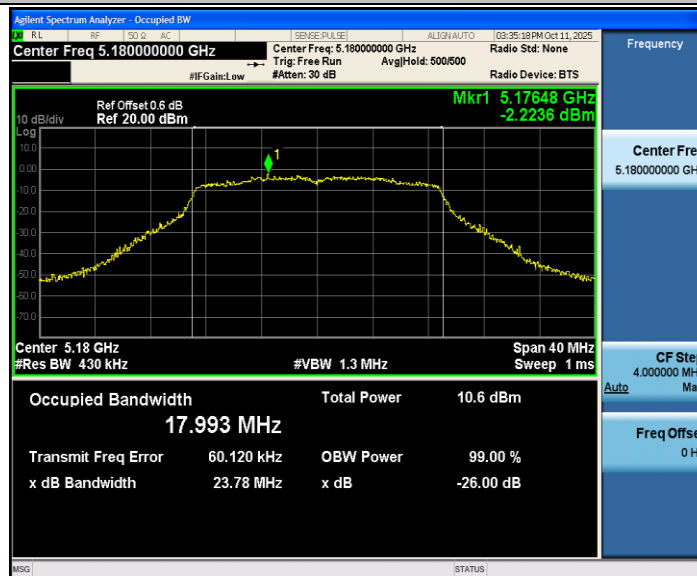
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



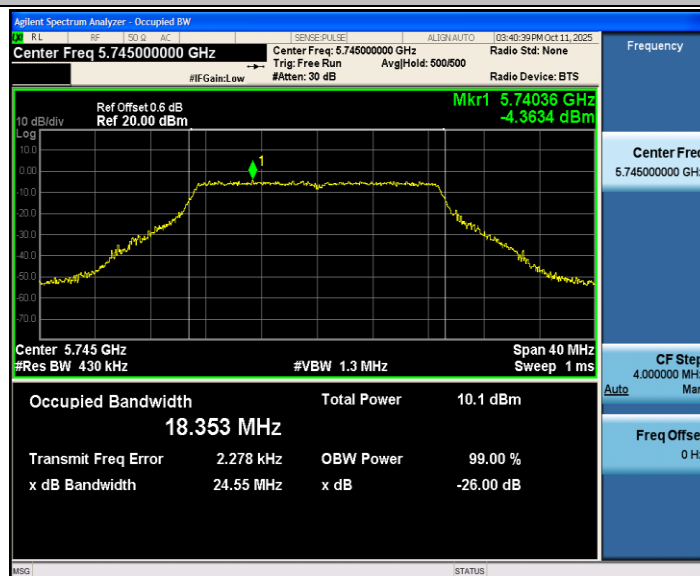
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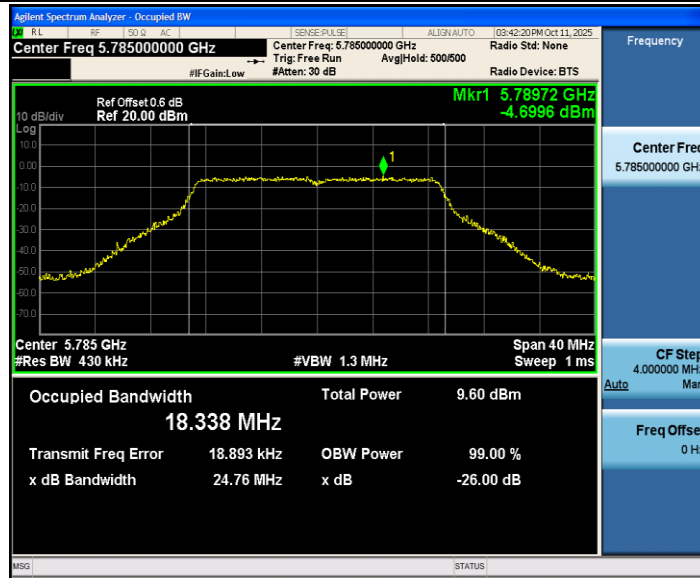
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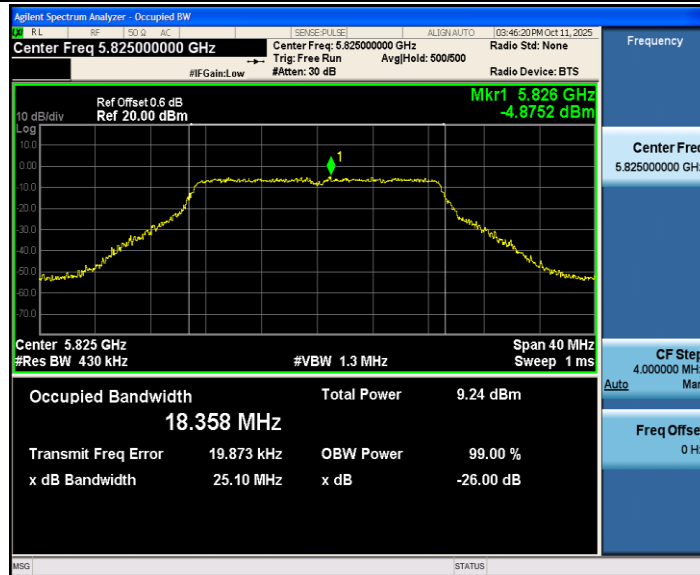
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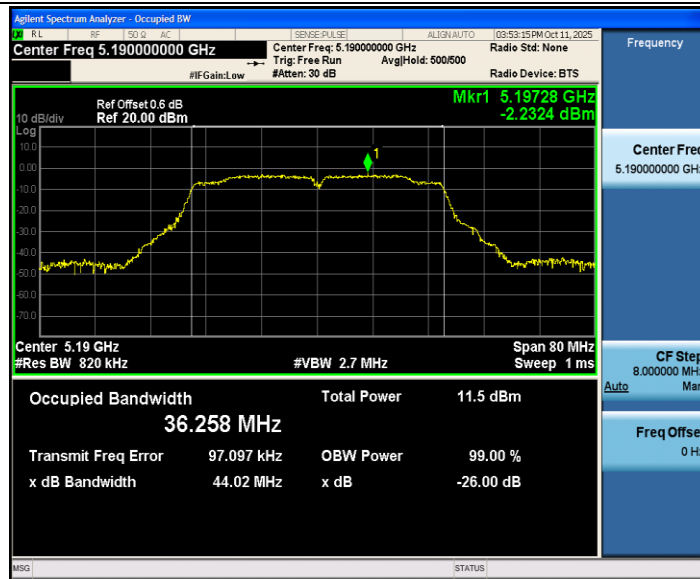
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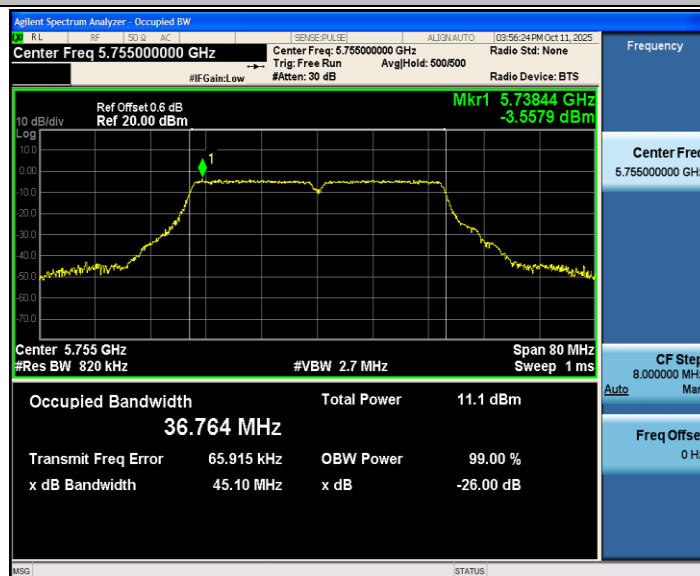
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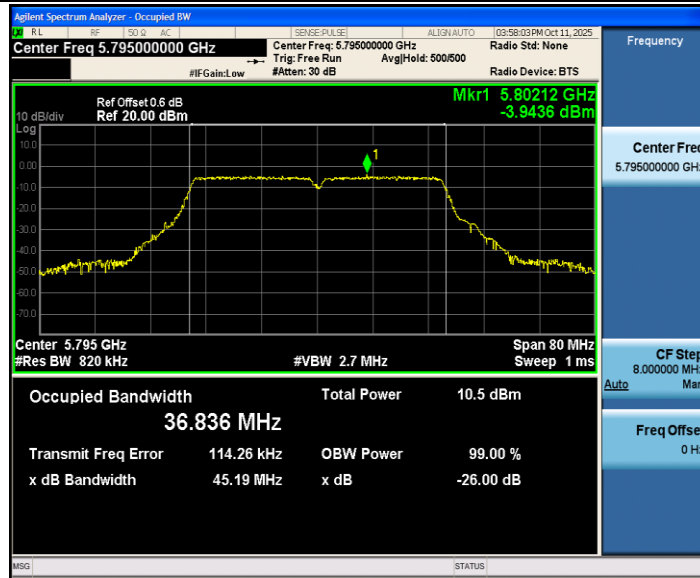
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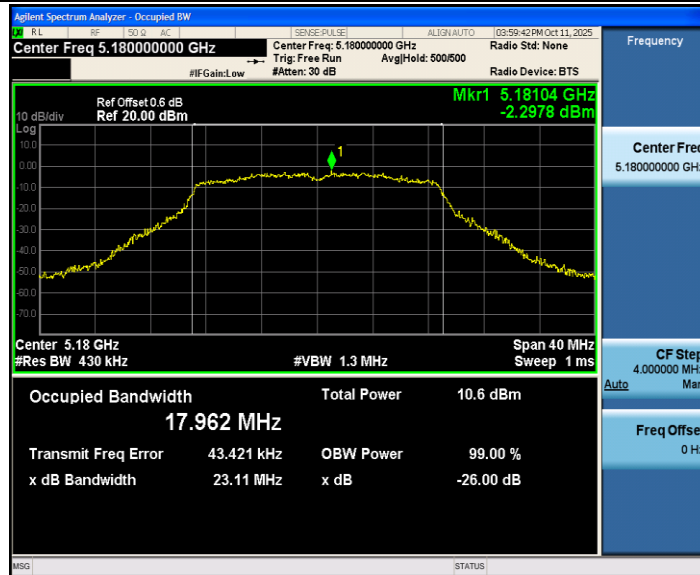
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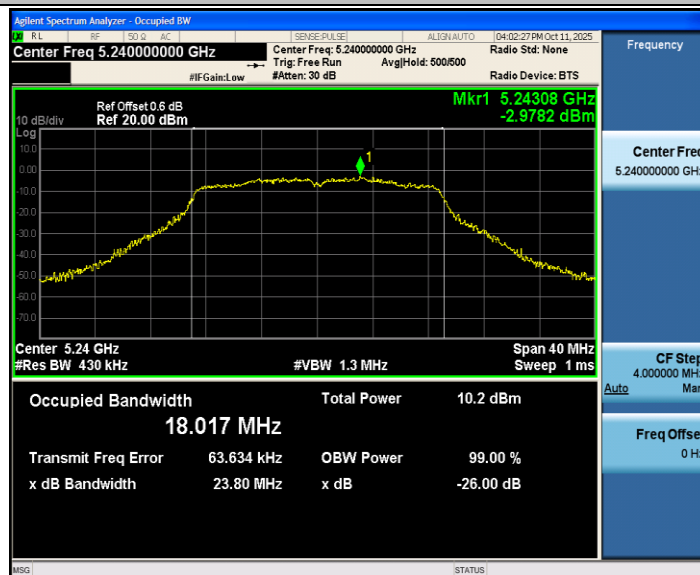
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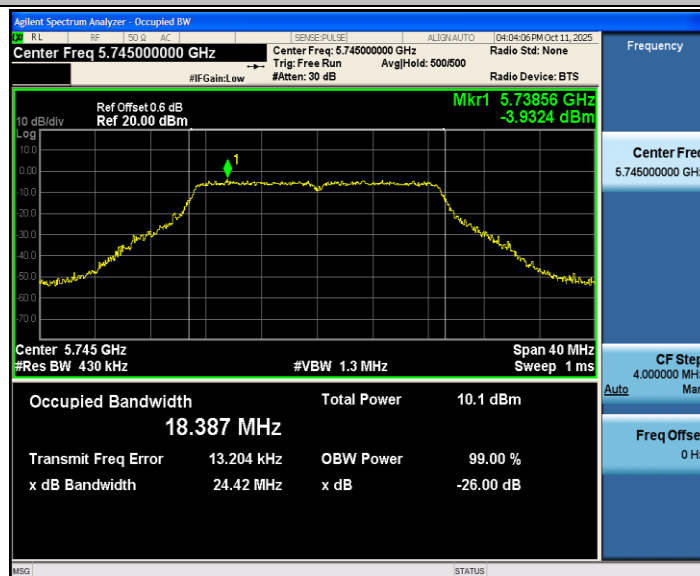
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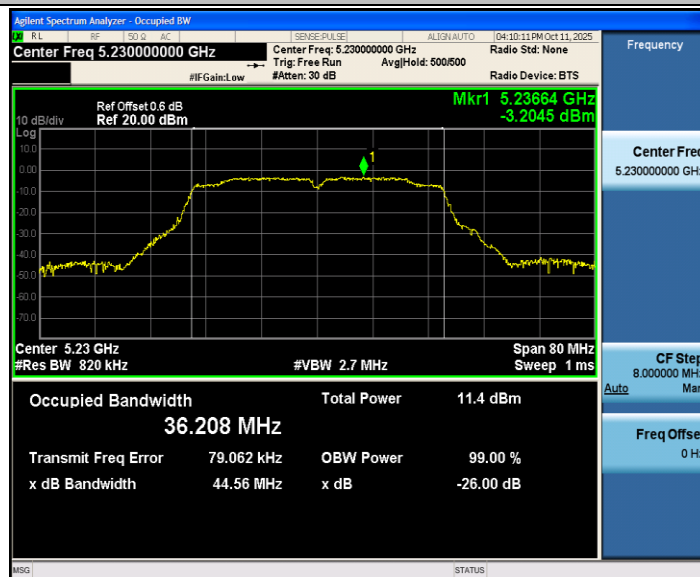
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11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755

