

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2BTTF-R1012Y
Company : OPTIKA S.R.L
EUT : Tablet PC
Model Number : R1012Y
Report No. : CTA25112501404
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	22.440	5168.680	5191.120	---	---
		5220	22.240	5209.280	5231.520	---	---
		5240	22.080	5229.040	5251.120	---	---
		5745	23.320	5733.720	5757.040	---	---
		5785	23.240	5773.520	5796.760	---	---
		5825	23.560	5813.320	5836.880	---	---
11N20SISO	Ant1	5180	22.320	5168.720	5191.040	---	---
		5220	22.560	5208.720	5231.280	---	---
		5240	21.840	5229.240	5251.080	---	---
		5745	23.080	5733.680	5756.760	---	---
		5785	23.040	5773.560	5796.600	---	---
		5825	23.200	5813.520	5836.720	---	---
11N40SISO	Ant1	5190	43.200	5168.560	5211.760	---	---
		5230	42.400	5208.560	5250.960	---	---
		5755	44.880	5733.000	5777.880	---	---
		5795	43.520	5774.200	5817.720	---	---
11AC20SISO	Ant1	5180	22.440	5168.840	5191.280	---	---
		5220	22.640	5209.080	5231.720	---	---
		5240	22.200	5229.000	5251.200	---	---
		5745	23.200	5733.480	5756.680	---	---
		5785	23.320	5773.480	5796.800	---	---
		5825	23.360	5813.240	5836.600	---	---
11AC40SISO	Ant1	5190	43.040	5168.400	5211.440	---	---
		5230	41.600	5209.120	5250.720	---	---
		5755	43.520	5733.080	5776.600	---	---
		5795	44.640	5773.080	5817.720	---	---
11AC80SISO	Ant1	5210	82.880	5168.720	5251.600	---	---
		5775	84.320	5732.440	5816.760	---	---

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



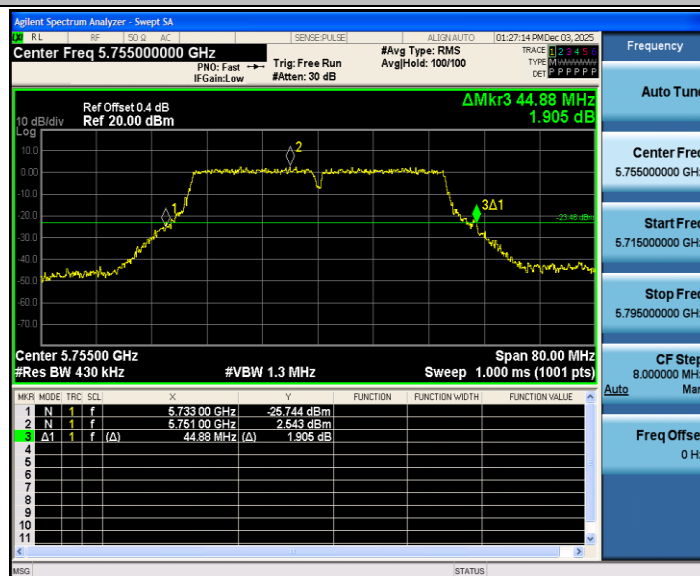
11N40SISO_Ant1_5190



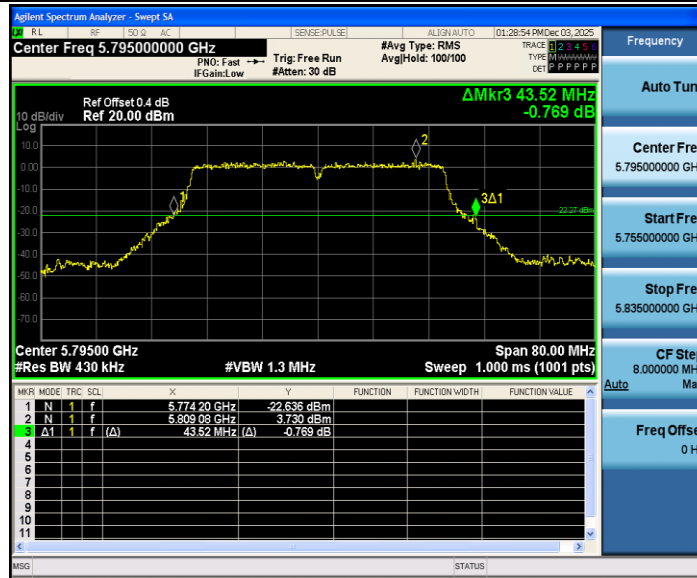
11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5220



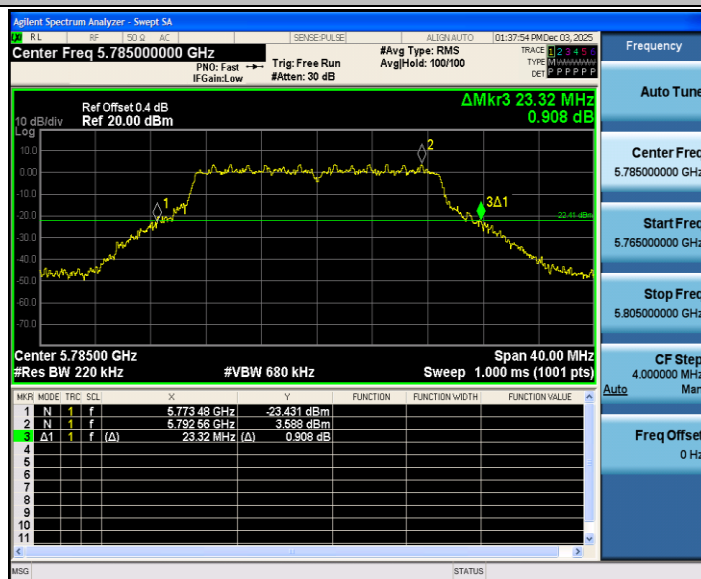
11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



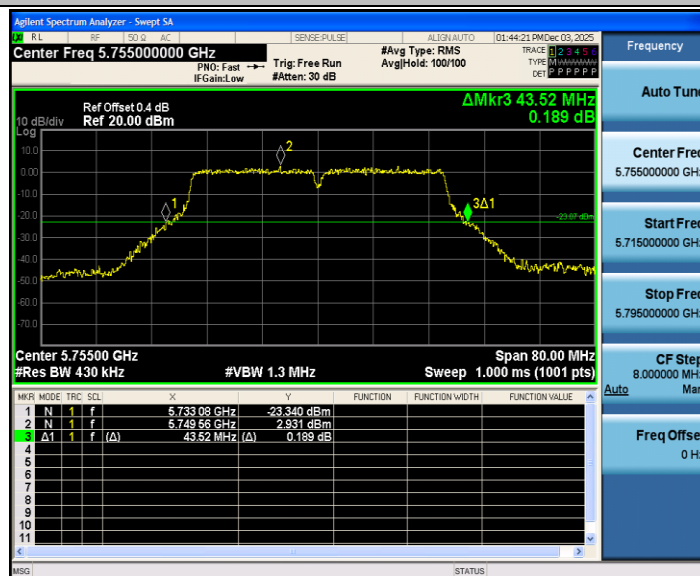
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



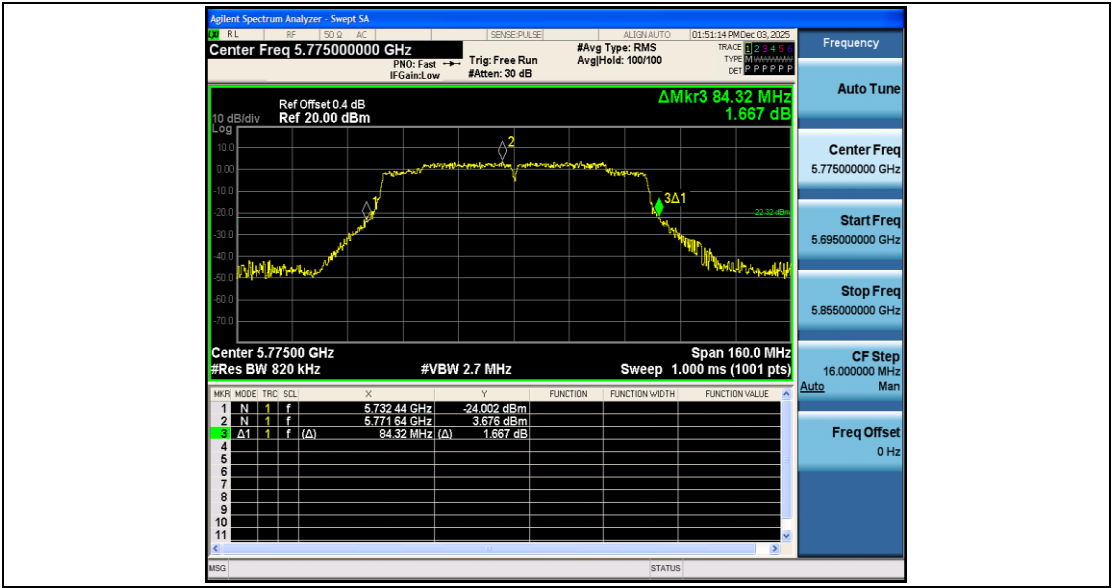
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



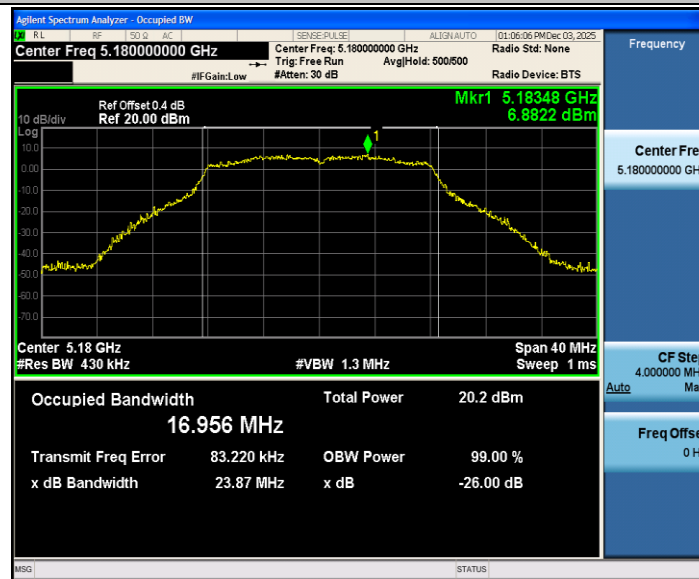
Appendix A2: Occupied channel bandwidth

Test Result

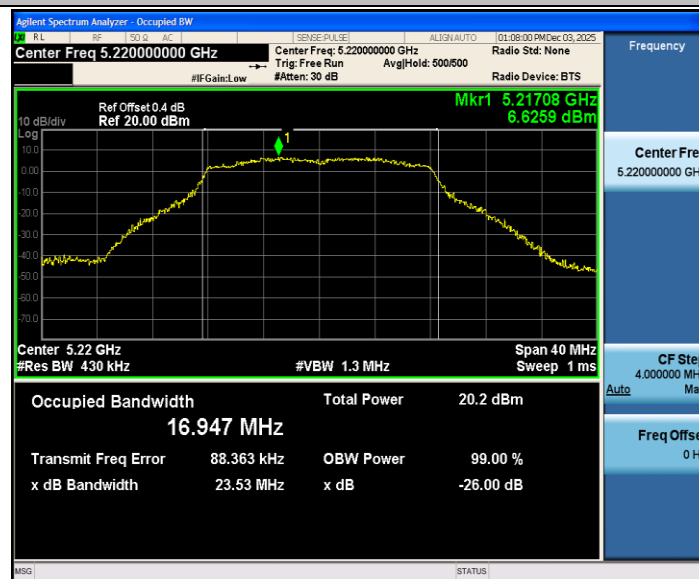
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.956	5171.6052	5188.5612	---	---
		5220	16.947	5211.6149	5228.5619	---	---
		5240	16.931	5231.6221	5248.5531	---	---
		5745	17.249	5736.4395	5753.6885	---	---
		5785	17.308	5776.4016	5793.7096	---	---
		5825	17.286	5816.3528	5833.6388	---	---
11N20SISO	Ant1	5180	17.982	5171.0656	5189.0476	---	---
		5220	17.975	5211.0552	5229.0302	---	---
		5240	17.963	5231.0453	5249.0083	---	---
		5745	18.370	5735.8465	5754.2165	---	---
		5785	18.288	5775.8980	5794.1860	---	---
		5825	18.324	5815.8433	5834.1673	---	---
11N40SISO	Ant1	5190	36.196	5171.9717	5208.1677	---	---
		5230	36.115	5212.0055	5248.1205	---	---
		5755	36.710	5736.7320	5773.4420	---	---
		5795	36.819	5776.6659	5813.4849	---	---
11AC20SISO	Ant1	5180	17.959	5171.0856	5189.0446	---	---
		5220	18.006	5211.0582	5229.0642	---	---
		5240	17.975	5231.0801	5249.0551	---	---
		5745	18.345	5735.8691	5754.2141	---	---
		5785	18.297	5775.8842	5794.1812	---	---
		5825	18.326	5815.8819	5834.2079	---	---
11AC40SISO	Ant1	5190	36.122	5172.0104	5208.1324	---	---
		5230	36.145	5211.9485	5248.0935	---	---
		5755	36.724	5736.7218	5773.4458	---	---
		5795	36.685	5776.7282	5813.4132	---	---
11AC80SISO	Ant1	5210	75.097	5172.5705	5247.6675	---	---
		5775	75.115	5737.6253	5812.7403	---	---

Test Graphs

11A_Ant1_5180



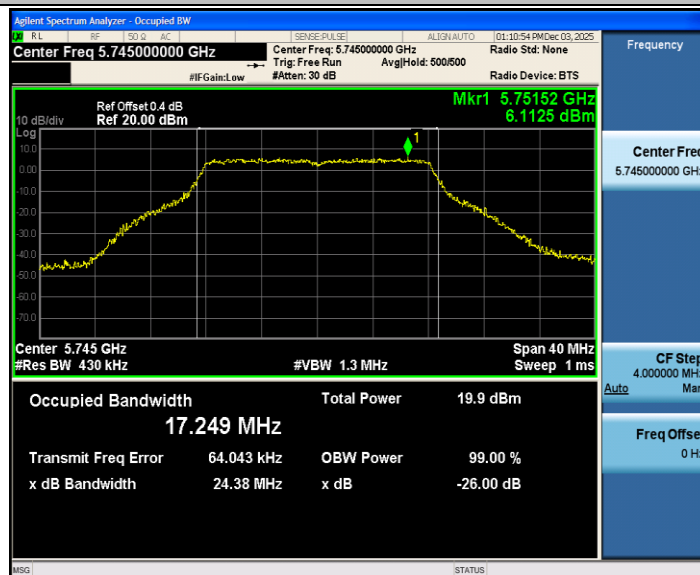
11A_Ant1_5220



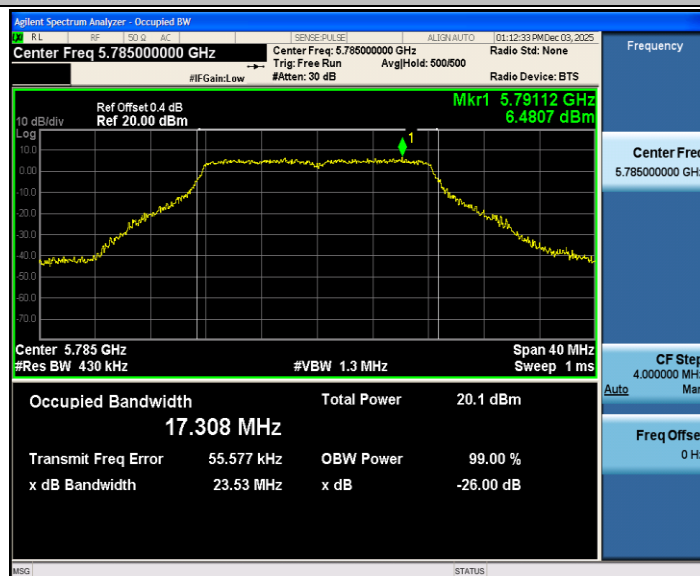
11A_Ant1_5240



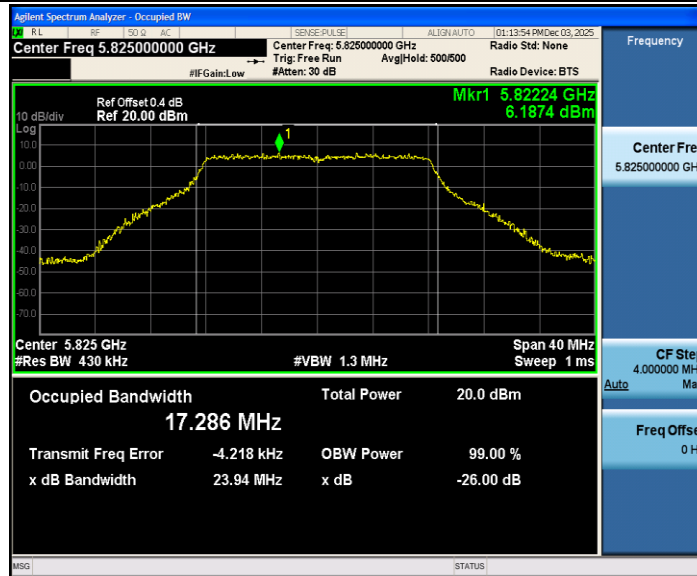
11A_Ant1_5745



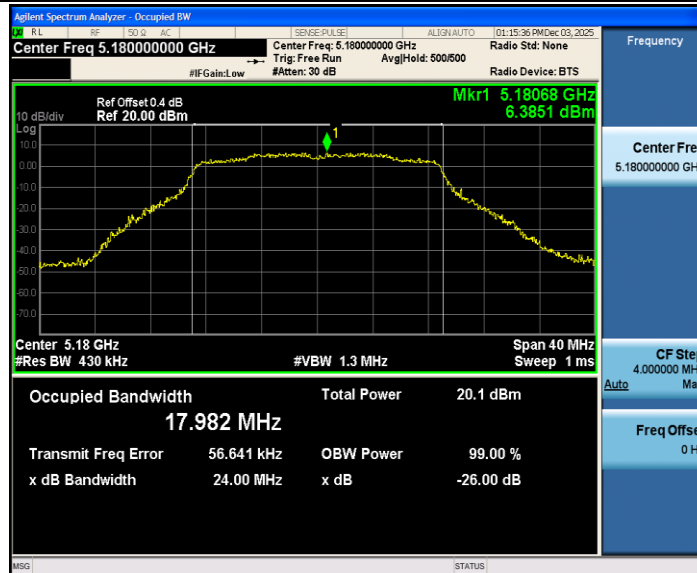
11A_Ant1_5785



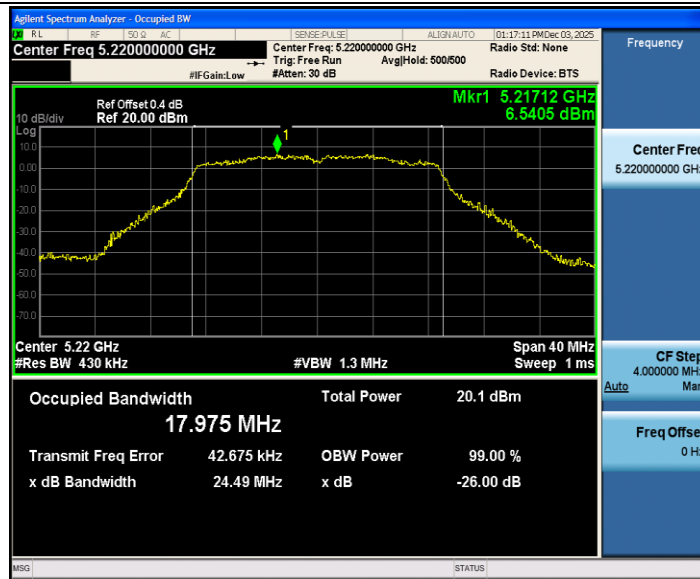
11A_Ant1_5825



11N20SISO_Ant1_5180



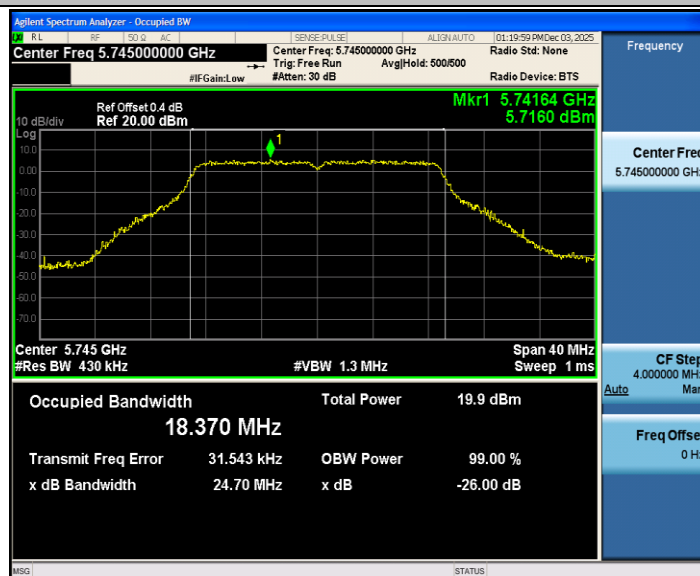
11N20SISO_Ant1_5220



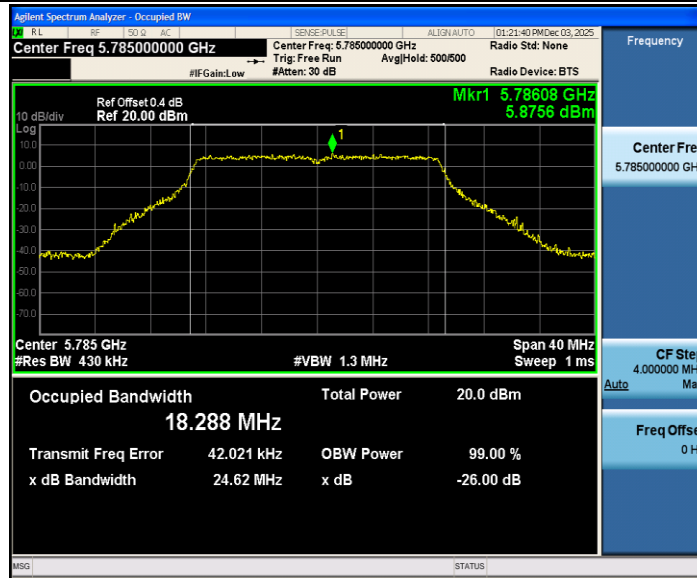
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



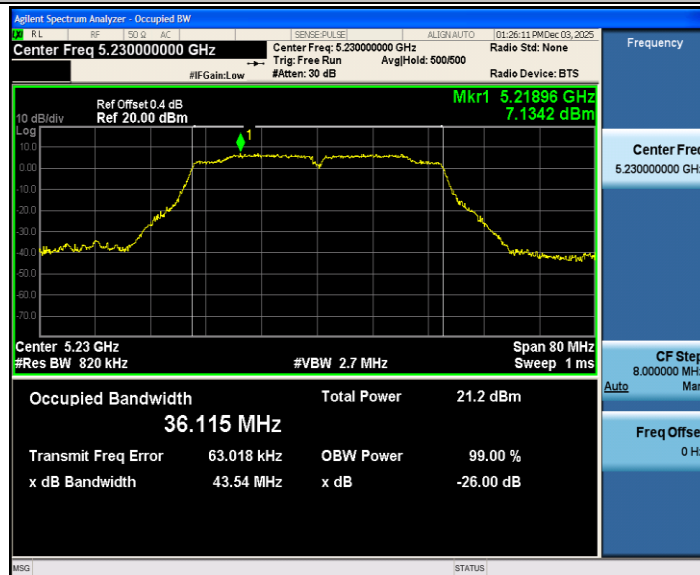
11N20SISO_Ant1_5825



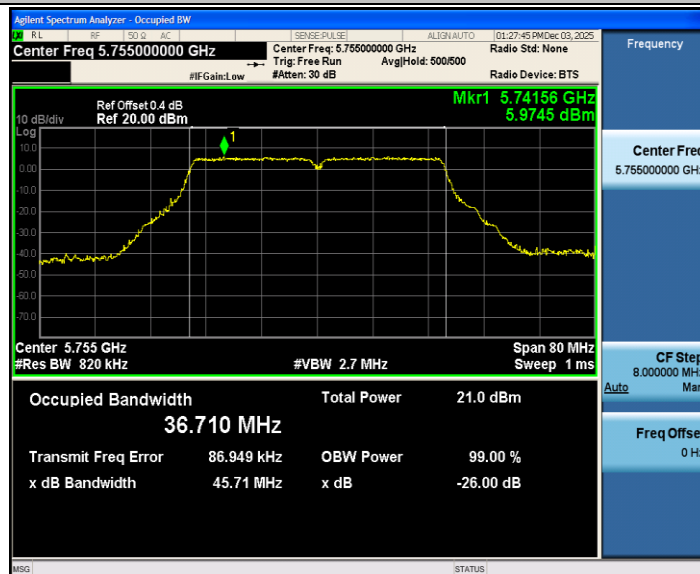
11N40SISO_Ant1_5190



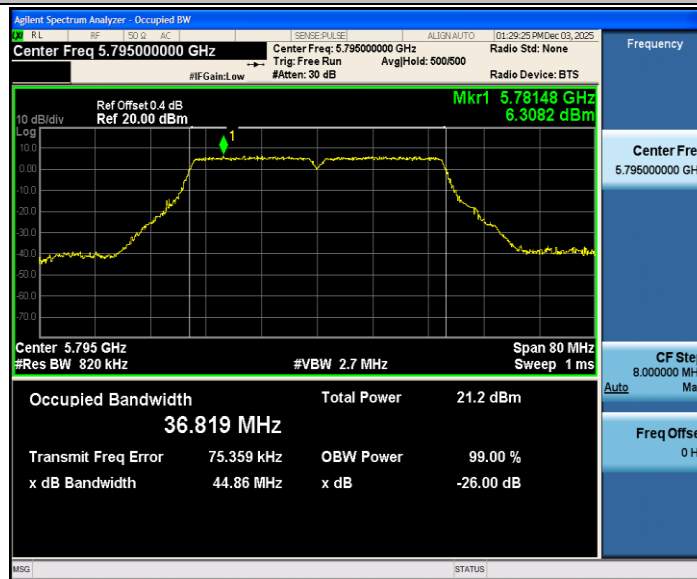
11N40SISO_Ant1_5230



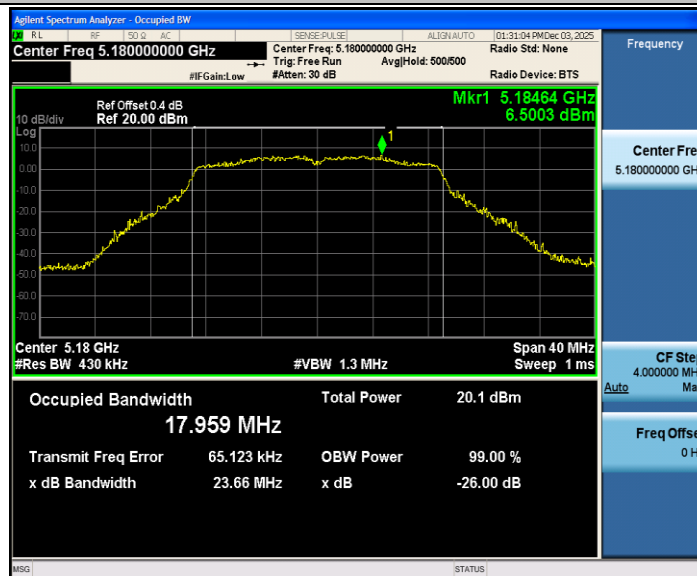
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



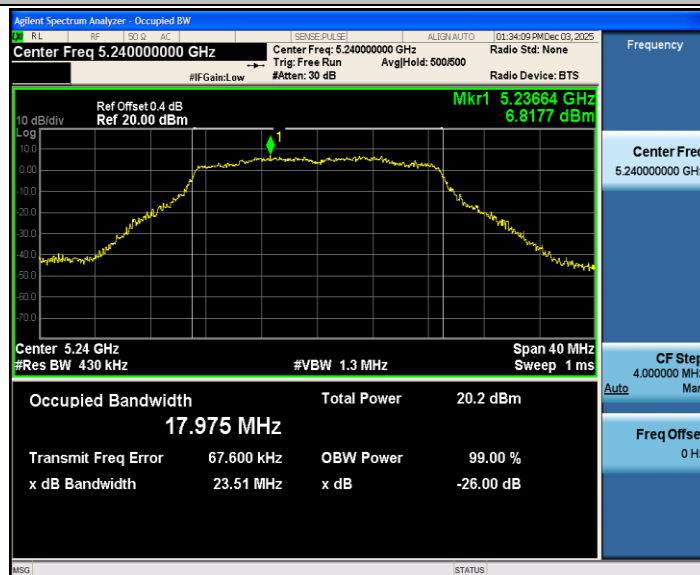
11AC20SISO_Ant1_5180



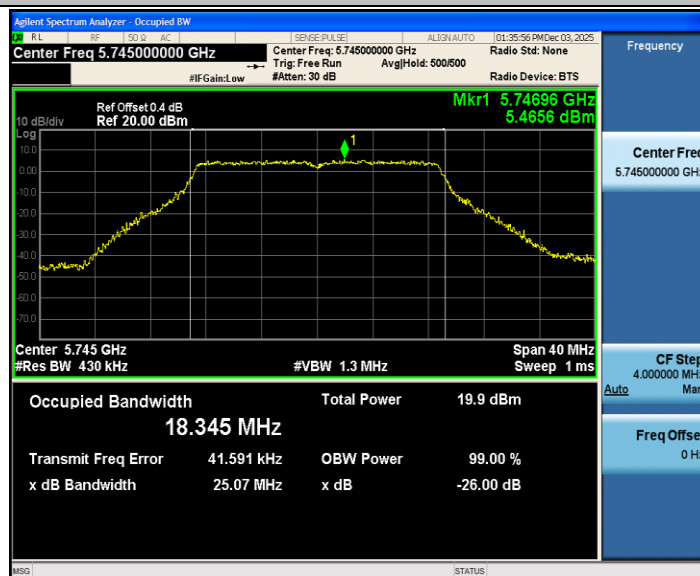
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



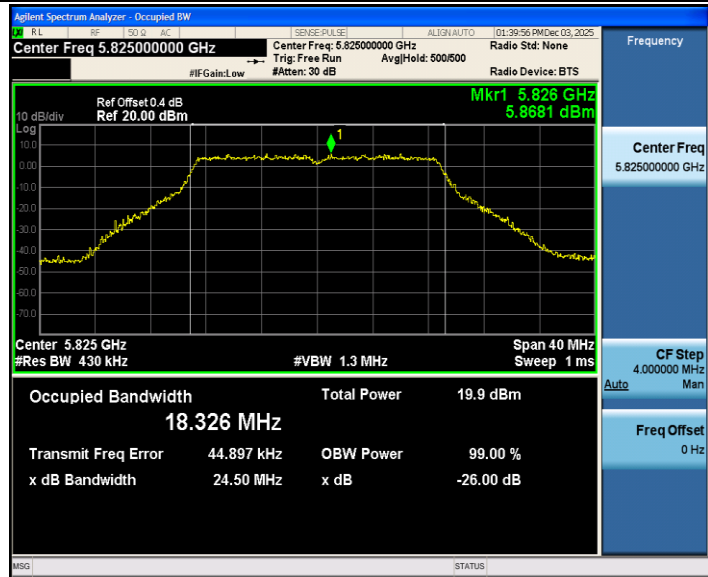
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



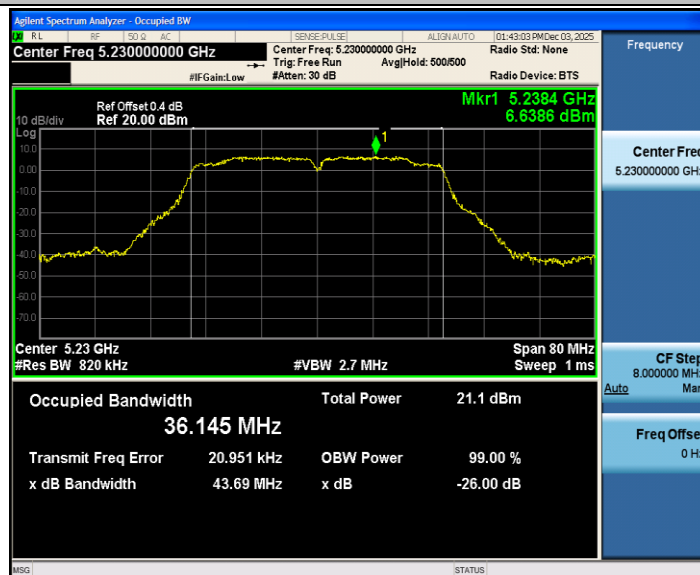
11AC20SISO_Ant1_5825



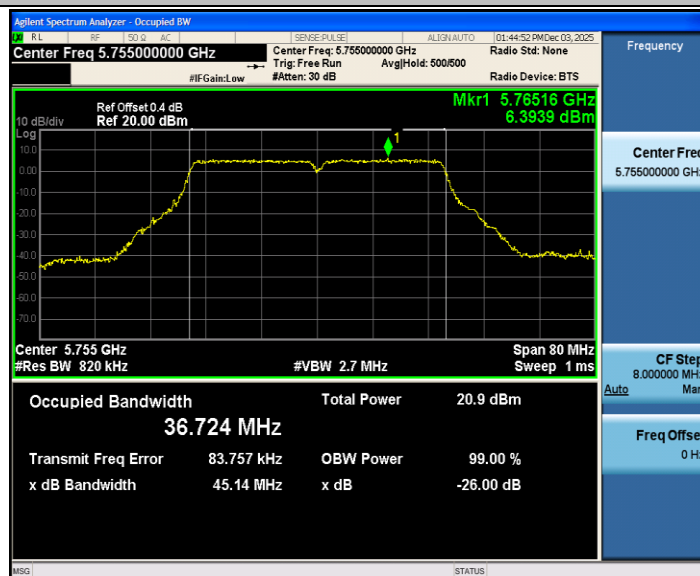
11AC40SISO_Ant1_5190



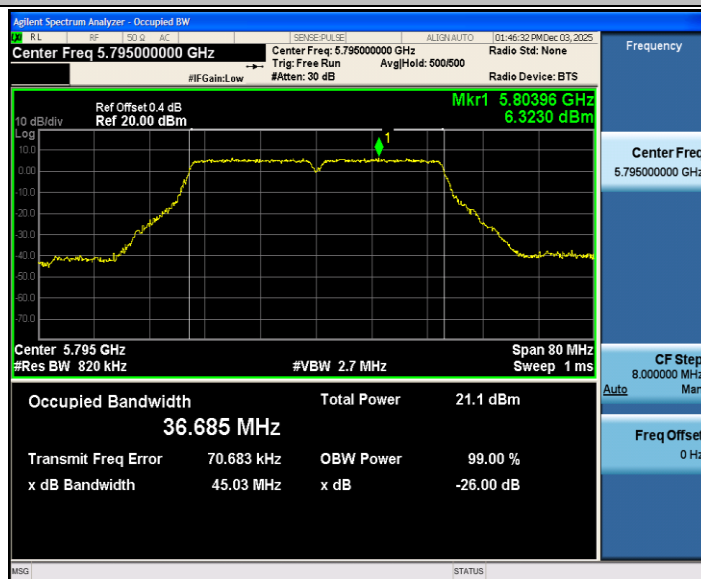
11AC40SISO_Ant1_5230



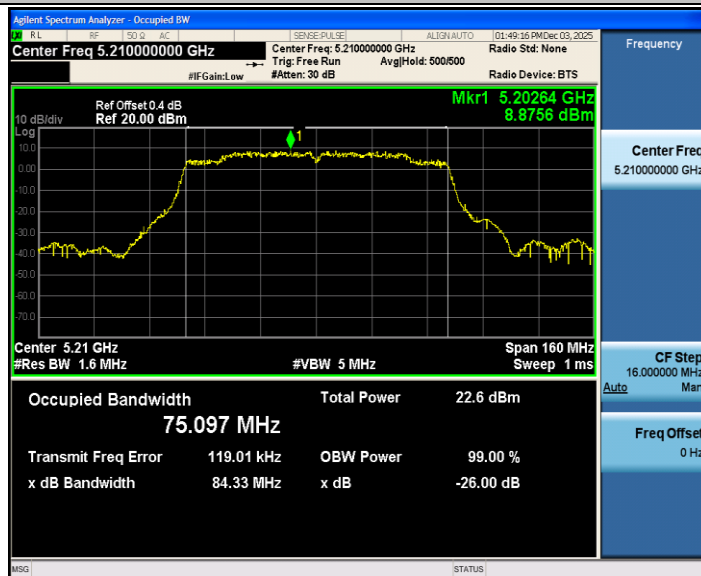
11AC40SISO_Ant1_5230



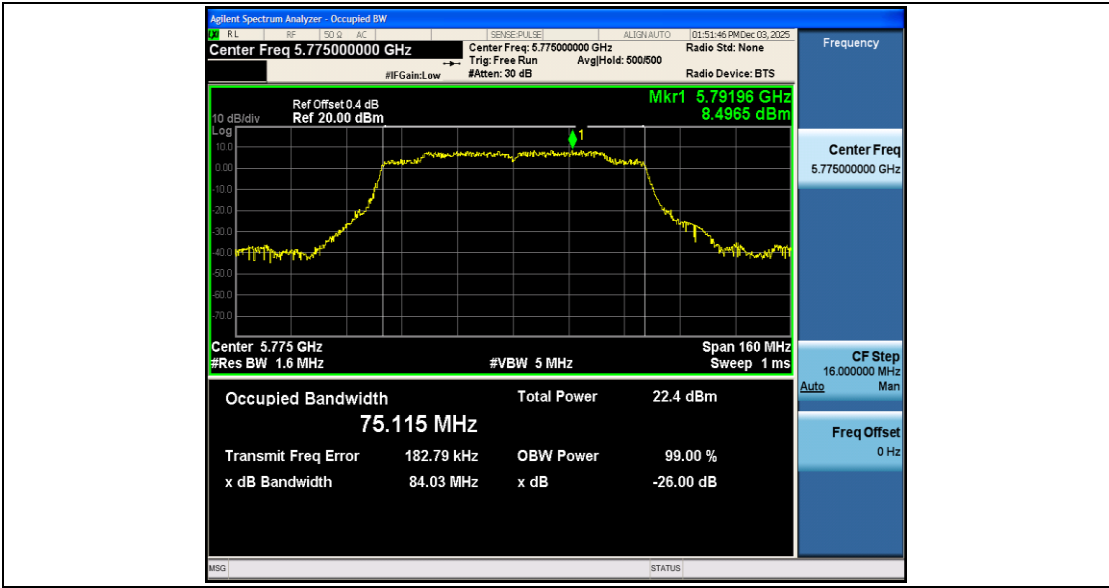
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

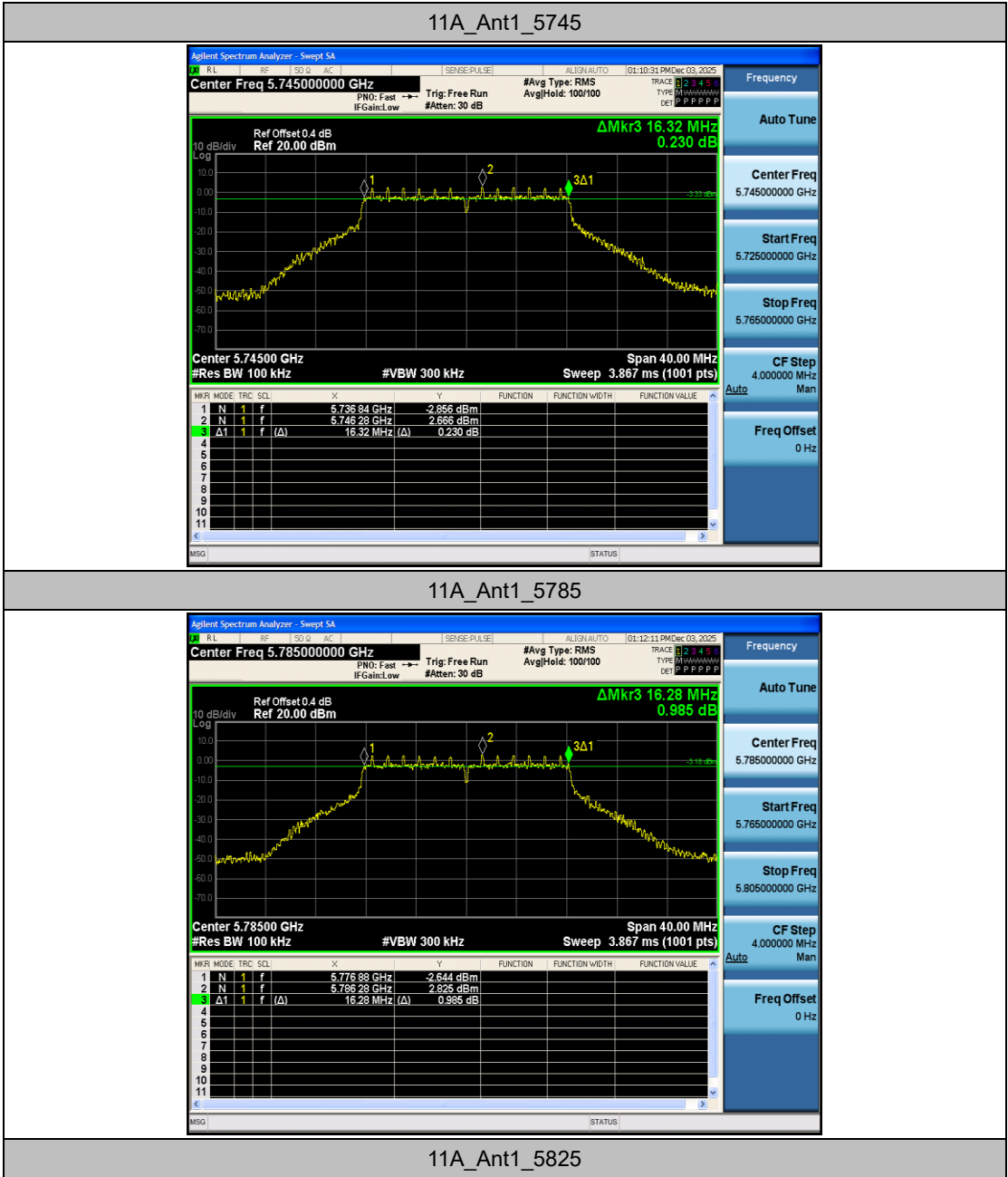


Appendix A3: Min emission bandwidth

Test Result B4

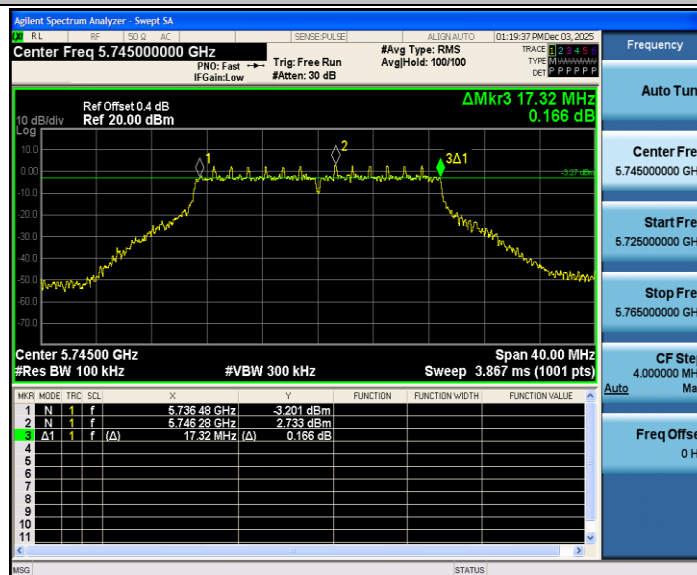
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.280	5776.880	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.320	5736.480	5753.800	0.5	PASS
		5785	17.320	5776.480	5793.800	0.5	PASS
		5825	17.560	5816.240	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.160	5777.000	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.160	5736.600	5753.760	0.5	PASS
		5785	17.360	5776.400	5793.760	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	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	75.040	5737.560	5812.600	0.5	PASS

Test Graphs B4

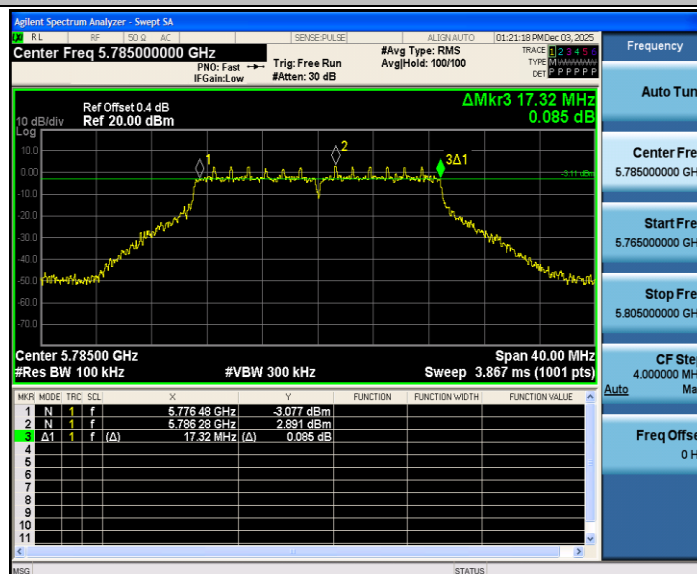




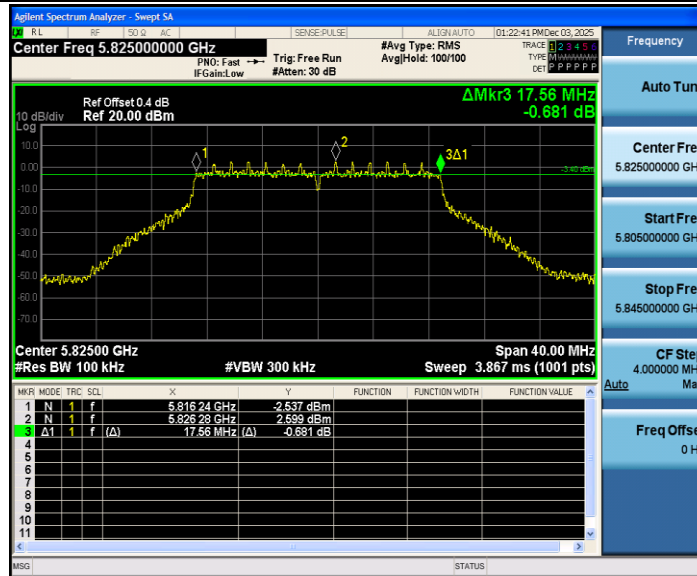
11N20SISO_Ant1_5745



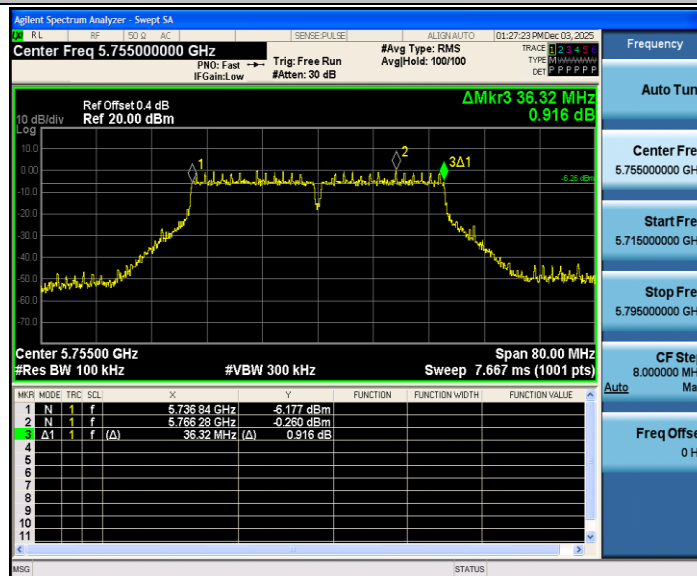
11N20SISO_Ant1_5785



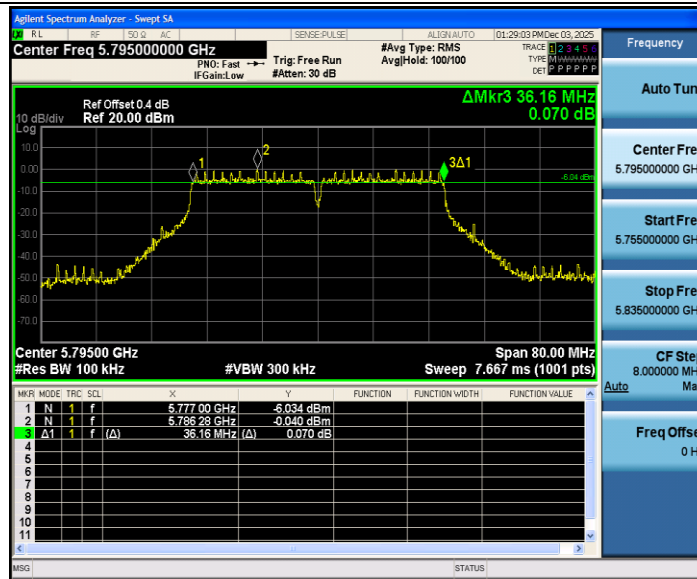
11N20SISO_Ant1_5825



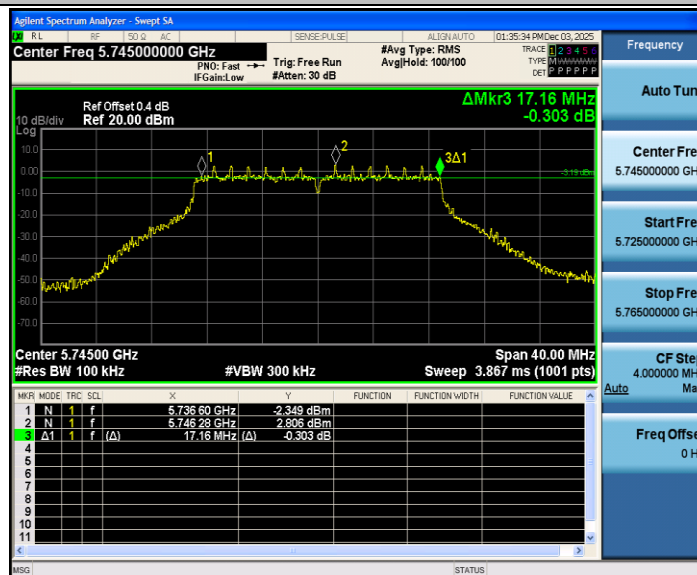
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785

