

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2BMF7-NX2

Company : Petrosoft LLC

EUT : POS Terminal

Model Number : NX2

Report No. : CTA26062500403

Reviewed By : Eric Wang

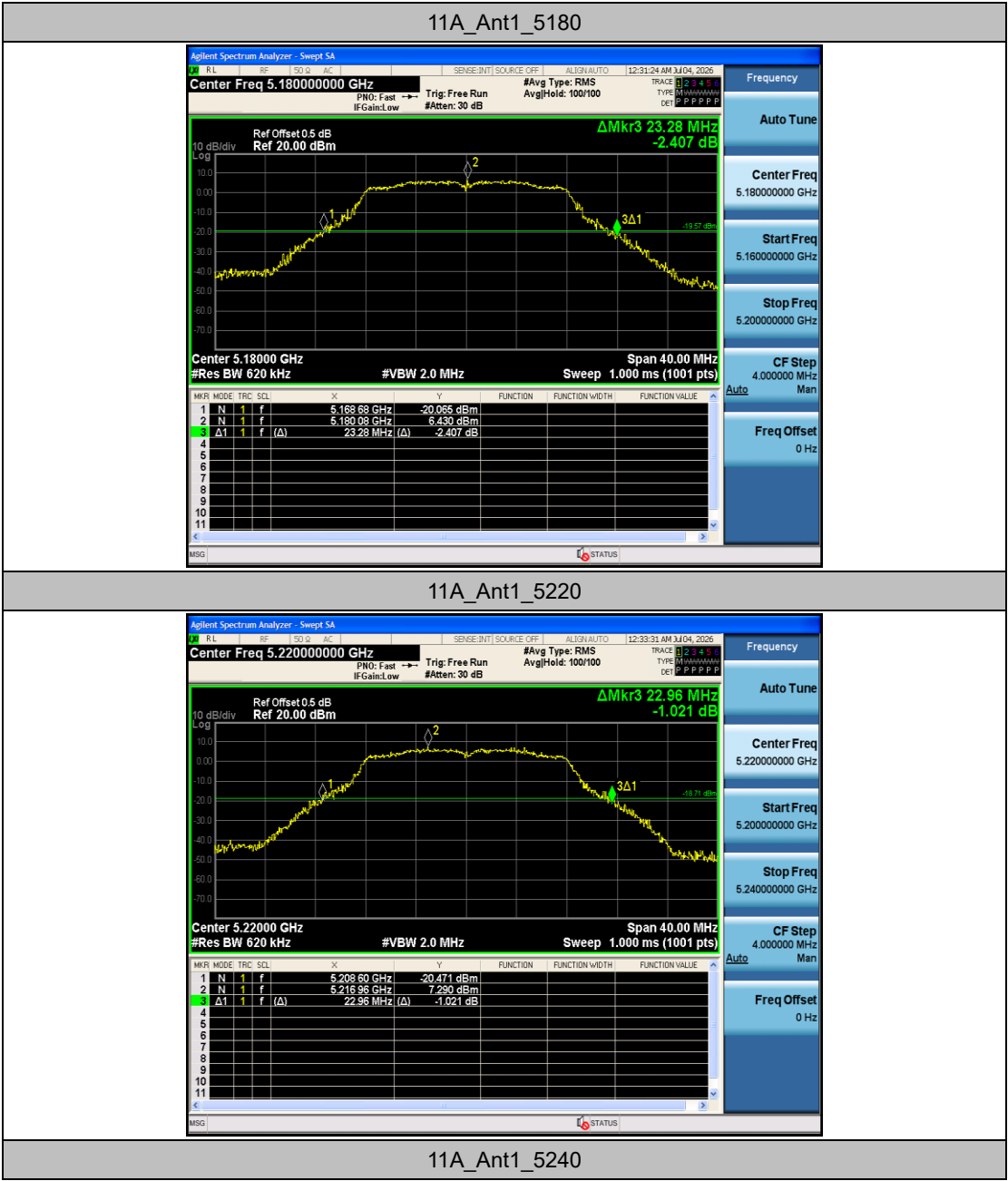
FCC Appendix RF Test Data for 5GWIFI Antenna 1

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	23.280	5168.680	5191.960	---	---
		5220	22.960	5208.600	5231.560	---	---
		5240	23.560	5228.120	5251.680	---	---
		5745	24.160	5732.760	5756.920	---	---
		5785	23.760	5773.040	5796.800	---	---
		5825	23.800	5813.200	5837.000	---	---
11N20SISO	Ant1	5180	23.360	5168.400	5191.760	---	---
		5220	23.440	5208.160	5231.600	---	---
		5240	23.680	5228.000	5251.680	---	---
		5745	24.080	5733.080	5757.160	---	---
		5785	24.400	5772.720	5797.120	---	---
		5825	25.040	5812.080	5837.120	---	---
11N40SISO	Ant1	5190	43.040	5168.720	5211.760	---	---
		5230	43.600	5208.400	5252.000	---	---
		5755	44.560	5733.080	5777.640	---	---
		5795	44.640	5773.480	5818.120	---	---
11AC20SISO	Ant1	5180	22.440	5168.720	5191.160	---	---
		5220	22.560	5208.800	5231.360	---	---
		5240	22.880	5228.640	5251.520	---	---
		5745	24.520	5733.040	5757.560	---	---
		5785	24.160	5773.040	5797.200	---	---
		5825	24.080	5813.320	5837.400	---	---
11AC40SISO	Ant1	5190	42.400	5168.560	5210.960	---	---
		5230	42.480	5208.800	5251.280	---	---
		5755	44.480	5733.080	5777.560	---	---
		5795	44.720	5773.160	5817.880	---	---
11AC80SISO	Ant1	5210	85.760	5167.600	5253.360	---	---
		5775	85.600	5732.600	5818.200	---	---

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



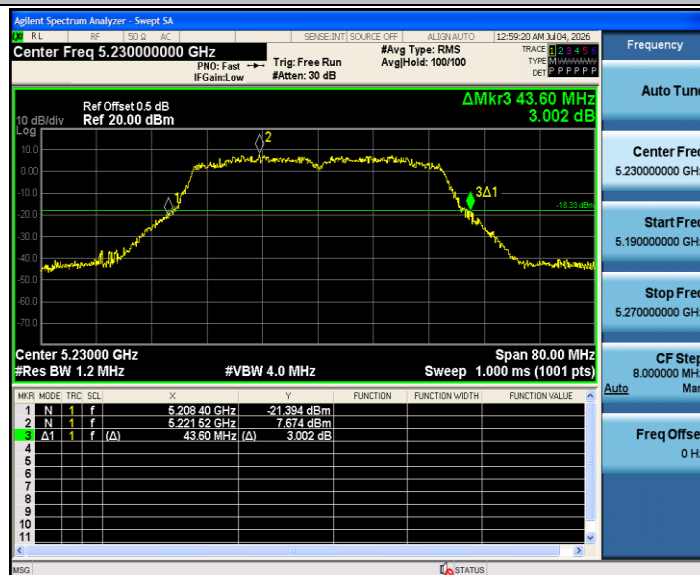
11N20SISO_Ant1_5825



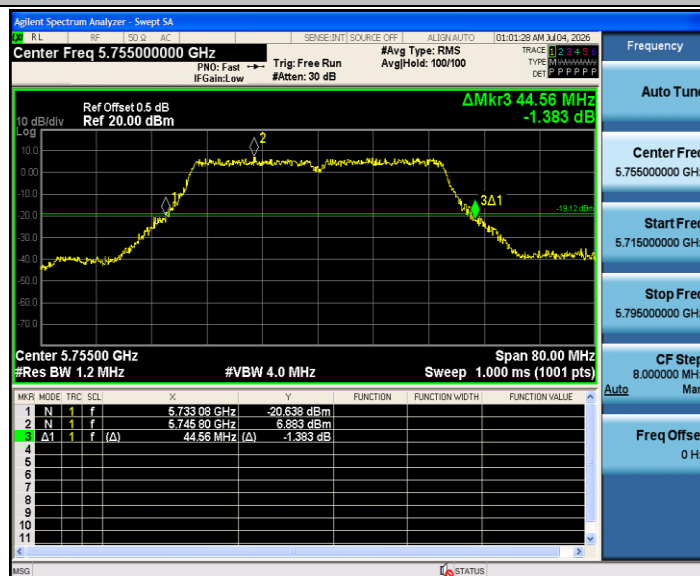
11N40SISO_Ant1_5190



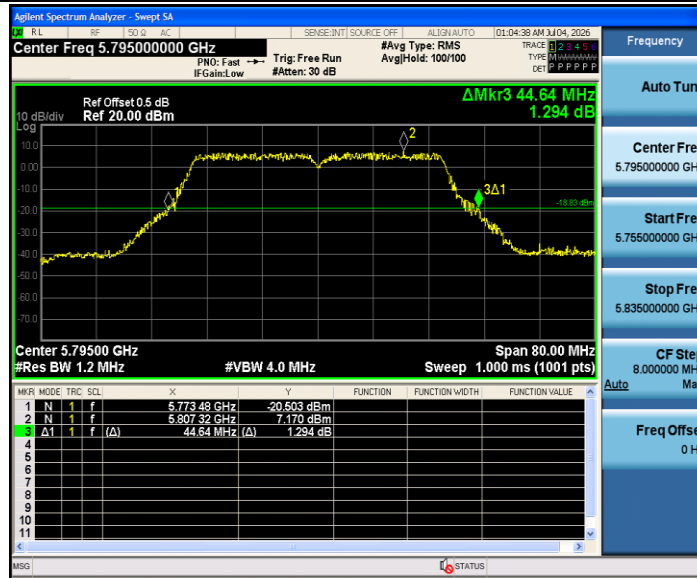
11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240

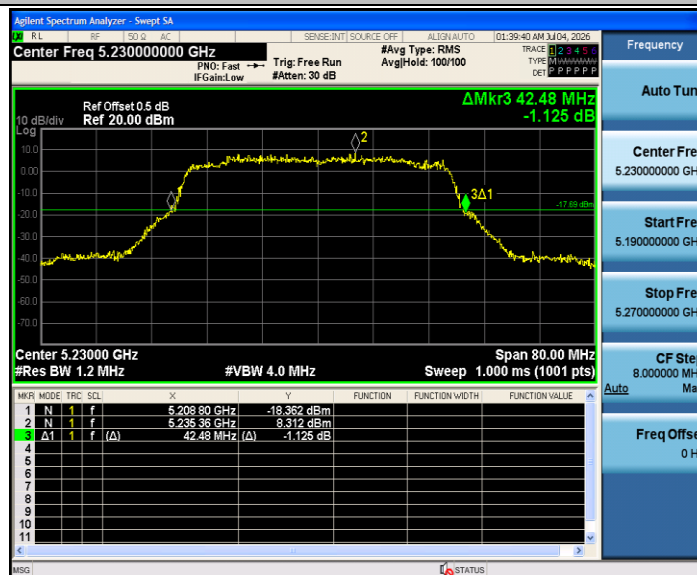


11AC20SISO_Ant1_5745

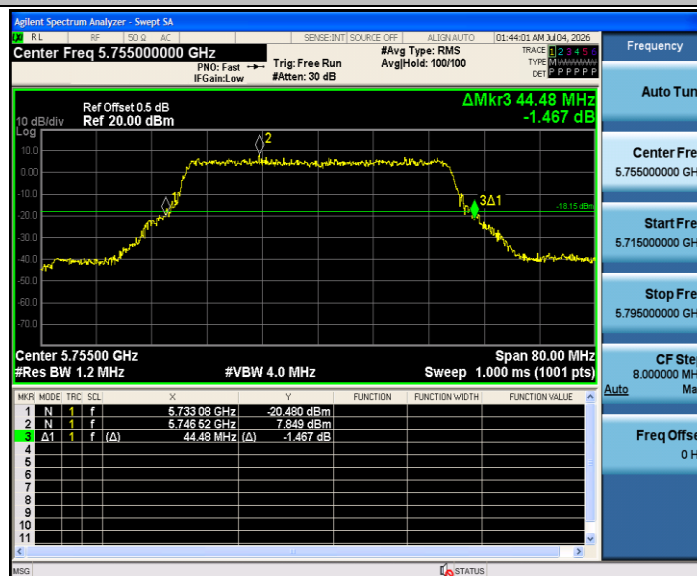




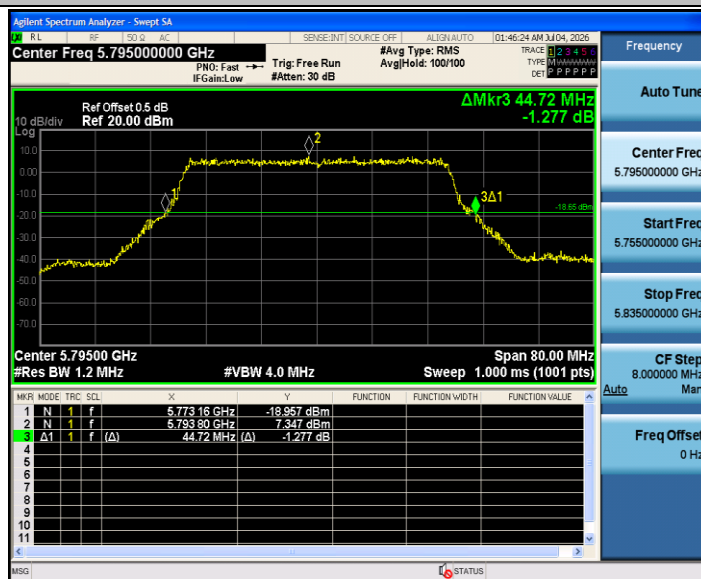
11AC40SISO_Ant1_5230



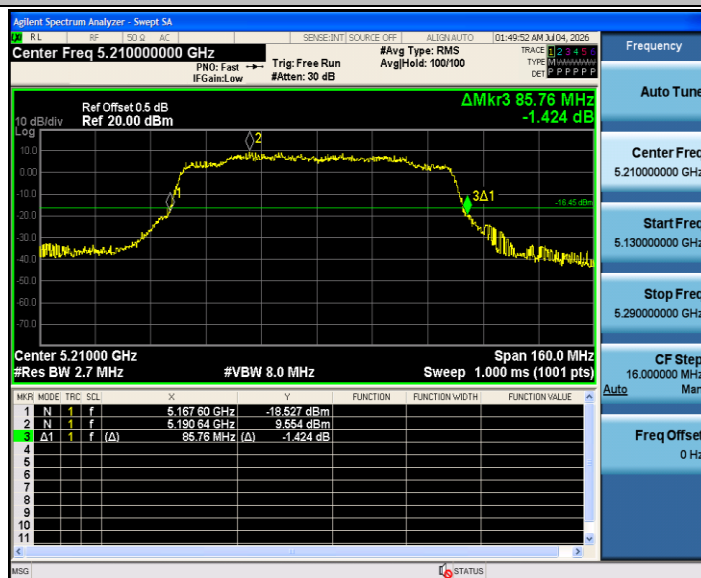
11AC40SISO_Ant1_5755



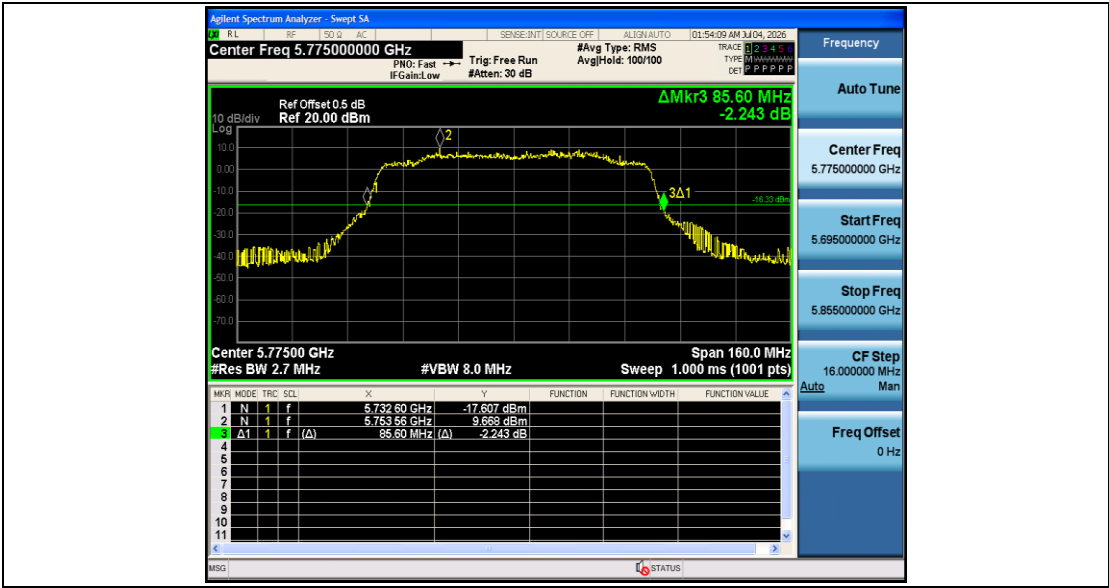
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



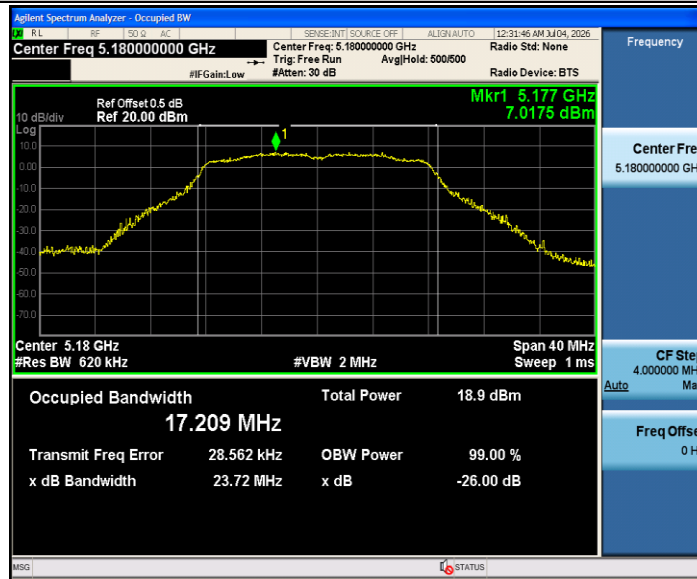
Appendix A2: Occupied channel bandwidth

Test Result

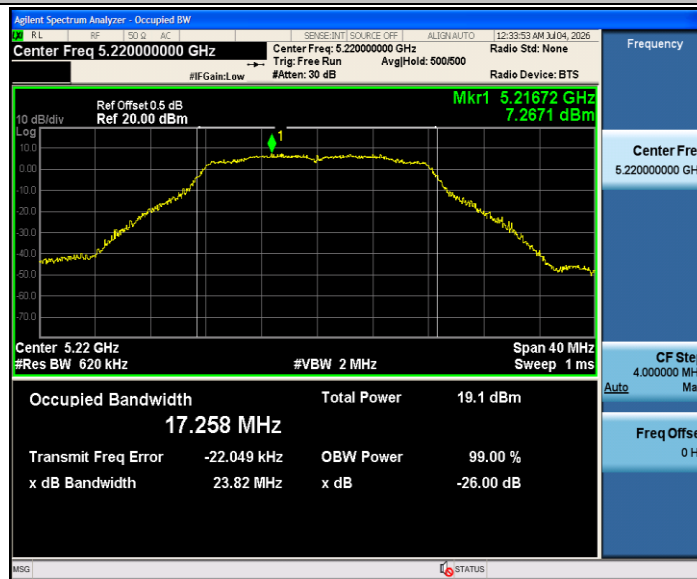
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.209	5171.4241	5188.6331	---	---
		5220	17.258	5211.3490	5228.6070	---	---
		5240	17.284	5231.3518	5248.6358	---	---
		5745	17.658	5736.1775	5753.8355	---	---
		5785	17.622	5776.2307	5793.8527	---	---
		5825	17.577	5816.1980	5833.7750	---	---
11N20SISO	Ant1	5180	18.257	5170.9041	5189.1611	---	---
		5220	18.329	5210.8293	5229.1583	---	---
		5240	18.265	5230.8834	5249.1484	---	---
		5745	18.637	5735.6858	5754.3228	---	---
		5785	18.697	5775.6697	5794.3667	---	---
		5825	18.650	5815.6466	5834.2966	---	---
11N40SISO	Ant1	5190	36.308	5171.8860	5208.1940	---	---
		5230	36.336	5211.9218	5248.2578	---	---
		5755	37.037	5736.6040	5773.6410	---	---
		5795	36.859	5776.6621	5813.5211	---	---
11AC20SISO	Ant1	5180	19.079	5170.4720	5189.5510	---	---
		5220	19.025	5210.5035	5229.5285	---	---
		5240	19.139	5230.4312	5249.5702	---	---
		5745	19.440	5735.2812	5754.7212	---	---
		5785	19.375	5775.3439	5794.7189	---	---
		5825	19.469	5815.2653	5834.7343	---	---
11AC40SISO	Ant1	5190	37.845	5171.1230	5208.9680	---	---
		5230	37.710	5211.2192	5248.9292	---	---
		5755	38.362	5735.9074	5774.2694	---	---
		5795	38.316	5775.9190	5814.2350	---	---
11AC80SISO	Ant1	5210	77.075	5171.5478	5248.6228	---	---
		5775	77.073	5736.6693	5813.7423	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



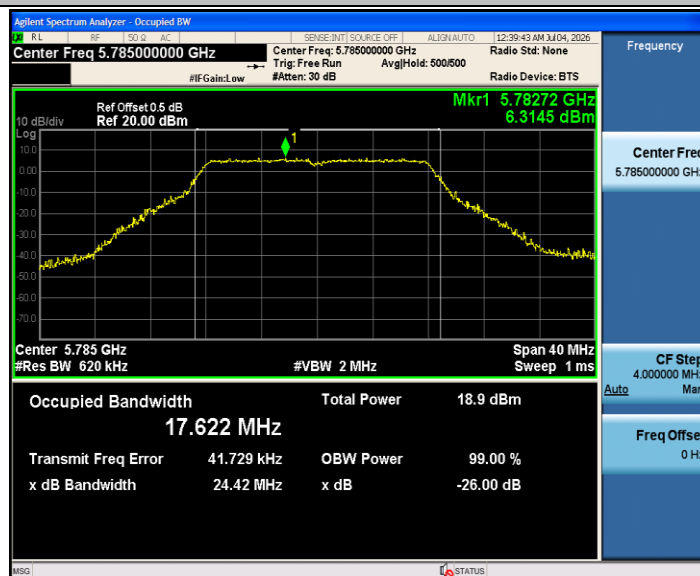
11A_Ant1_5240



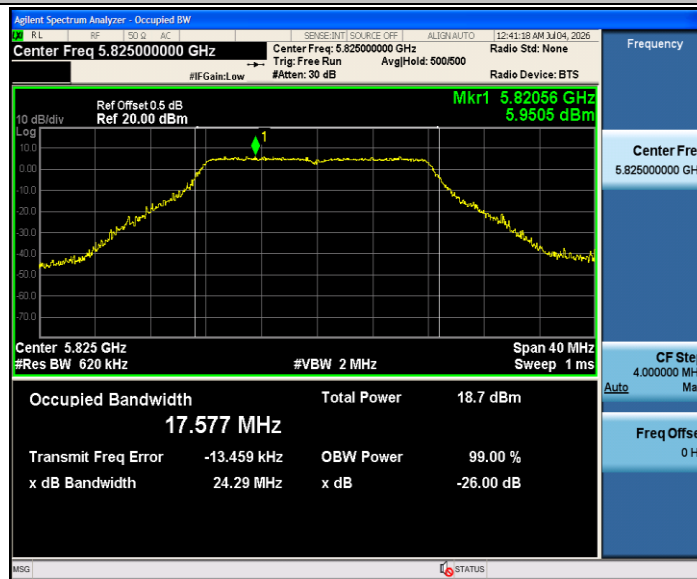
11A_Ant1_5745



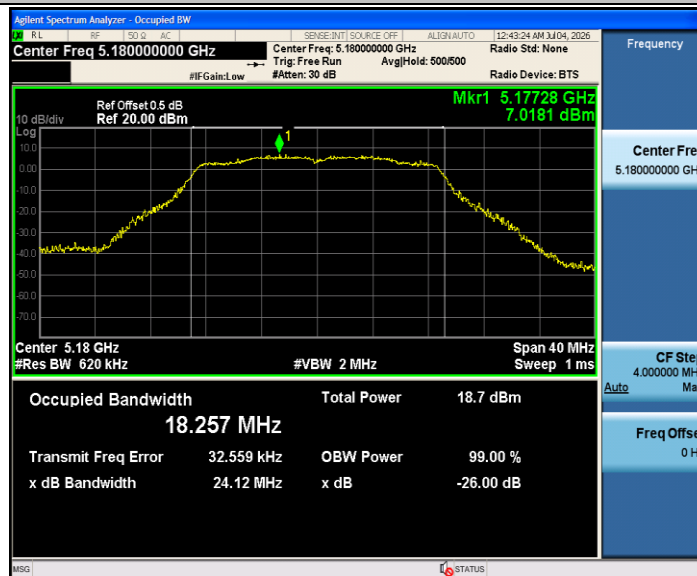
11A_Ant1_5785



11A_Ant1_5825



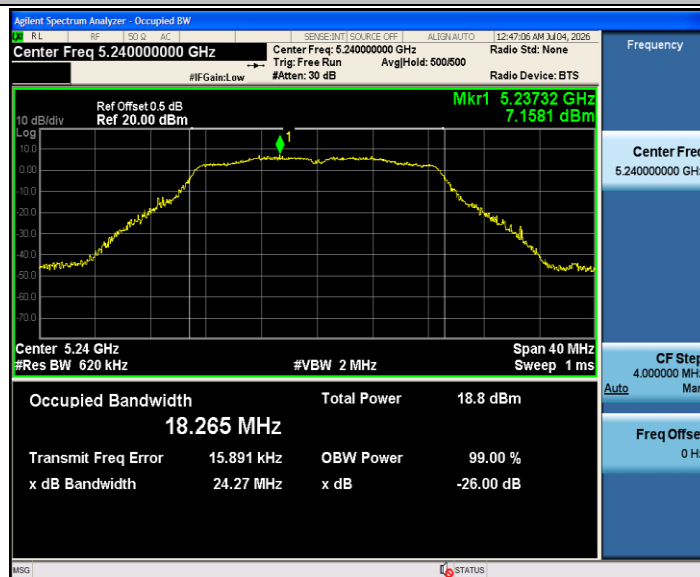
11N20SISO_Ant1_5180



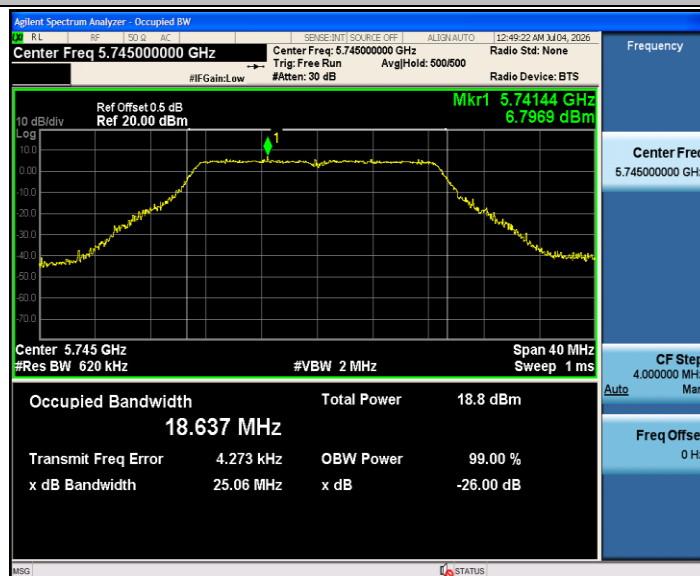
11N20SISO_Ant1_5220



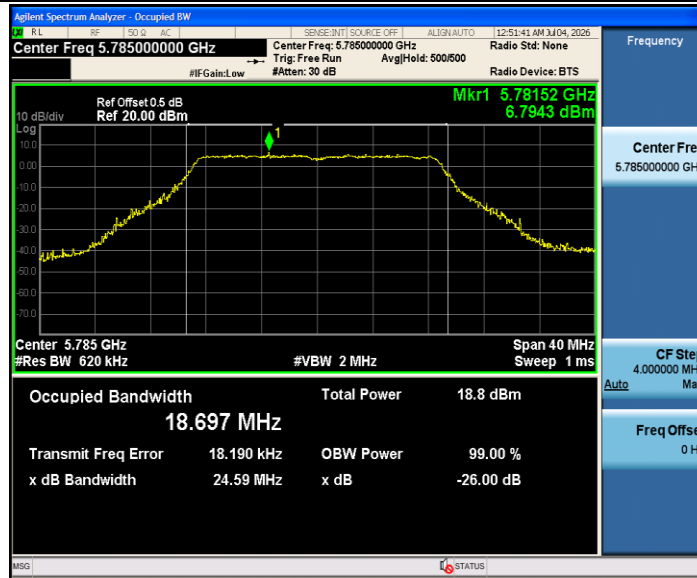
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



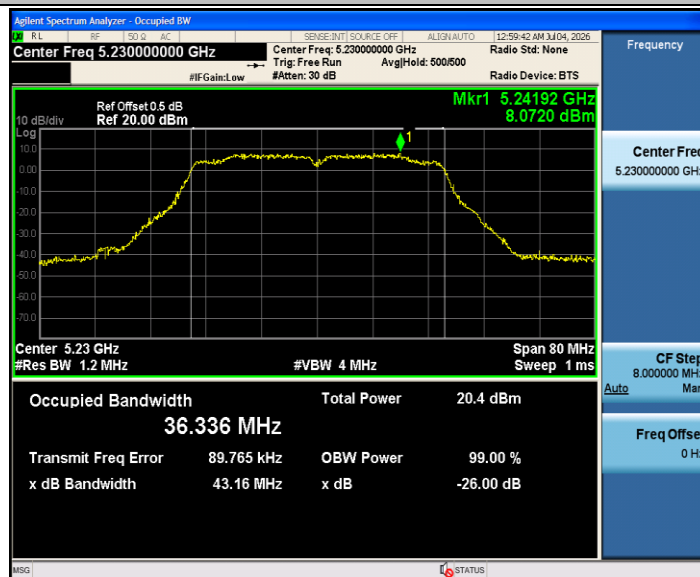
11N20SISO_Ant1_5825



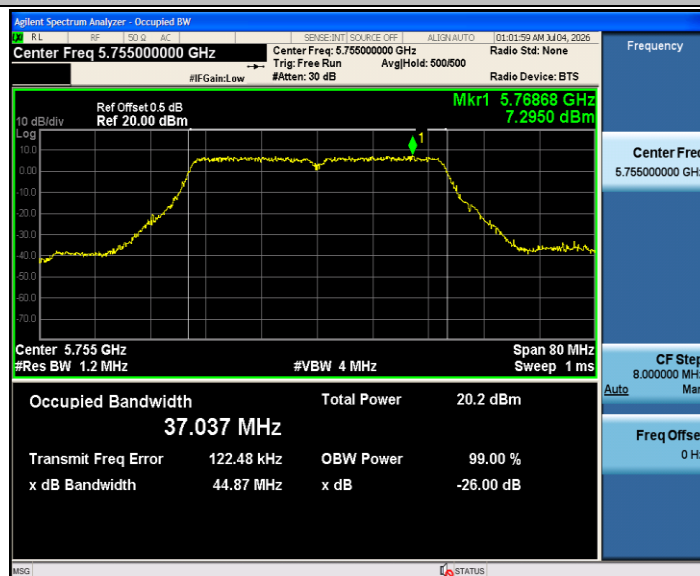
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



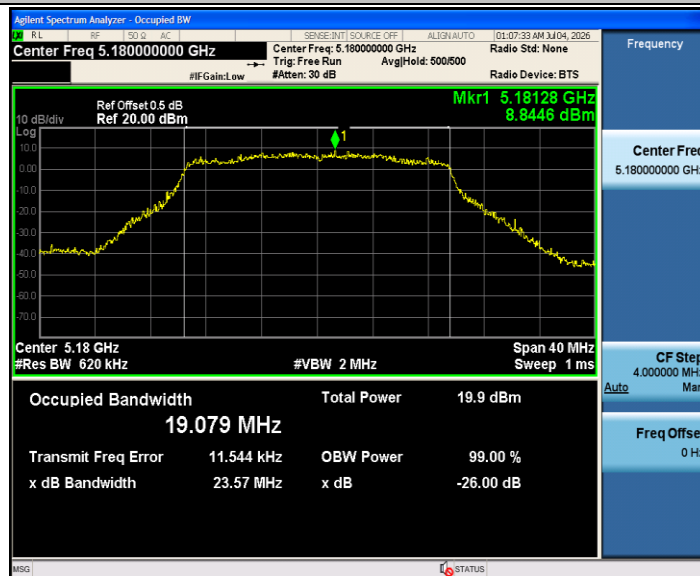
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



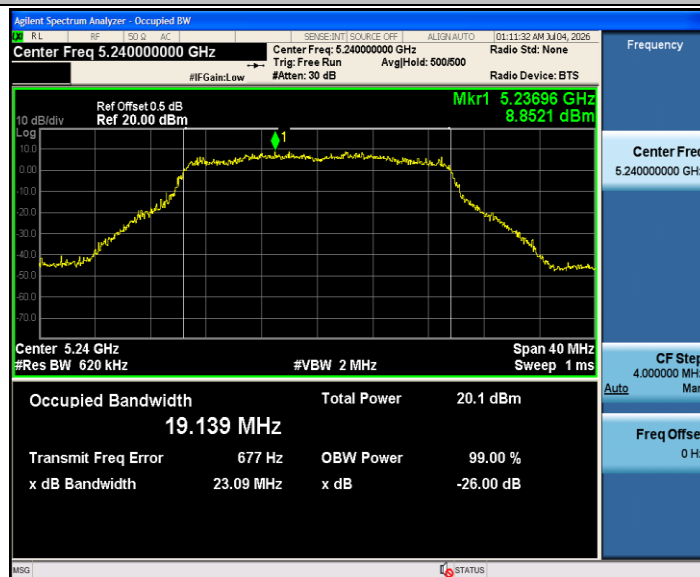
11AC20SISO_Ant1_5180



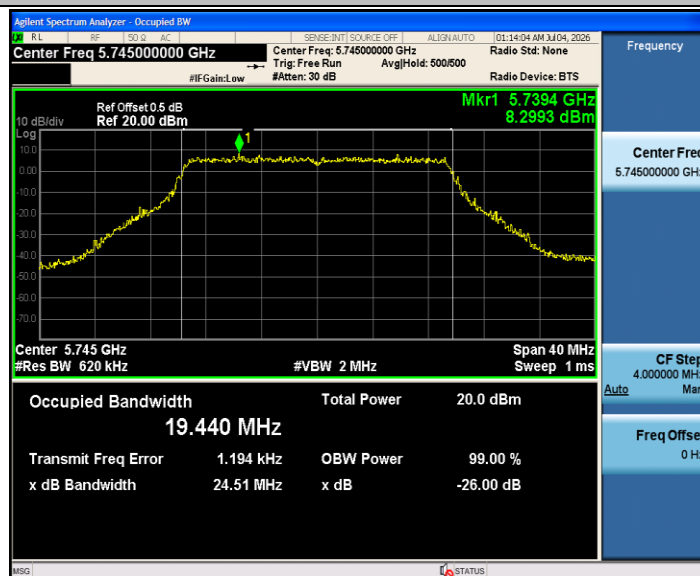
11AC20SISO_Ant1_5220



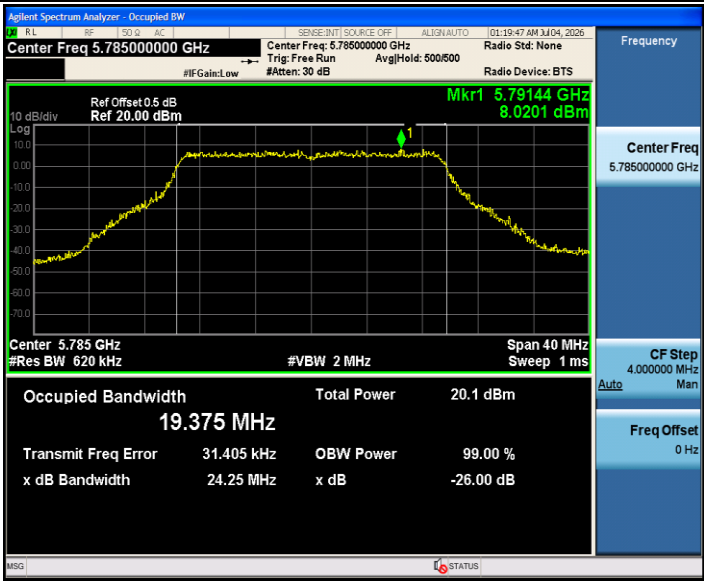
11AC20SISO_Ant1_5240



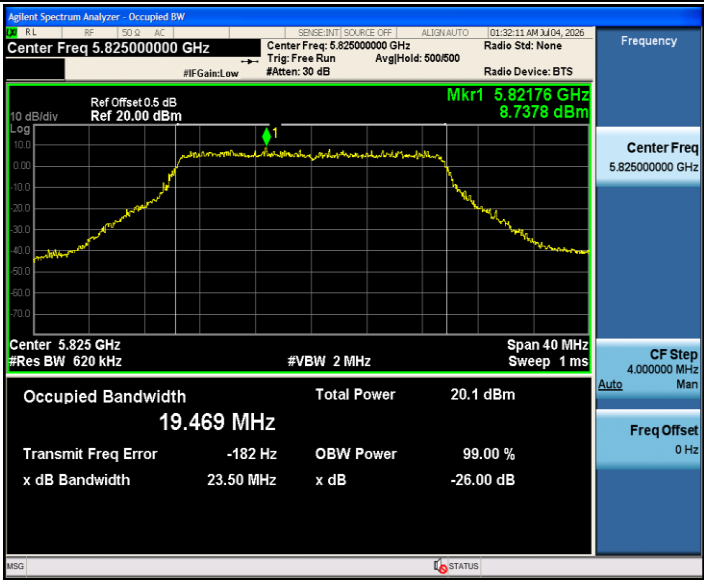
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



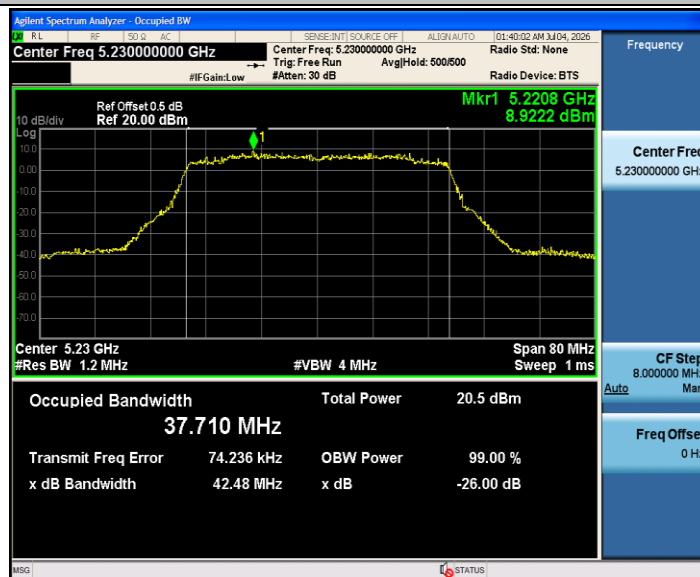
11AC20SISO_Ant1_5825



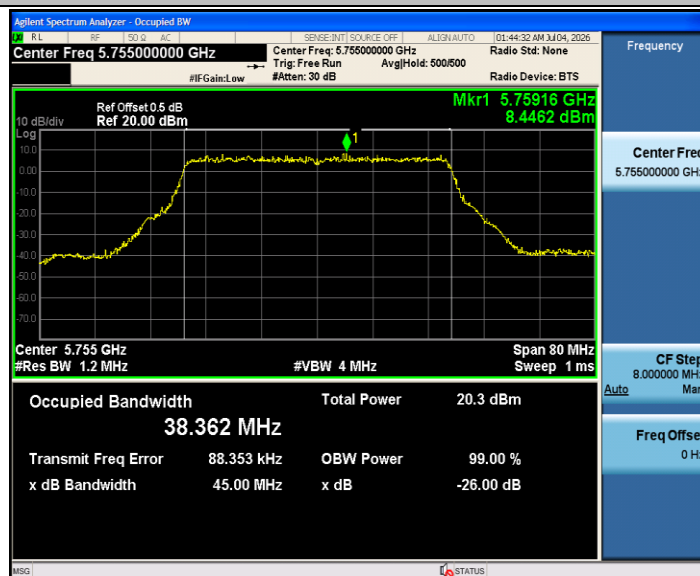
11AC40SISO_Ant1_5190

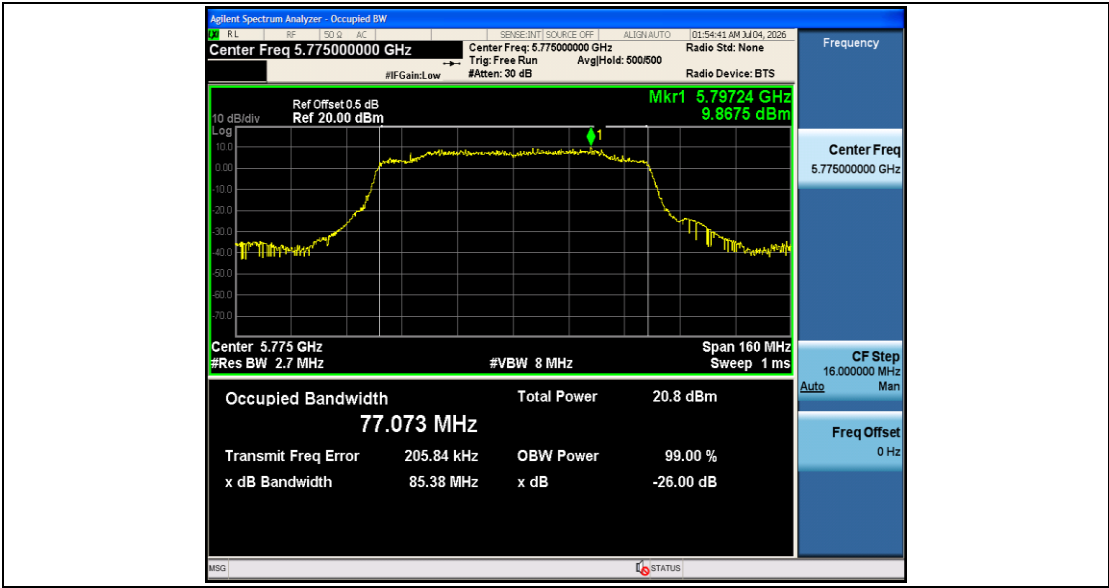


11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755





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	16.280	5736.880	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.280	5816.880	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.520	5736.240	5753.760	0.5	PASS
		5785	17.600	5776.200	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	36.160	5777.000	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	18.840	5735.640	5754.480	0.5	PASS
		5785	18.440	5775.600	5794.040	0.5	PASS
		5825	18.640	5815.560	5834.200	0.5	PASS
11AC40SISO	Ant1	5755	37.600	5736.280	5773.880	0.5	PASS
		5795	37.600	5776.280	5813.880	0.5	PASS
11AC80SISO	Ant1	5775	75.040	5737.560	5812.600	0.5	PASS

Test Graphs B4

11A_Ant1_5745



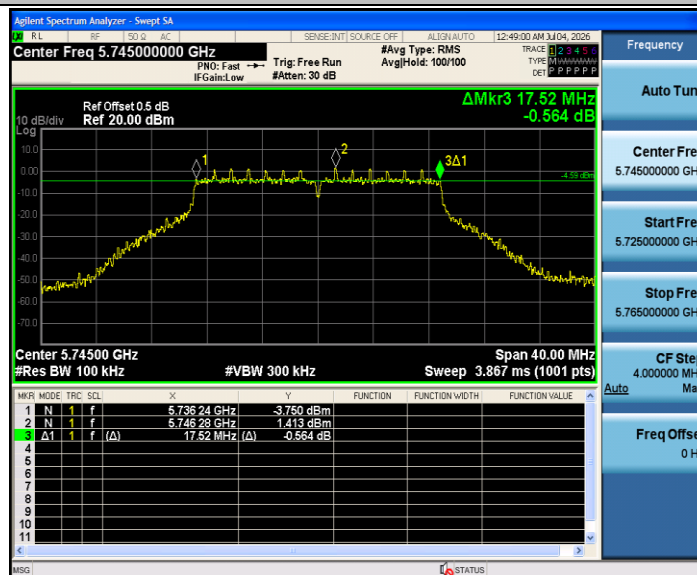
11A_Ant1_5785



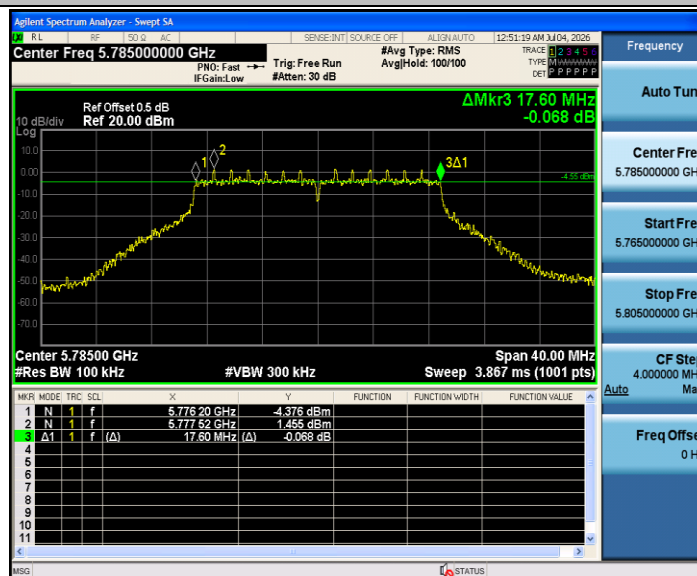
11A_Ant1_5825



11N20SISO_Ant1_5745



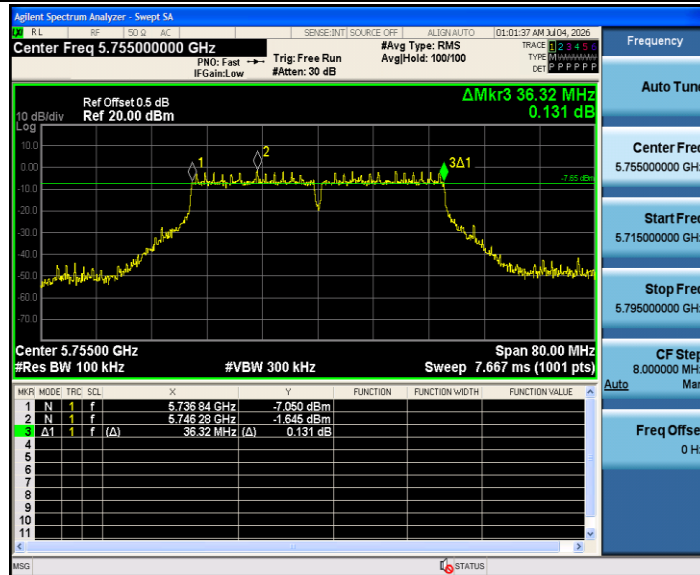
11N20SISO_Ant1_5785



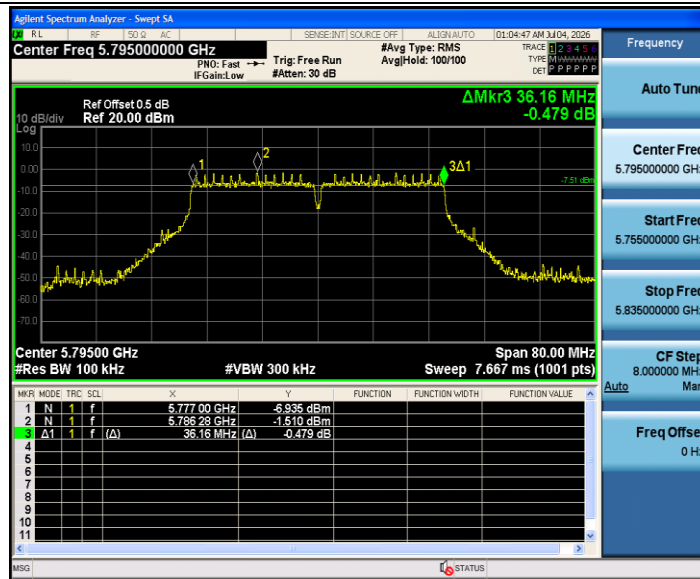
11N20SISO_Ant1_5825



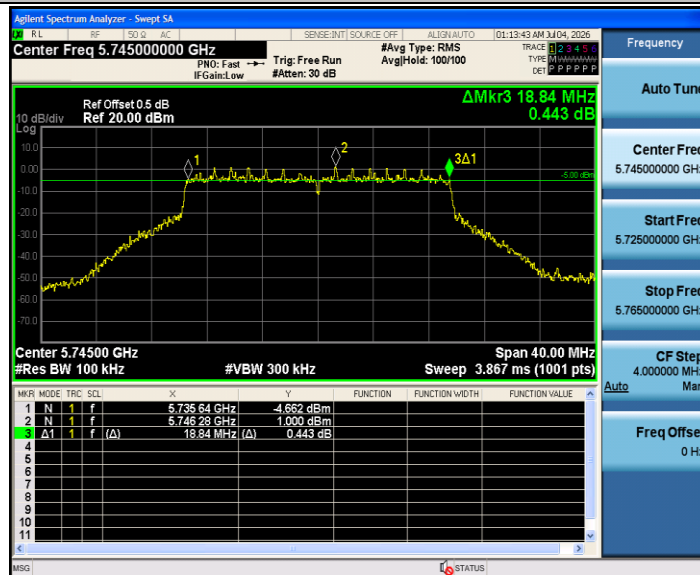
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785

