

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2BO6V-KI-D086L

Company : SHENZHEN KINGIMAGE TECHNOLOGY CO.,LTD.

EUT : Interactive intelligent panel

Model Number : KI-D086L

Report No. : CTA25110401603

Reviewed By : Eric Wang

FCC Appendix RF Test Data for 5GWIFI ANT1

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.640	5168.520	5191.160	---	---
		5220	21.800	5209.120	5230.920	---	---
		5240	21.840	5229.160	5251.000	---	---
		5745	23.000	5733.520	5756.520	---	---
		5785	23.680	5773.640	5797.320	---	---
		5825	23.440	5813.600	5837.040	---	---
11N20SISO	Ant1	5180	21.560	5169.320	5190.880	---	---
		5220	22.440	5208.880	5231.320	---	---
		5240	22.560	5228.800	5251.360	---	---
		5745	23.880	5733.240	5757.120	---	---
		5785	23.840	5773.400	5797.240	---	---
		5825	22.720	5813.640	5836.360	---	---
11N40SISO	Ant1	5190	43.040	5168.480	5211.520	---	---
		5230	42.160	5208.960	5251.120	---	---
		5755	44.800	5733.080	5777.880	---	---
		5795	44.960	5772.920	5817.880	---	---
11AC20SISO	Ant1	5180	22.520	5168.800	5191.320	---	---
		5220	22.120	5209.080	5231.200	---	---
		5240	22.280	5229.160	5251.440	---	---
		5745	23.040	5733.400	5756.440	---	---
		5785	23.720	5772.880	5796.600	---	---
		5825	23.680	5813.080	5836.760	---	---
11AC40SISO	Ant1	5190	42.720	5168.720	5211.440	---	---
		5230	44.160	5208.480	5252.640	---	---
		5755	44.560	5733.240	5777.800	---	---
		5795	44.560	5773.400	5817.960	---	---
11AC80SISO	Ant1	5210	83.360	5168.720	5252.080	---	---
		5775	86.240	5732.440	5818.680	---	---

Test Graphs





11A_Ant1_5745



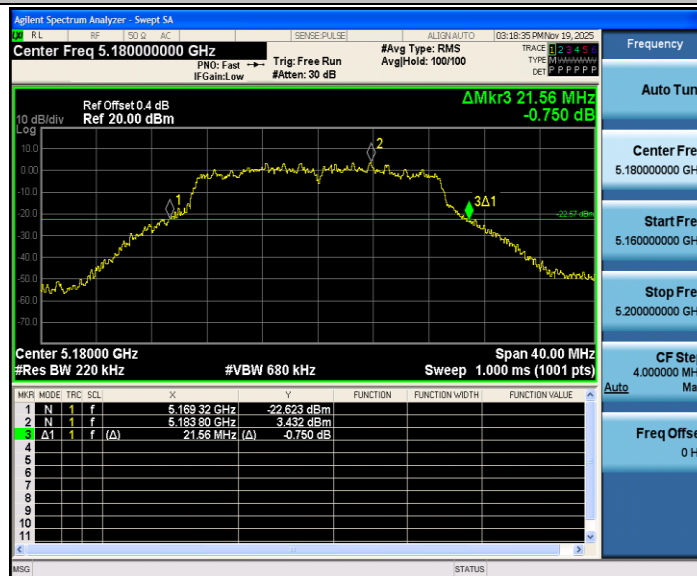
11A_Ant1_5785



11A_Ant1_5825



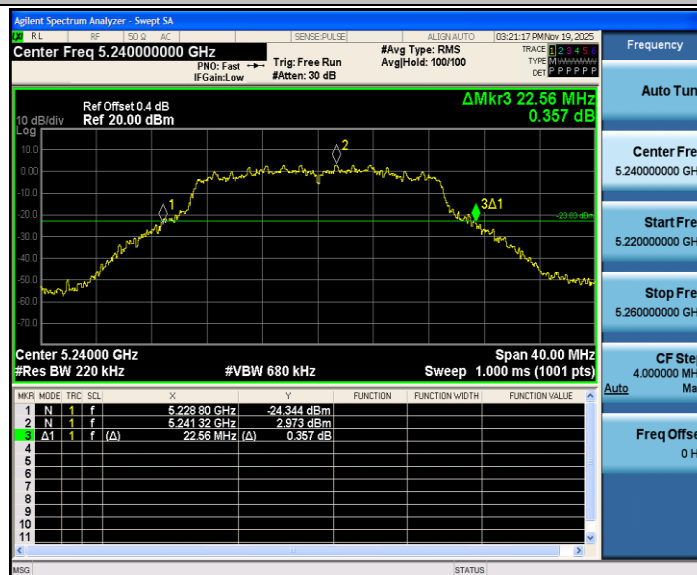
11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745

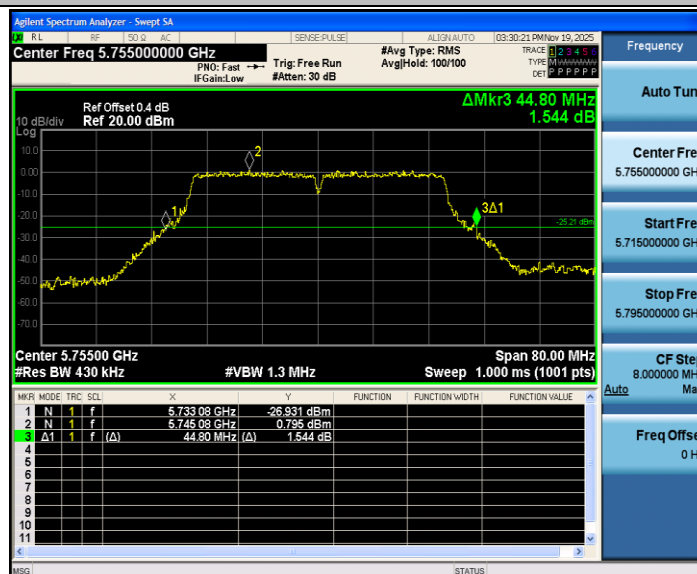




11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



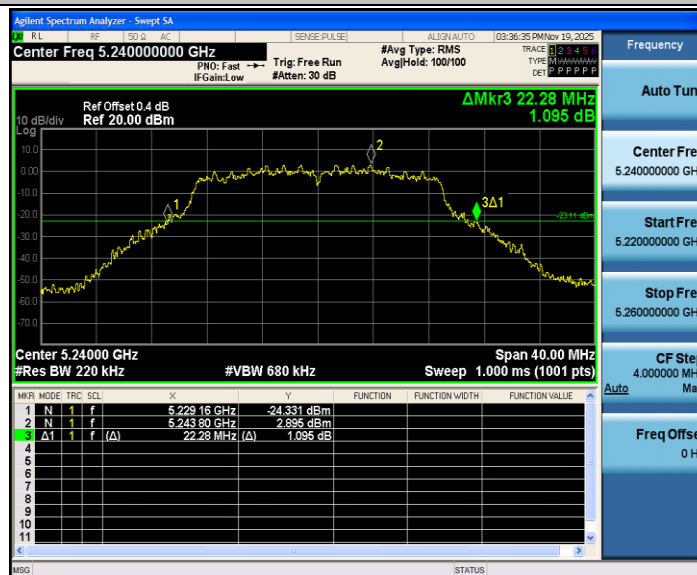
11AC20SISO_Ant1_5180



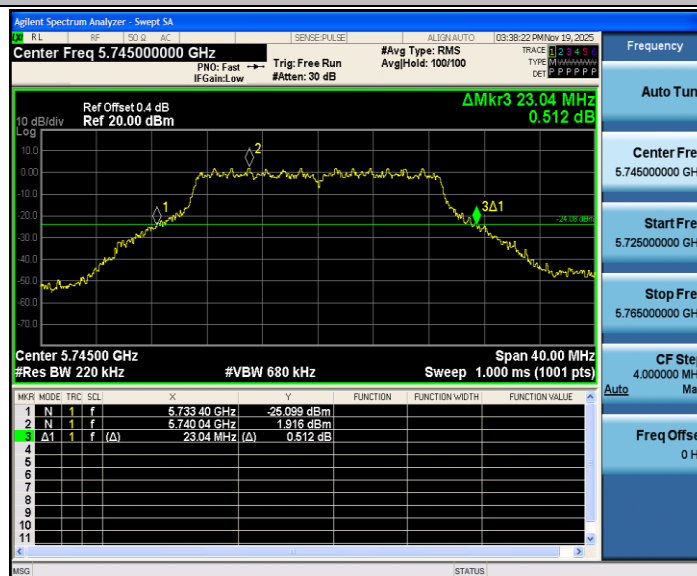
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



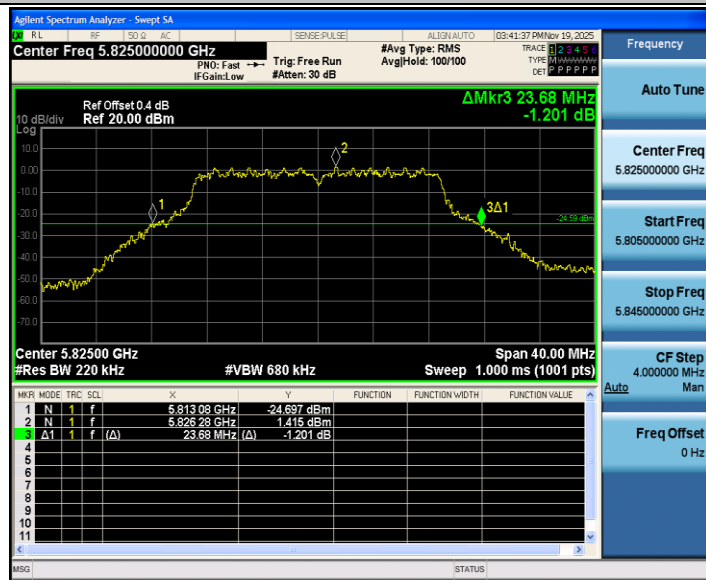
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



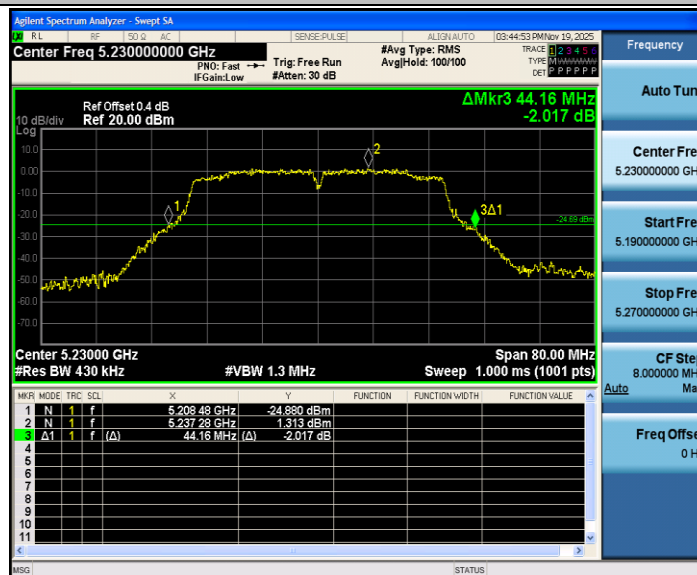
11AC20SISO_Ant1_5825



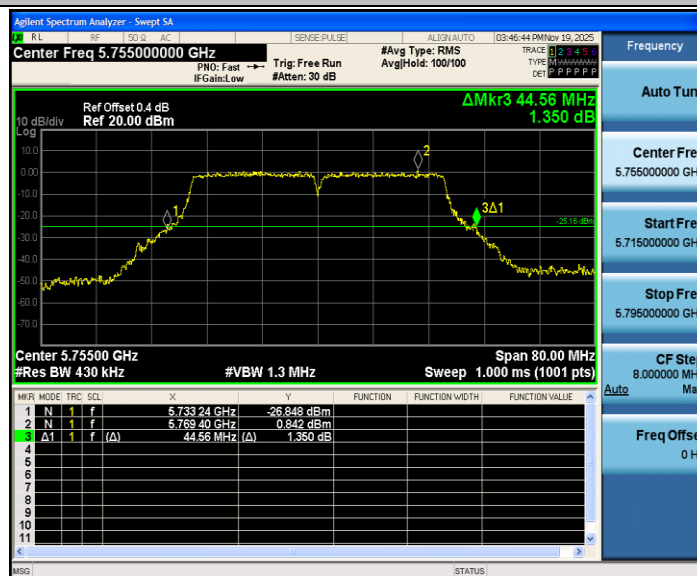
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



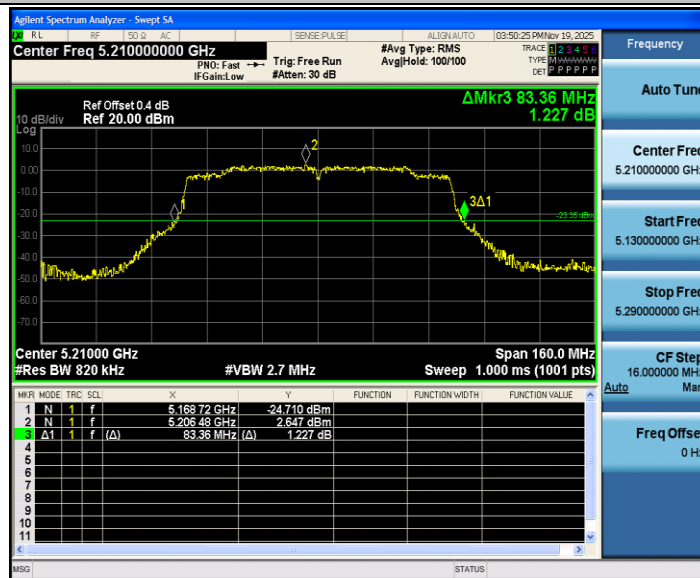
11AC40SISO_Ant1_5755



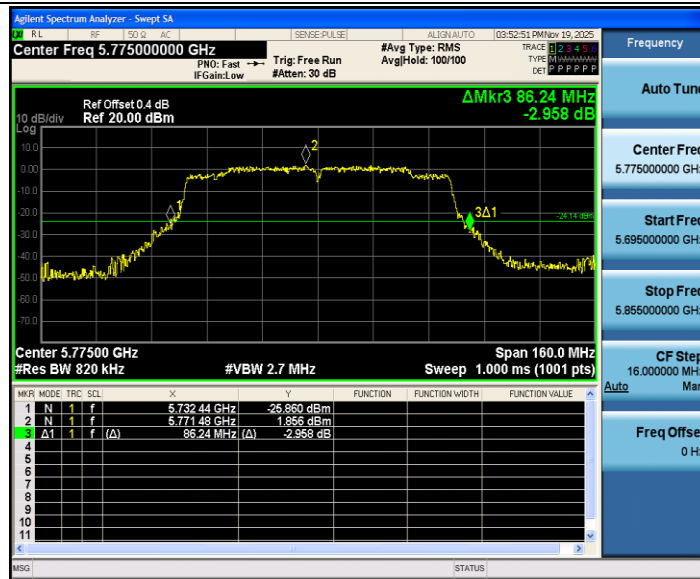
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



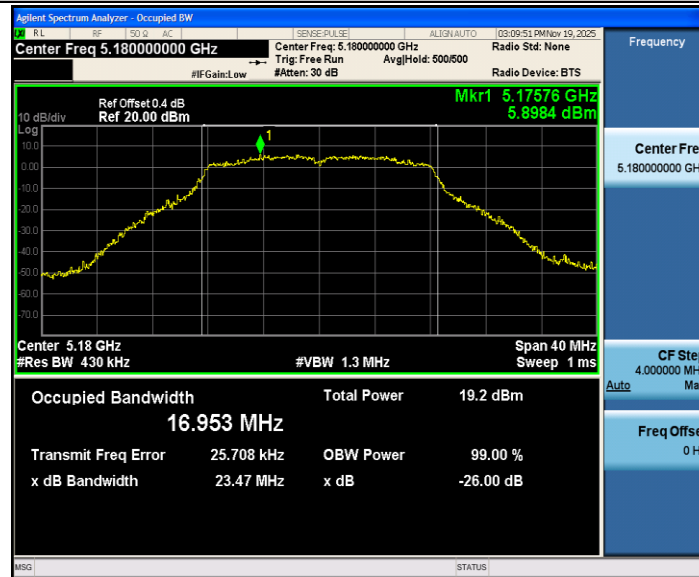
Appendix A2: Occupied channel bandwidth

Test Result

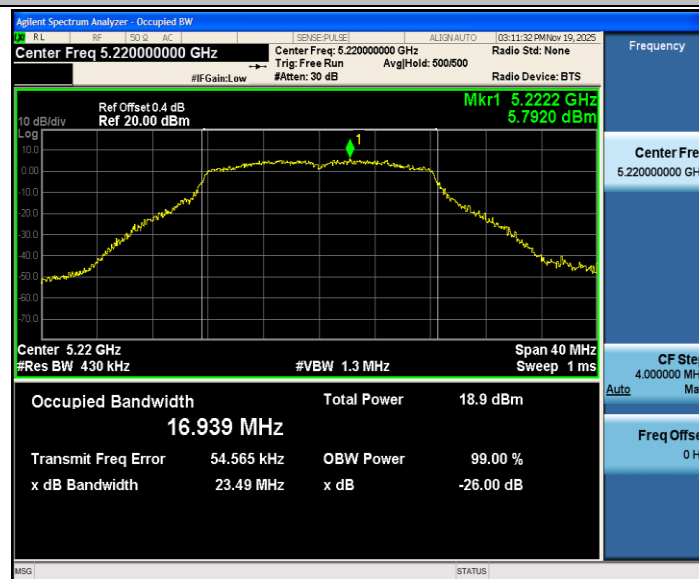
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.953	5171.5492	5188.5022	---	---
		5220	16.939	5211.5851	5228.5241	---	---
		5240	16.937	5231.5760	5248.5130	---	---
		5745	17.280	5736.3625	5753.6425	---	---
		5785	17.272	5776.3829	5793.6549	---	---
		5825	17.271	5816.4266	5833.6976	---	---
11N20SISO	Ant1	5180	17.970	5171.0341	5189.0041	---	---
		5220	18.074	5210.9826	5229.0566	---	---
		5240	18.013	5231.0503	5249.0633	---	---
		5745	18.358	5735.8294	5754.1874	---	---
		5785	18.265	5775.8881	5794.1531	---	---
		5825	18.336	5815.8630	5834.1990	---	---
11N40SISO	Ant1	5190	36.243	5172.0008	5208.2438	---	---
		5230	36.241	5211.9978	5248.2388	---	---
		5755	36.762	5736.6849	5773.4469	---	---
		5795	36.782	5776.6890	5813.4710	---	---
11AC20SISO	Ant1	5180	17.978	5171.0569	5189.0349	---	---
		5220	18.023	5211.0294	5229.0524	---	---
		5240	17.995	5231.0659	5249.0609	---	---
		5745	18.292	5735.8701	5754.1621	---	---
		5785	18.317	5775.8789	5794.1959	---	---
		5825	18.379	5815.8516	5834.2306	---	---
11AC40SISO	Ant1	5190	36.188	5172.0107	5208.1987	---	---
		5230	36.177	5212.0283	5248.2053	---	---
		5755	36.693	5736.7284	5773.4214	---	---
		5795	36.728	5776.7115	5813.4395	---	---
11AC80SISO	Ant1	5210	75.211	5172.6017	5247.8127	---	---
		5775	75.191	5737.5393	5812.7303	---	---

Test Graphs

11A_Ant1_5180



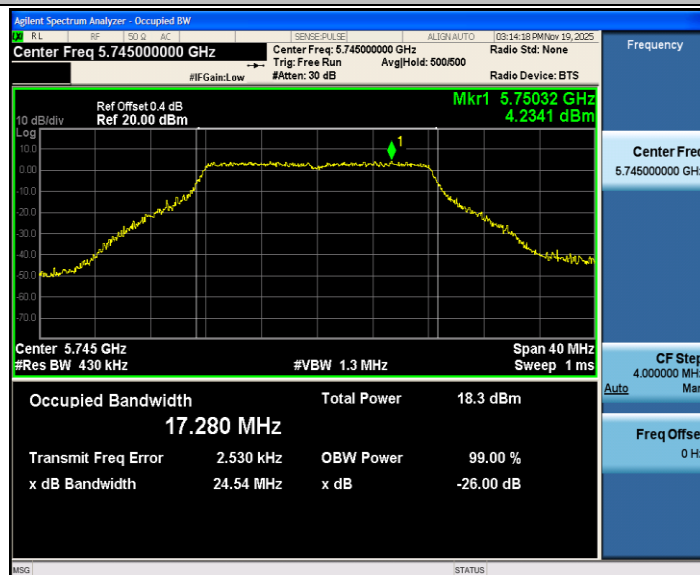
11A_Ant1_5220



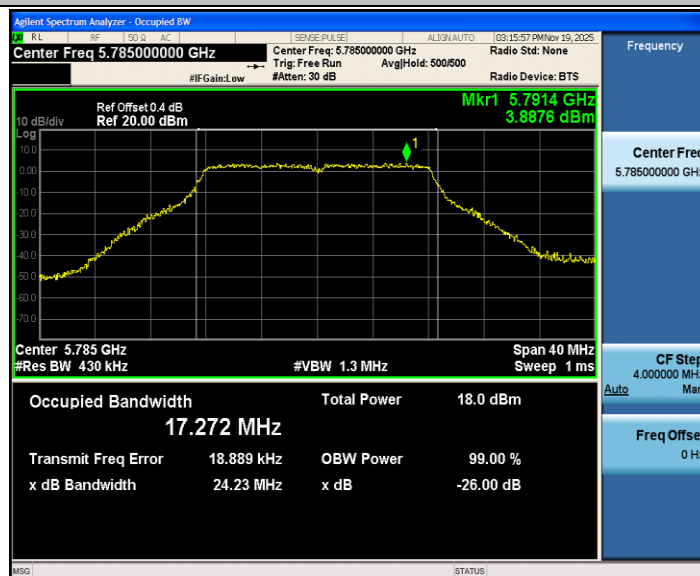
11A_Ant1_5240



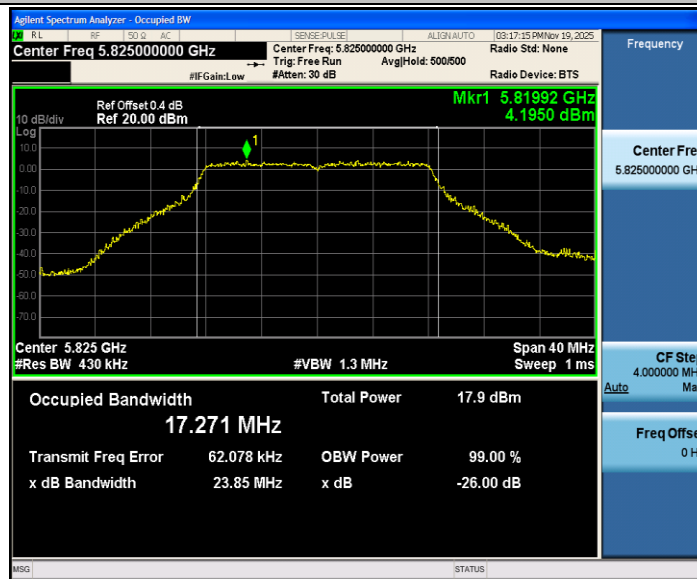
11A_Ant1_5745



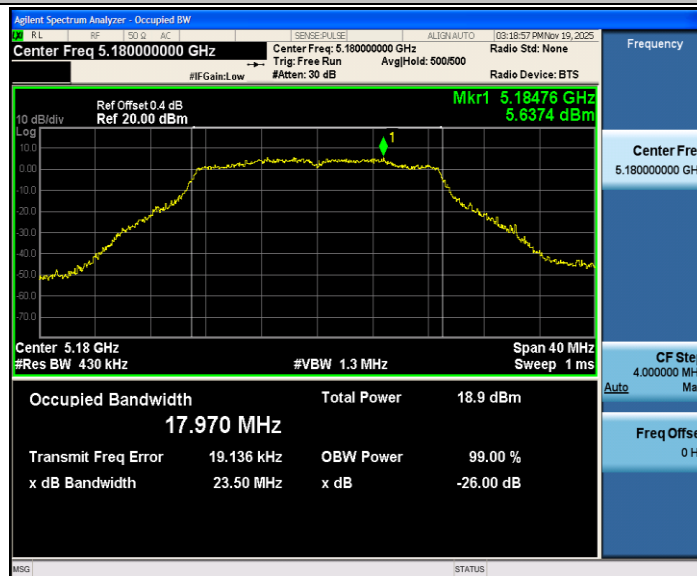
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



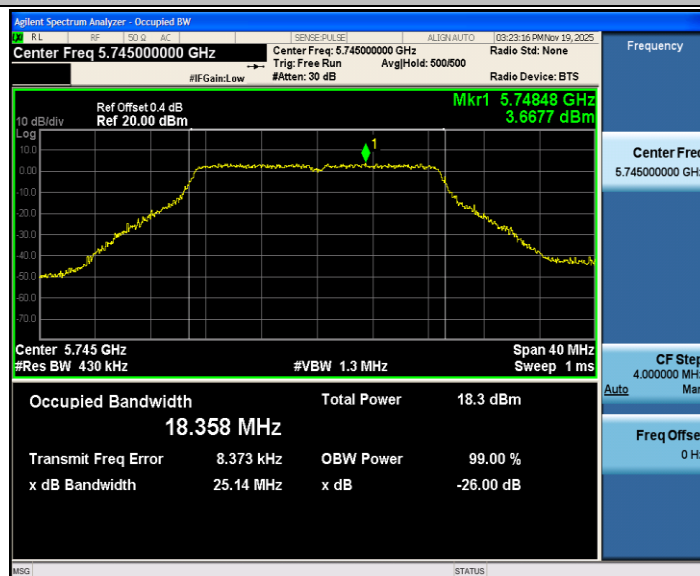
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240

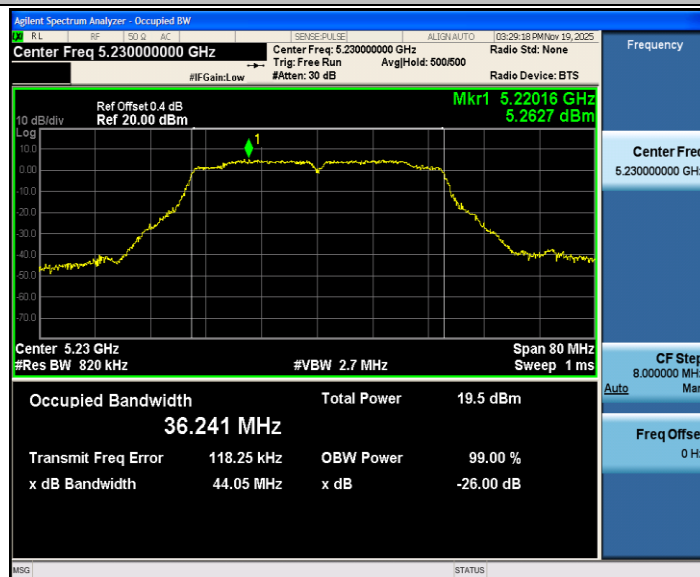


11N20SISO_Ant1_5745

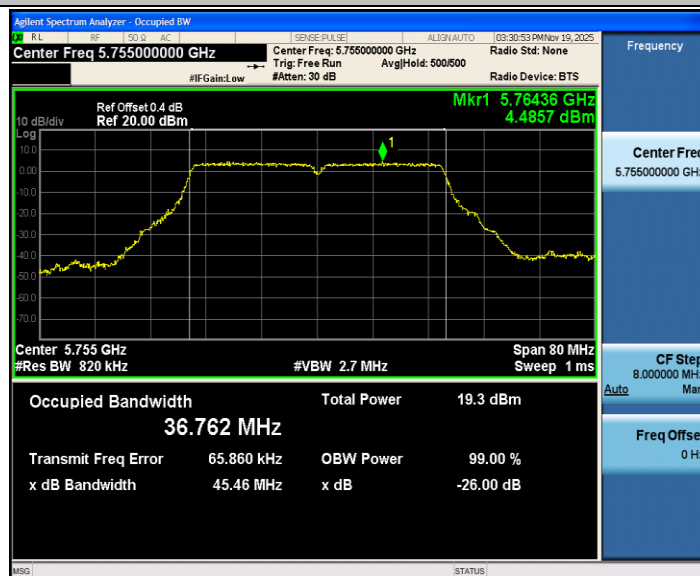




11N40SISO_Ant1_5230



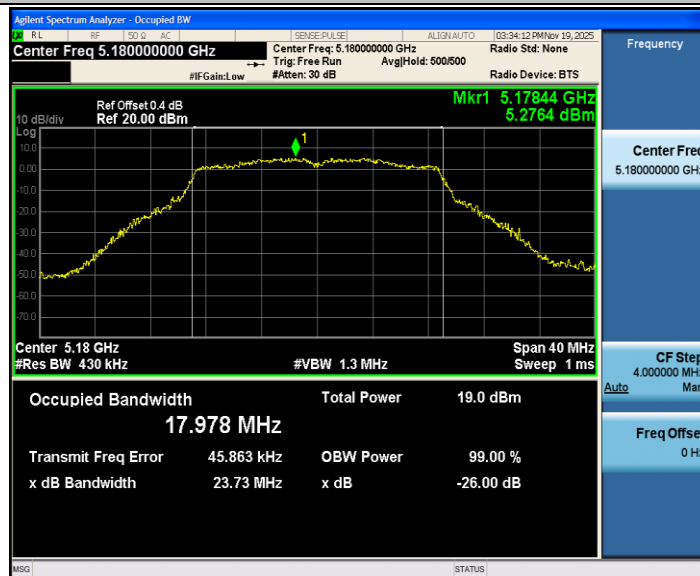
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



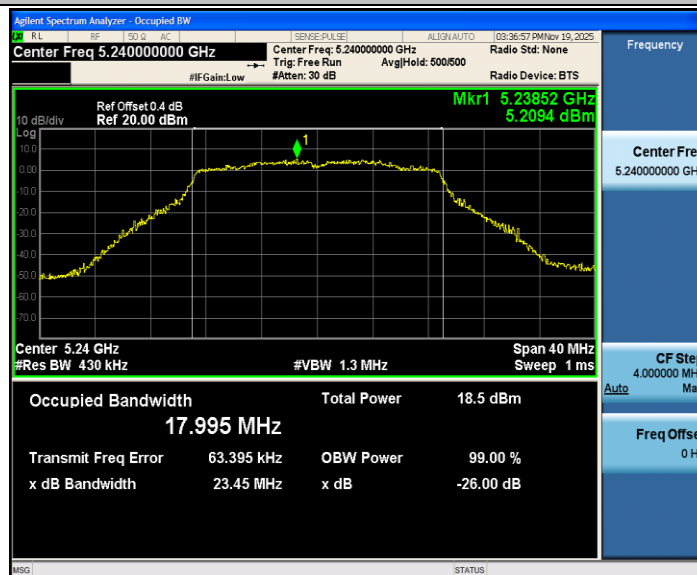
11AC20SISO_Ant1_5180



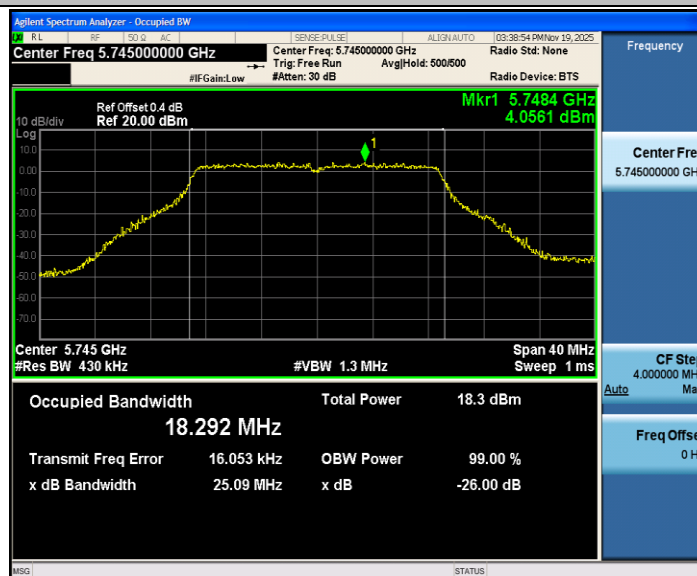
11AC20SISO_Ant1_5220



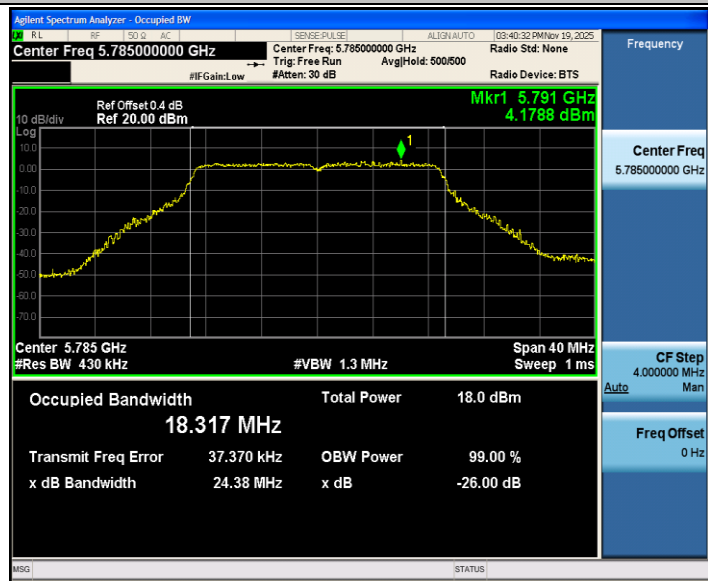
11AC20SISO_Ant1_5240



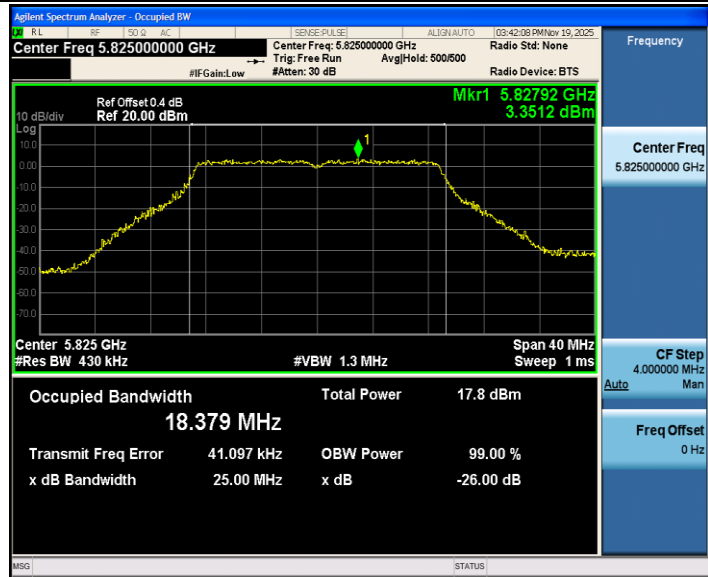
11AC20SISO_Ant1_5745



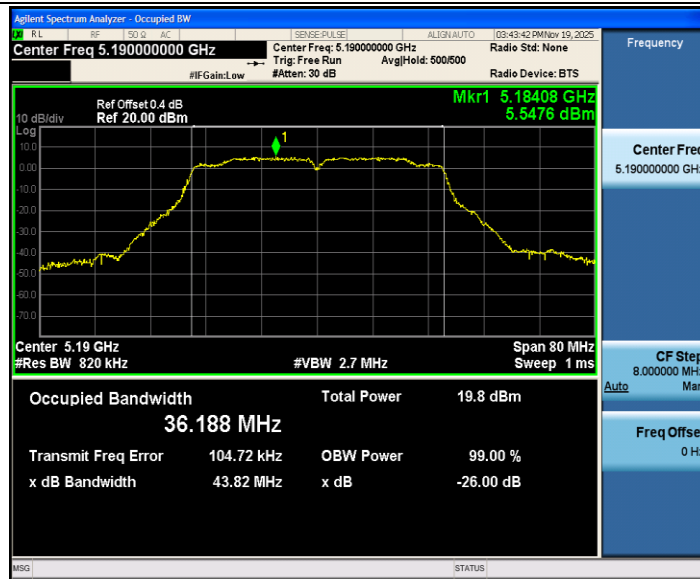
11AC20SISO_Ant1_5785



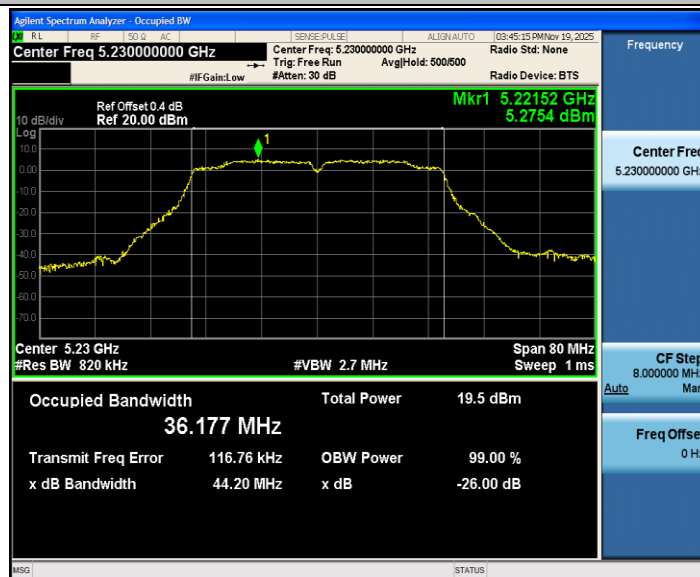
11AC20SISO_Ant1_5825



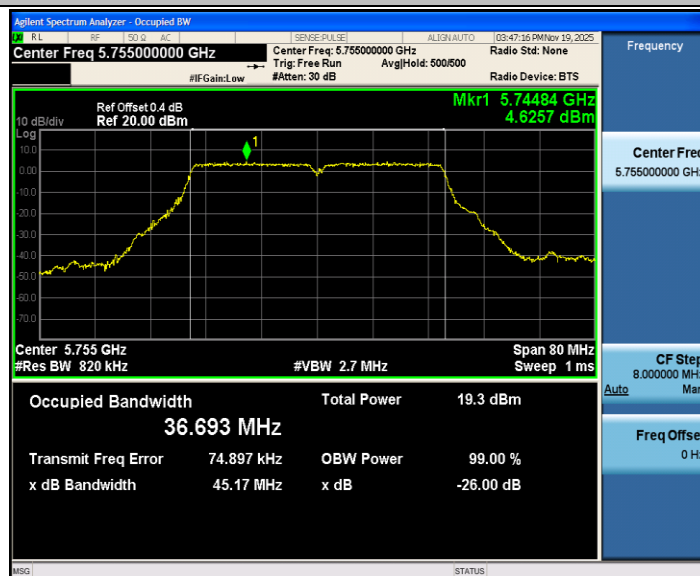
11AC40SISO_Ant1_5190



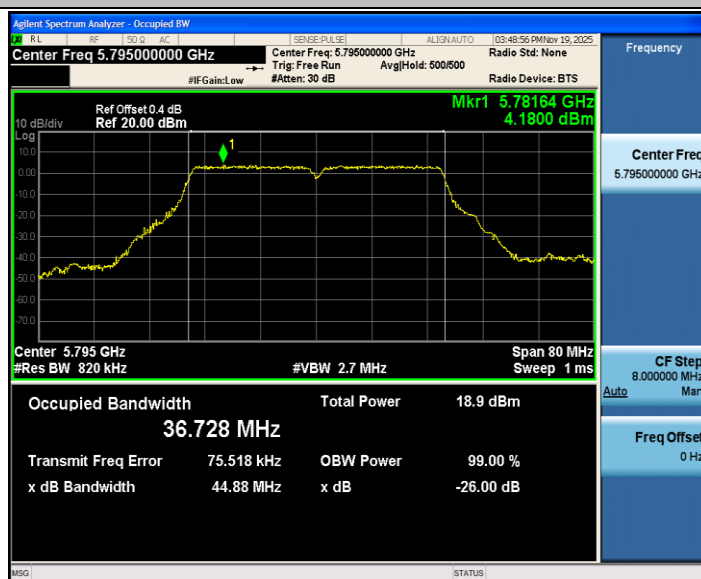
11AC40SISO_Ant1_5230



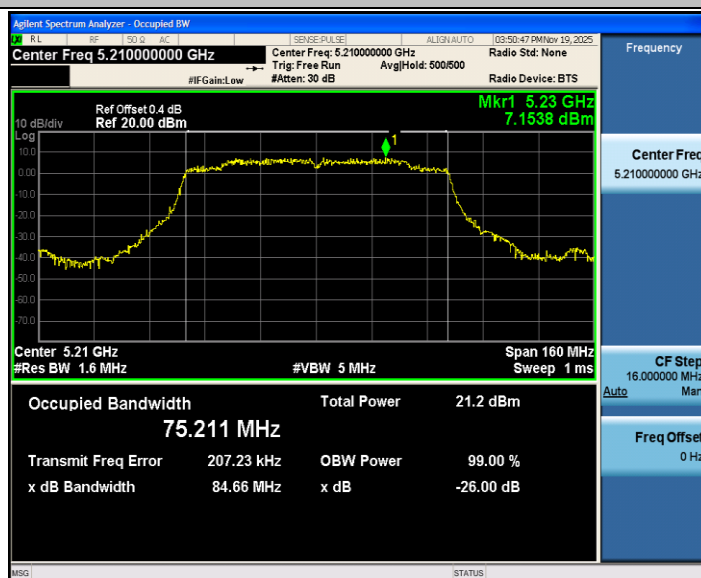
11AC40SISO_Ant1_5755



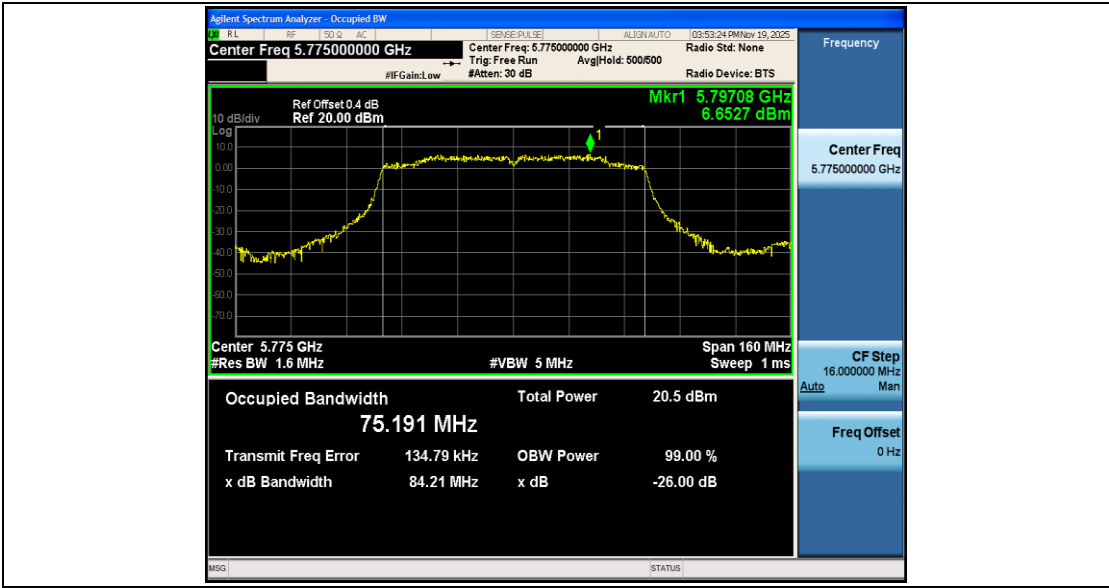
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



Appendix A3: Min emission bandwidth

Test Result B4

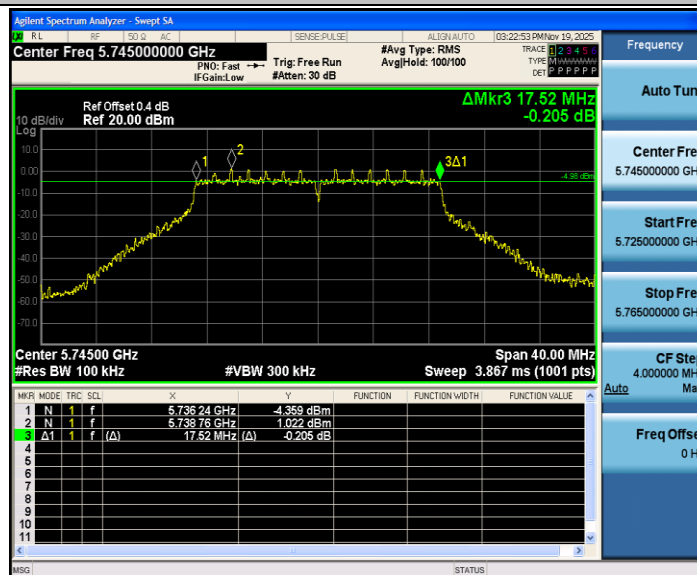
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.280	5736.840	5753.120	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.520	5736.240	5753.760	0.5	PASS
		5785	17.240	5776.240	5793.480	0.5	PASS
		5825	16.960	5816.840	5833.800	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	17.280	5736.240	5753.520	0.5	PASS
		5785	17.560	5776.240	5793.800	0.5	PASS
		5825	17.520	5816.240	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	35.920	5736.840	5772.760	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

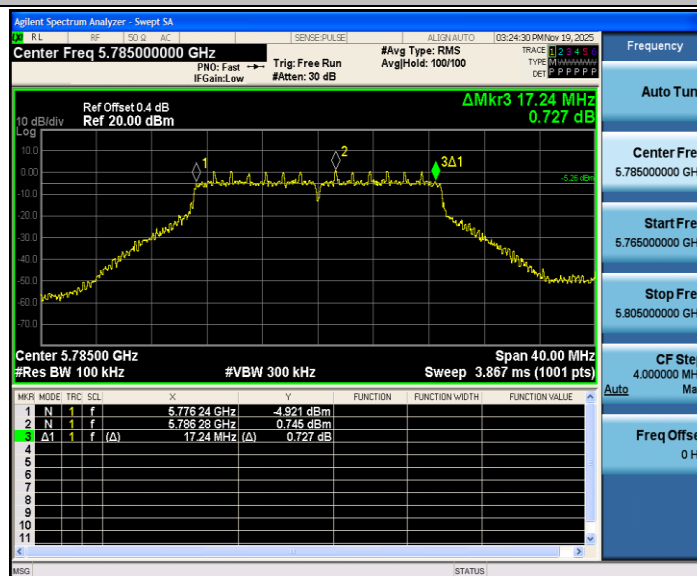




11N20SISO_Ant1_5745



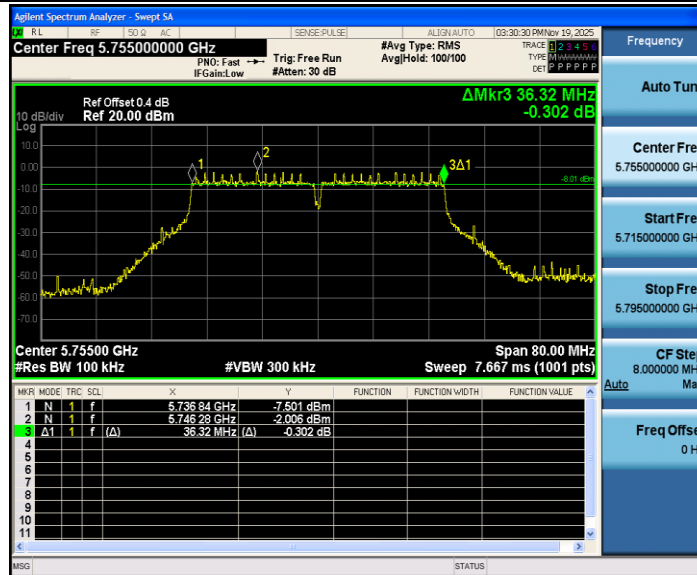
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785

