

FCC Appendix RF Test Data for 5GWIFI

FCC ID : R38YLCPK21

**Company : Yulong Computer Telecommunication
Scientific (Shenzhen) Co., Ltd**

EUT : Smart Phone

Model Number : K21

Report No. : CTA25091901817

Reviewed By : Eric Wang

Appendix A1: Emission Bandwidth

Test Result

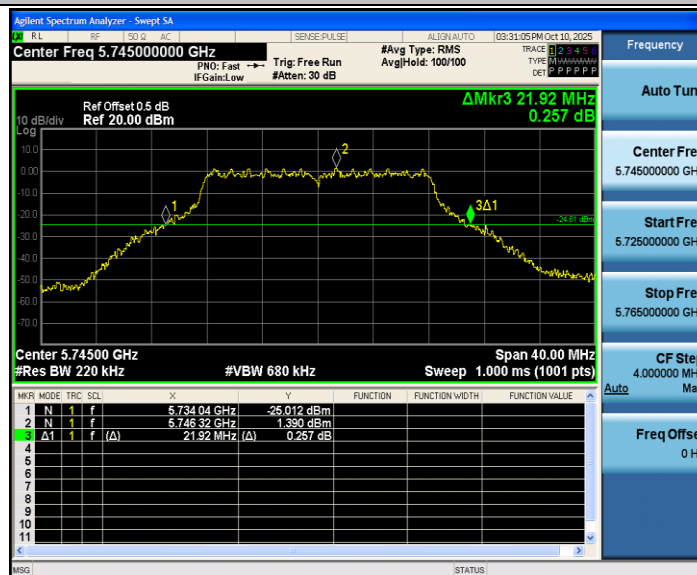
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.800	5168.440	5191.240	---	---
		5220	21.840	5209.120	5230.960	---	---
		5240	22.080	5229.000	5251.080	---	---
		5745	21.920	5734.040	5755.960	---	---
		5785	23.040	5773.640	5796.680	---	---
		5825	22.840	5813.640	5836.480	---	---
11N20SISO	Ant1	5180	22.480	5168.920	5191.400	---	---
		5220	22.640	5209.040	5231.680	---	---
		5240	22.840	5228.600	5251.440	---	---
		5745	23.280	5733.280	5756.560	---	---
		5785	23.880	5772.840	5796.720	---	---
		5825	24.040	5813.360	5837.400	---	---
11N40SISO	Ant1	5190	43.520	5169.120	5212.640	---	---
		5230	43.520	5209.120	5252.640	---	---
		5755	45.520	5732.440	5777.960	---	---
		5795	44.800	5773.080	5817.880	---	---
11AC20SISO	Ant1	5180	22.360	5169.000	5191.360	---	---
		5220	21.920	5209.200	5231.120	---	---
		5240	22.280	5229.080	5251.360	---	---
		5745	23.600	5733.240	5756.840	---	---
		5785	23.800	5773.320	5797.120	---	---
		5825	23.200	5813.360	5836.560	---	---
11AC40SISO	Ant1	5190	43.120	5169.200	5212.320	---	---
		5230	41.840	5209.520	5251.360	---	---
		5755	43.920	5733.960	5777.880	---	---
		5795	44.480	5773.400	5817.880	---	---
11AC80SISO	Ant1	5210	84.960	5168.240	5253.200	---	---
		5775	84.000	5733.240	5817.240	---	---

Test Graphs

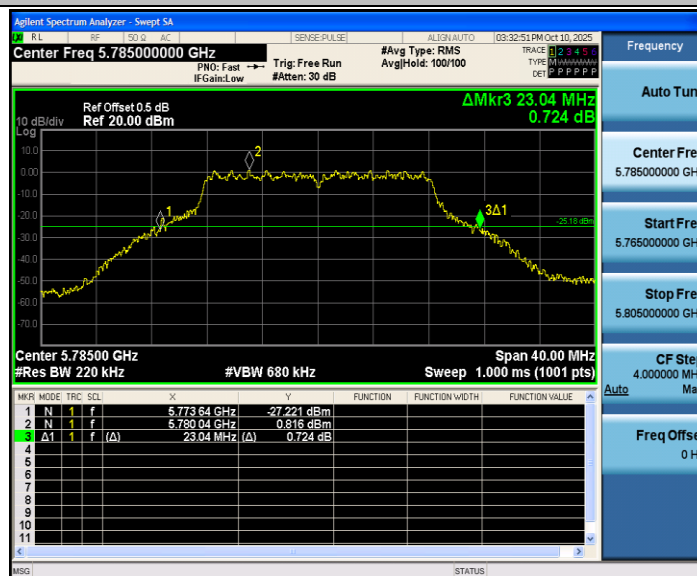




11A_Ant1_5745



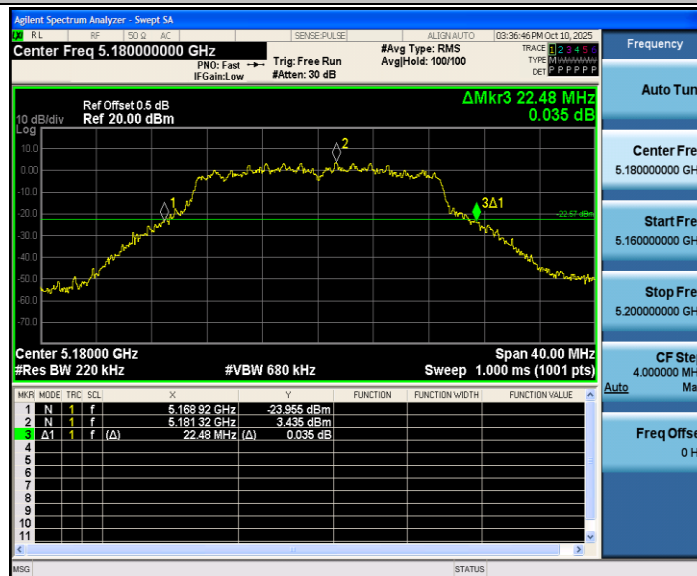
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



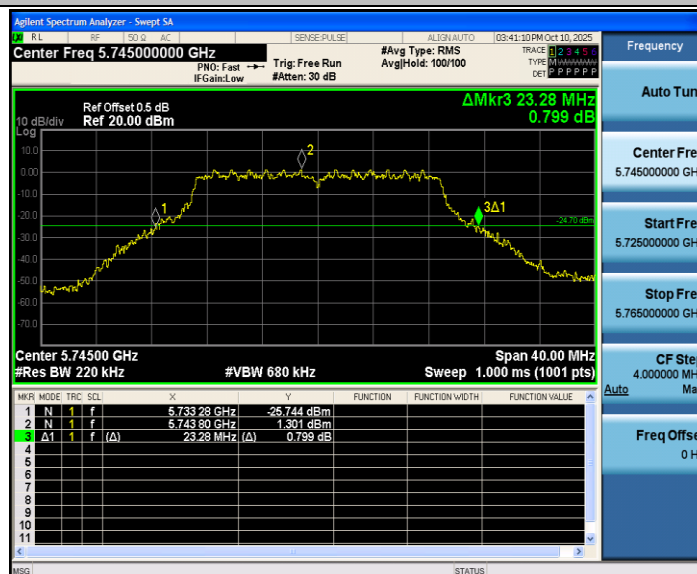
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



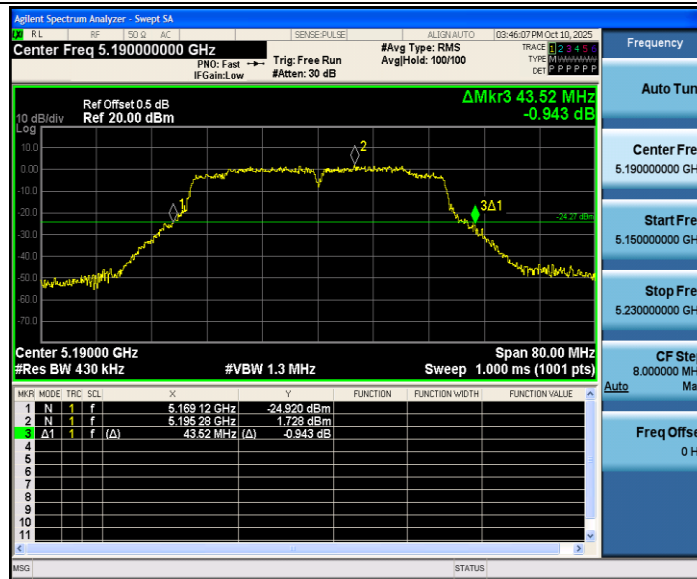
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



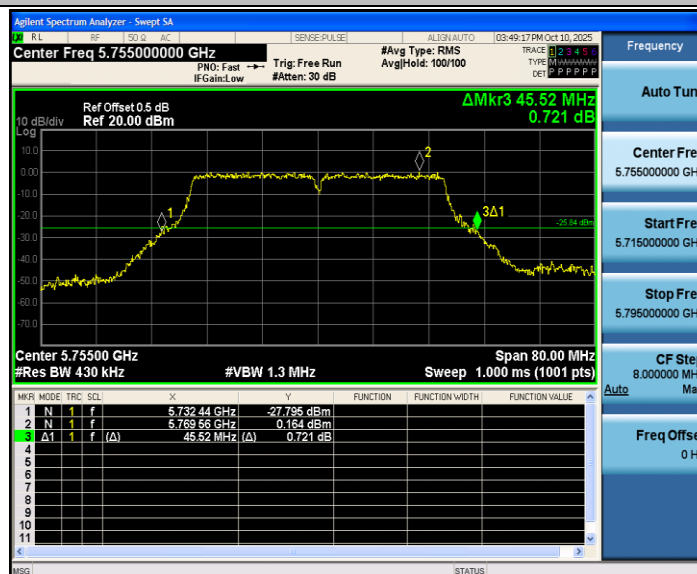
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



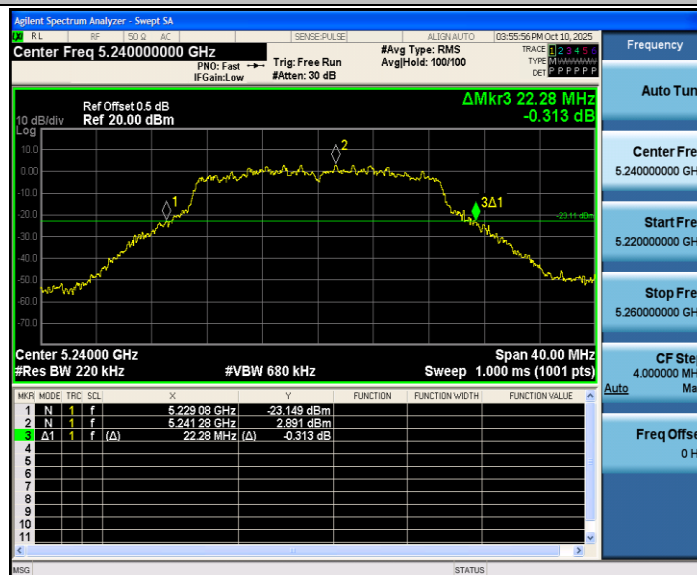
11AC20SISO_Ant1_5180



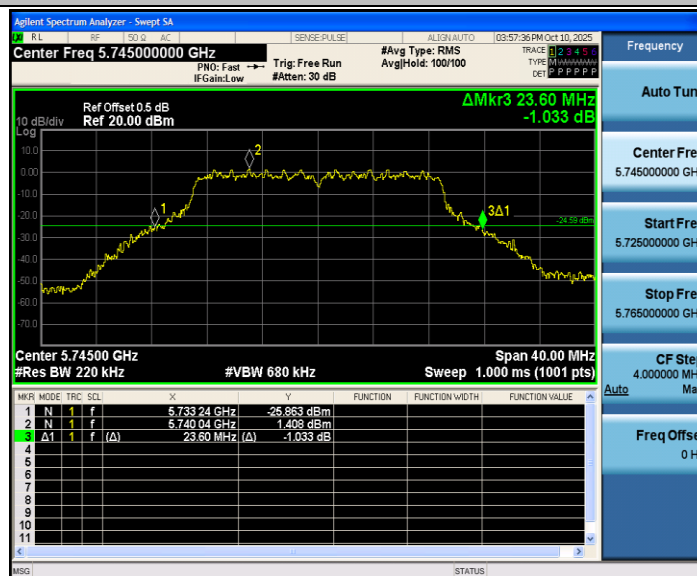
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



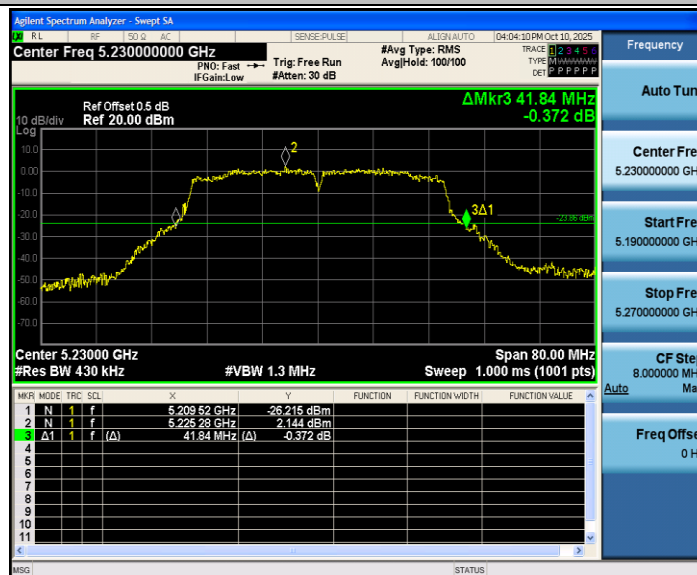
11AC20SISO_Ant1_5825



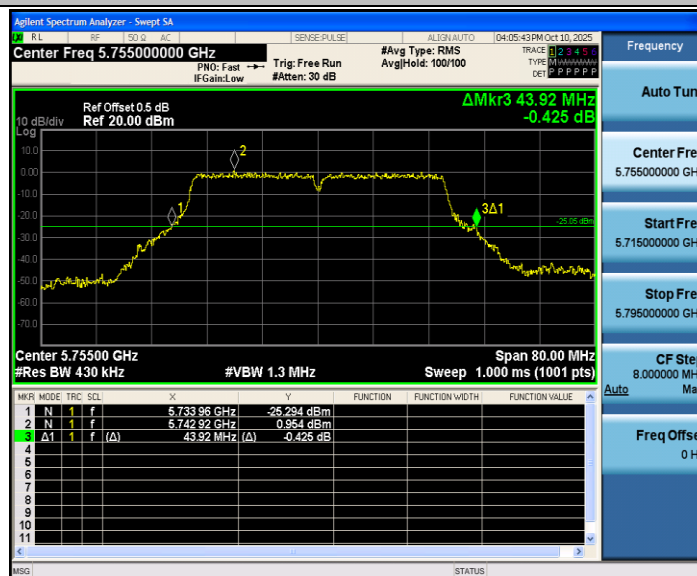
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



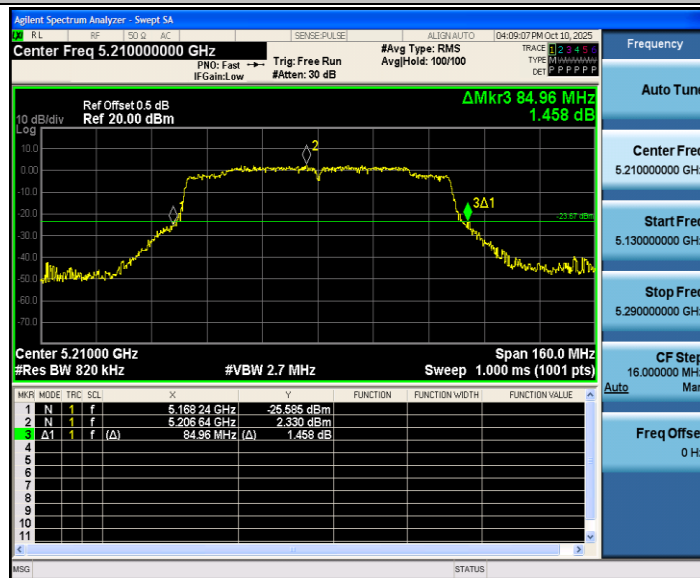
11AC40SISO_Ant1_5755



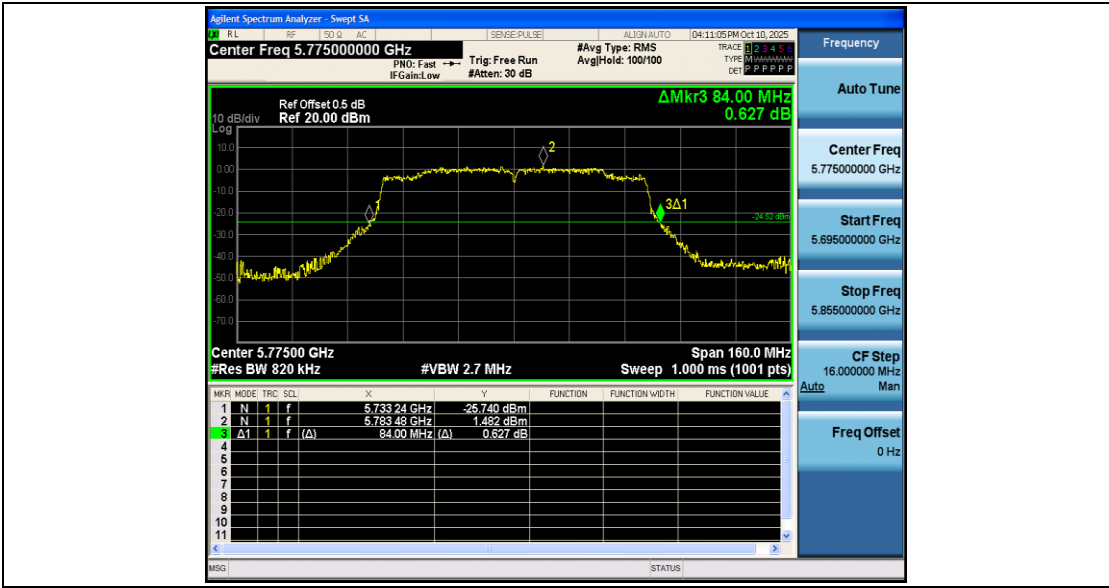
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

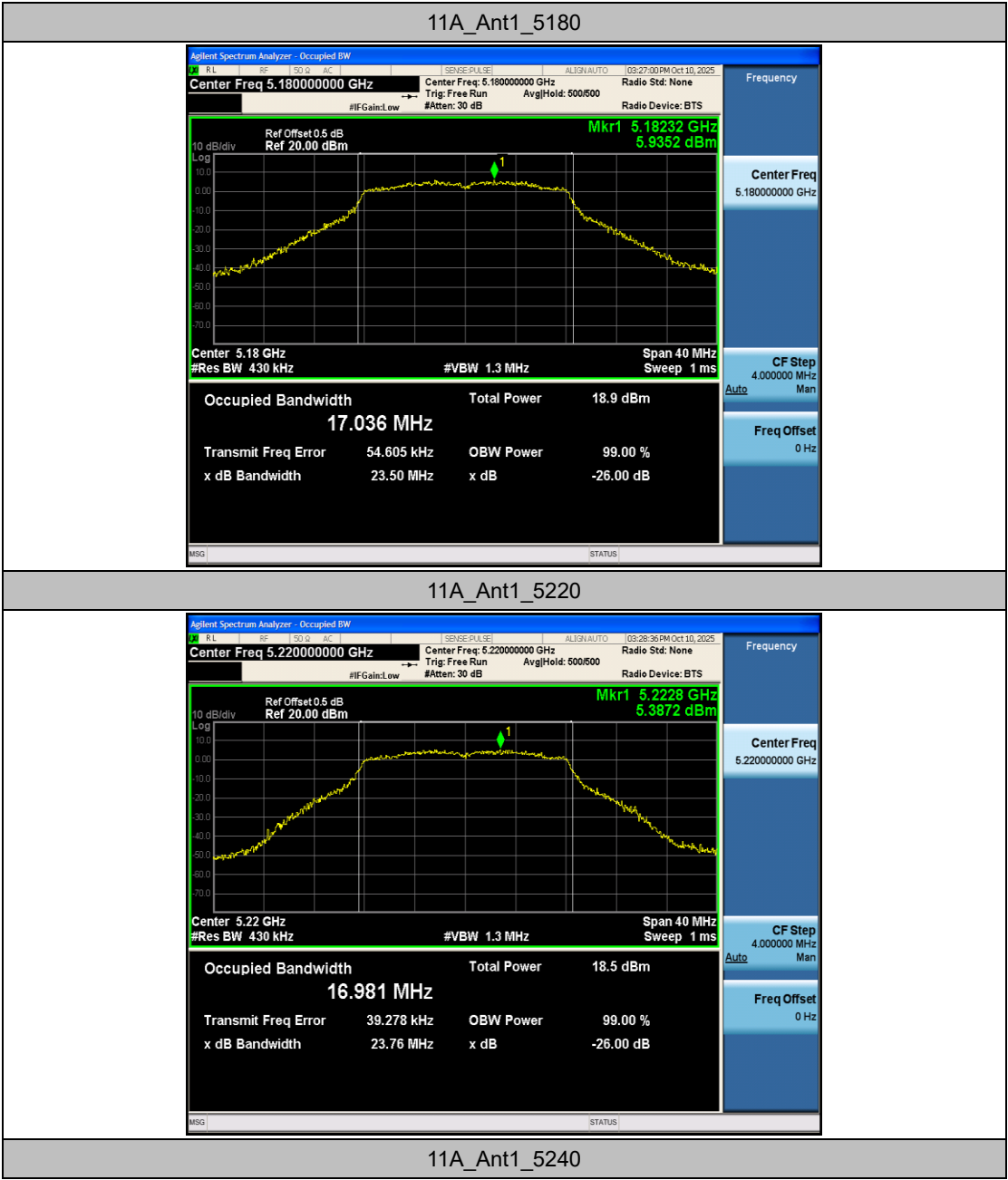


Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.036	5171.5366	5188.5726	---	---
		5220	16.981	5211.5488	5228.5298	---	---
		5240	16.936	5231.5936	5248.5296	---	---
		5745	17.324	5736.3567	5753.6807	---	---
		5785	17.279	5776.3968	5793.6758	---	---
		5825	17.285	5816.3942	5833.6792	---	---
11N20SISO	Ant1	5180	17.985	5171.0510	5189.0360	---	---
		5220	18.033	5211.0273	5229.0603	---	---
		5240	18.011	5231.0646	5249.0756	---	---
		5745	18.334	5735.8391	5754.1731	---	---
		5785	18.370	5775.8272	5794.1972	---	---
		5825	18.356	5815.8228	5834.1788	---	---
11N40SISO	Ant1	5190	36.164	5172.0184	5208.1824	---	---
		5230	36.211	5211.9846	5248.1956	---	---
		5755	36.781	5736.7110	5773.4920	---	---
		5795	36.737	5776.7030	5813.4400	---	---
11AC20SISO	Ant1	5180	18.001	5171.0550	5189.0560	---	---
		5220	17.970	5211.0748	5229.0448	---	---
		5240	18.039	5231.0393	5249.0783	---	---
		5745	18.313	5735.8583	5754.1713	---	---
		5785	18.277	5775.8876	5794.1646	---	---
		5825	18.300	5815.9093	5834.2093	---	---
11AC40SISO	Ant1	5190	36.149	5171.9945	5208.1435	---	---
		5230	36.183	5211.9870	5248.1700	---	---
		5755	36.697	5736.7178	5773.4148	---	---
		5795	36.701	5776.7212	5813.4222	---	---
11AC80SISO	Ant1	5210	75.211	5172.5597	5247.7707	---	---
		5775	75.192	5737.5442	5812.7362	---	---

Test Graphs

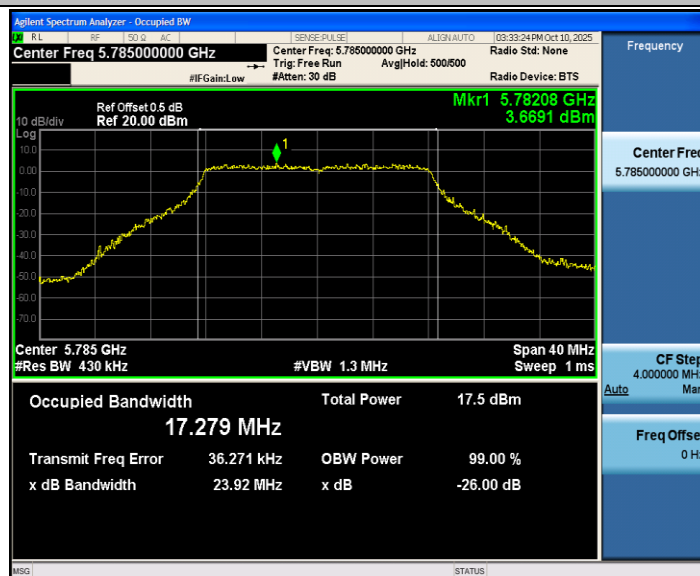




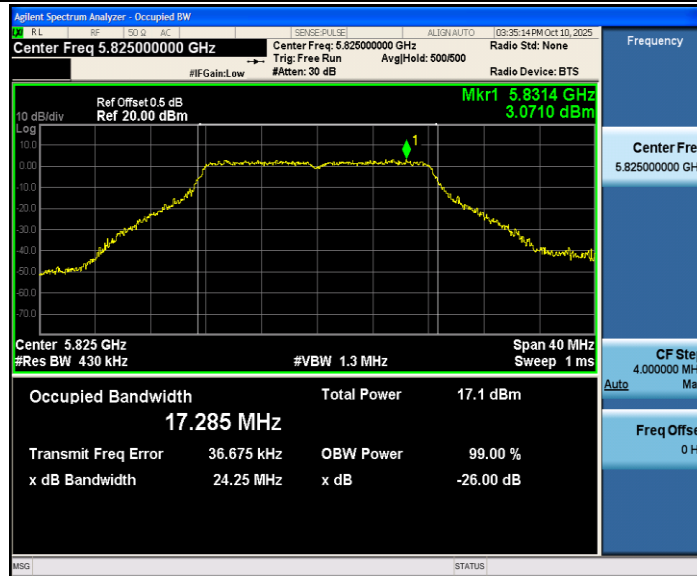
11A_Ant1_5745



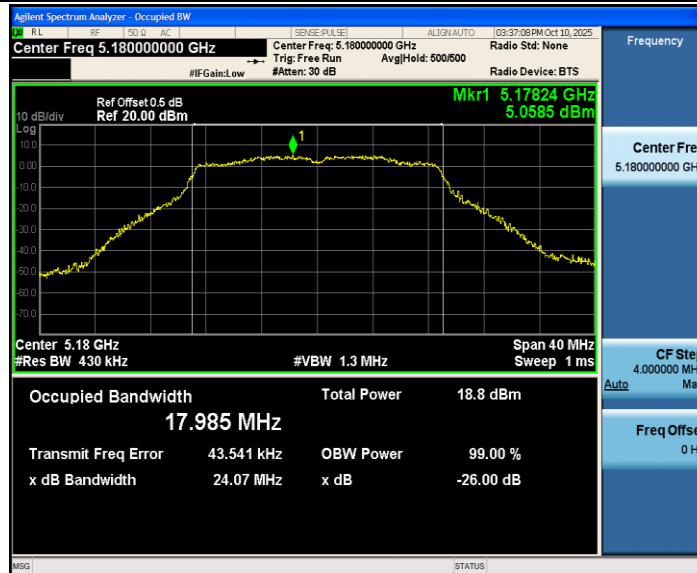
11A_Ant1_5785



11A_Ant1_5825



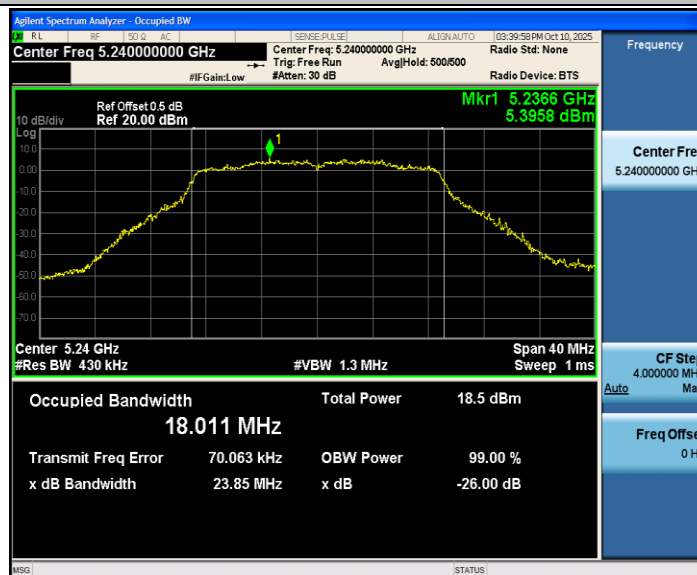
11N20SISO_Ant1_5180



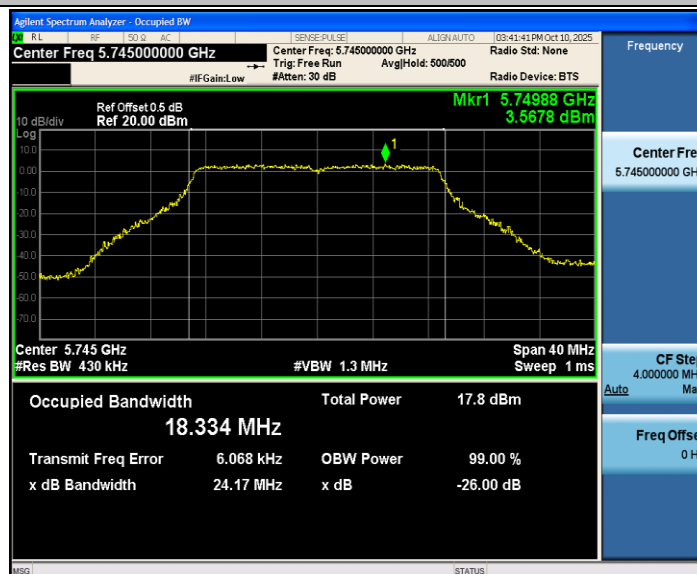
11N20SISO_Ant1_5220



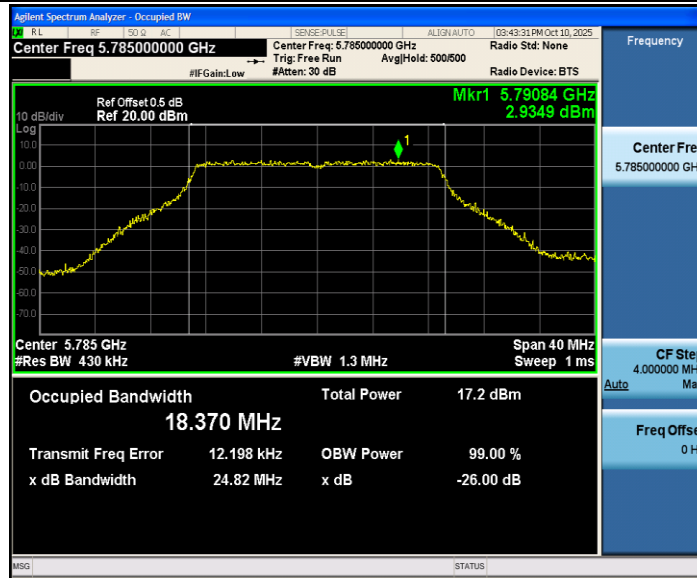
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



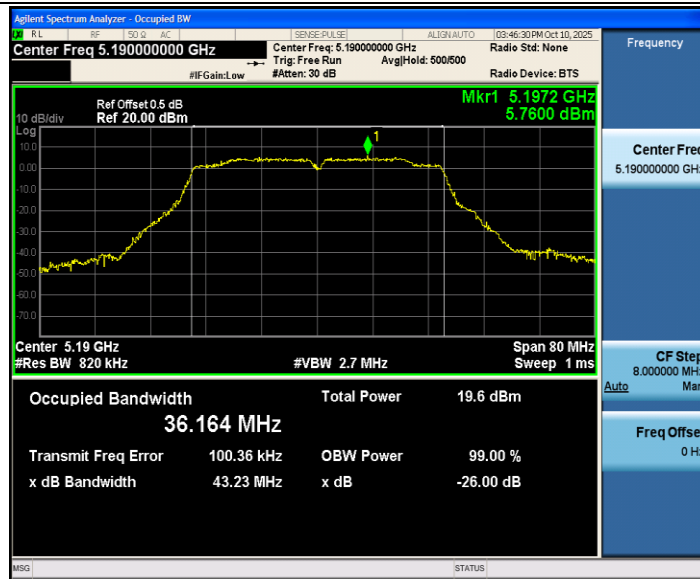
11N20SISO_Ant1_5785



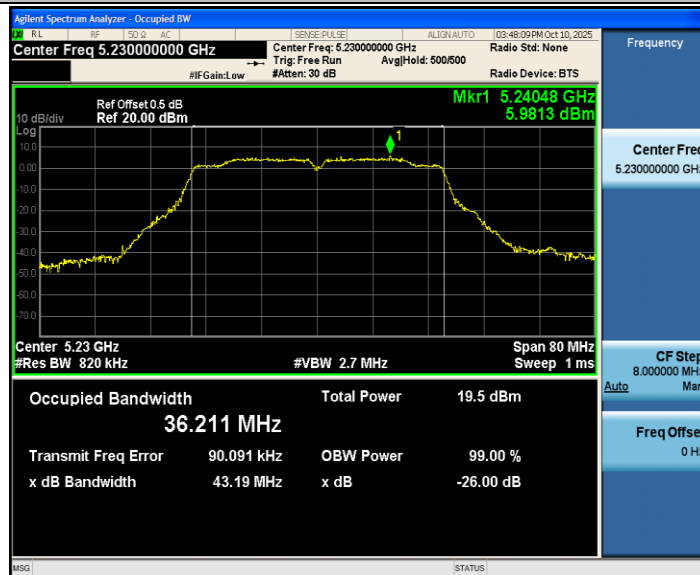
11N20SISO_Ant1_5825



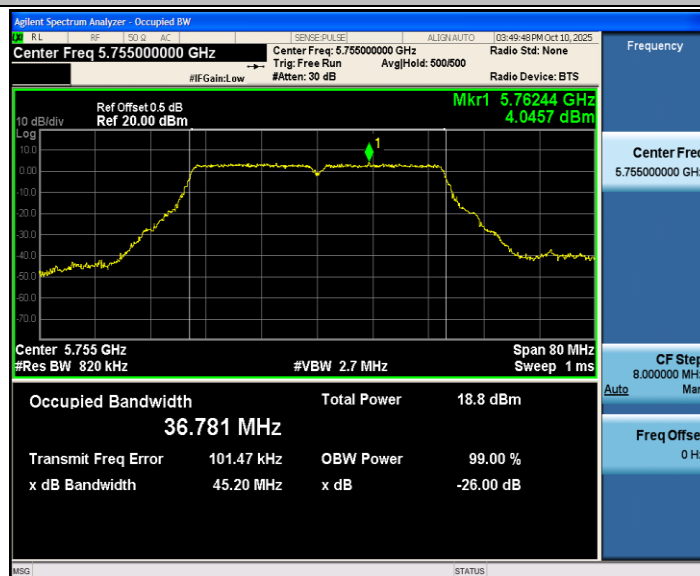
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



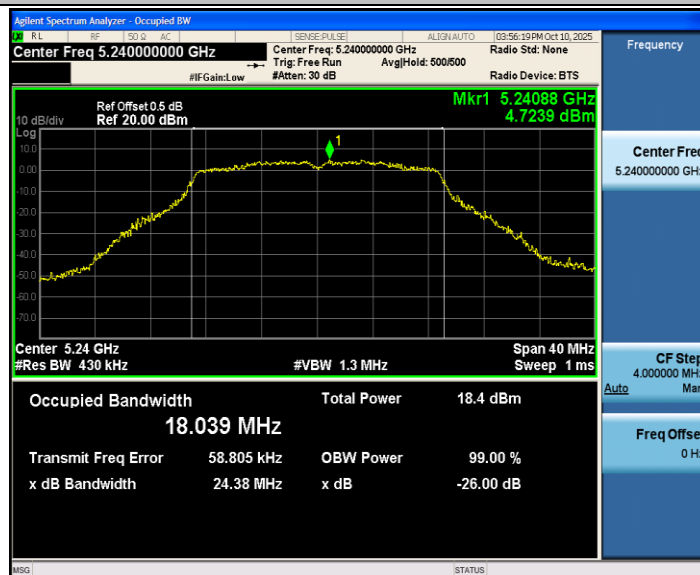
11AC20SISO_Ant1_5180



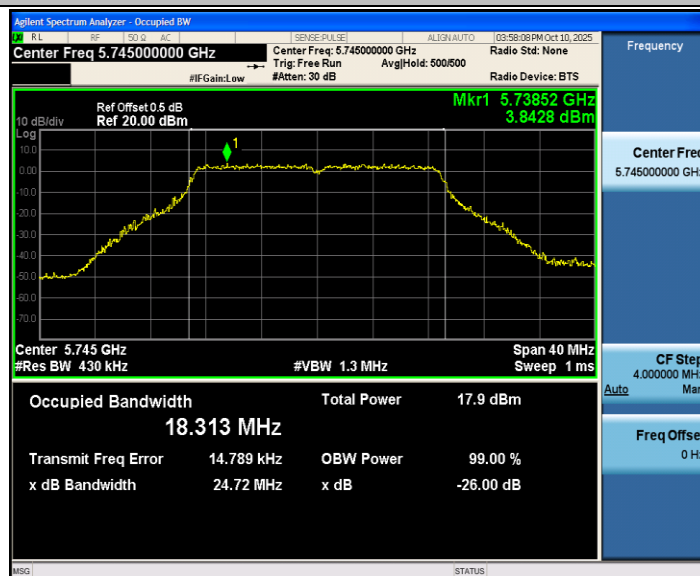
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



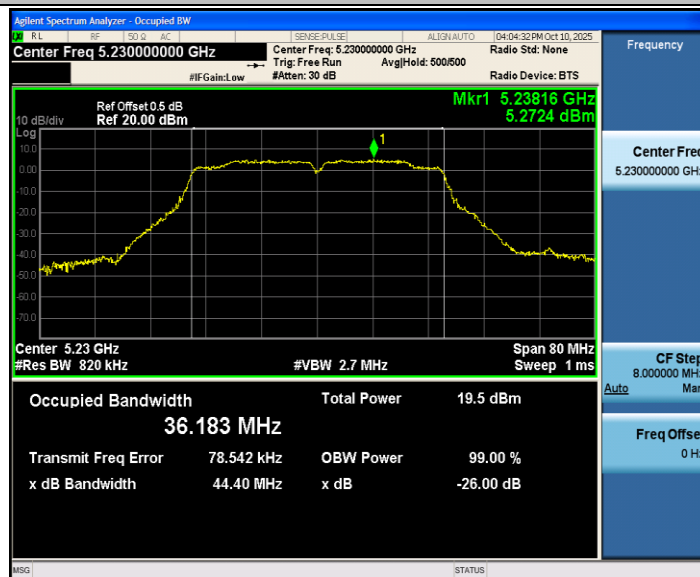
11AC20SISO_Ant1_5825



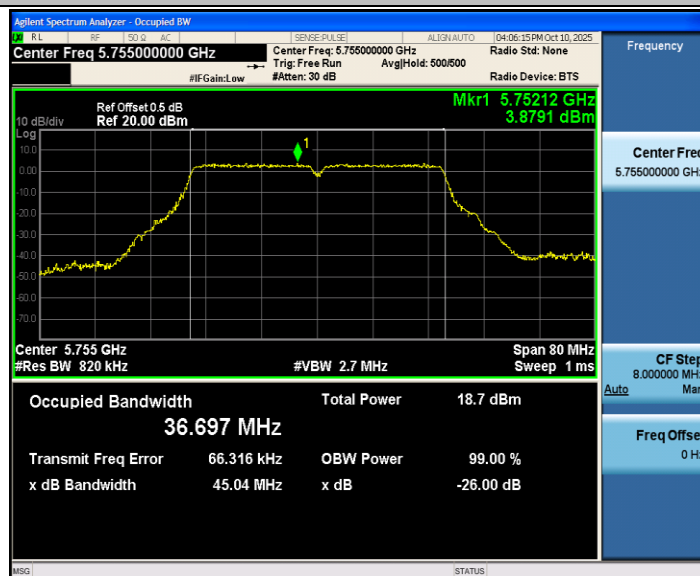
11AC40SISO_Ant1_5190



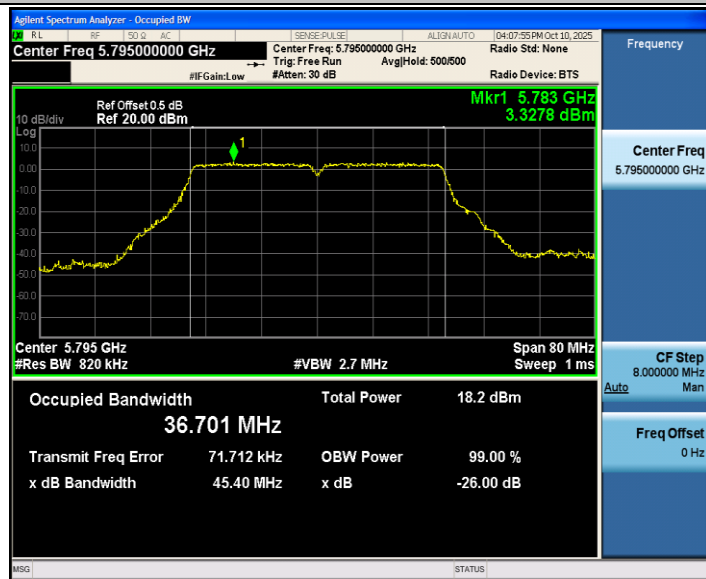
11AC40SISO_Ant1_5230



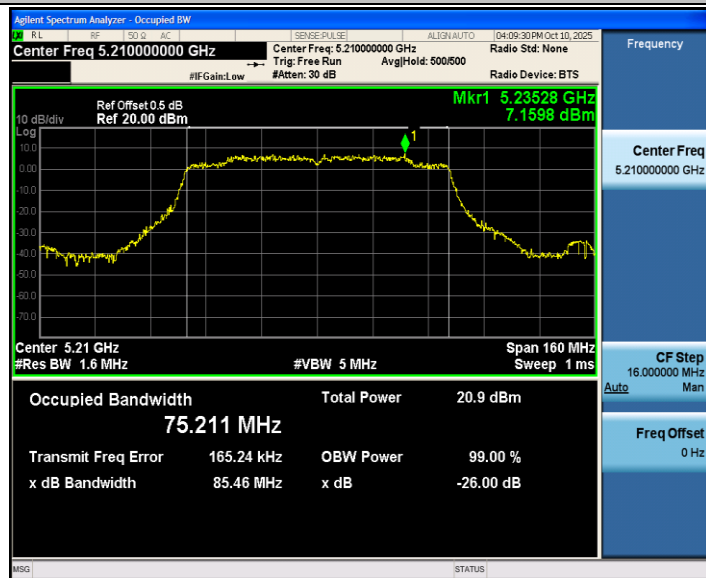
11AC40SISO_Ant1_5755



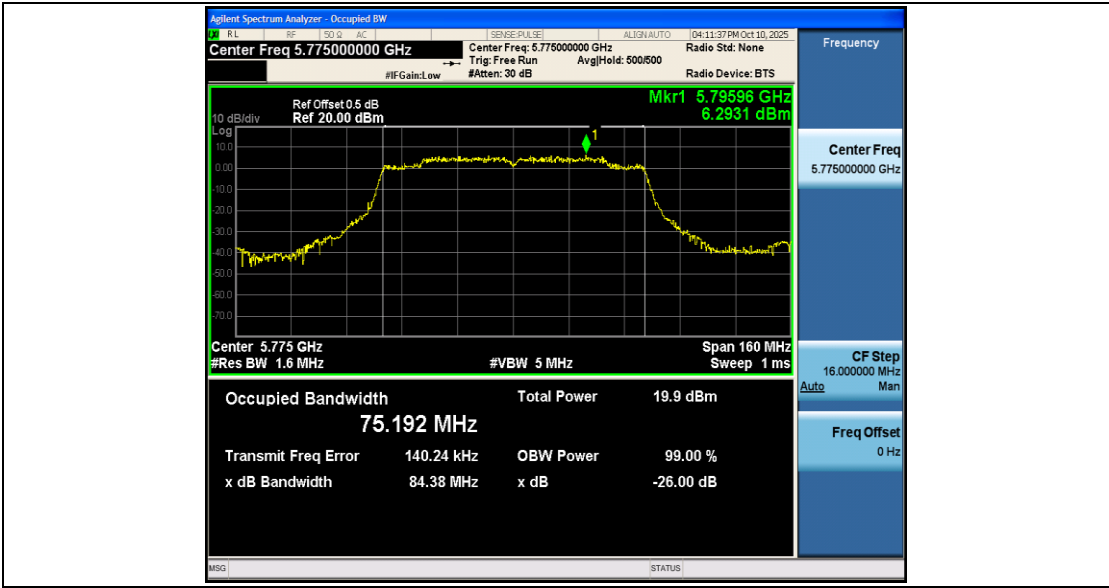
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



Appendix A3: Min emission bandwidth

Test Result B4

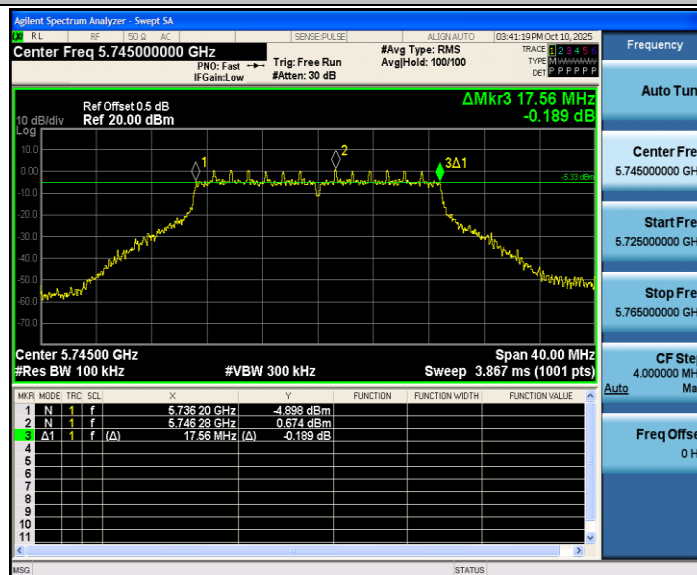
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.280	5776.840	5793.120	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.560	5736.200	5753.760	0.5	PASS
		5785	17.520	5776.240	5793.760	0.5	PASS
		5825	17.280	5816.240	5833.520	0.5	PASS
11N40SISO	Ant1	5755	35.840	5737.000	5772.840	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.520	5736.240	5753.760	0.5	PASS
		5785	17.520	5776.240	5793.760	0.5	PASS
		5825	17.520	5816.240	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.080	5737.080	5773.160	0.5	PASS
		5795	36.240	5776.920	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

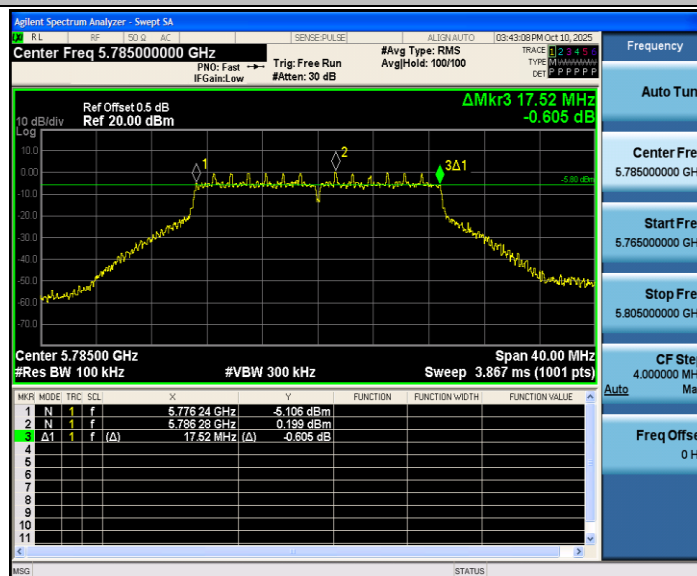




11N20SISO_Ant1_5745



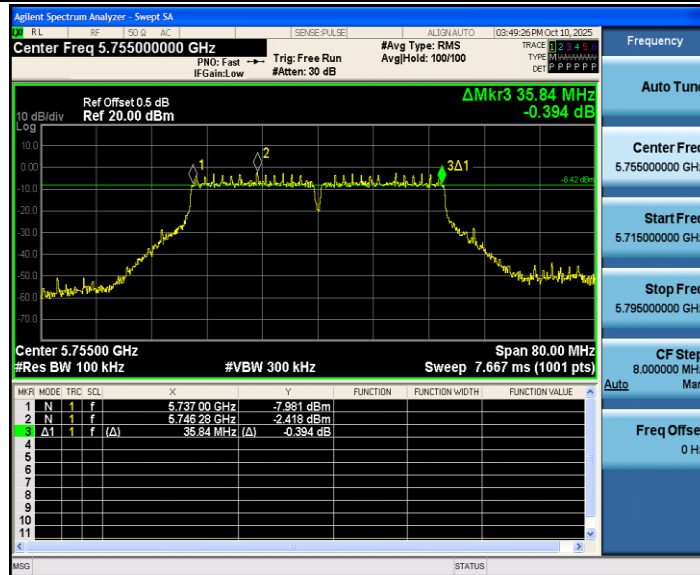
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



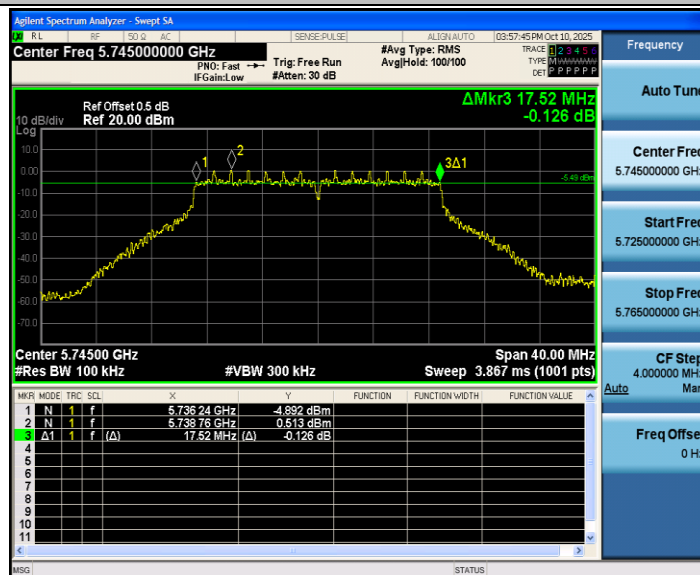
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785

