

FCC Appendix RF Test Data

FCC ID : 2BRB9-X200

Company : Shenzhen zhengqing Technology Co., Ltd.

EUT : ZICALSTAR

Model Number : X200

Report No. : CTA25080703302

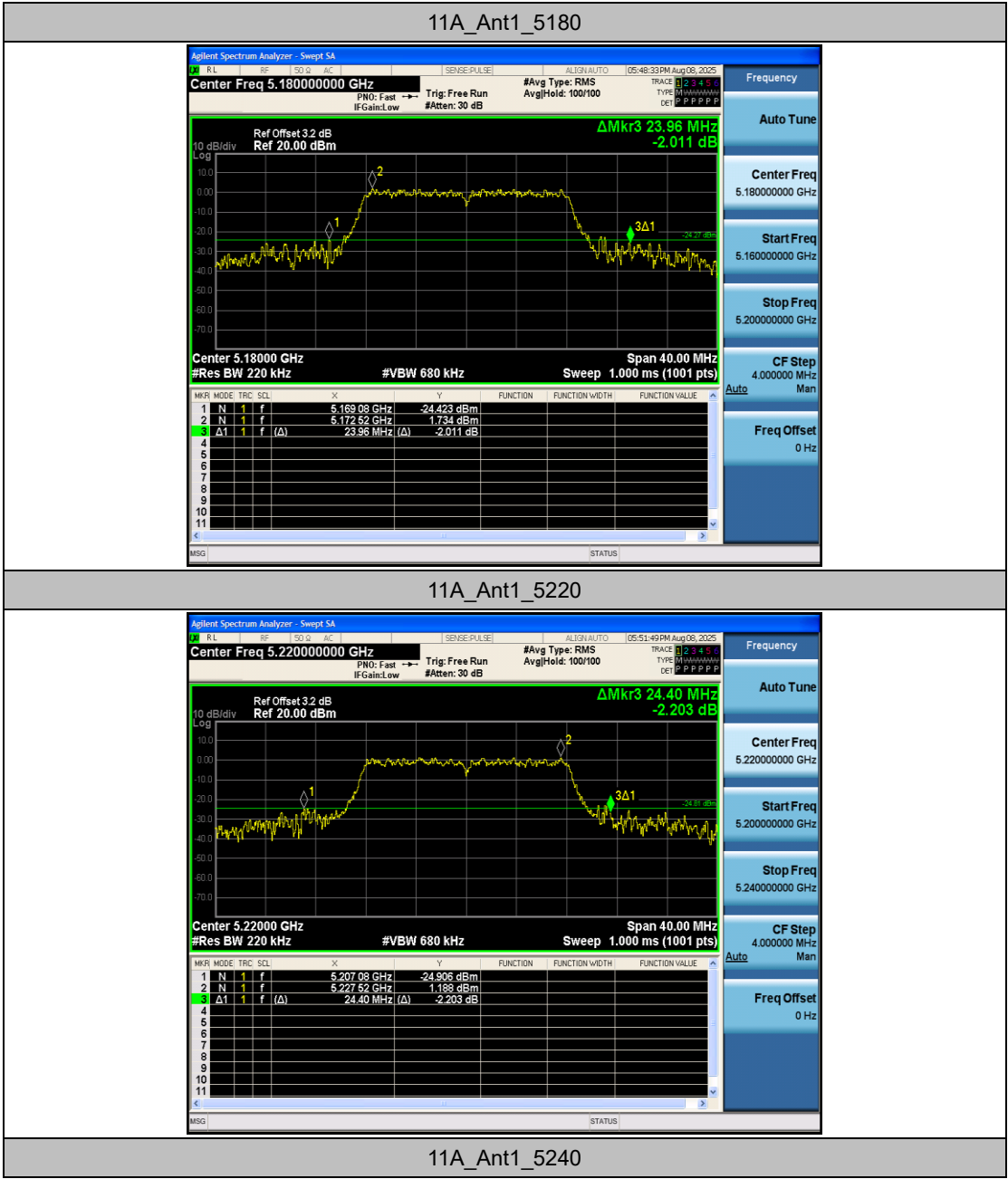
Reviewed By : Eric Wang

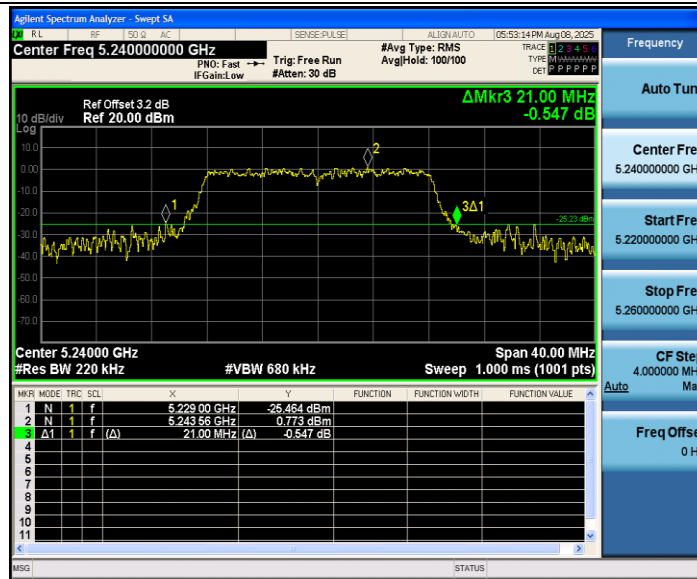
Appendix A1: Emission Bandwidth

Test Result

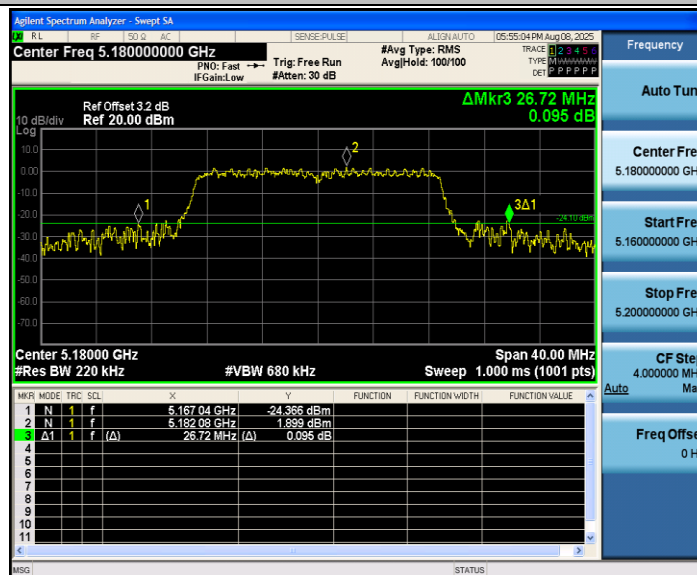
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	23.960	5169.080	5193.040	---	---
		5220	24.400	5207.080	5231.480	---	---
		5240	21.000	5229.000	5250.000	---	---
11N20SISO	Ant1	5180	26.720	5167.040	5193.760	---	---
		5220	22.440	5207.920	5230.360	---	---
		5240	30.080	5224.760	5254.840	---	---
11N40SISO	Ant1	5190	39.520	5170.160	5209.680	---	---
		5230	42.960	5210.080	5253.040	---	---
11AC20SISO	Ant1	5180	26.520	5167.720	5194.240	---	---
		5220	29.680	5204.880	5234.560	---	---
		5240	27.840	5225.960	5253.800	---	---
11AC40SISO	Ant1	5190	48.320	5164.560	5212.880	---	---
		5230	48.400	5205.600	5254.000	---	---
11AX20SISO	Ant1	5180	26.720	5167.920	5194.640	---	---
		5220	28.000	5205.760	5233.760	---	---
		5240	26.840	5228.000	5254.840	---	---
11AX40SISO	Ant1	5190	45.280	5166.800	5212.080	---	---
		5230	44.960	5207.200	5252.160	---	---

Test Graphs

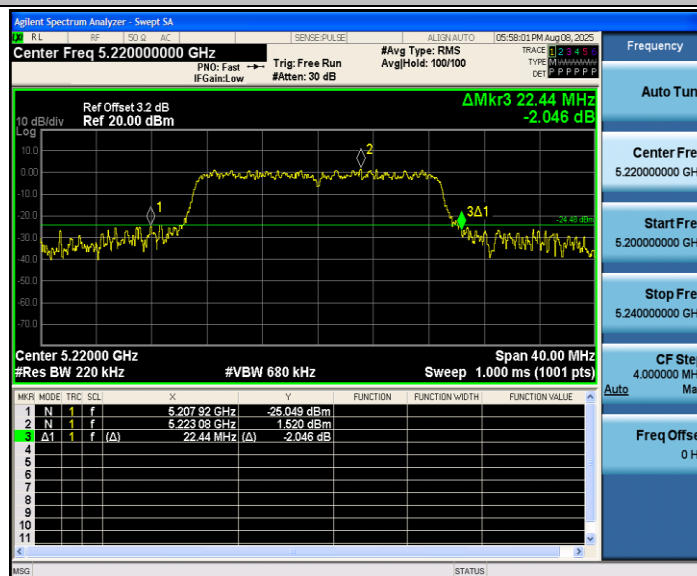




11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



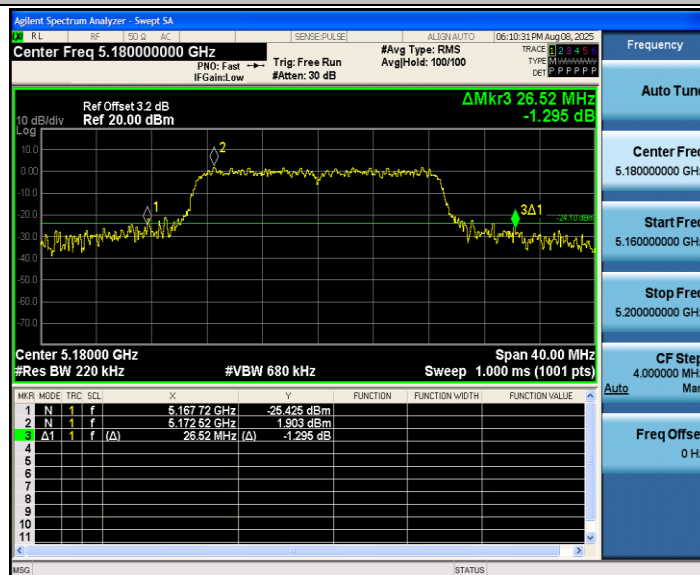
11N40SISO_Ant1_5190



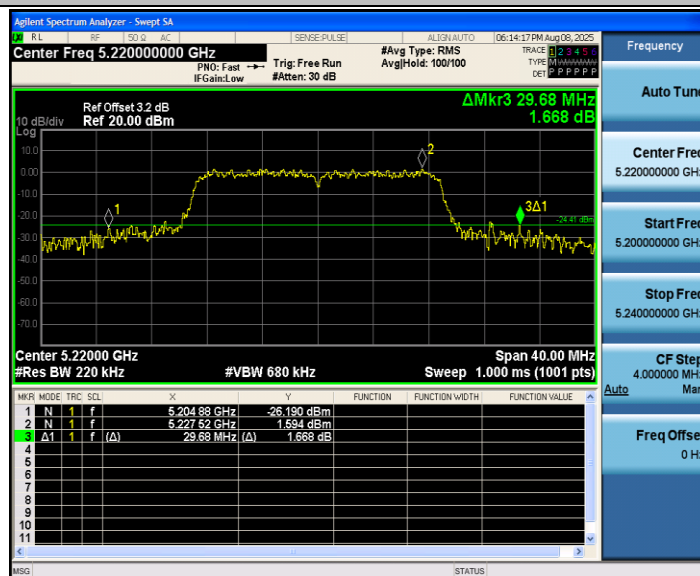
11N40SISO_Ant1_5230



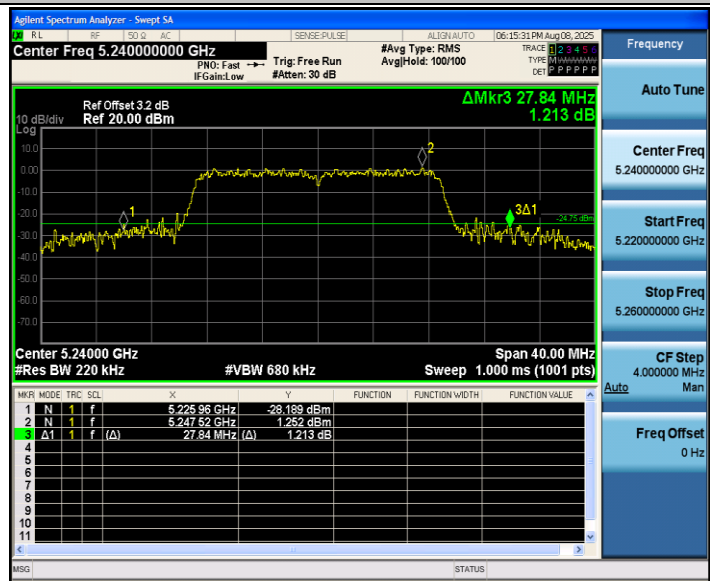
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5220



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

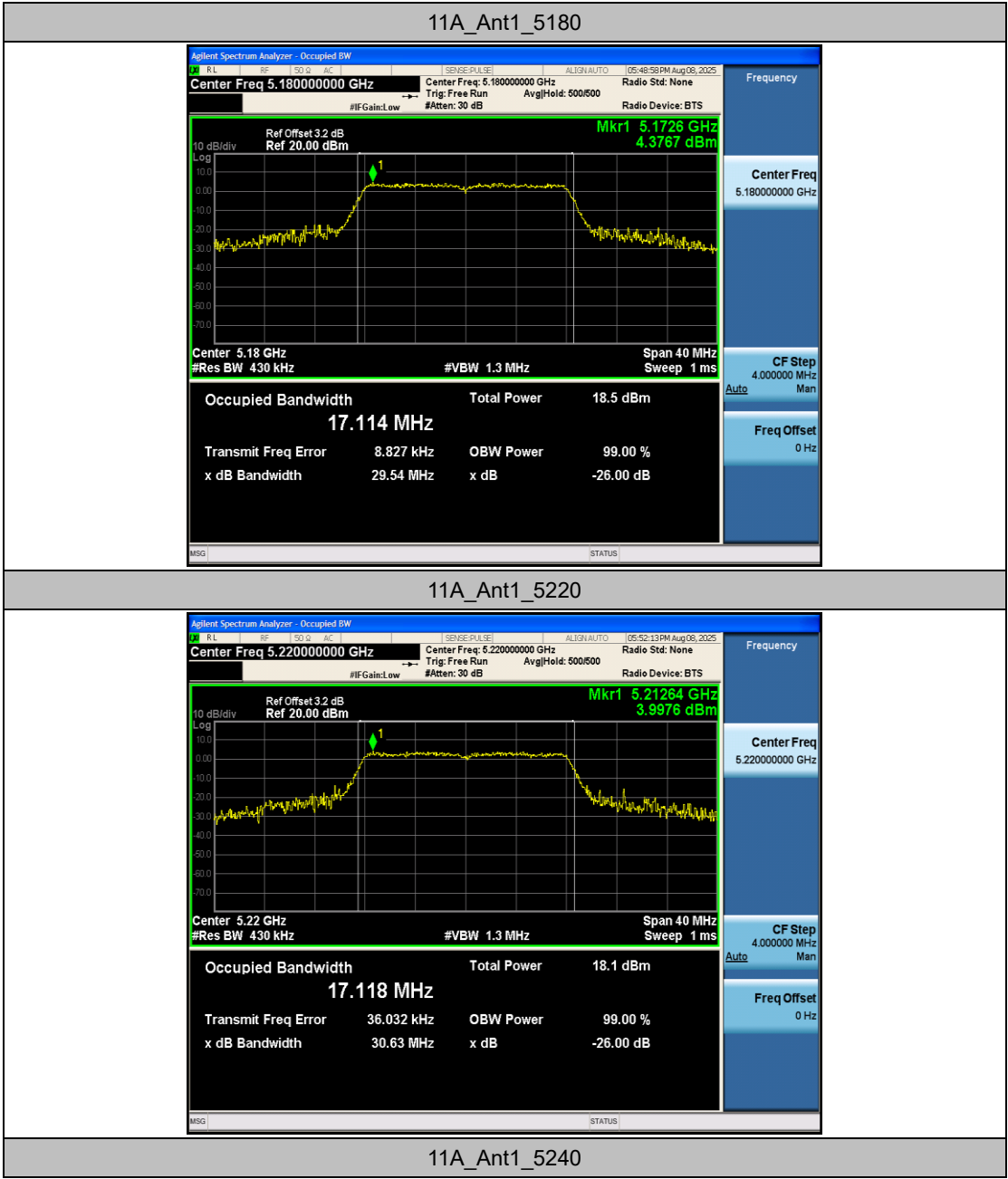


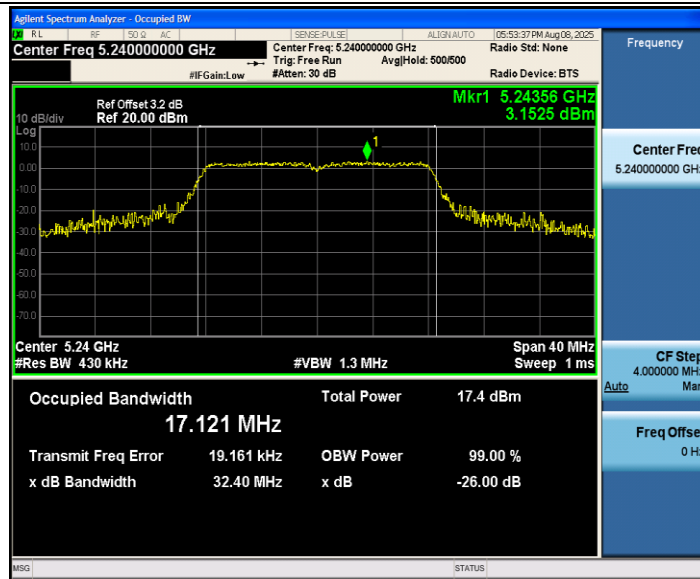
Appendix A2: Occupied channel bandwidth

Test Result

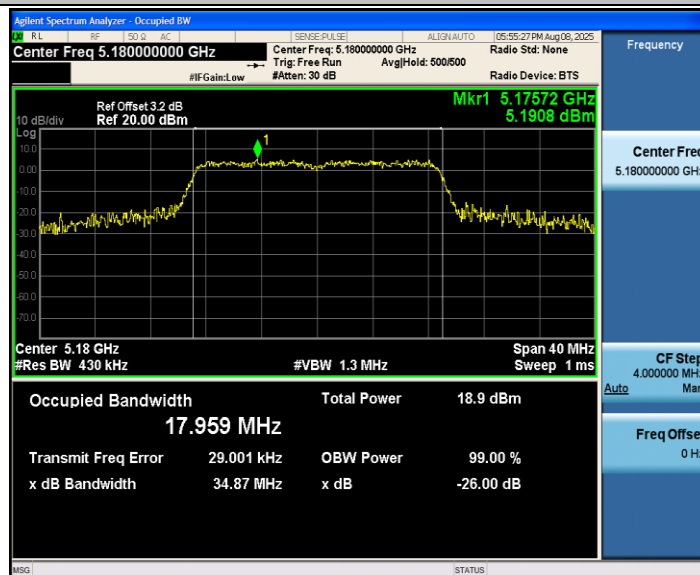
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.114	5171.4518	5188.5658	---	---
		5220	17.118	5211.4770	5228.5950	---	---
		5240	17.121	5231.4587	5248.5797	---	---
11N20SISO	Ant1	5180	17.959	5171.0495	5189.0085	---	---
		5220	17.907	5211.0543	5228.9613	---	---
		5240	17.981	5231.0266	5249.0076	---	---
11N40SISO	Ant1	5190	36.677	5171.6544	5208.3314	---	---
		5230	36.739	5211.6598	5248.3988	---	---
11AC20SISO	Ant1	5180	17.953	5171.0449	5188.9979	---	---
		5220	17.981	5211.0305	5229.0115	---	---
		5240	17.906	5231.0662	5248.9722	---	---
11AC40SISO	Ant1	5190	36.849	5171.5445	5208.3935	---	---
		5230	36.729	5211.6420	5248.3710	---	---
11AX20SISO	Ant1	5180	17.967	5171.0564	5189.0234	---	---
		5220	17.993	5211.0065	5228.9995	---	---
		5240	18.025	5231.0246	5249.0496	---	---
11AX40SISO	Ant1	5190	36.750	5171.5817	5208.3317	---	---
		5230	36.806	5211.6206	5248.4266	---	---

Test Graphs

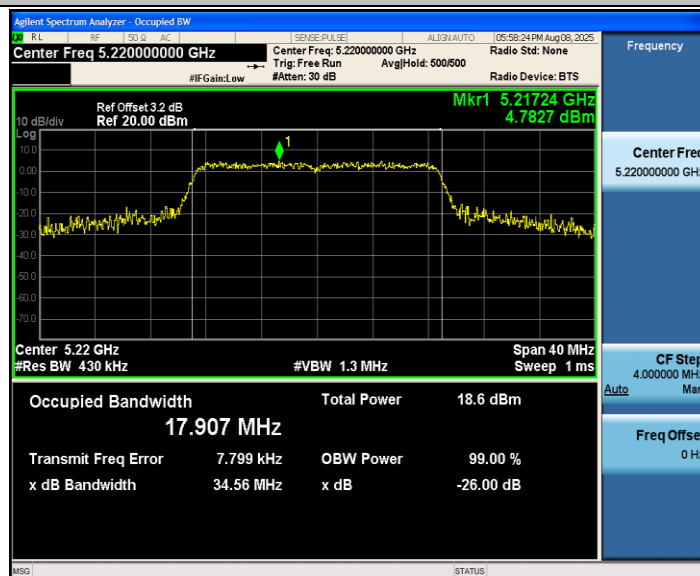




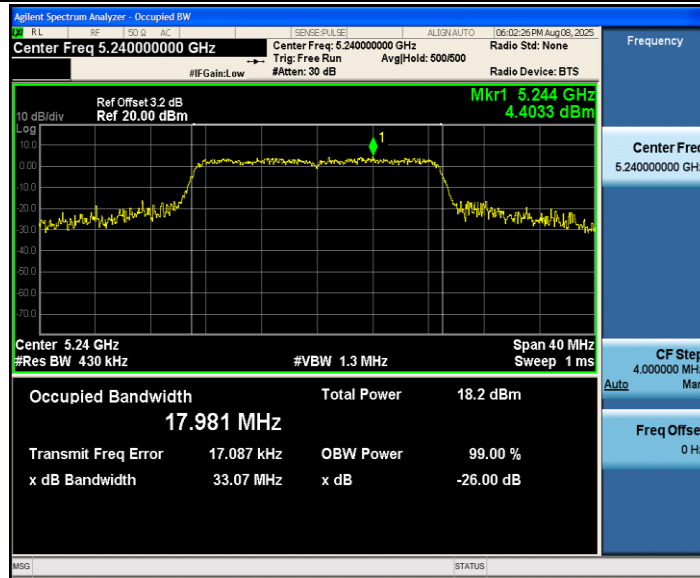
11N20SISO_Ant1_5180



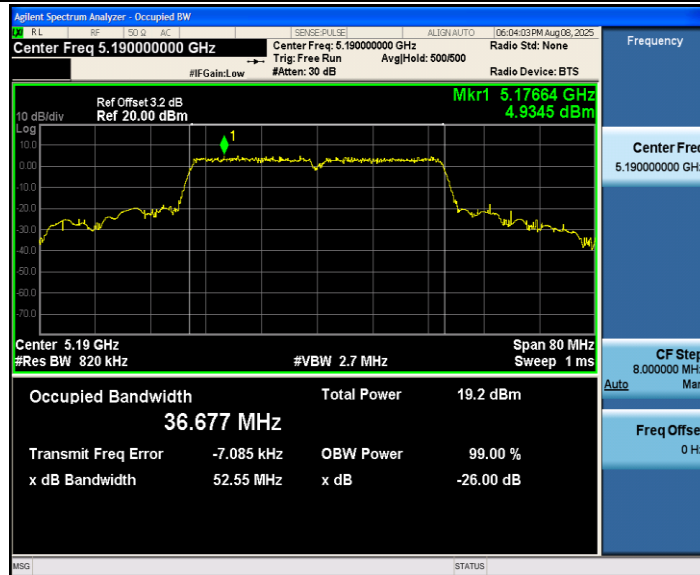
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



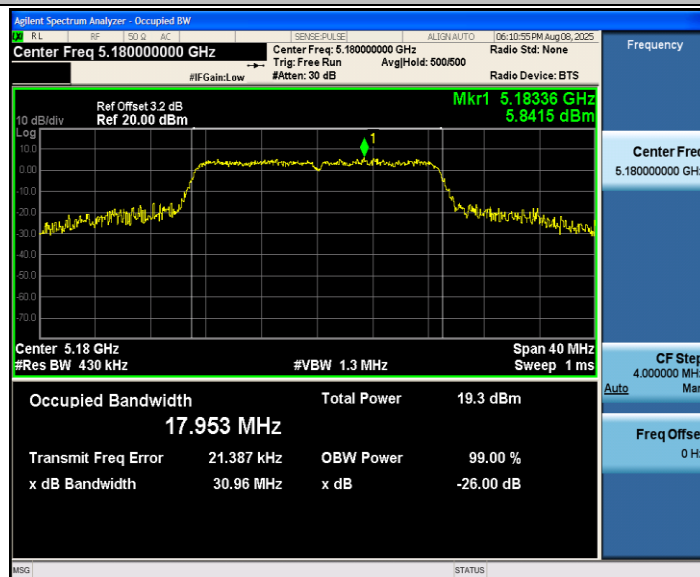
11N40SISO_Ant1_5190



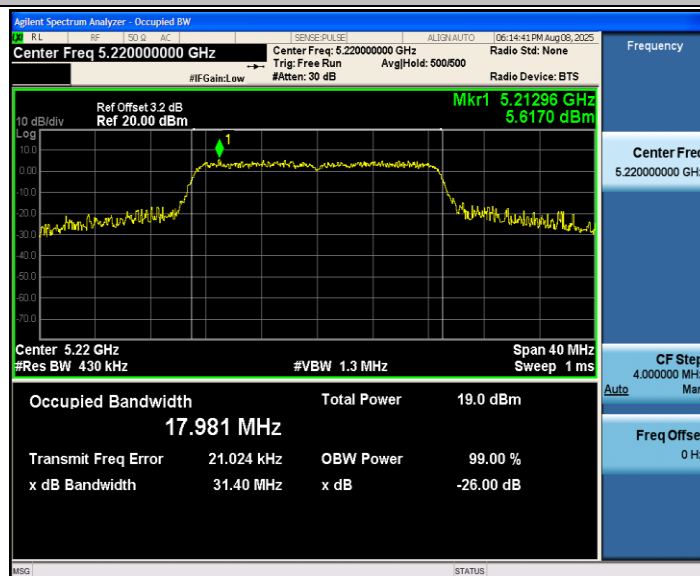
11N40SISO_Ant1_5230



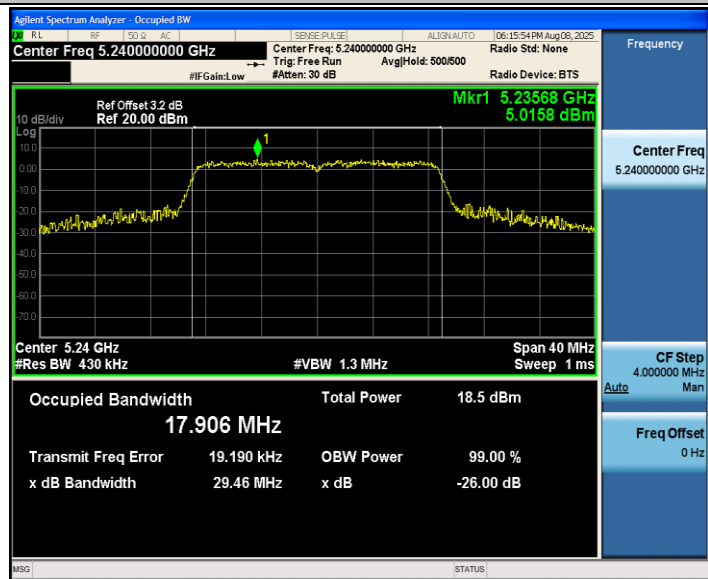
11AC20SISO_Ant1_5180



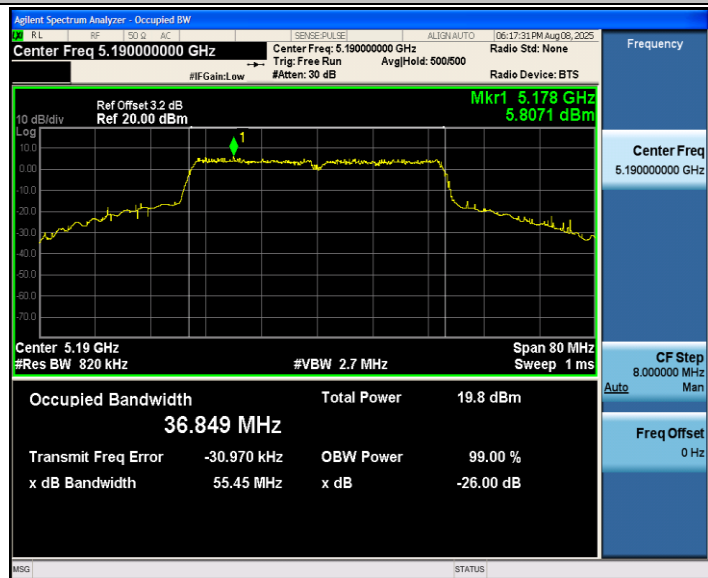
11AC20SISO_Ant1_5220



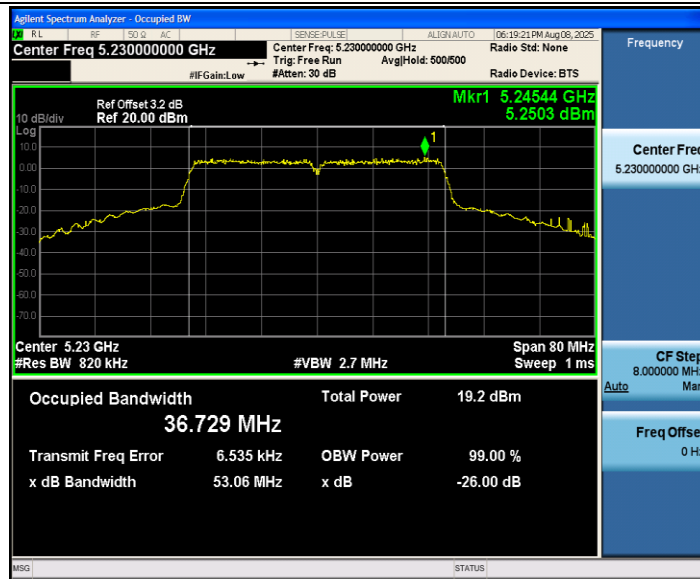
11AC20SISO_Ant1_5240



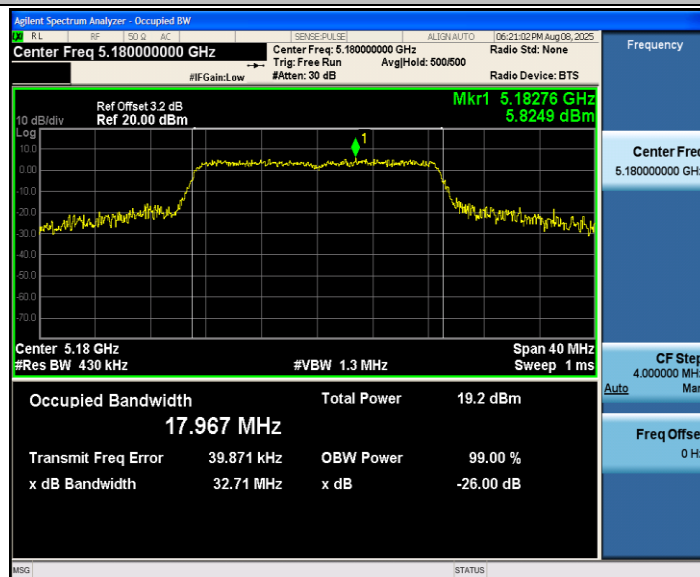
11AC40SISO_Ant1_5190



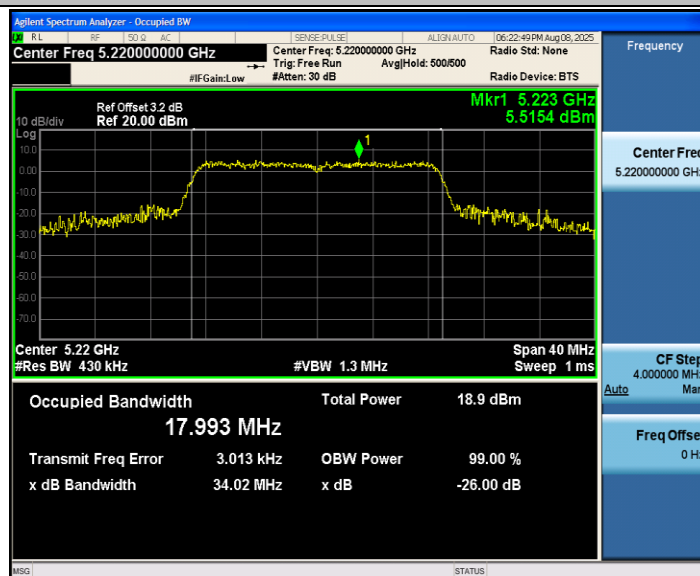
11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



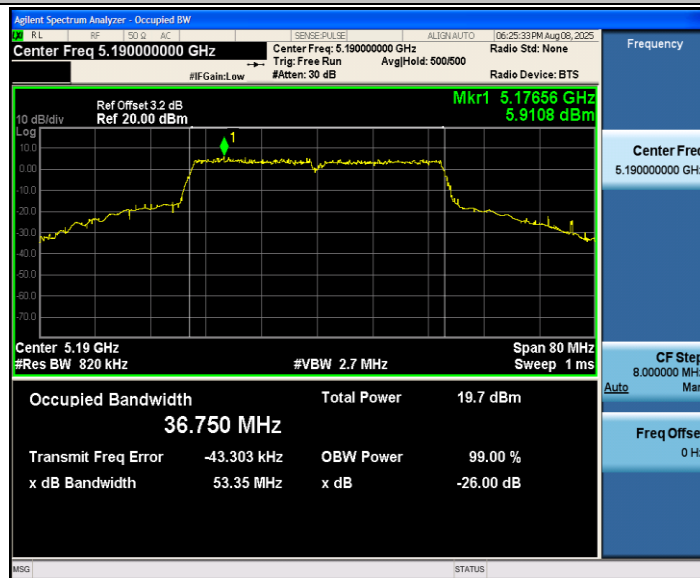
11AX20SISO_Ant1_5220



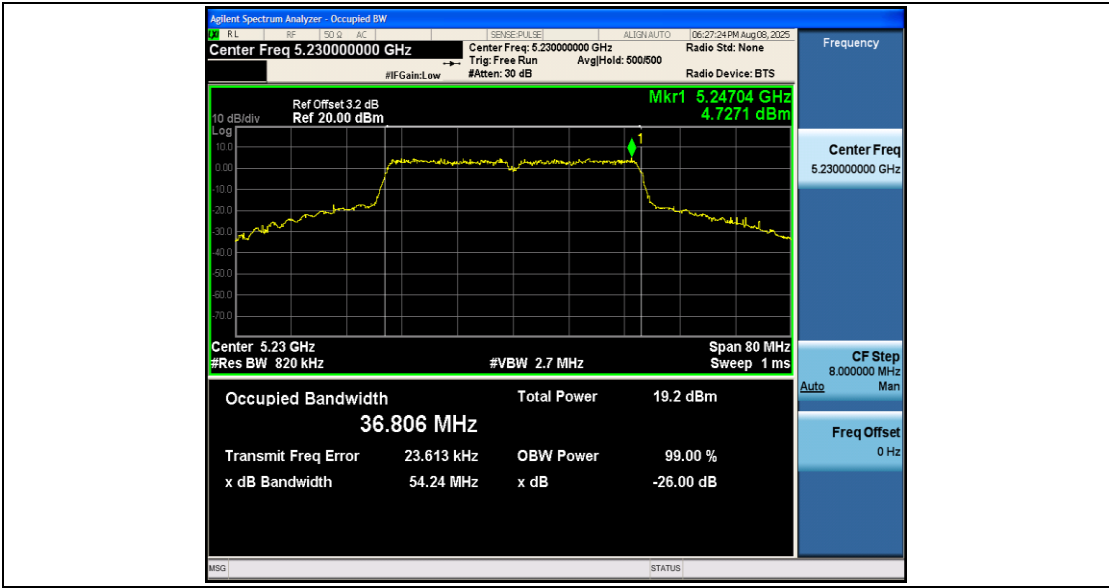
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



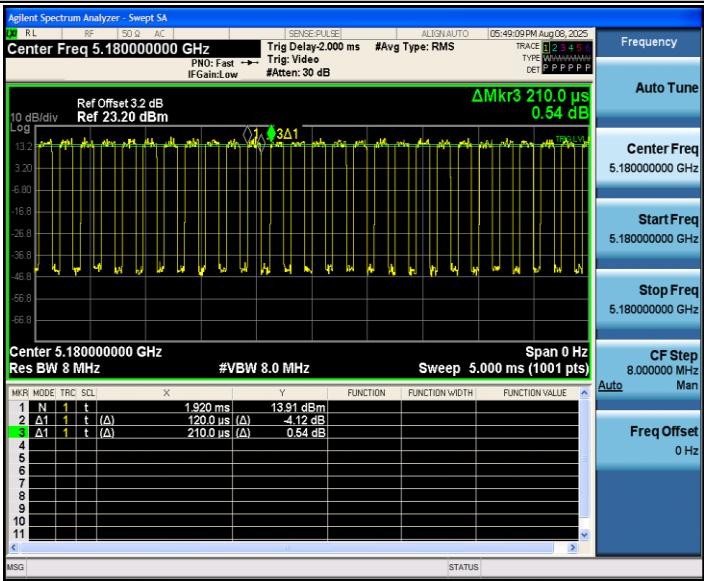
Appendix B: Duty Cycle

Test Result

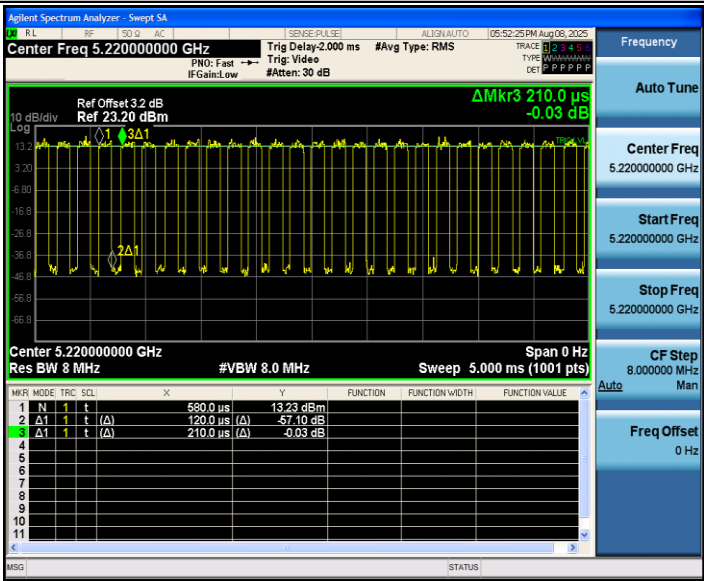
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5180	0.12	0.21	57.14	2.43	---	---
		5220	0.12	0.21	57.14	2.43	---	---
		5240	0.12	0.21	57.14	2.43	---	---
11N20SISO	Ant1	5180	0.12	0.21	57.14	2.43	---	---
		5220	0.11	0.20	55.00	2.60	---	---
		5240	0.12	0.21	57.14	2.43	---	---
11N40SISO	Ant1	5190	0.08	0.17	47.06	3.27	---	---
		5230	0.07	0.18	38.89	4.10	---	---
11AC20SISO	Ant1	5180	0.12	0.21	57.14	2.43	---	---
		5220	0.12	0.21	57.14	2.43	---	---
		5240	0.12	0.20	60.00	2.22	---	---
11AC40SISO	Ant1	5190	0.08	0.17	47.06	3.27	---	---
		5230	0.09	0.18	50.00	3.01	---	---
11AX20SISO	Ant1	5180	0.12	0.26	46.15	3.36	---	---
		5220	0.13	0.24	54.17	2.66	---	---
		5240	0.12	0.21	57.14	2.43	---	---
11AX40SISO	Ant1	5190	0.09	0.19	47.37	3.25	---	---
		5230	0.08	0.18	44.44	3.52	---	---

Test Graphs

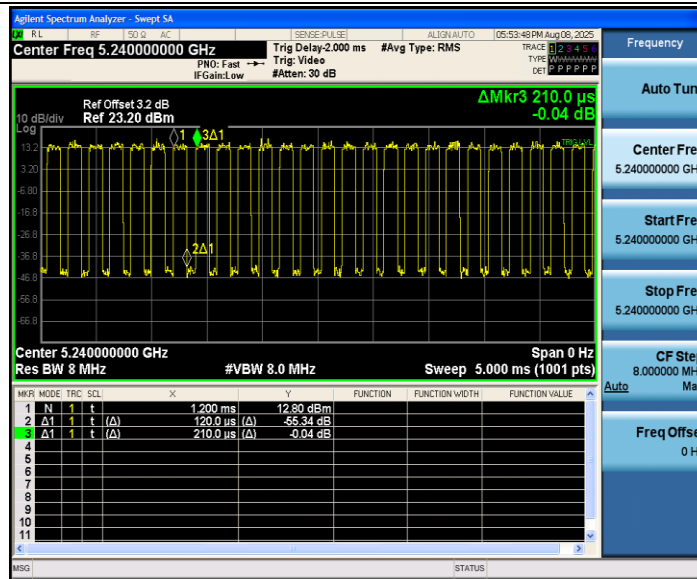
11A_Ant1_5180



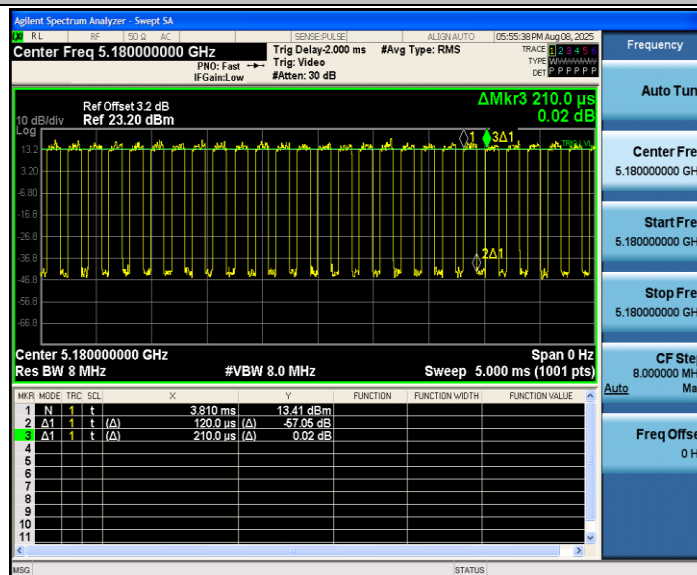
11A_Ant1_5220



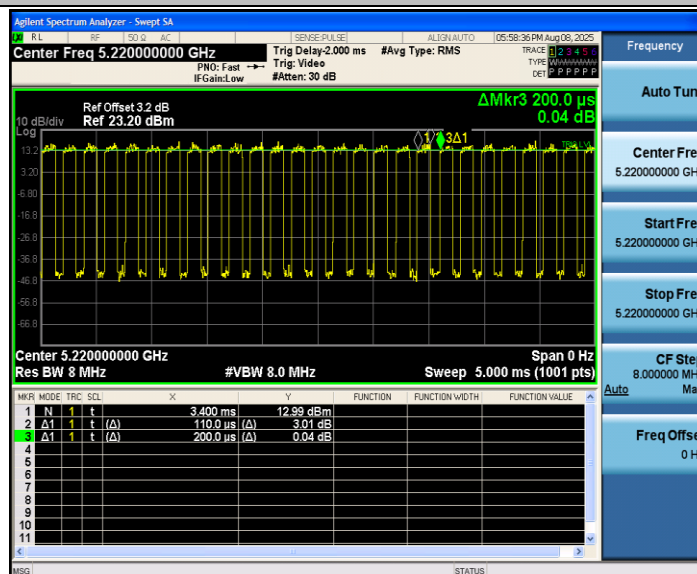
11A_Ant1_5240

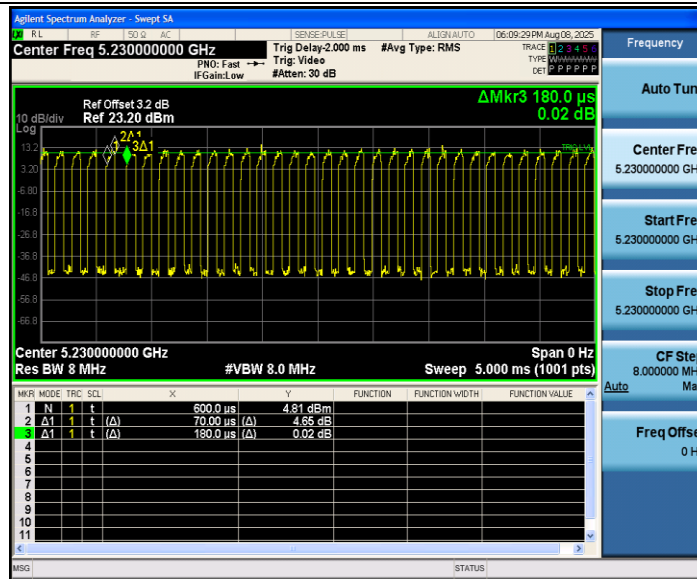


11N20SISO_Ant1_5180

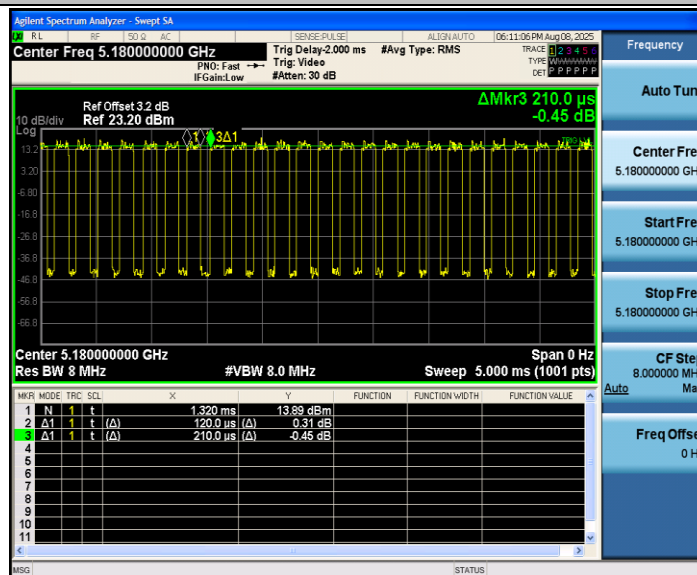


11N20SISO_Ant1_5220

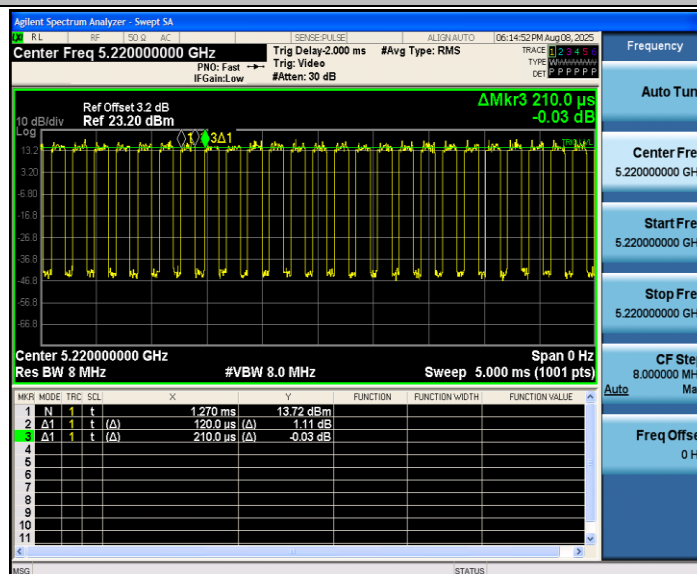




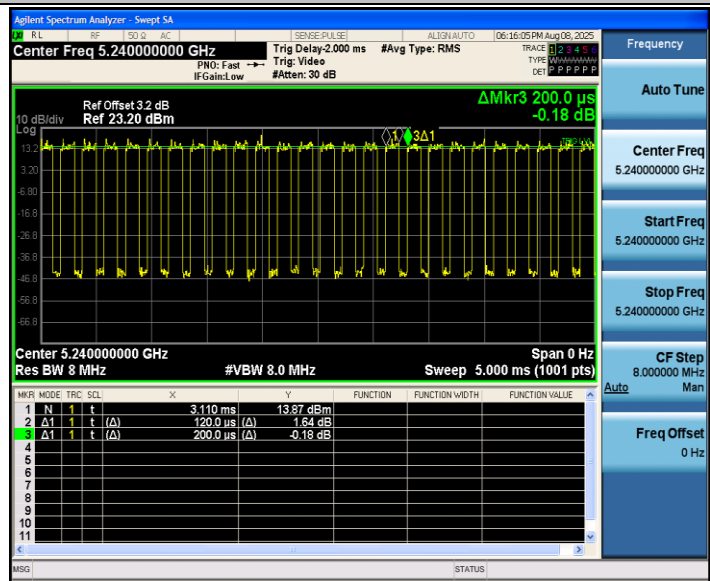
11AC20SISO_Ant1_5180



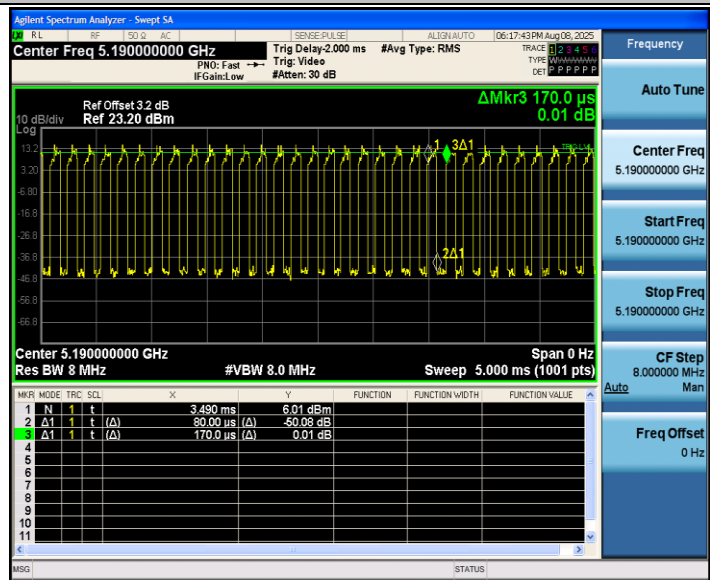
11AC20SISO_Ant1_5220



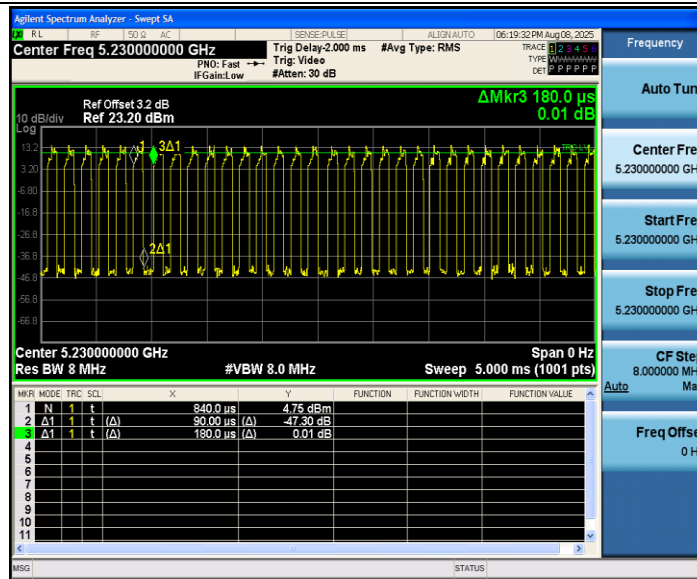
11AC20SISO_Ant1_5240



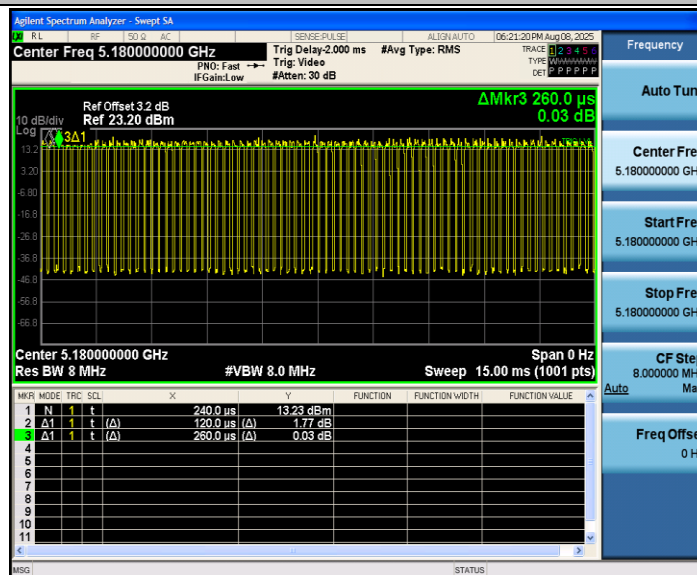
11AC40SISO_Ant1_5190



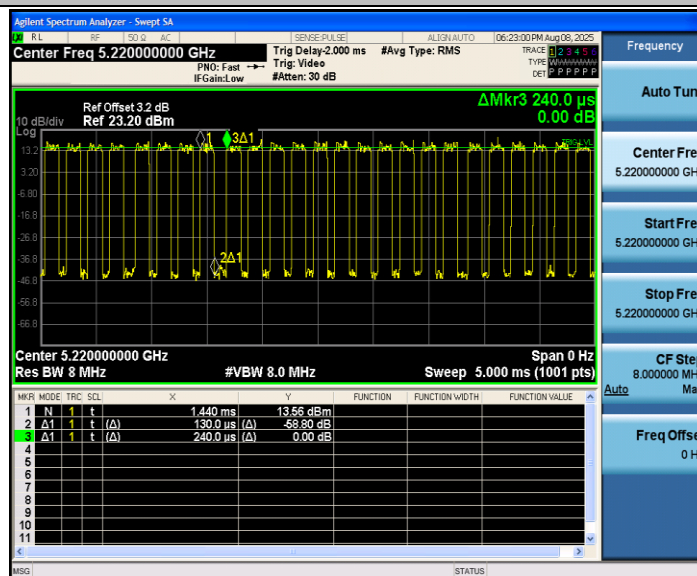
11AC40SISO_Ant1_5230



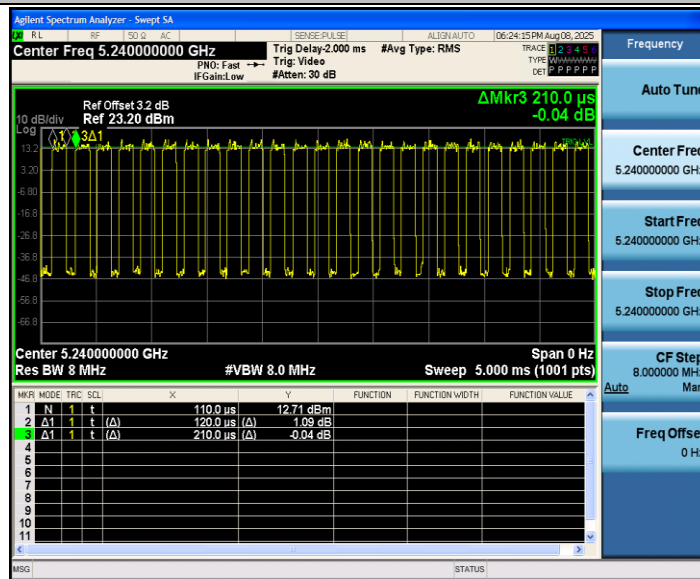
11AX20SISO_Ant1_5180



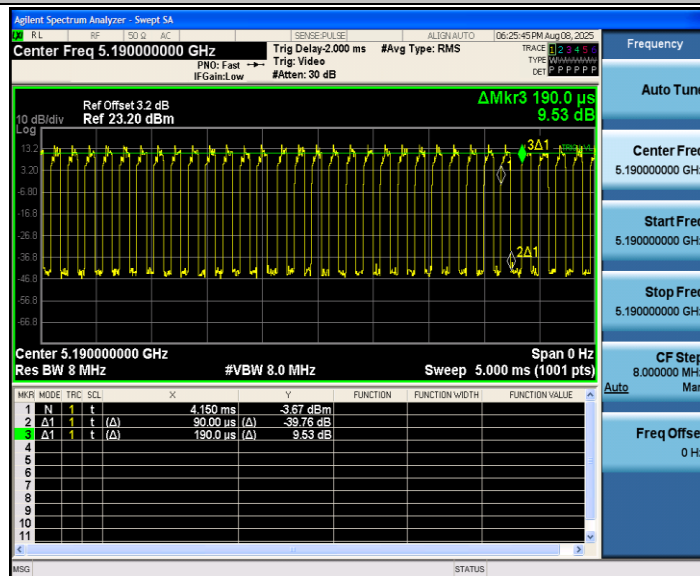
11AX20SISO_Ant1_5220



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230