

FCC Appendix RF Test Data

FCC ID : 2A5XO-CT706

Company : Shenzhen Boyi Electronics Co., Ltd.

EUT : Dashcam

Model Number : CT706

Report No. : CTA25062400202

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	21.520	5168.320	5189.840	---	---
		5220	23.360	5206.240	5229.600	---	---
		5240	21.600	5228.200	5249.800	---	---
11N20SISO	Ant1	5180	27.440	5167.960	5195.400	---	---
		5220	25.520	5207.920	5233.440	---	---
		5240	25.520	5227.840	5253.360	---	---
11N40SISO	Ant1	5190	43.840	5168.960	5212.800	---	---
		5230	44.160	5208.240	5252.400	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



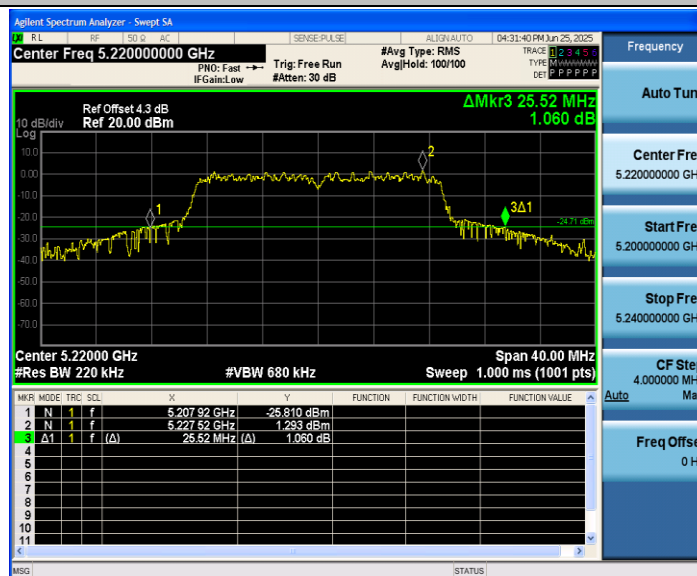
11A_Ant1_5240



11N20SISO_Ant1_5180



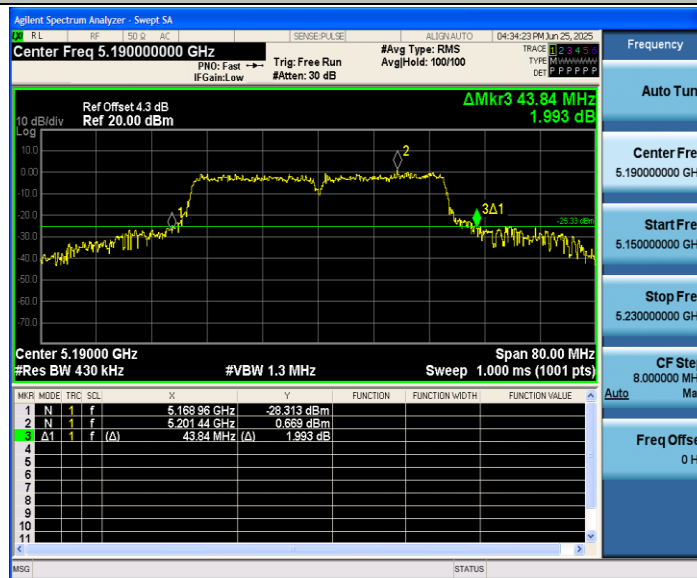
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



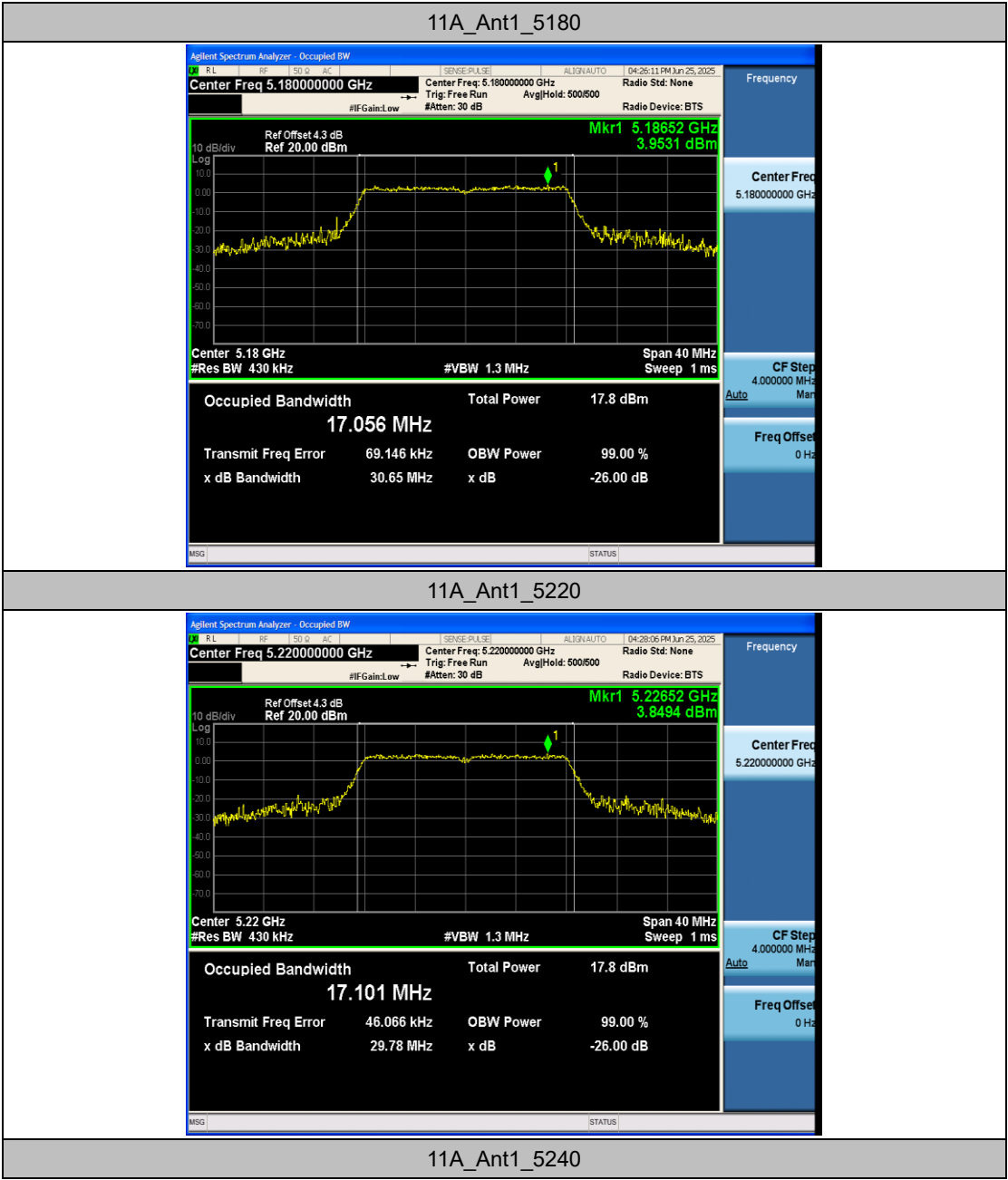
11N40SISO_Ant1_5230

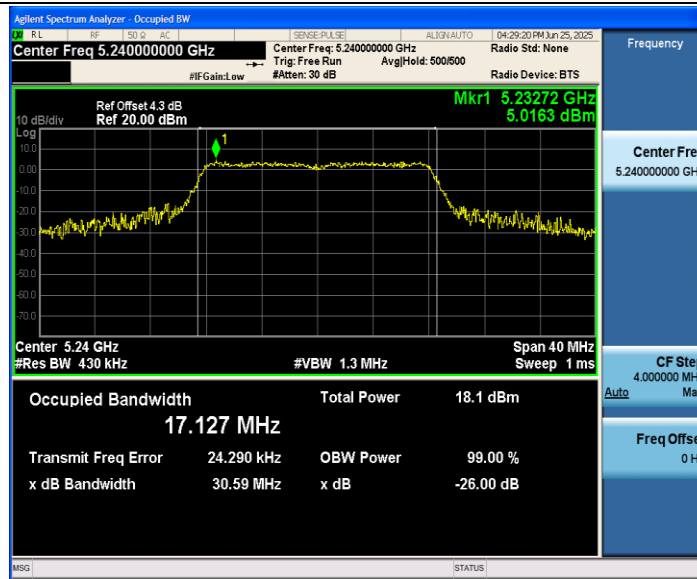
Appendix A2: Occupied channel bandwidth

Test Result

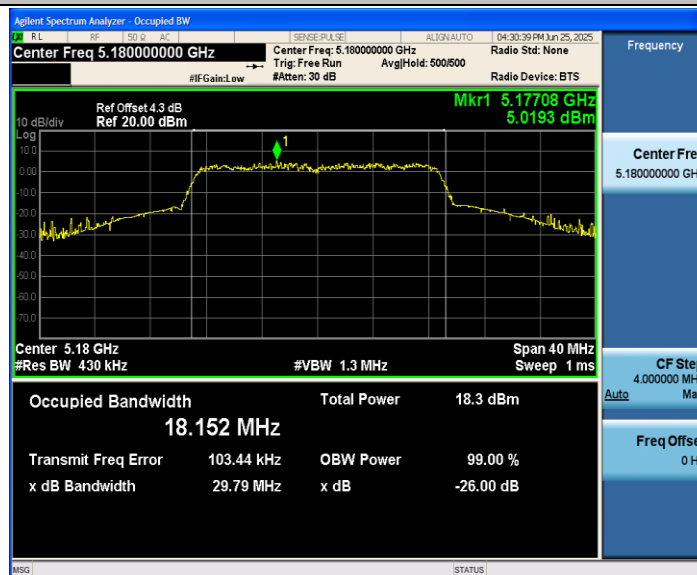
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.056	5171.5412	5188.5972	---	---
		5220	17.101	5211.4956	5228.5966	---	---
		5240	17.127	5231.4608	5248.5878	---	---
11N20SISO	Ant1	5180	18.152	5171.0274	5189.1794	---	---
		5220	18.196	5210.9437	5229.1397	---	---
		5240	18.175	5230.9342	5249.1092	---	---
11N40SISO	Ant1	5190	36.779	5171.8213	5208.6003	---	---
		5230	36.843	5211.6610	5248.5040	---	---

Test Graphs

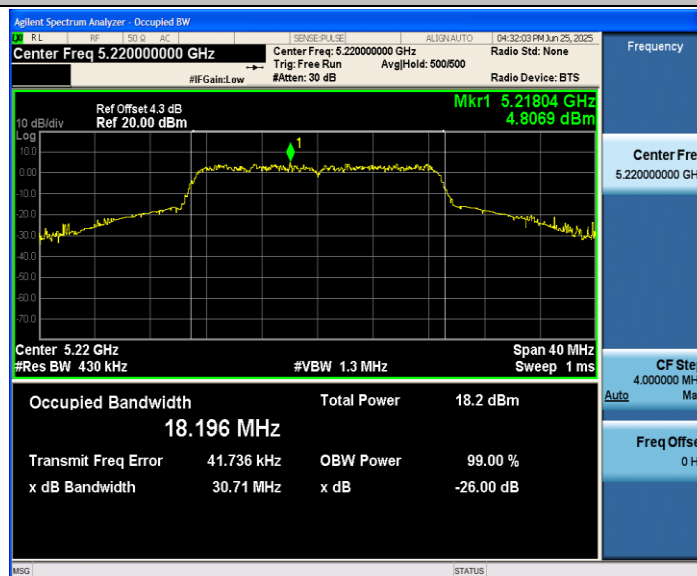




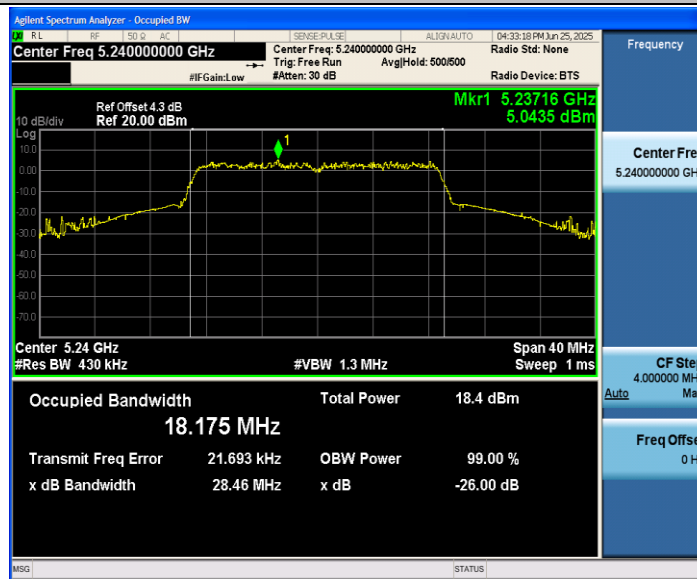
11N20SISO_Ant1_5180



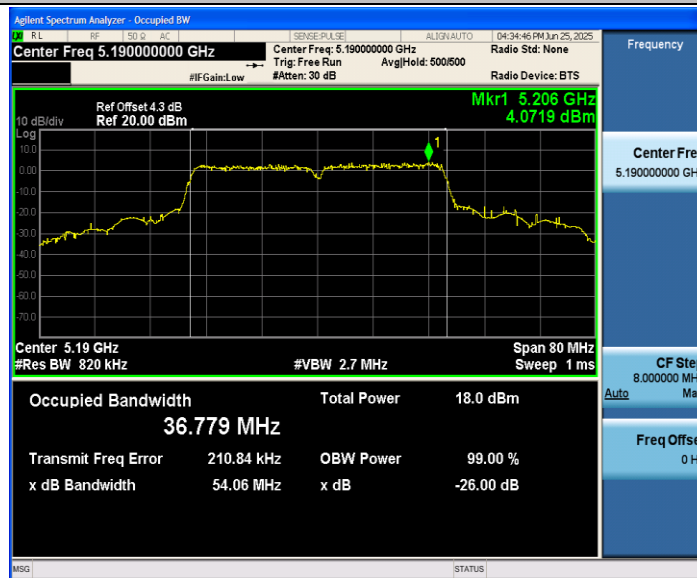
11N20SISO_Ant1_5220



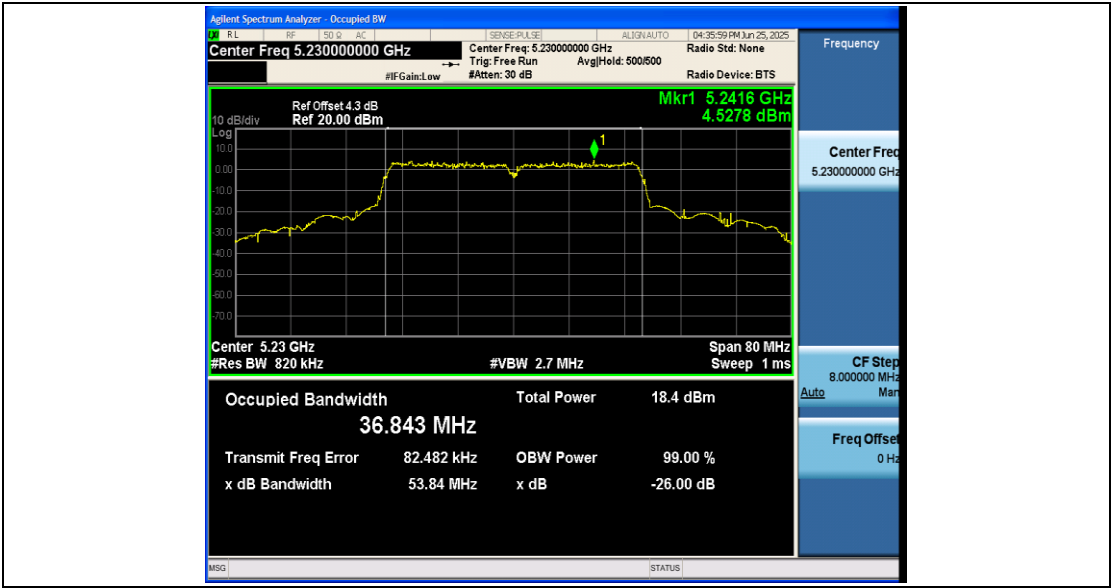
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

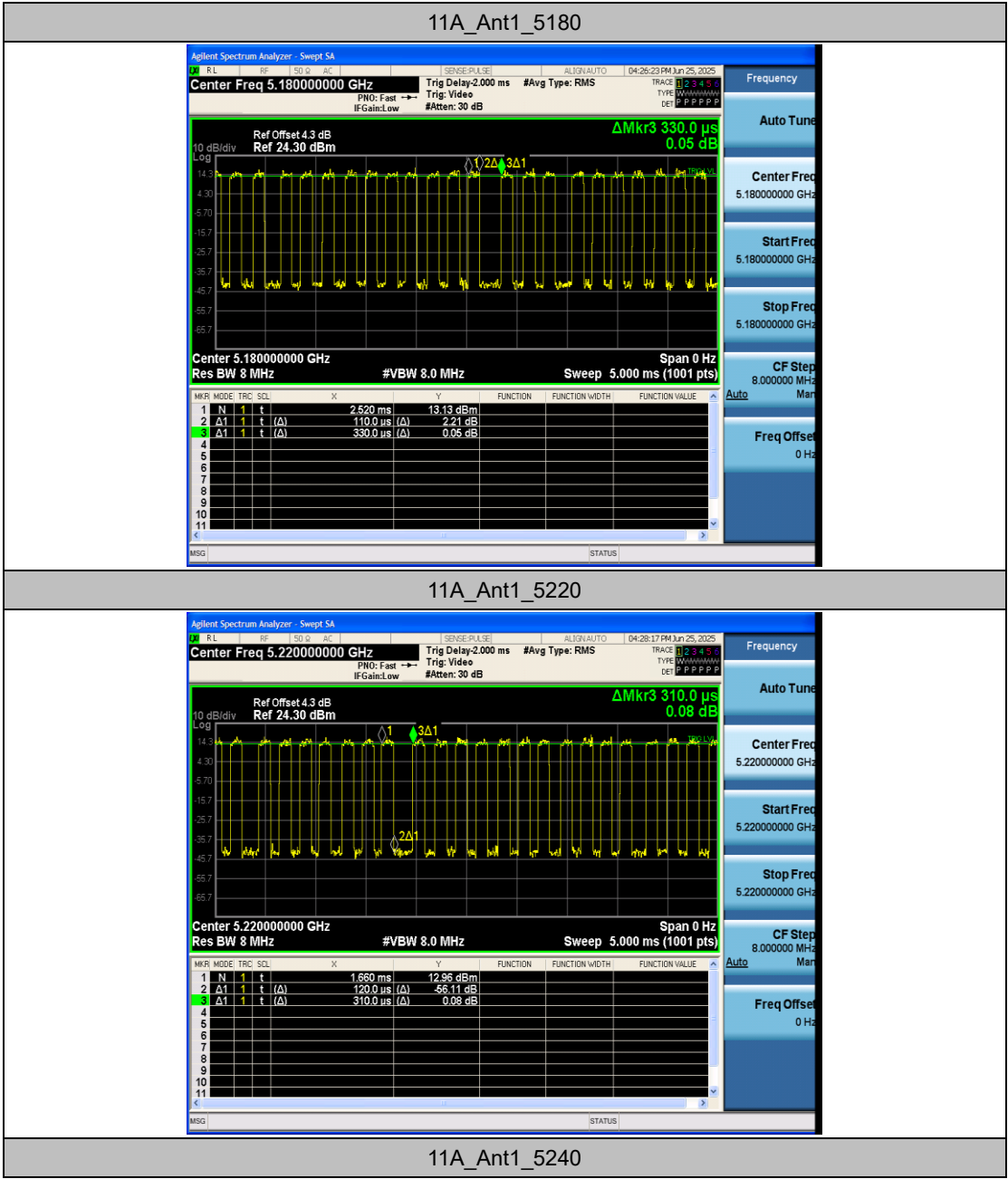


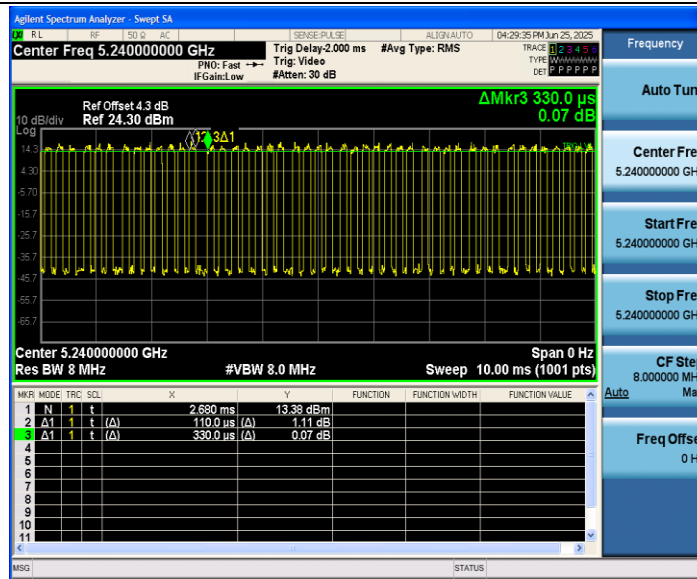
Appendix B: Duty Cycle

Test Result

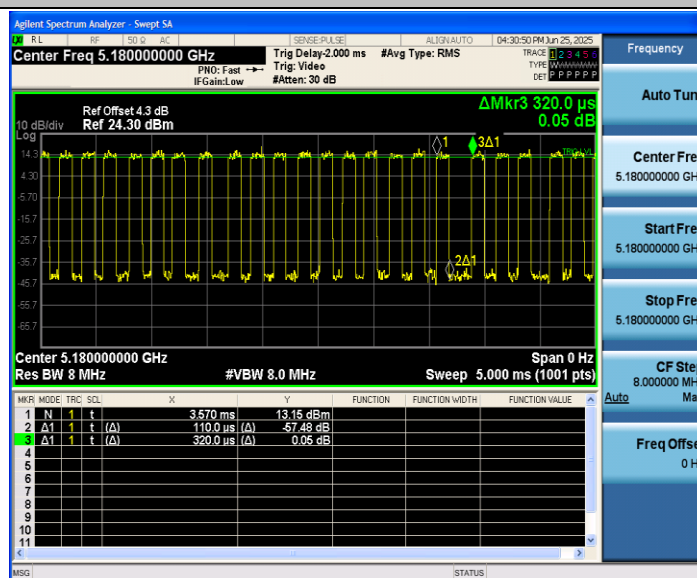
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5180	0.11	0.33	33.33	4.77	---	---
		5220	0.12	0.31	38.71	4.12	---	---
		5240	0.11	0.33	33.33	4.77	---	---
11N20SISO	Ant1	5180	0.11	0.32	34.38	4.64	---	---
		5220	0.11	0.31	35.48	4.50	---	---
		5240	0.11	0.32	34.38	4.64	---	---
11N40SISO	Ant1	5190	0.07	0.26	26.92	5.70	---	---
		5230	0.05	0.25	20.00	6.99	---	---

Test Graphs

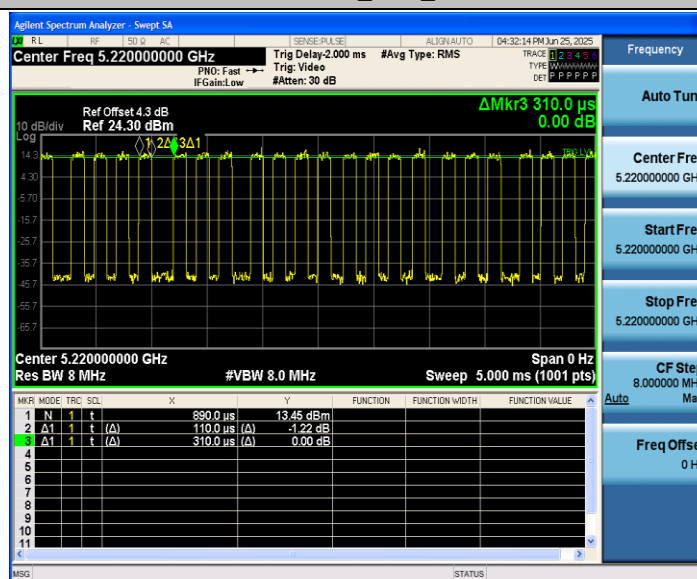


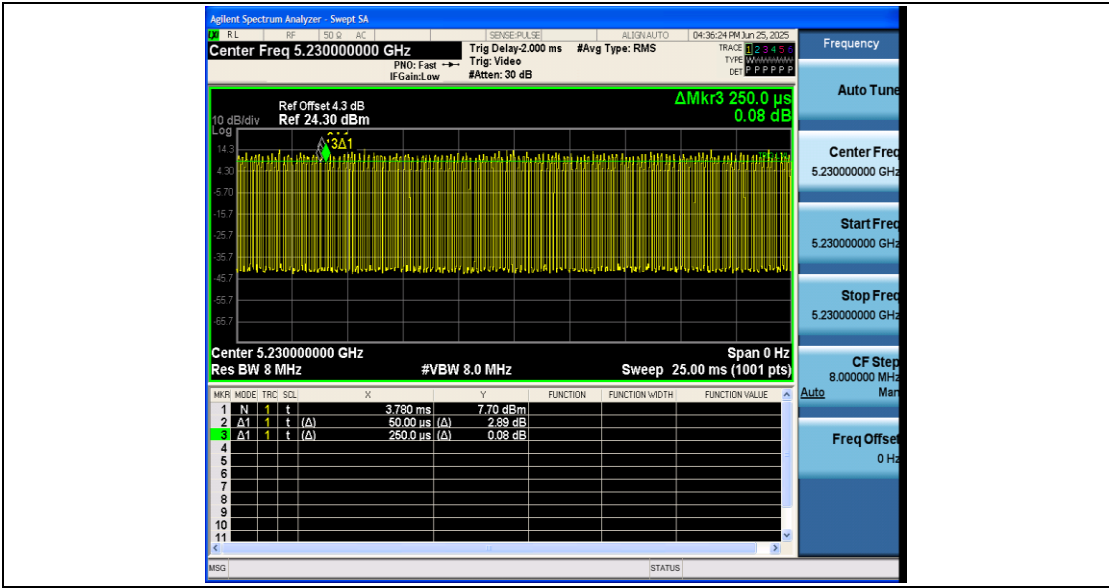


11N20SISO_Ant1_5180



11N20SISO_Ant1_5220





Appendix C: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	8.55	33.33	4.77	13.32	≤23.98	PASS
		5220	8.63	38.71	4.12	12.75	≤23.98	PASS
		5240	8.82	33.33	4.77	13.59	≤23.98	PASS
11N20SI SO	Ant1	5180	8.54	34.38	4.64	13.18	≤23.98	PASS
		5220	8.63	35.48	4.50	13.13	≤23.98	PASS
		5240	8.80	34.38	4.64	13.44	≤23.98	PASS
11N40SI SO	Ant1	5190	6.87	26.92	5.70	12.57	≤23.98	PASS
		5230	7.02	20.00	6.99	14.01	≤23.98	PASS

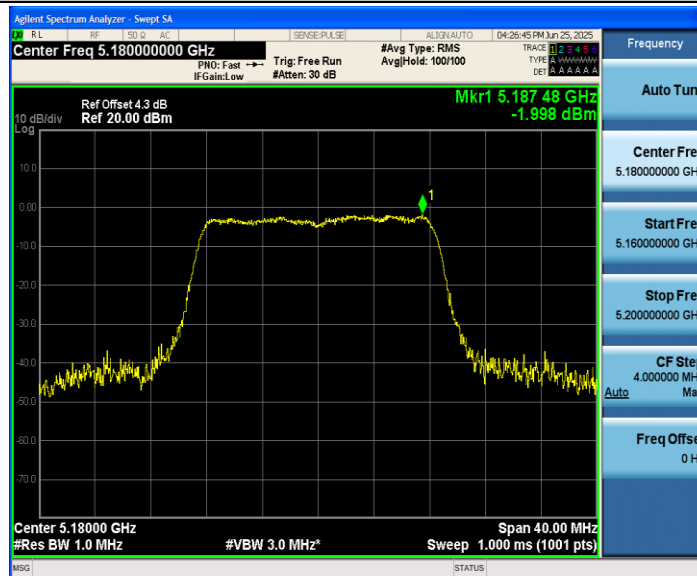
Appendix D: Maximum power spectral density

Test Result

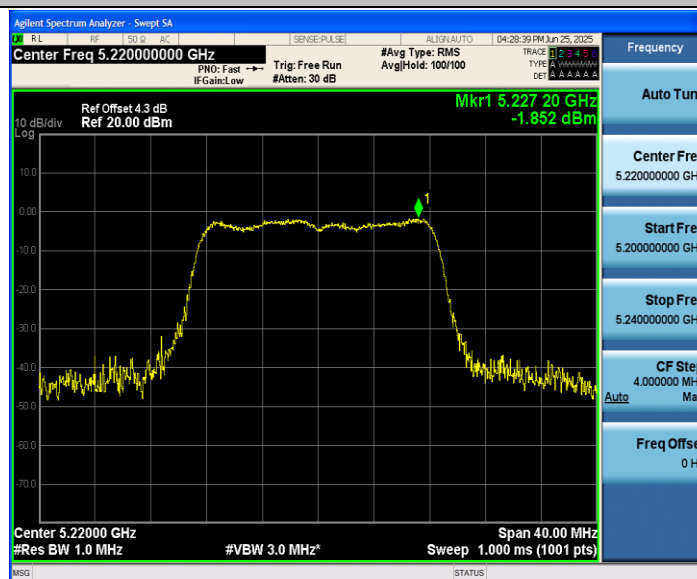
TestMode	Antenna	Freq(MHz)	Result [dBm/1MHz]	Duty factor (dB)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-1.998	4.77	2.77	≤11.00	PASS
		5220	-1.852	4.12	2.27	≤11.00	PASS
		5240	-2.066	4.77	2.70	≤11.00	PASS
11N20SISO	Ant1	5180	-1.805	4.64	2.83	≤11.00	PASS
		5220	-2.511	4.50	1.99	≤11.00	PASS
		5240	-1.983	4.64	2.66	≤11.00	PASS
11N40SISO	Ant1	5190	-6.554	5.70	-0.85	≤11.00	PASS
		5230	-6.371	6.99	0.62	≤11.00	PASS

Test Graphs

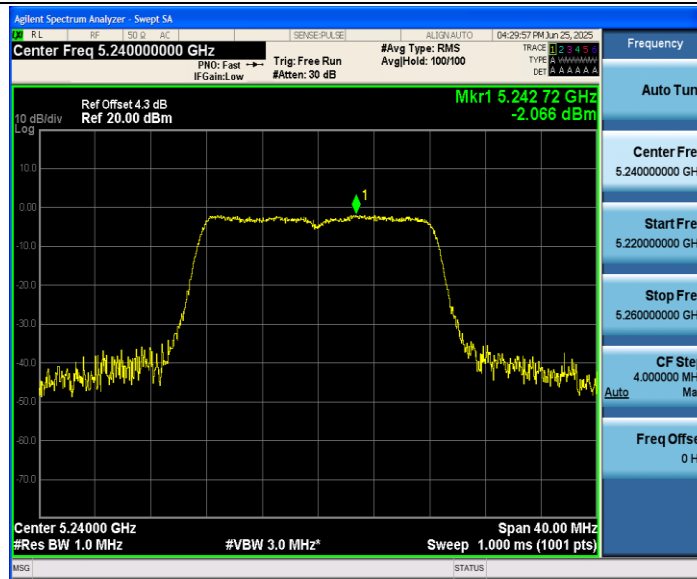
11A_Ant1_5180



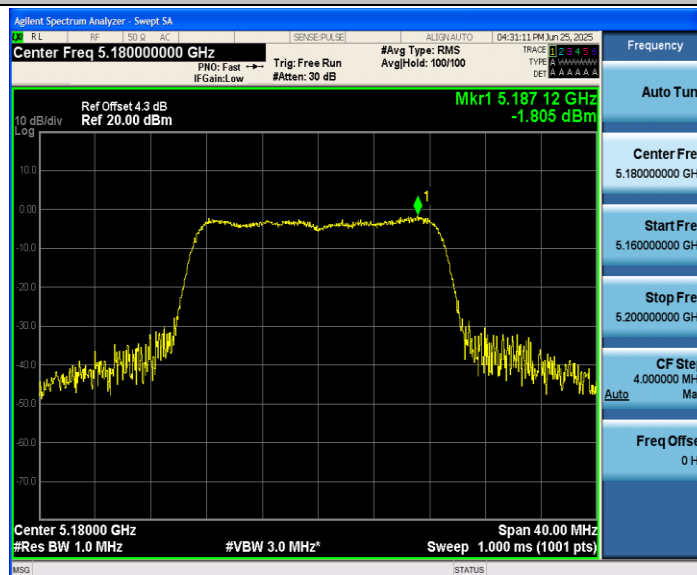
11A_Ant1_5220



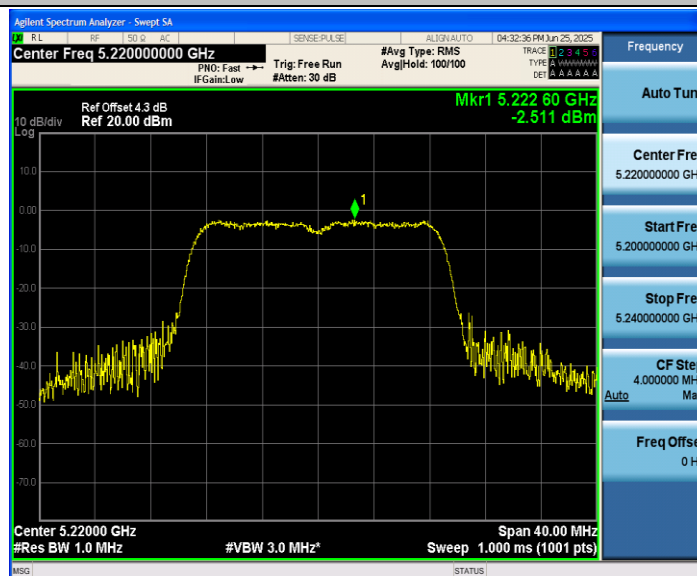
11A_Ant1_5240



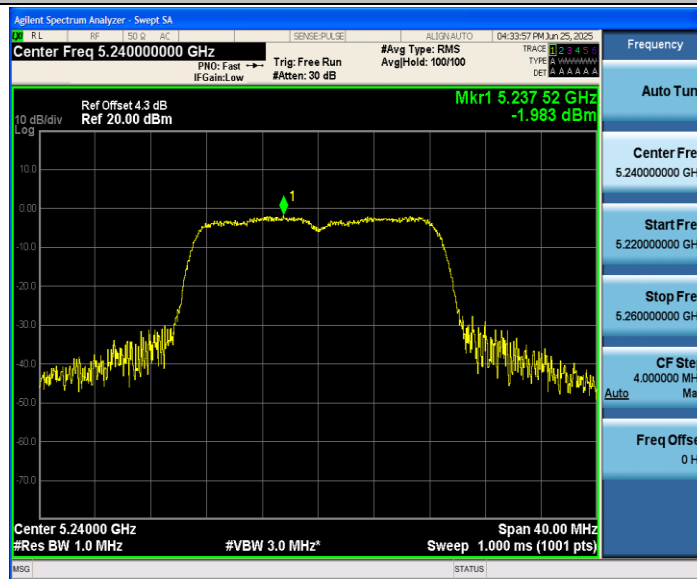
11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

