

Case No. : <u>GTS20241123004-2-03</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.12.5</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: Emission Bandwidth

Test Result

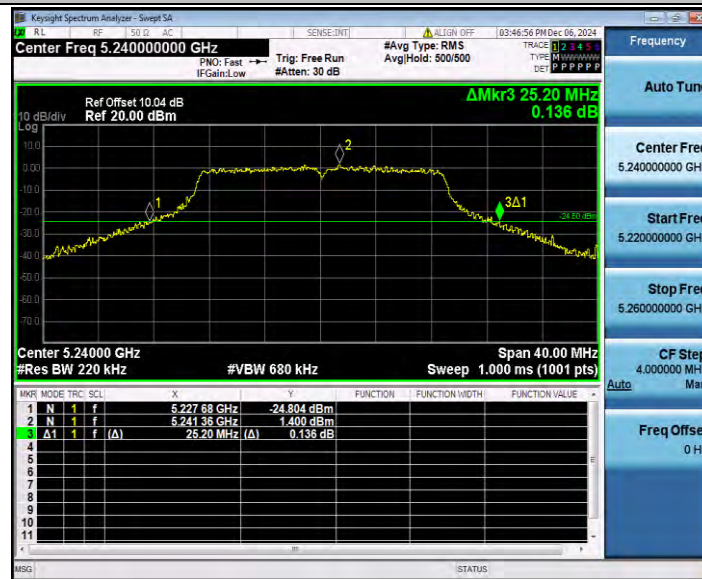
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.160	5168.120	5192.280	---	---
		5200	24.240	5187.600	5211.840	---	---
		5240	24.400	5227.680	5252.080	---	---
11N20SISO	Ant1	5180	24.960	5167.600	5192.560	---	---
		5200	25.800	5187.200	5213.000	---	---
		5240	25.200	5227.680	5252.880	---	---
11N40SISO	Ant1	5190	45.440	5167.520	5212.960	---	---
		5230	46.000	5207.120	5253.120	---	---
11AC20SISO	Ant1	5180	24.720	5168.040	5192.760	---	---
		5200	25.280	5187.440	5212.720	---	---
		5240	25.360	5227.440	5252.800	---	---
11AC40SISO	Ant1	5190	45.360	5167.440	5212.800	---	---
		5230	46.720	5206.960	5253.680	---	---
11AX20SISO	Ant1	5180	24.280	5167.760	5192.040	---	---
		5200	25.320	5187.840	5213.160	---	---
		5240	24.280	5227.920	5252.200	---	---
11AX40SISO	Ant1	5190	44.480	5167.920	5212.400	---	---
		5230	44.240	5207.760	5252.000	---	---

Test Graphs

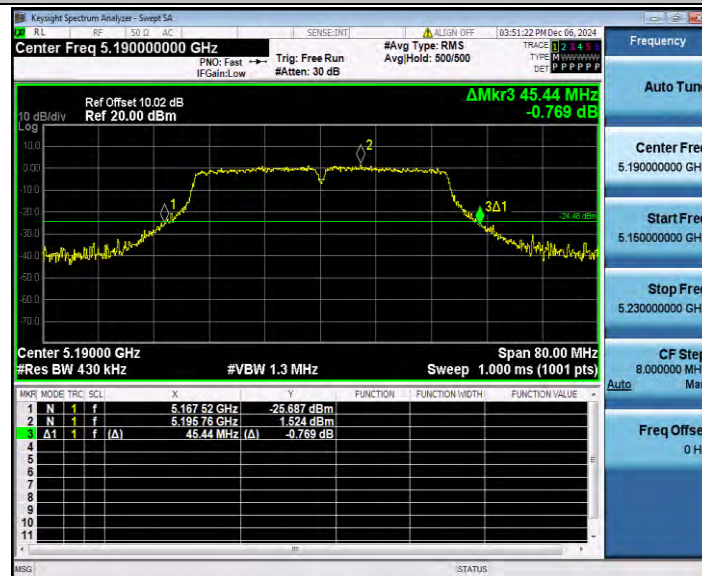




11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



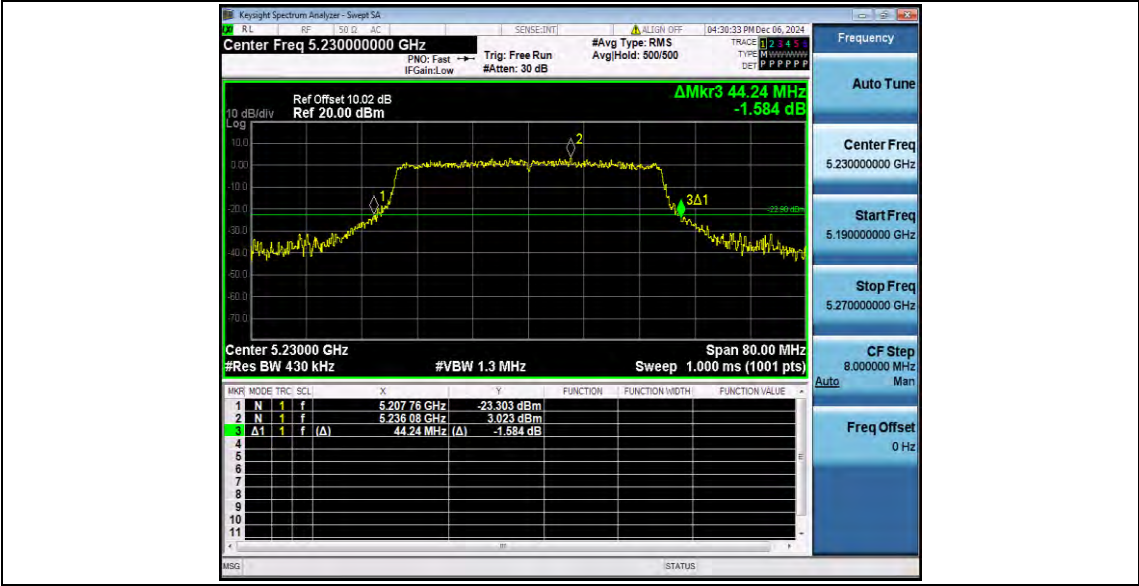
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

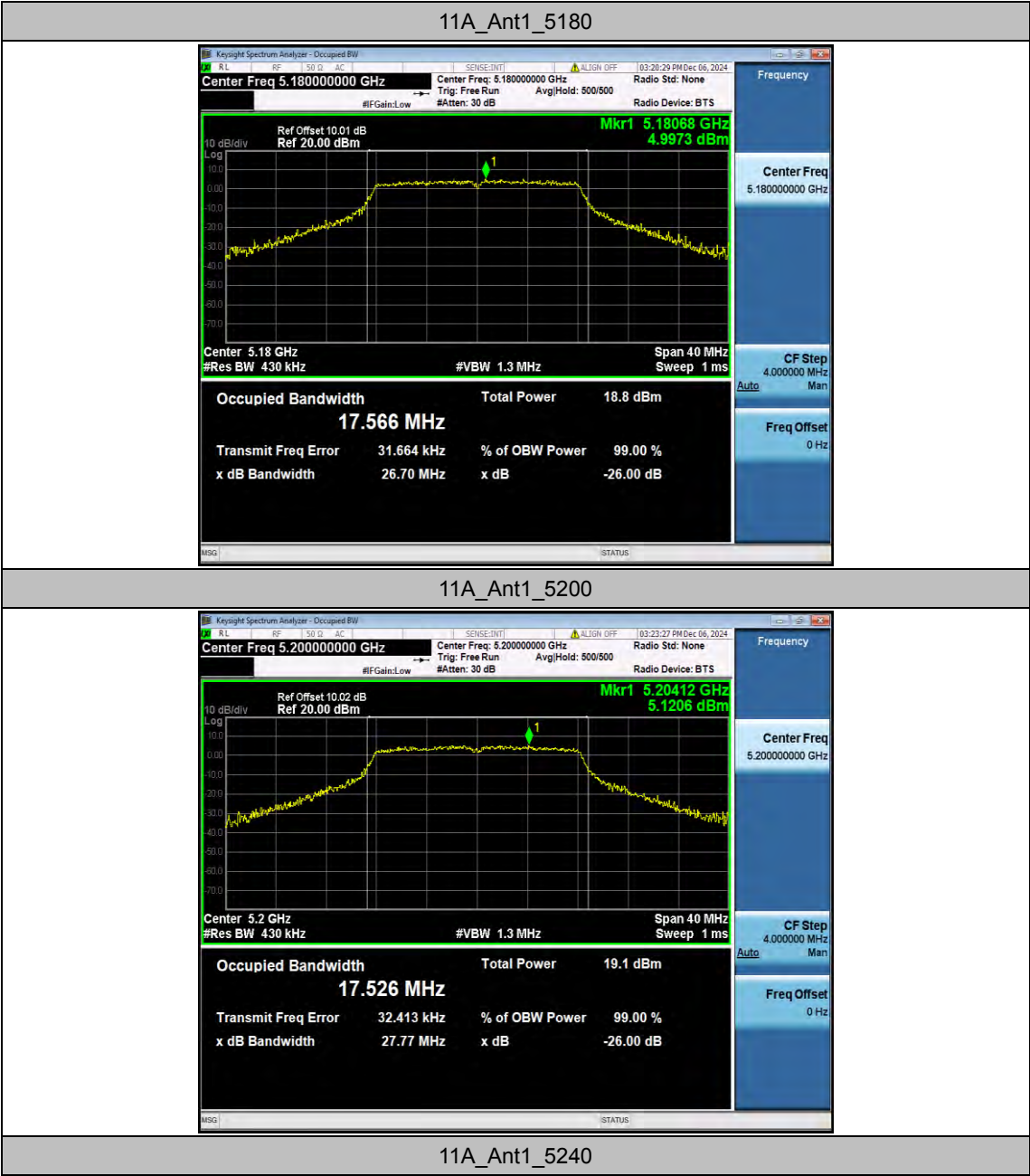


Appendix C.2: Occupied channel bandwidth

Test Result

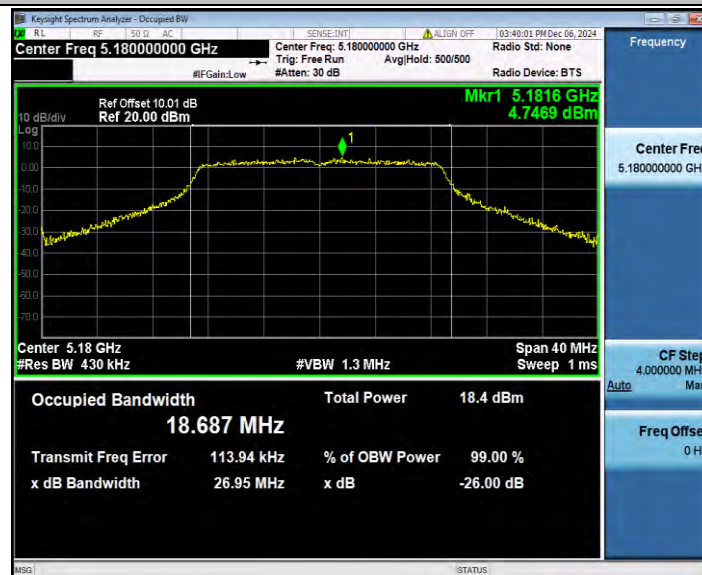
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.566	5171.2487	5188.8147	---	---
		5200	17.526	5191.2694	5208.7954	---	---
		5240	17.576	5231.1561	5248.7321	---	---
11N20SISO	Ant1	5180	18.687	5170.7704	5189.4574	---	---
		5200	18.691	5190.7602	5209.4512	---	---
		5240	18.792	5230.6696	5249.4616	---	---
11N40SISO	Ant1	5190	37.252	5171.5722	5208.8242	---	---
		5230	37.160	5211.5293	5248.6893	---	---
11AC20SISO	Ant1	5180	18.740	5170.7464	5189.4864	---	---
		5200	18.788	5190.7840	5209.5720	---	---
		5240	18.784	5230.6821	5249.4661	---	---
11AC40SISO	Ant1	5190	37.255	5171.6043	5208.8593	---	---
		5230	37.285	5211.4247	5248.7097	---	---
11AX20SISO	Ant1	5180	19.491	5170.4022	5189.8932	---	---
		5200	19.453	5190.4149	5209.8679	---	---
		5240	19.400	5230.3725	5249.7725	---	---
11AX40SISO	Ant1	5190	38.237	5170.9726	5209.2096	---	---
		5230	38.188	5210.9897	5249.1777	---	---

Test Graphs





11N20SISO_Ant1_5180



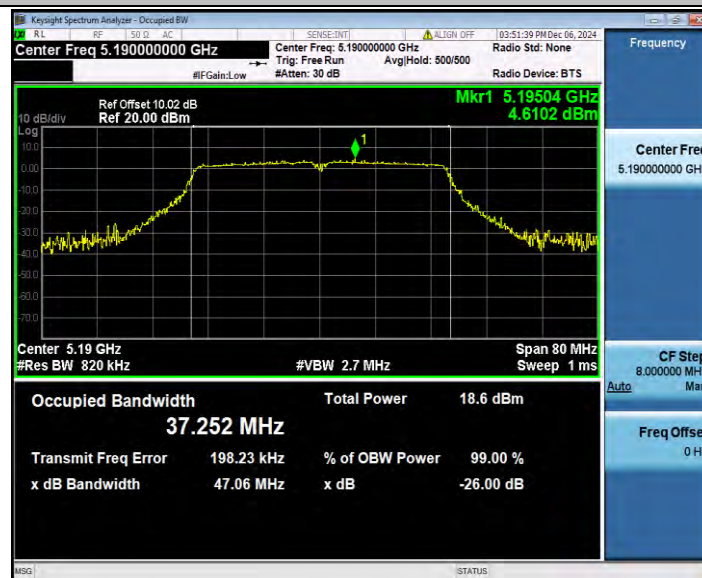
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



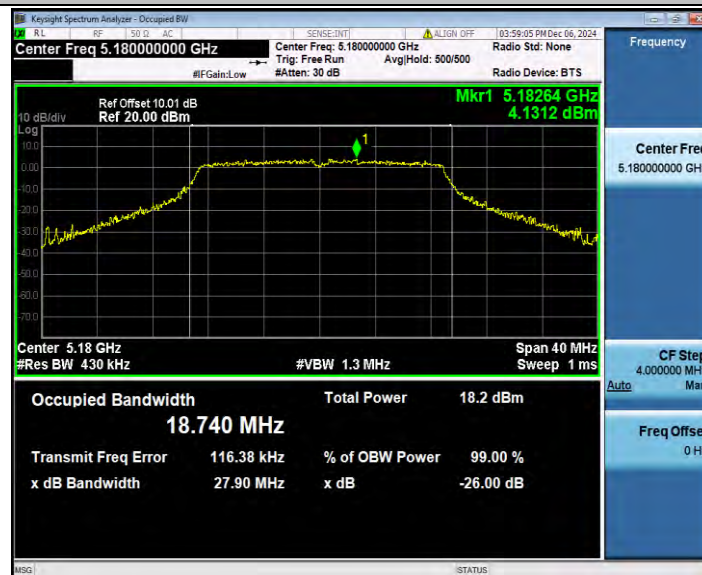
11N40SISO_Ant1_5190



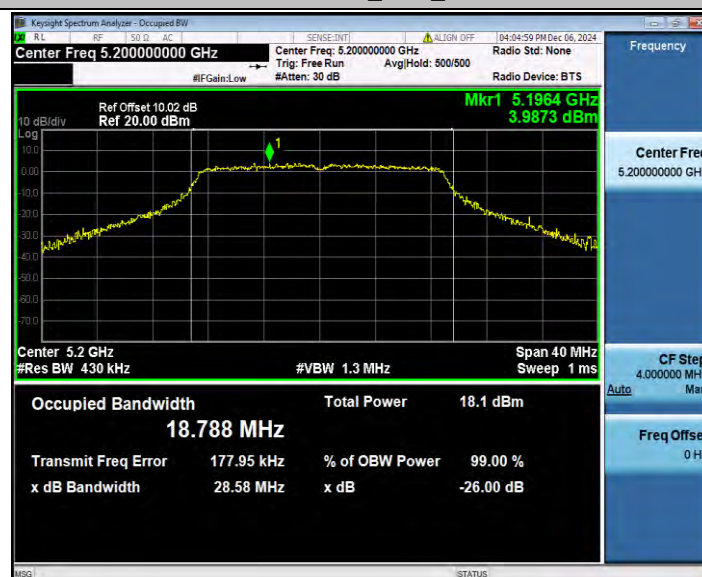
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



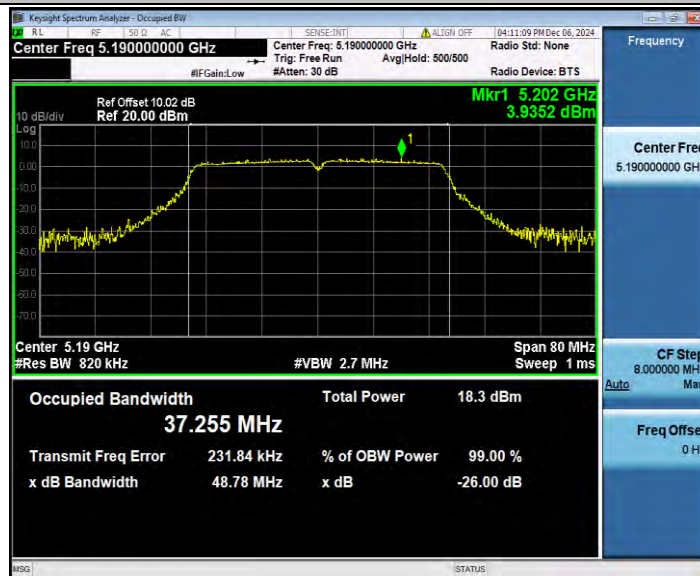
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



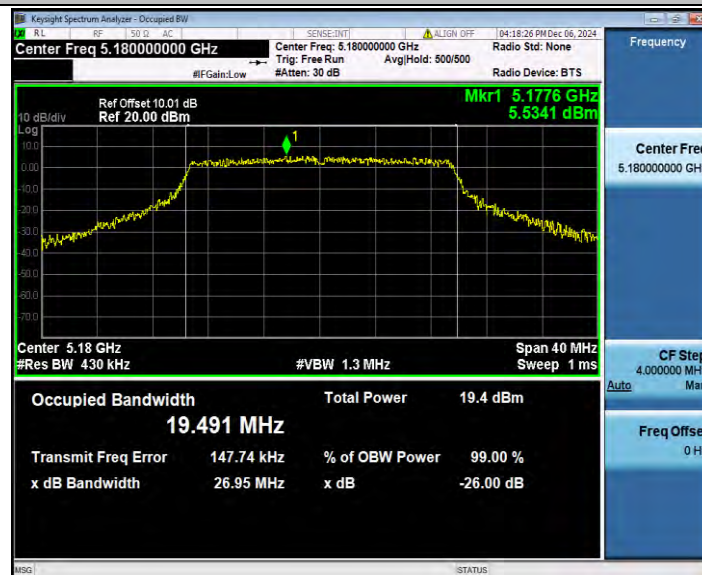
11AC40SISO_Ant1_5190



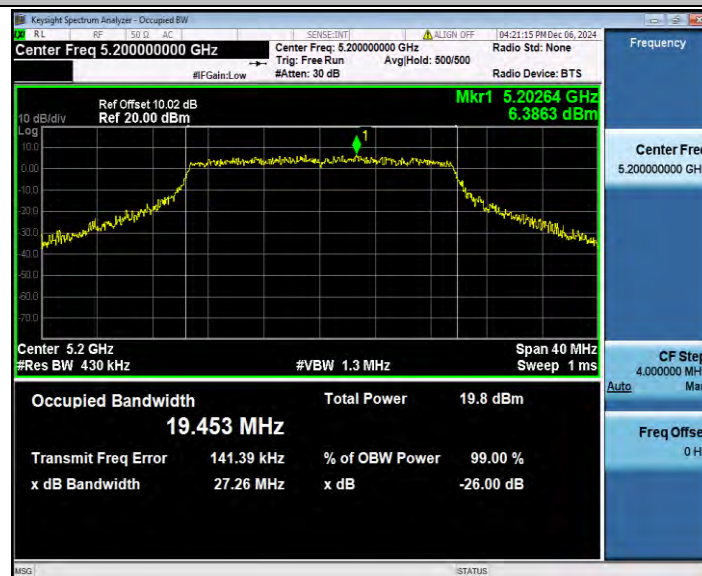
11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



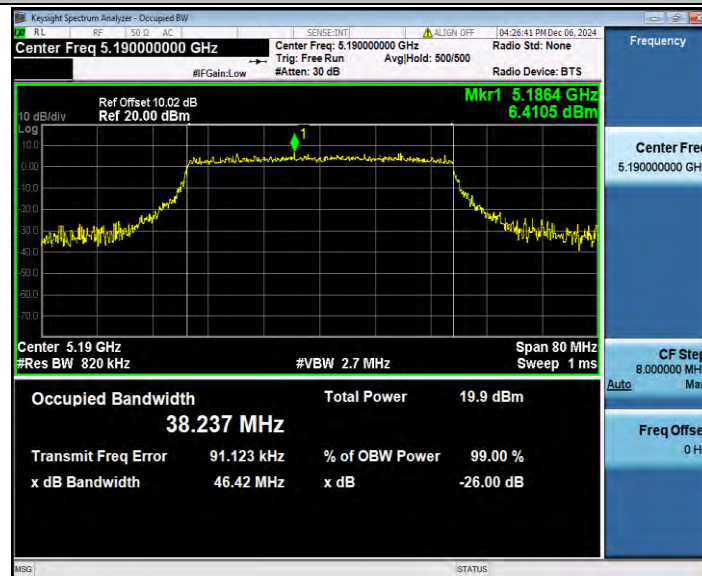
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

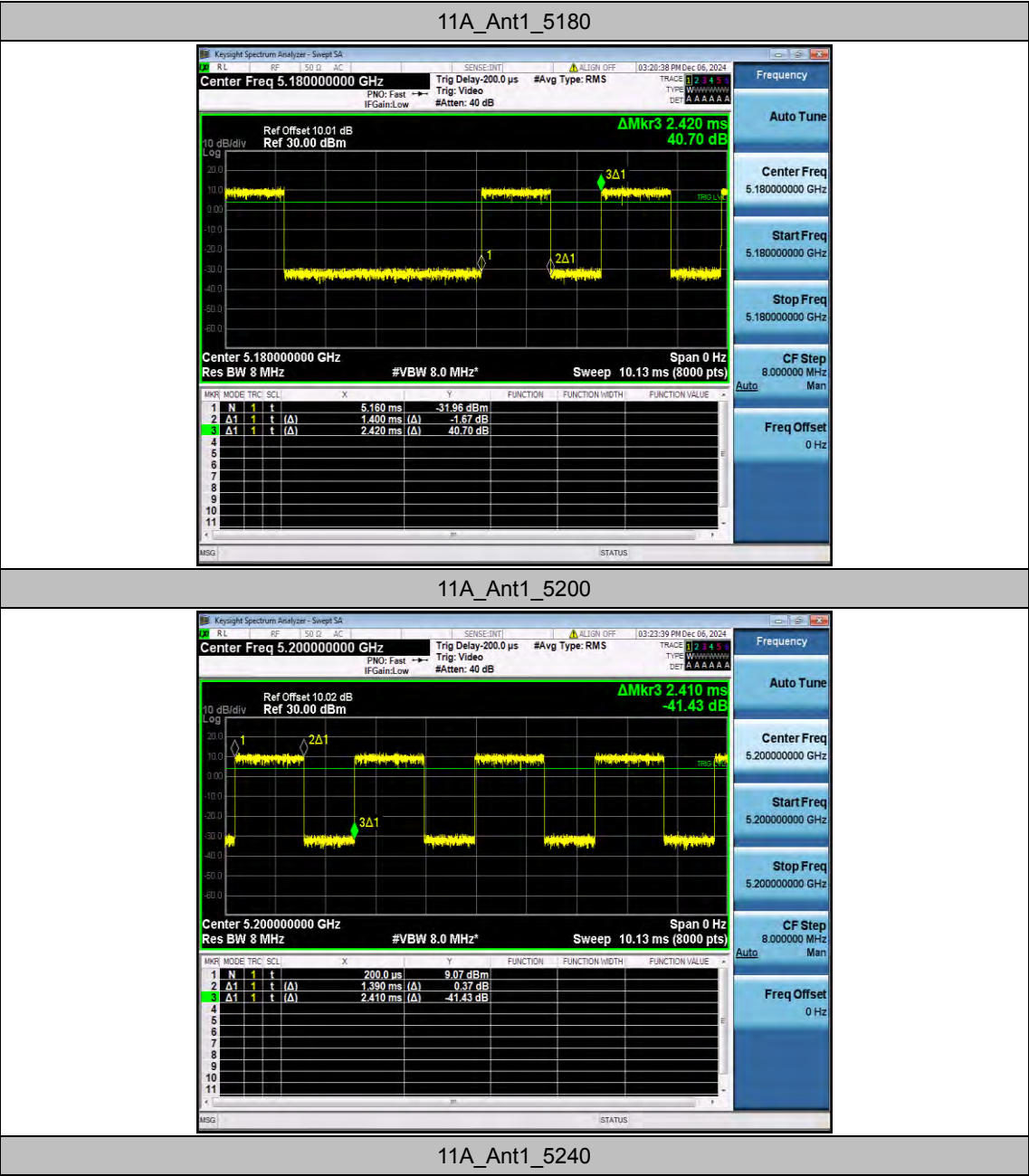


Appendix C.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	1.40	2.42	57.85	2.38	0.71
		5200	1.39	2.41	57.68	2.39	0.72
		5240	1.40	2.41	58.09	2.36	0.71
11N20SISO	Ant1	5180	5.09	7.29	69.82	1.56	0.20
		5200	5.08	6.10	83.28	0.79	0.20
		5240	5.09	6.11	83.31	0.79	0.20
11N40SISO	Ant1	5190	2.47	3.49	70.77	1.50	0.40
		5230	2.47	3.49	70.77	1.50	0.40
11AC20SISO	Ant1	5180	5.10	6.12	83.33	0.79	0.20
		5200	5.10	7.20	70.83	1.50	0.20
		5240	5.09	6.11	83.31	0.79	0.20
11AC40SISO	Ant1	5190	4.91	5.96	82.38	0.84	0.20
		5230	4.90	5.92	82.77	0.82	0.20
11AX20SISO	Ant1	5180	3.87	4.93	78.50	1.05	0.26
		5200	3.87	4.90	78.98	1.02	0.26
		5240	3.88	4.90	79.18	1.01	0.26
11AX40SISO	Ant1	5190	3.87	4.91	78.82	1.03	0.26
		5230	3.87	4.89	79.14	1.02	0.26

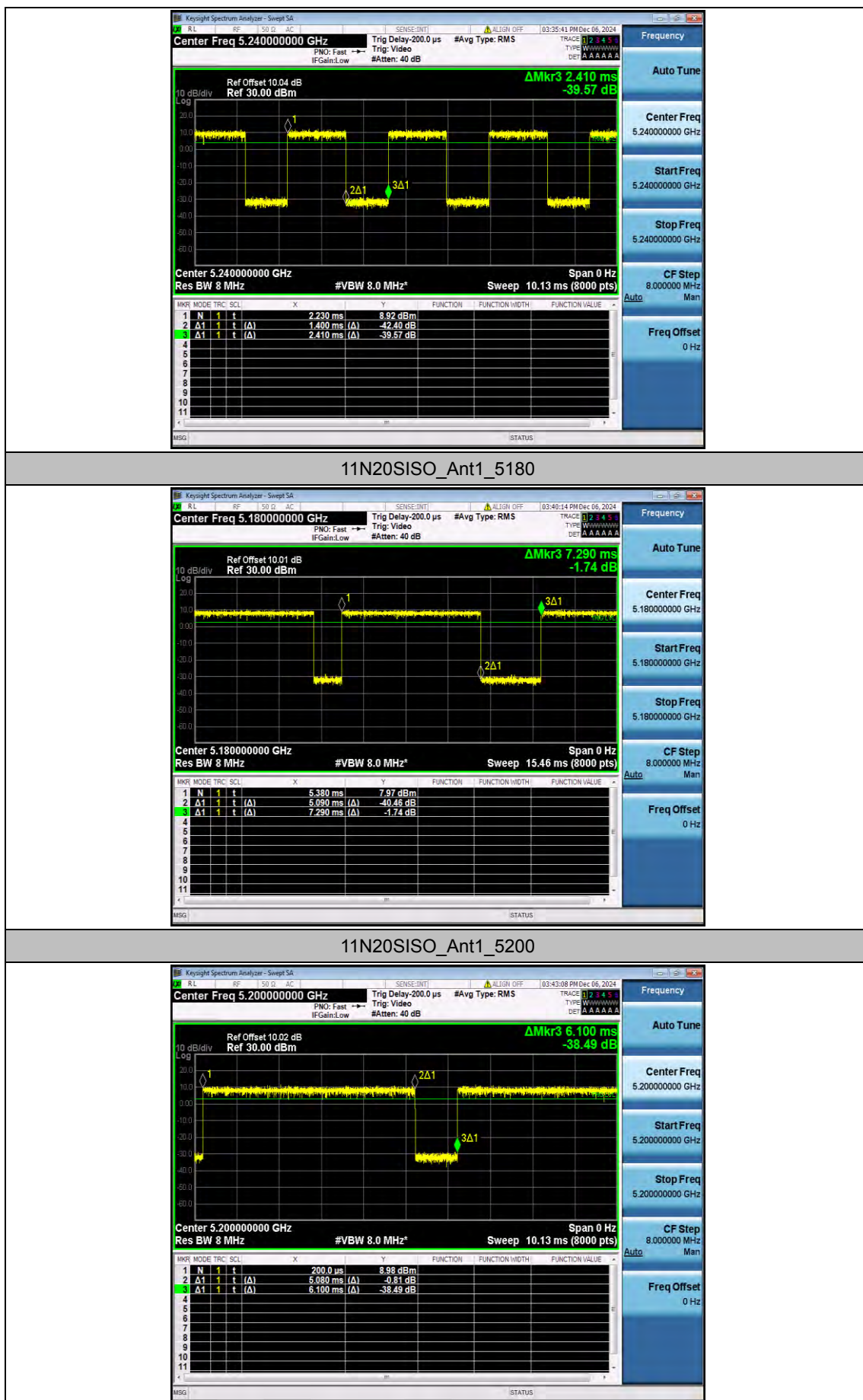
Test Graphs



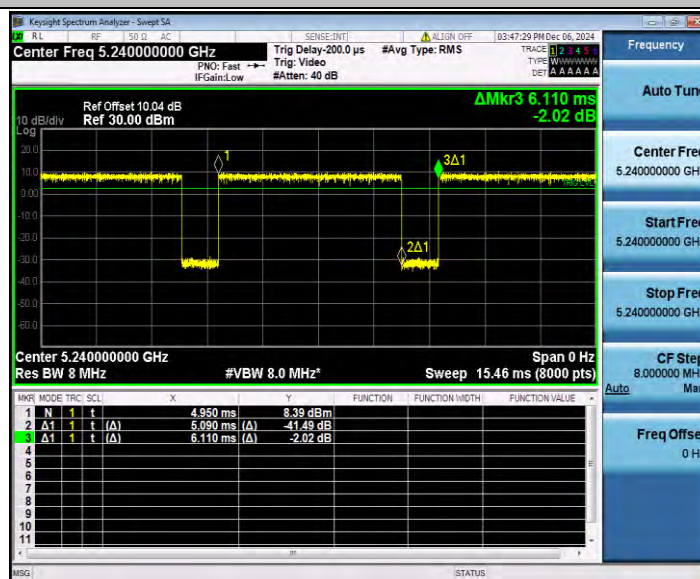
11A_Ant1_5200

Frequency
Auto Tune
Center Freq 5.20000000 GHz
Start Freq 5.20000000 GHz
Stop Freq 5.20000000 GHz
CF Step 8.000000 MHz
Freq Offset 0 Hz

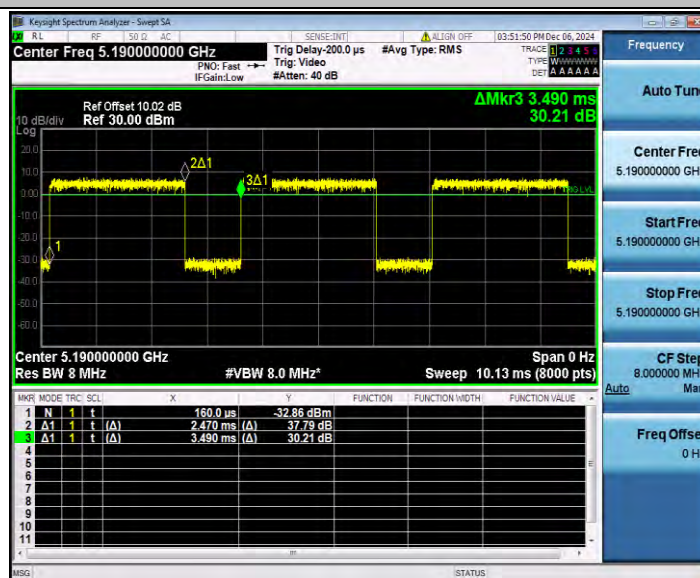
11A_Ant1_5240



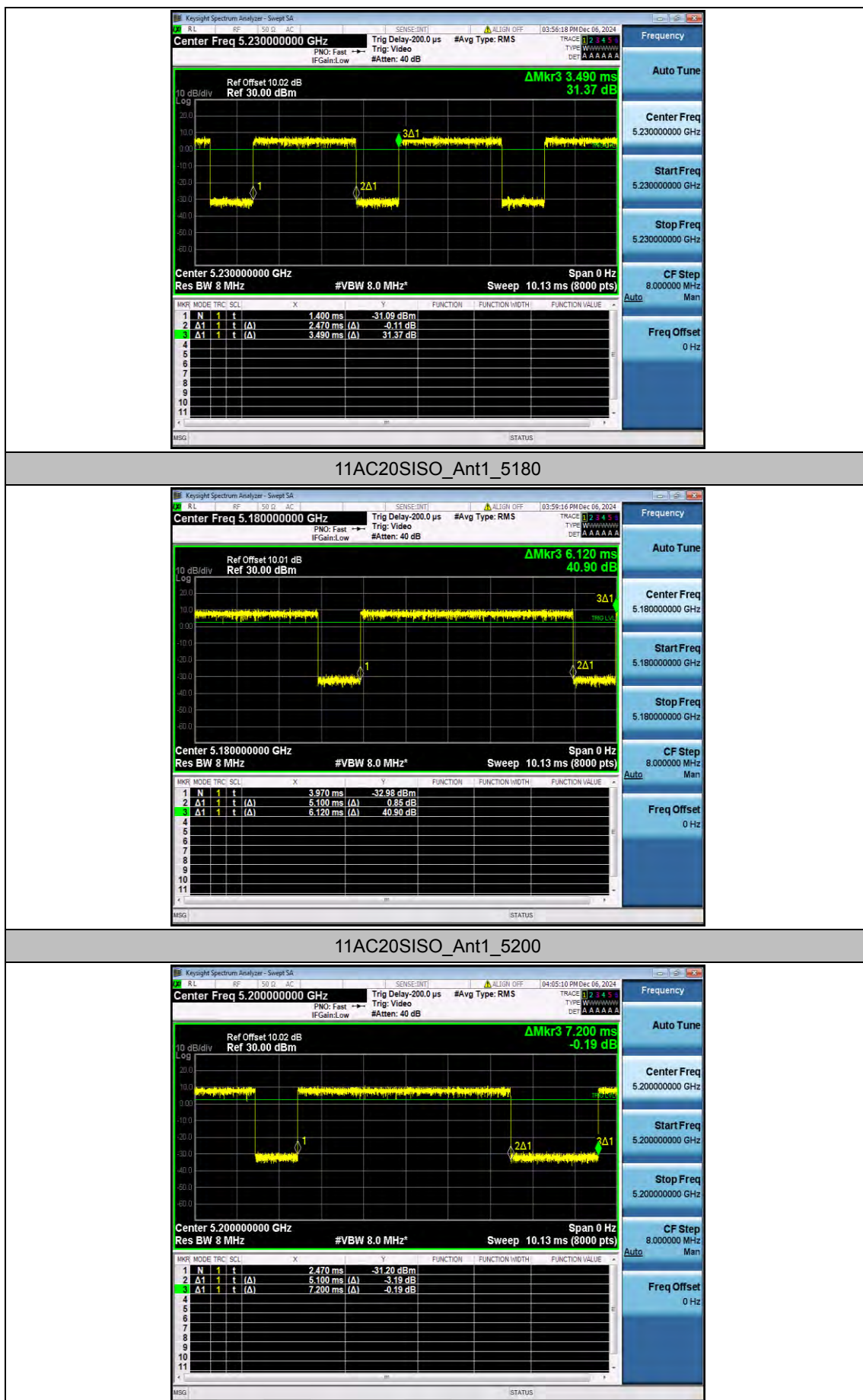
11N20SISO Ant1 5240



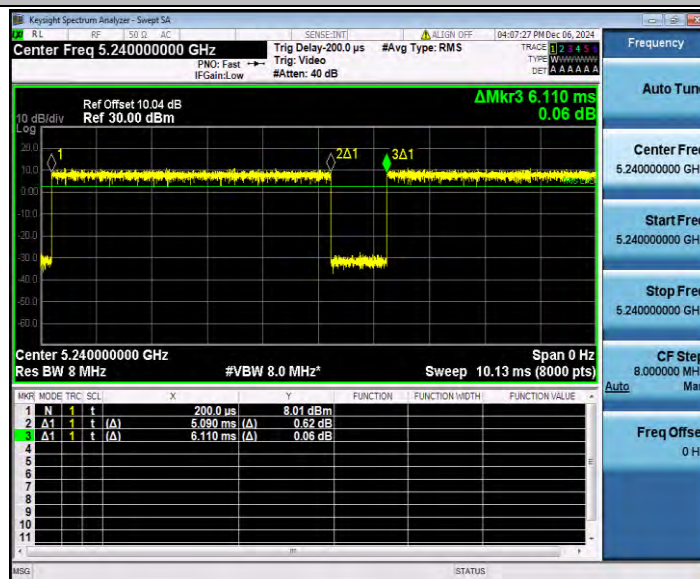
11N40SISO Ant1 5190



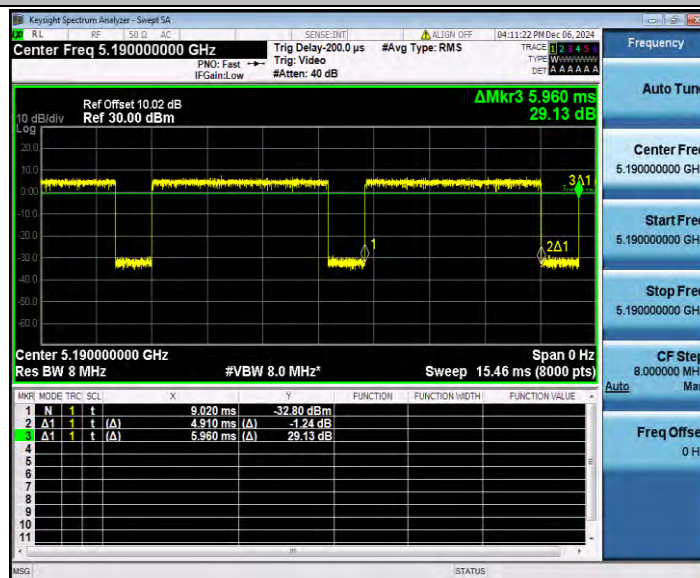
11N40SISO Ant1 5230



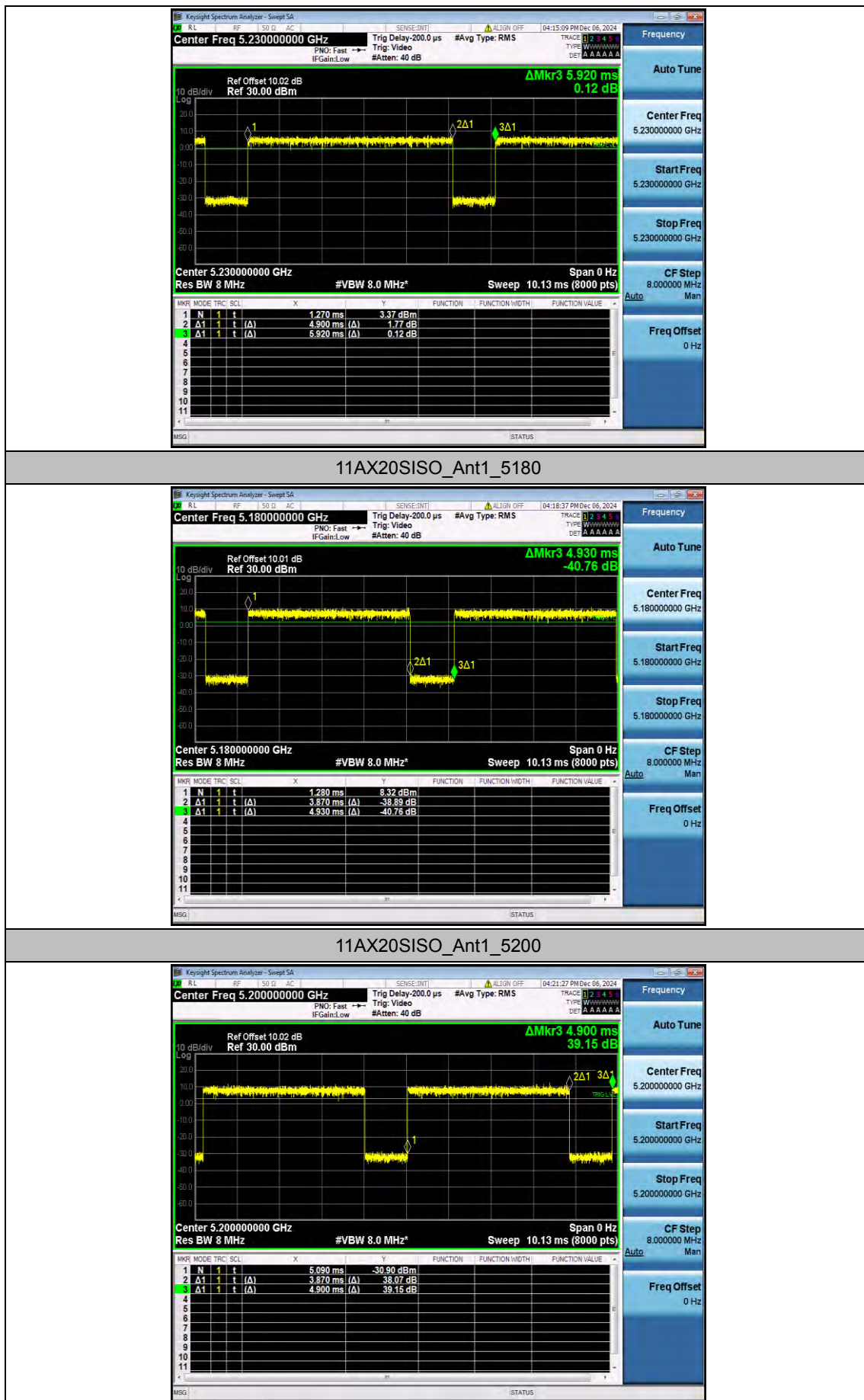
11AC20SISO_Ant1_5240

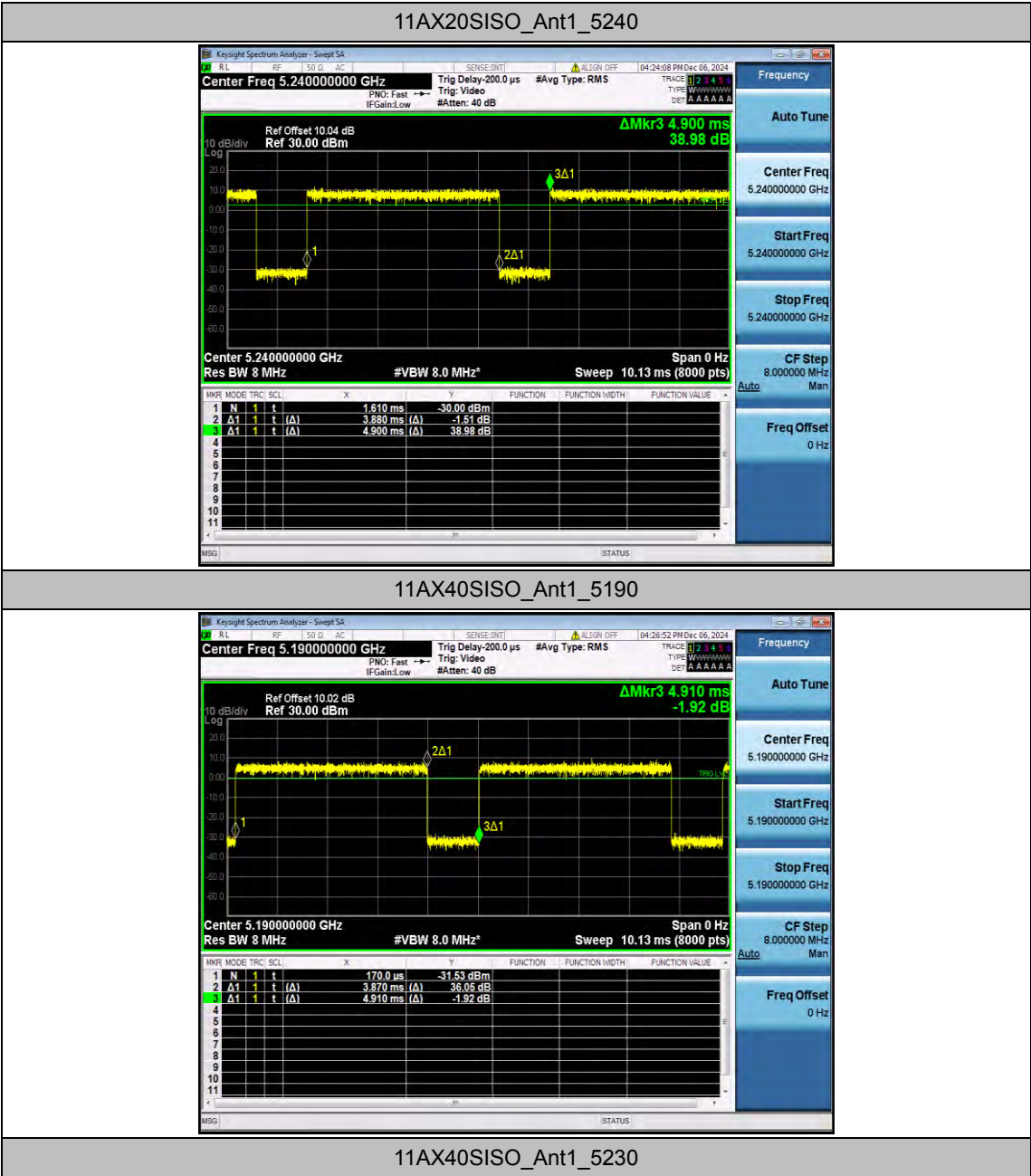


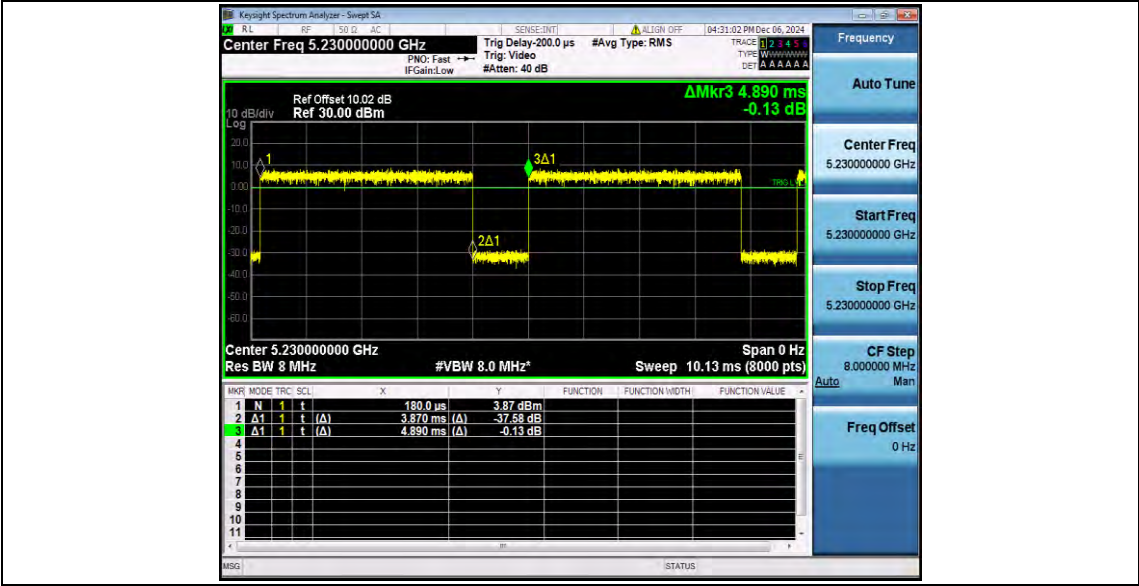
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230







Appendix C.4: 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	8.64	57.85	2.38	11.02	≤23.98	PASS
		5200	10.02	57.68	2.39	12.41	≤23.98	PASS
		5240	9.96	58.09	2.36	12.32	≤23.98	PASS
11N20SISO	Ant1	5180	10.57	69.82	1.56	12.13	≤23.98	PASS
		5200	10.71	83.28	0.79	11.50	≤23.98	PASS
		5240	10.19	83.31	0.79	10.98	≤23.98	PASS
11N40SISO	Ant1	5190	9.67	70.77	1.50	11.17	≤23.98	PASS
		5230	9.80	70.77	1.50	11.30	≤23.98	PASS
11AC20SISO	Ant1	5180	10.46	83.33	0.79	11.25	≤23.98	PASS
		5200	10.60	70.83	1.50	12.10	≤23.98	PASS
		5240	10.13	83.31	0.79	10.92	≤23.98	PASS
11AC40SISO	Ant1	5190	10.07	82.38	0.84	10.91	≤23.98	PASS
		5230	10.20	82.77	0.82	11.02	≤23.98	PASS
11AX20SISO	Ant1	5180	9.98	78.50	1.05	11.03	≤23.98	PASS
		5200	10.16	78.98	1.02	11.18	≤23.98	PASS
		5240	10.15	79.18	1.01	11.16	≤23.98	PASS
11AX40SISO	Ant1	5190	9.95	78.82	1.03	10.98	≤23.98	PASS
		5230	10.25	79.14	1.02	11.27	≤23.98	PASS

Appendix C.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	3.10	≤11.00	PASS
		5200	3.49	≤11.00	PASS
		5240	3.28	≤11.00	PASS
11N20SISO	Ant1	5180	1.42	≤11.00	PASS
		5200	0.71	≤11.00	PASS
		5240	0.49	≤11.00	PASS
11N40SISO	Ant1	5190	-1.62	≤11.00	PASS
		5230	-1.40	≤11.00	PASS
11AC20SISO	Ant1	5180	0.38	≤11.00	PASS
		5200	1.27	≤11.00	PASS
		5240	0.32	≤11.00	PASS
11AC40SISO	Ant1	5190	-2.54	≤11.00	PASS
		5230	-2.64	≤11.00	PASS
11AX20SISO	Ant1	5180	0.24	≤11.00	PASS
		5200	0.64	≤11.00	PASS
		5240	0.53	≤11.00	PASS
11AX40SISO	Ant1	5190	-2.19	≤11.00	PASS
		5230	-2.30	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5180



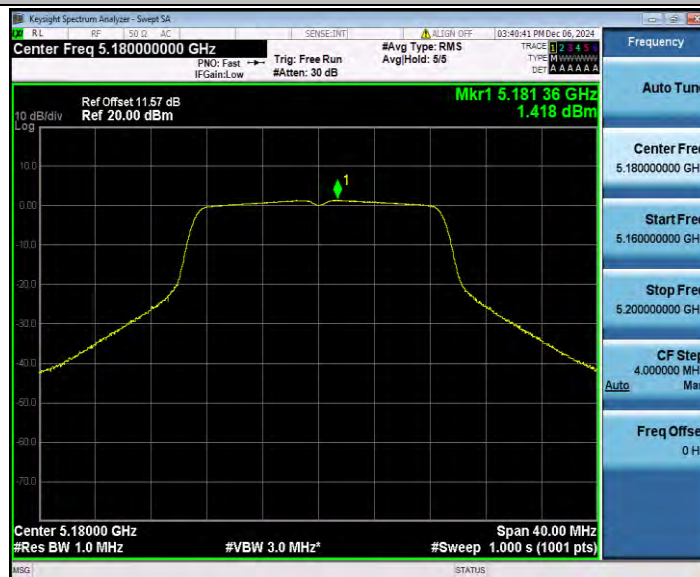
11A_Ant1_5200



11A_Ant1_5240



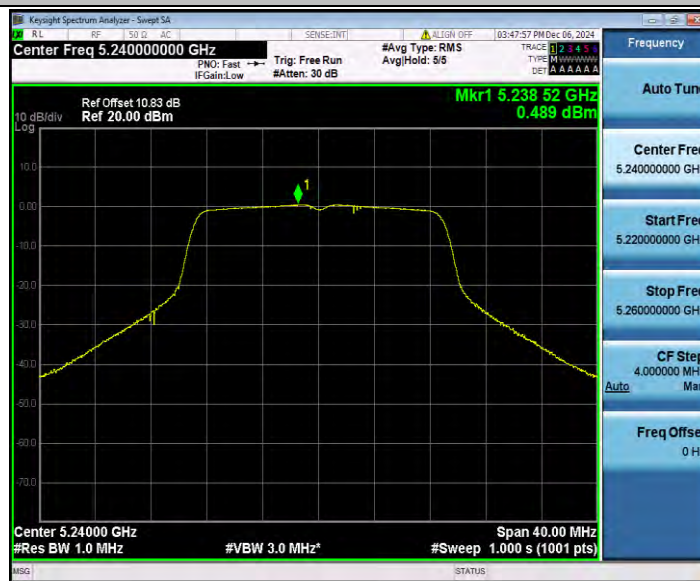
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



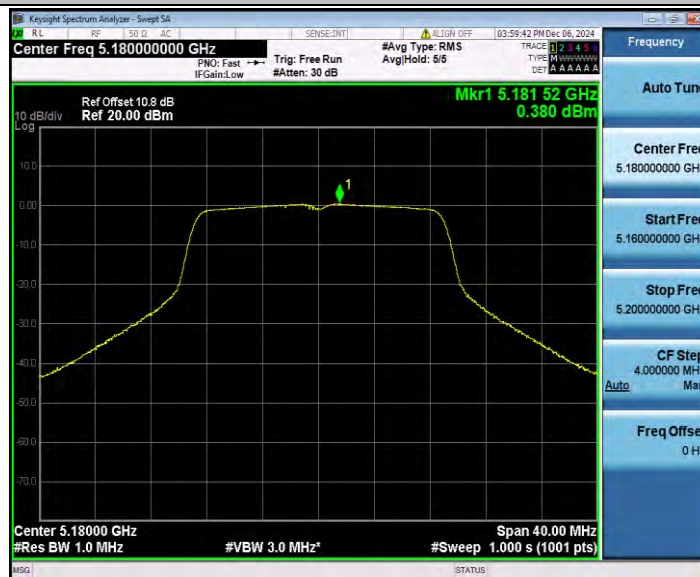
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



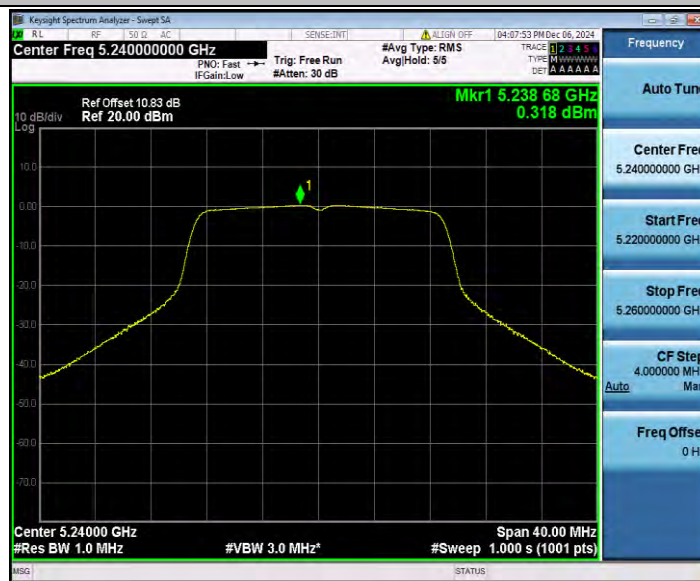
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



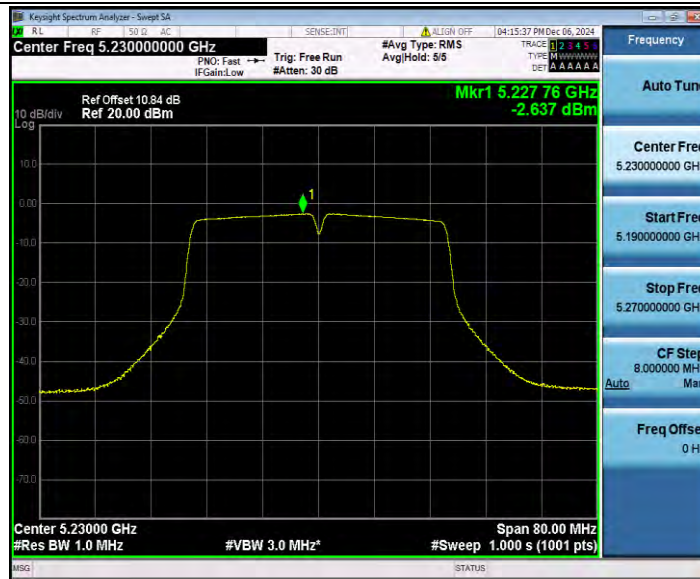
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

