

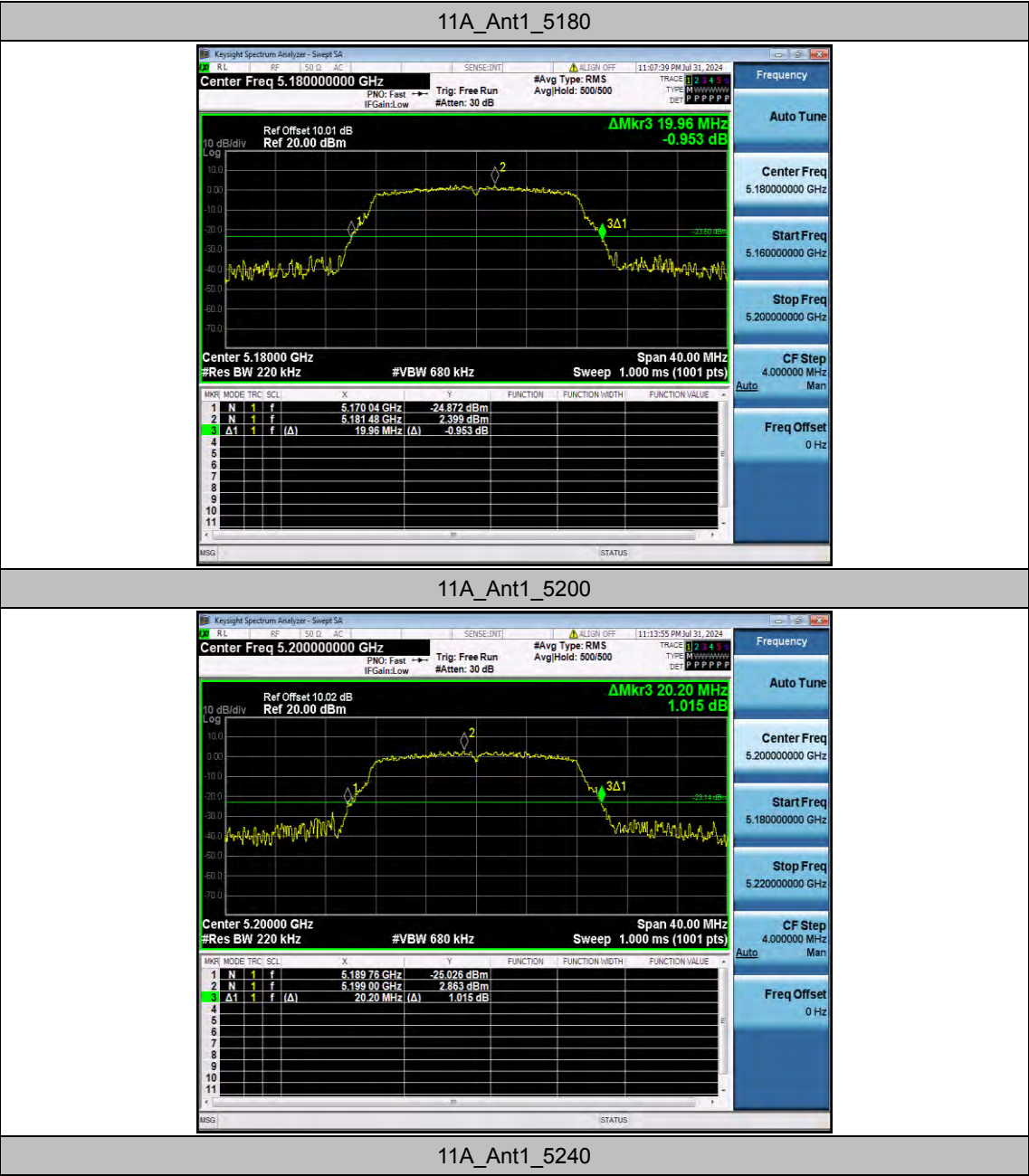
Case No. : <u>CTA24071502304</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.7.31</u>	Test Engineer: <u>Lushan Kong</u>

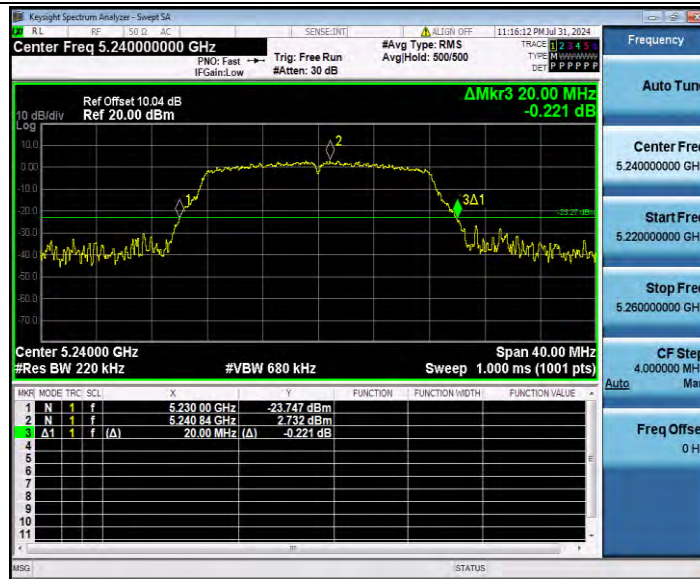
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.960	5170.040	5190.000	---	---
		5200	20.200	5189.760	5209.960	---	---
		5240	20.000	5230.000	5250.000	---	---
11N20SISO	Ant1	5180	20.080	5169.960	5190.040	---	---
		5200	20.360	5189.880	5210.240	---	---
		5240	20.360	5229.840	5250.200	---	---
11N40SISO	Ant1	5190	40.880	5169.440	5210.320	---	---
		5230	40.400	5209.840	5250.240	---	---
11AC20SISO	Ant1	5180	20.200	5169.880	5190.080	---	---
		5200	20.320	5189.840	5210.160	---	---
		5240	20.440	5229.760	5250.200	---	---
11AC40SISO	Ant1	5190	40.080	5170.080	5210.160	---	---
		5230	40.560	5209.600	5250.160	---	---
11AC80SISO	Ant1	5210	80.640	5169.840	5250.480	---	---

Test Graphs





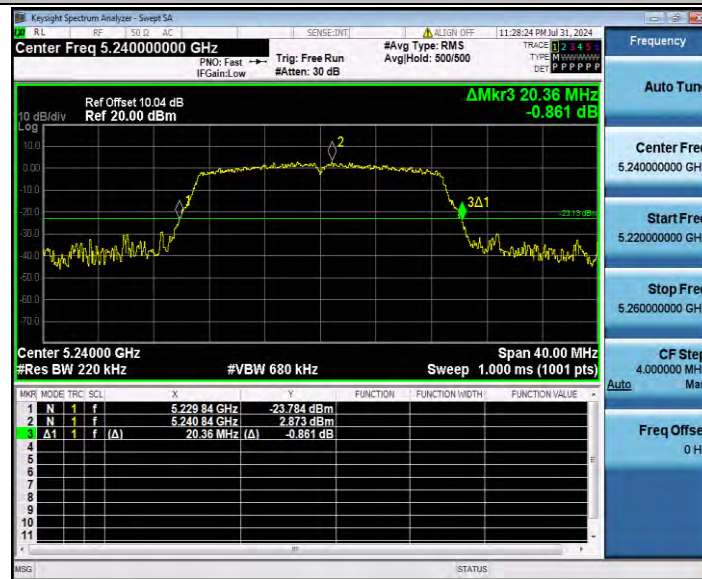
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



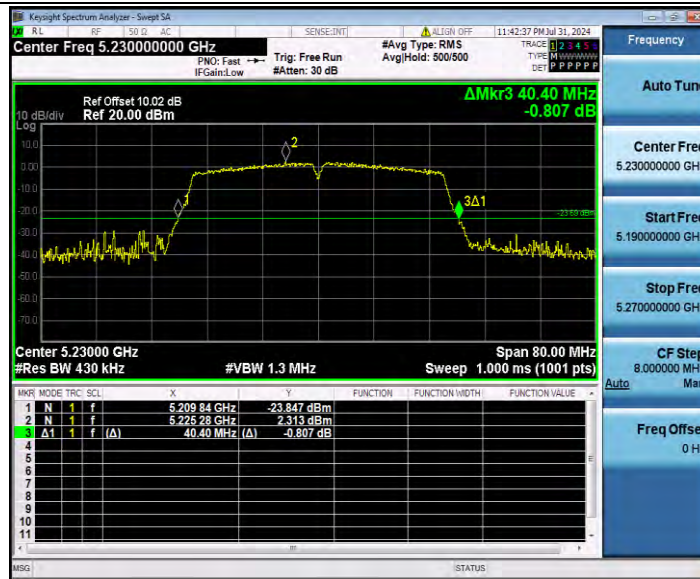
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

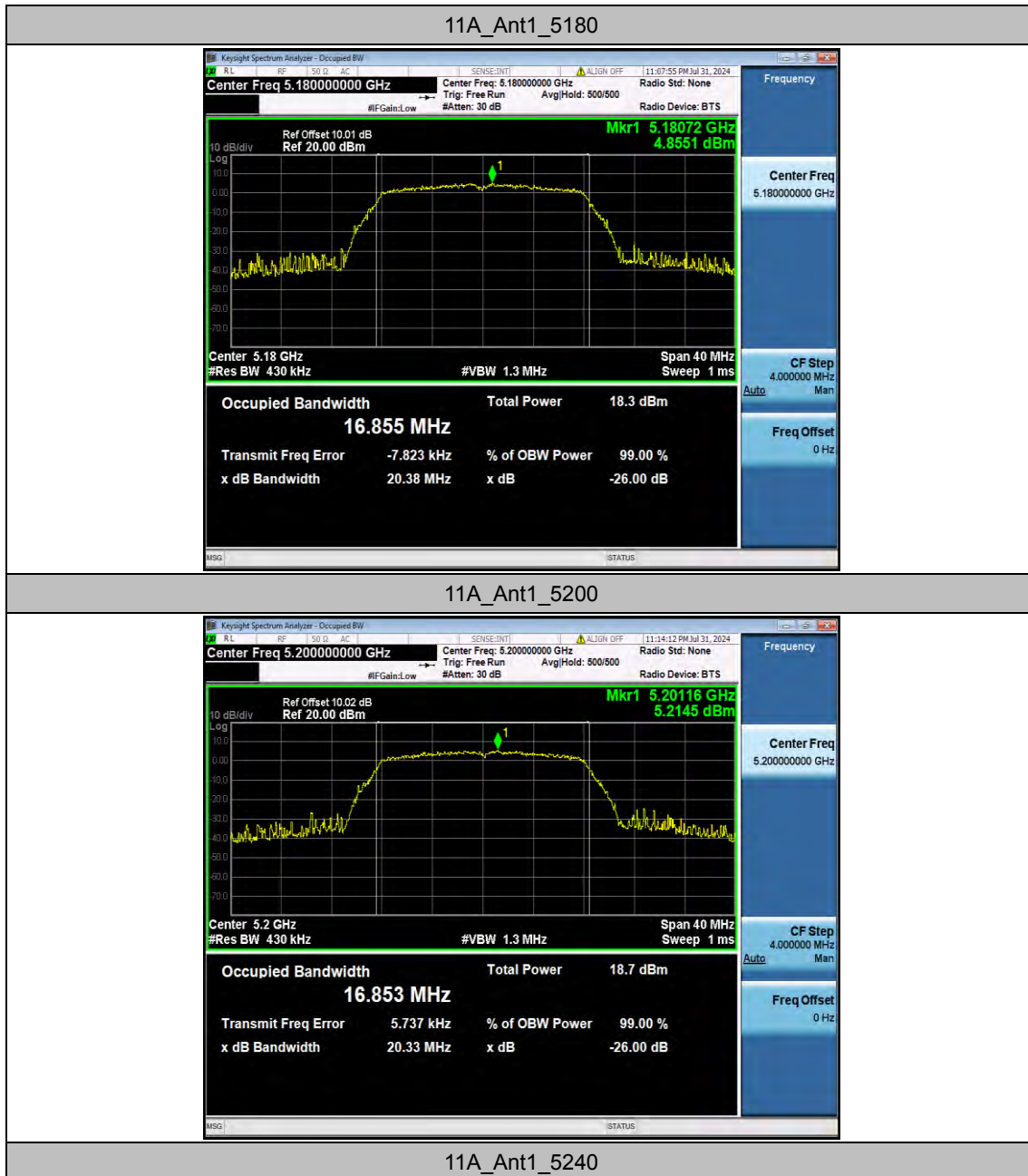


Appendix D.2: Occupied channel bandwidth

Test Result

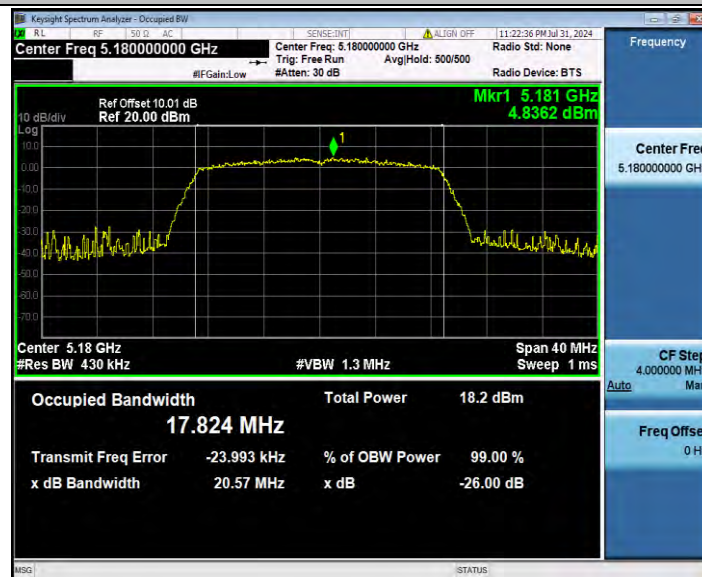
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.855	5171.5647	5188.4197	---	---
		5200	16.853	5191.5792	5208.4322	---	---
		5240	16.857	5231.5853	5248.4423	---	---
11N20SISO	Ant1	5180	17.824	5171.0640	5188.8880	---	---
		5200	17.844	5191.0399	5208.8839	---	---
		5240	17.819	5231.0677	5248.8867	---	---
11N40SISO	Ant1	5190	36.252	5171.8901	5208.1421	---	---
		5230	36.335	5211.8108	5248.1458	---	---
11AC20SISO	Ant1	5180	17.883	5171.0654	5188.9484	---	---
		5200	17.833	5191.0772	5208.9102	---	---
		5240	17.805	5231.0815	5248.8865	---	---
11AC40SISO	Ant1	5190	36.292	5171.8922	5208.1842	---	---
		5230	36.166	5211.9359	5248.1019	---	---
11AC80SISO	Ant1	5210	75.148	5172.5191	5247.6671	---	---

Test Graphs

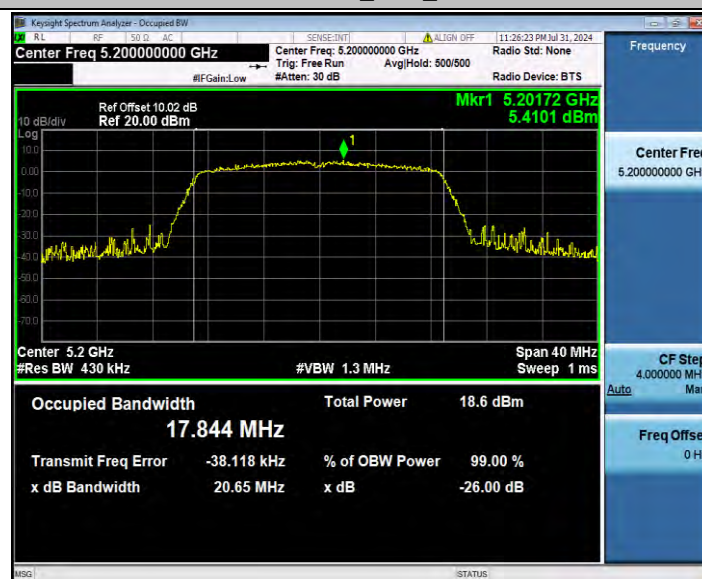




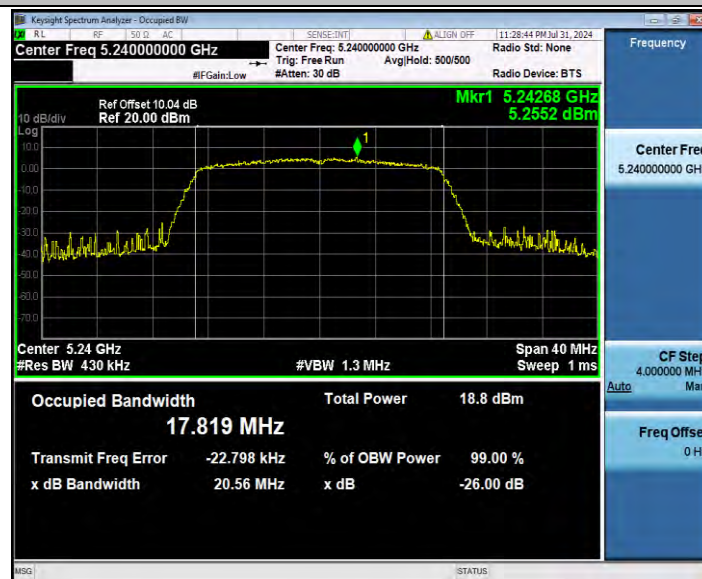
11N20SISO_Ant1_5180



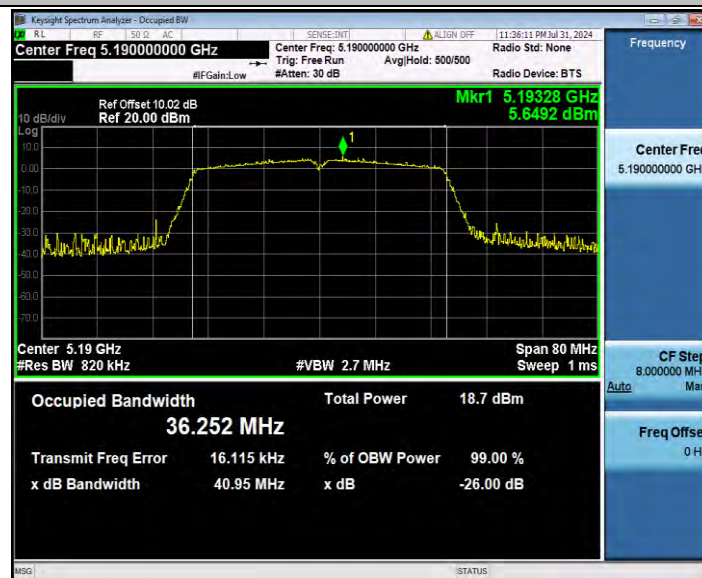
11N20SISO_Ant1_5200



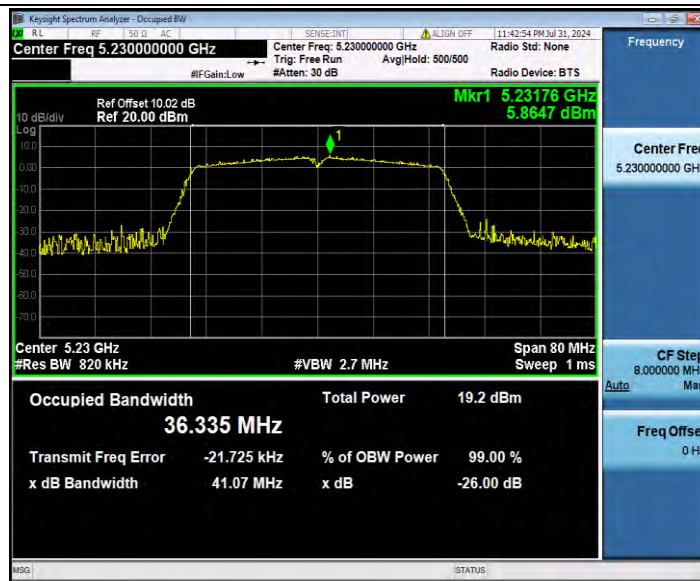
11N20SISO_Ant1_5240



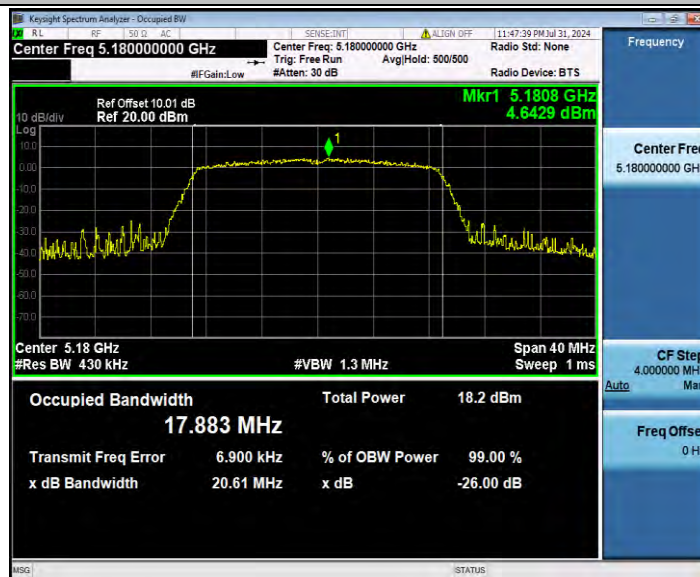
11N40SISO_Ant1_5190



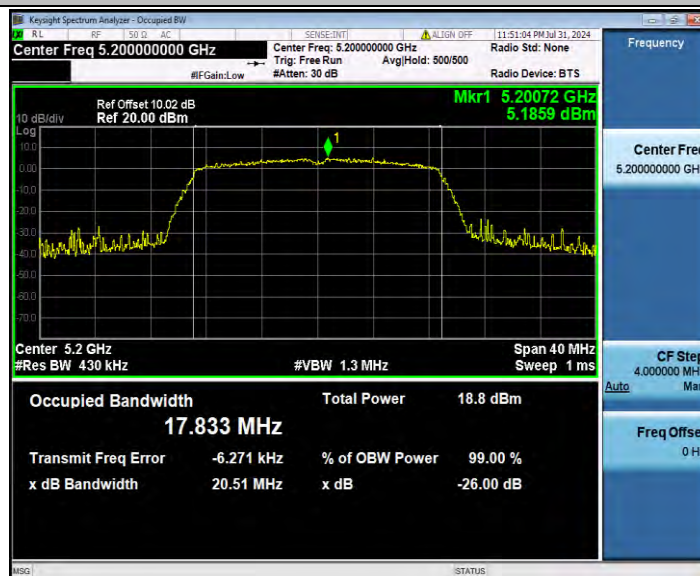
11N40SISO_Ant1_5230



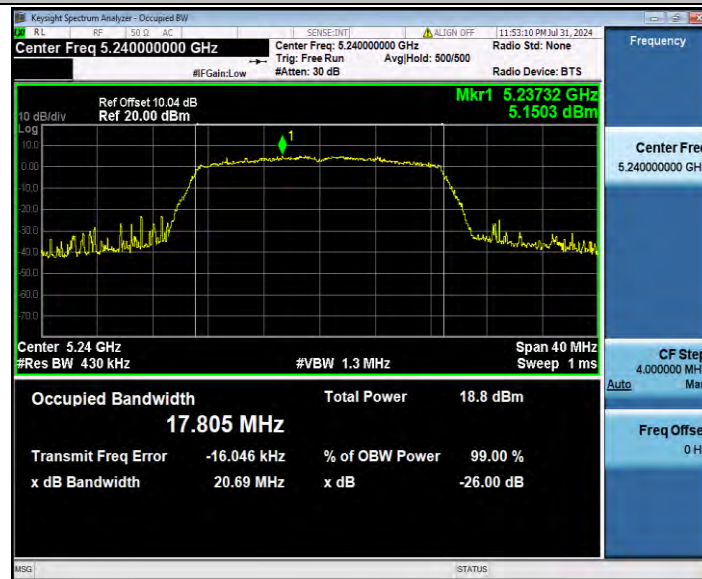
11AC20SISO_Ant1_5180



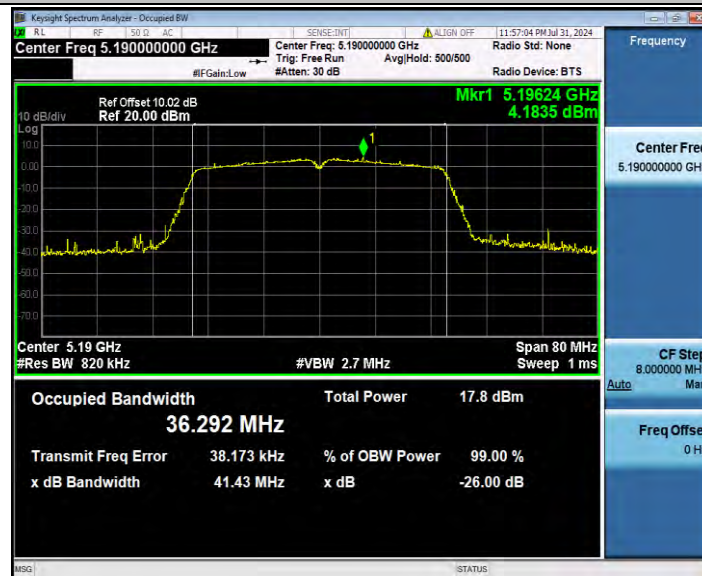
11AC20SISO_Ant1_5200



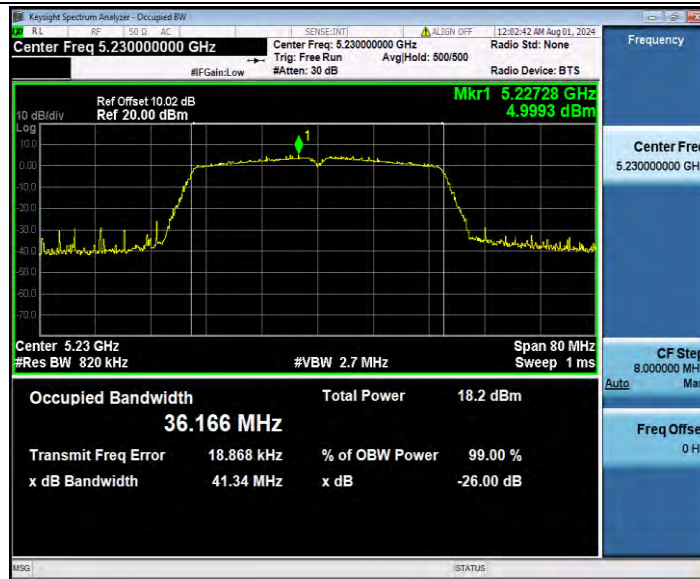
11AC20SISO_Ant1_5240



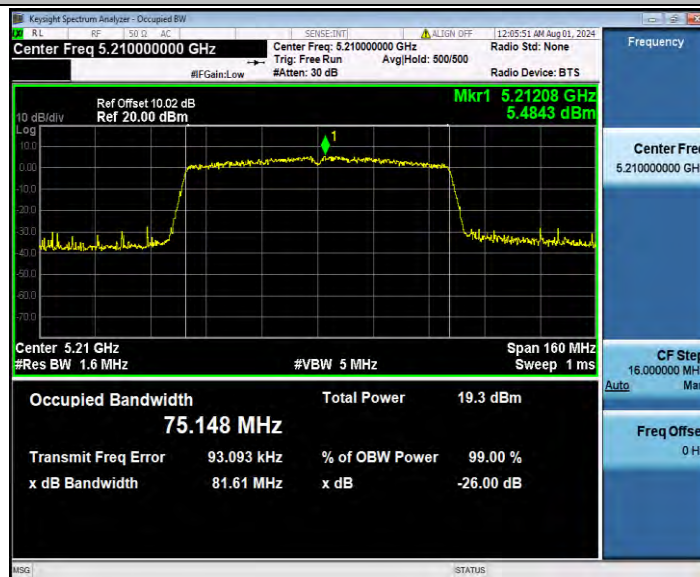
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

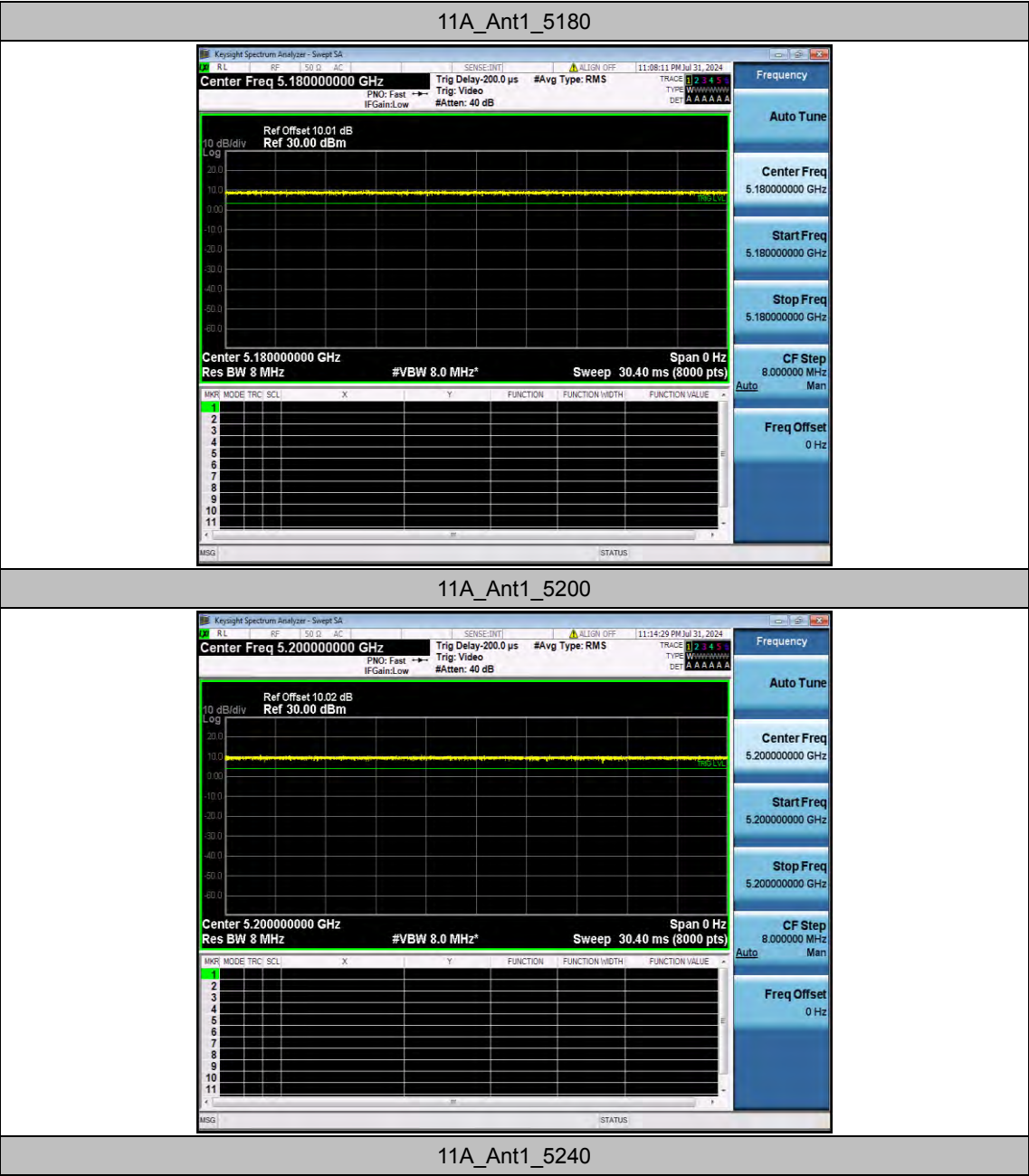


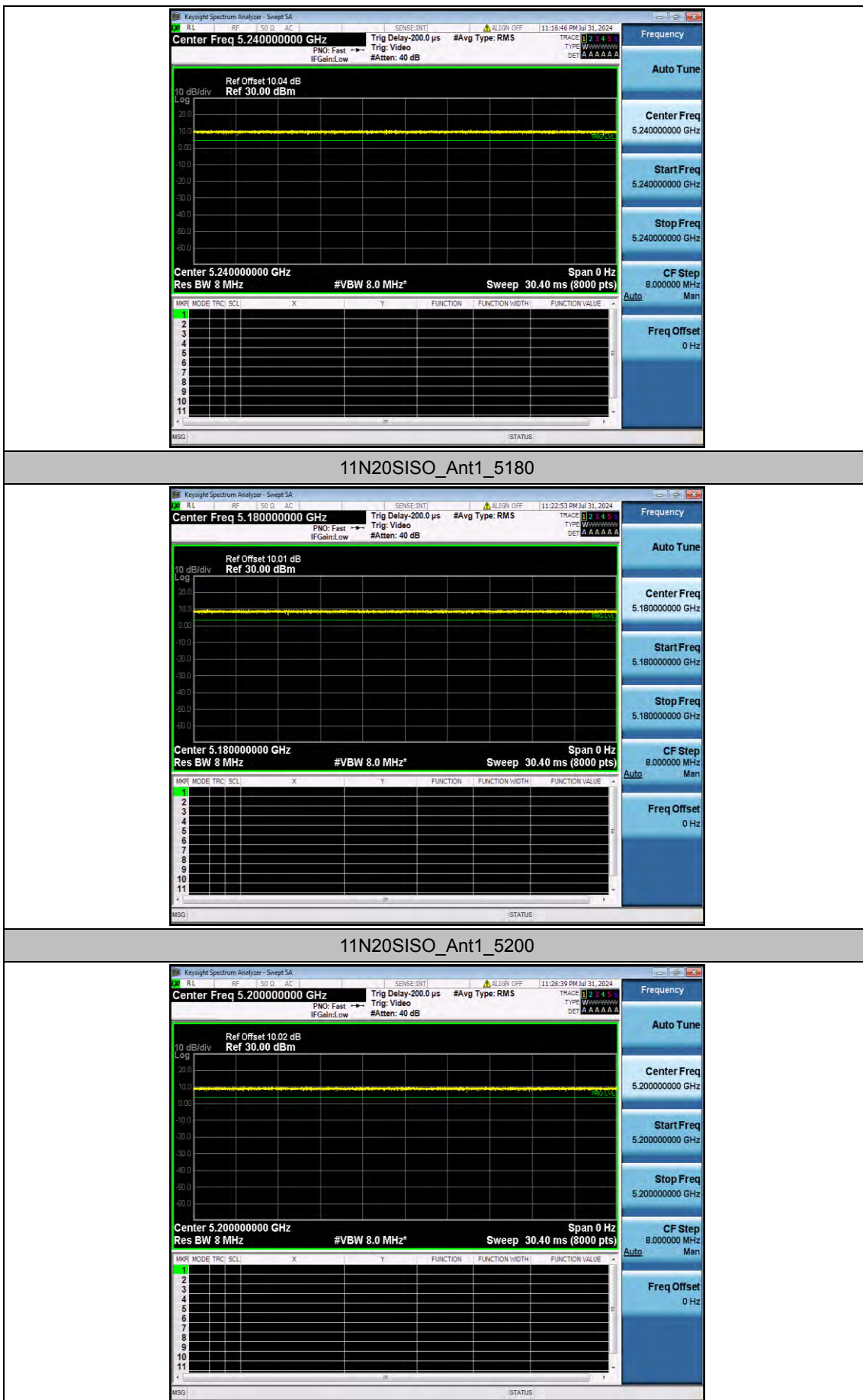
Appendix D.3: Duty Cycle

Test Result

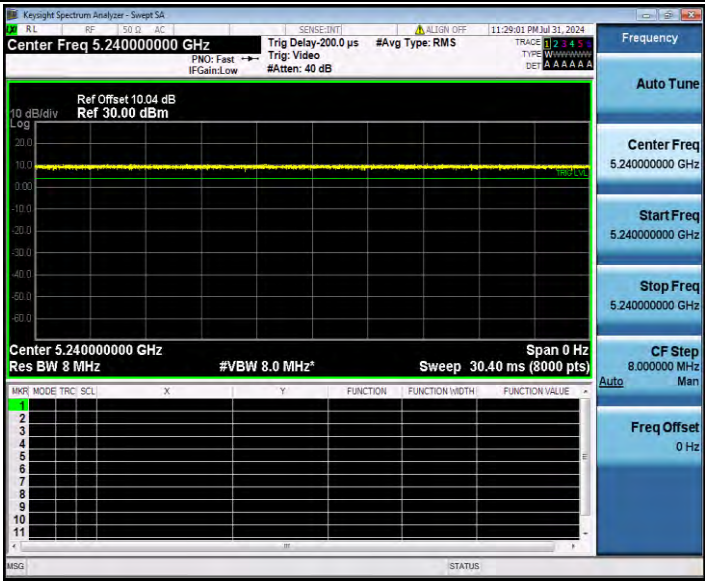
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N40SISO	Ant1	5190	30.00	30.00	100.00	0.00	0.03
		5230	30.00	30.00	100.00	0.00	0.03
11AC20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11AC40SISO	Ant1	5190	30.00	30.00	100.00	0.00	0.03
		5230	30.00	30.00	100.00	0.00	0.03
11AC80SISO	Ant1	5210	30.00	30.00	100.00	0.00	0.03

Test Graphs

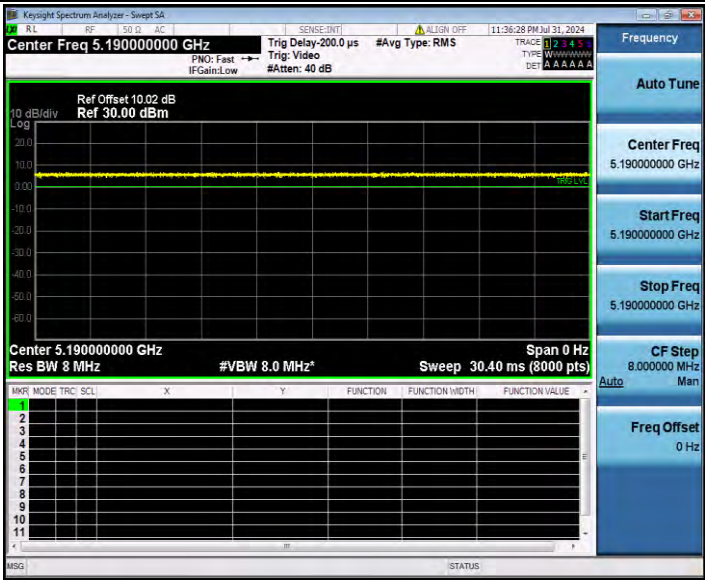




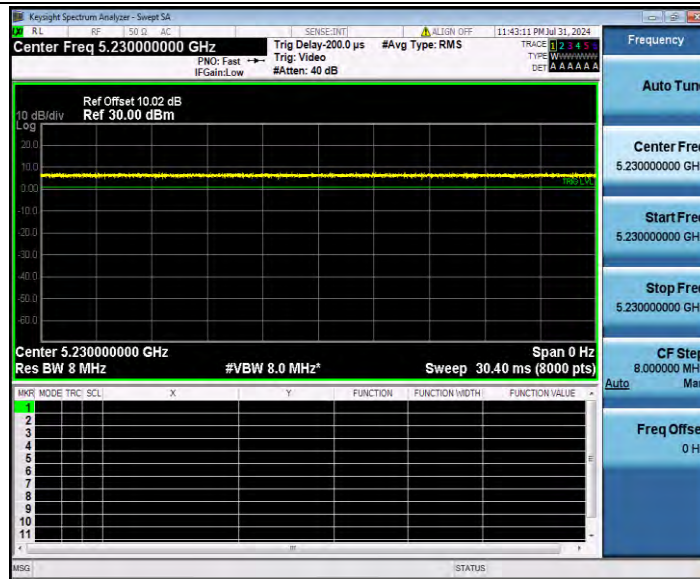
11N20SISO_Ant1_5240



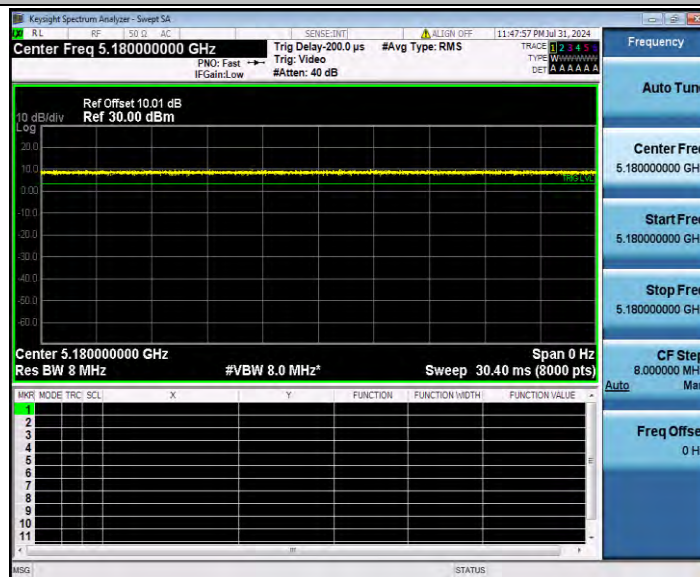
11N40SISO_Ant1_5190



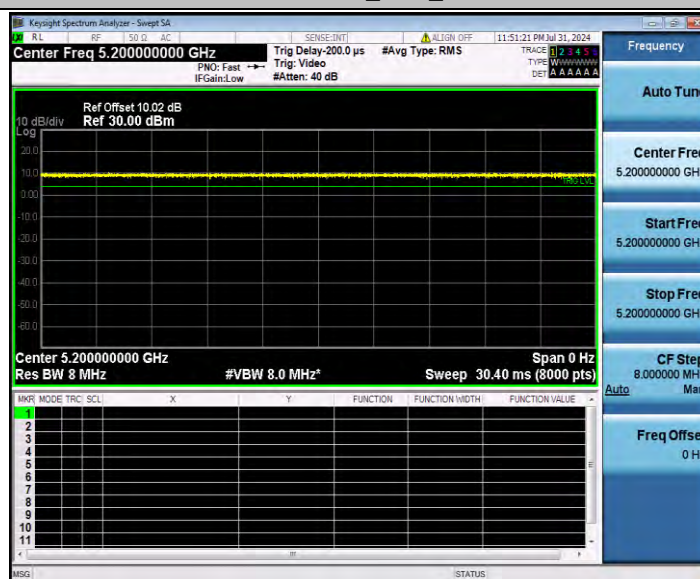
11N40SISO_Ant1_5230

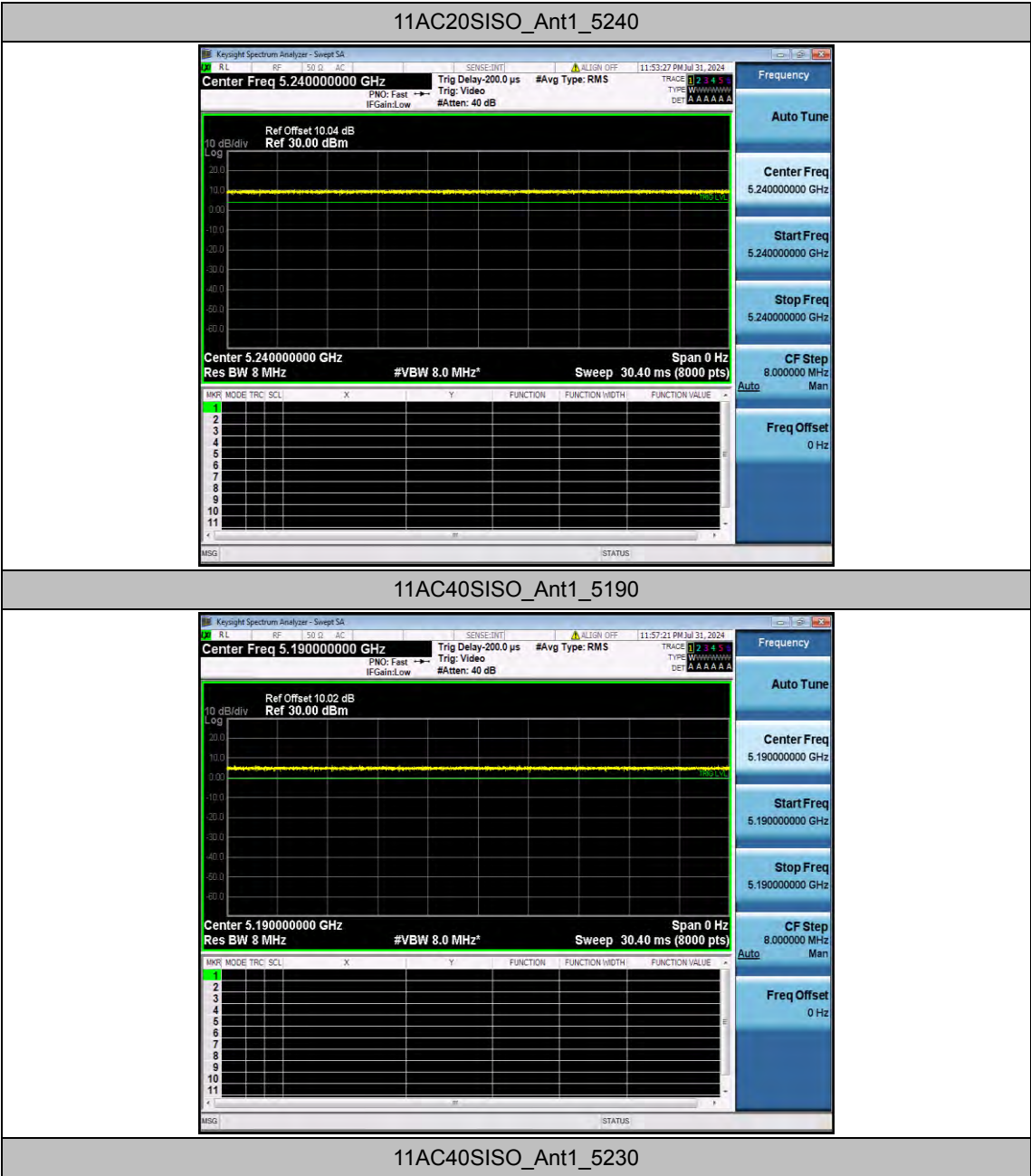


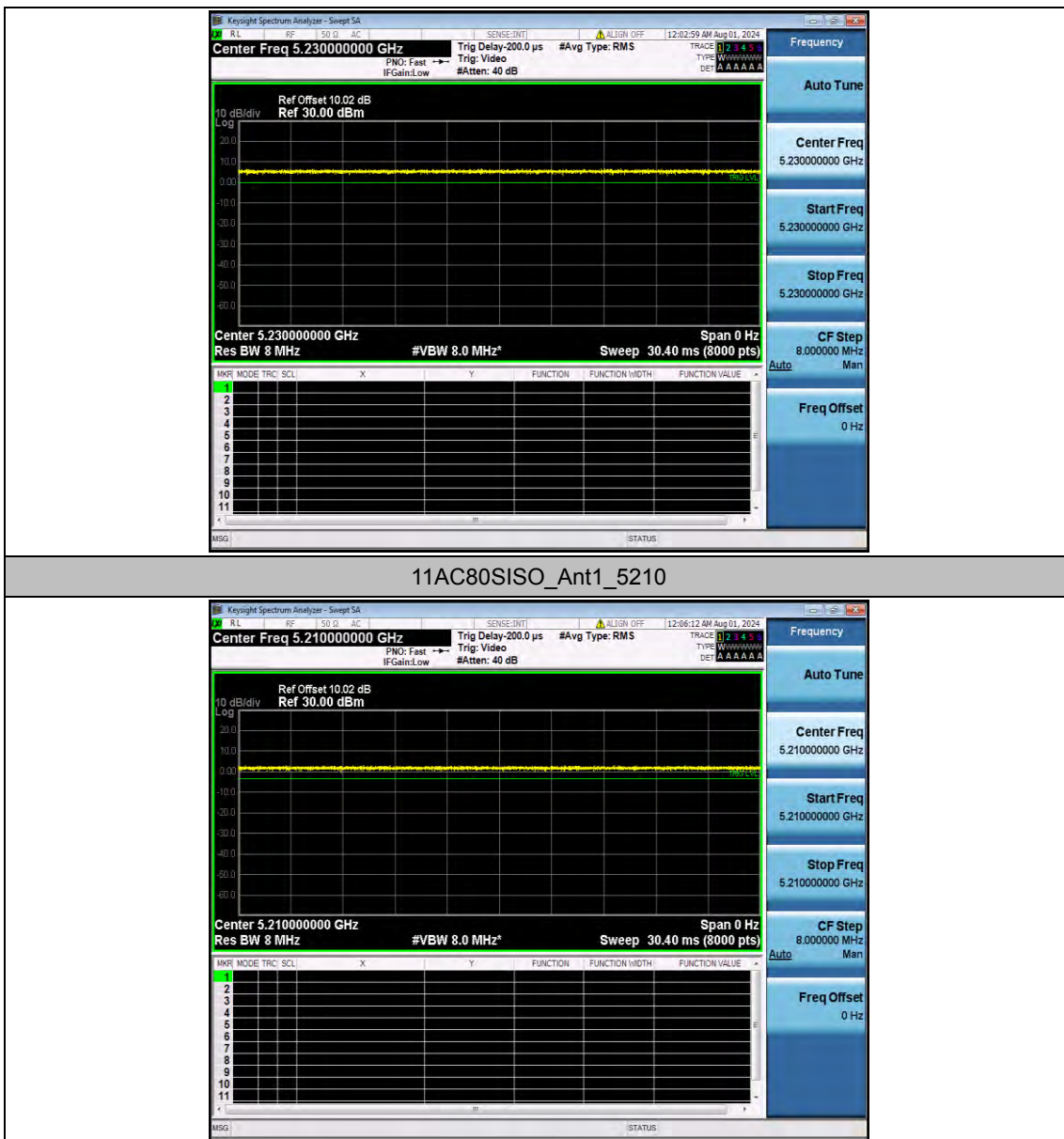
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200







Appendix D.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	11.46	100.00	0.00	11.46	≤23.98	PASS
		5200	12.01	100.00	0.00	12.01	≤23.98	PASS
		5240	12.14	100.00	0.00	12.14	≤23.98	PASS
11N20SISO	Ant1	5180	11.44	100.00	0.00	11.44	≤23.98	PASS
		5200	11.86	100.00	0.00	11.86	≤23.98	PASS
		5240	12.03	100.00	0.00	12.03	≤23.98	PASS
11N40SISO	Ant1	5190	11.39	100.00	0.00	11.39	≤23.98	PASS
		5230	11.83	100.00	0.00	11.83	≤23.98	PASS
11AC20SISO	Ant1	5180	11.47	100.00	0.00	11.47	≤23.98	PASS
		5200	11.99	100.00	0.00	11.99	≤23.98	PASS
		5240	12.04	100.00	0.00	12.04	≤23.98	PASS
11AC40SISO	Ant1	5190	10.49	100.00	0.00	10.49	≤23.98	PASS
		5230	10.87	100.00	0.00	10.87	≤23.98	PASS
11AC80SISO	Ant1	5210	10.35	100.00	0.00	10.35	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.61	≤11.00	PASS
		5200	1.28	≤11.00	PASS
		5240	1.45	≤11.00	PASS
11N20SISO	Ant1	5180	0.46	≤11.00	PASS
		5200	0.90	≤11.00	PASS
		5240	1.12	≤11.00	PASS
11N40SISO	Ant1	5190	-2.19	≤11.00	PASS
		5230	-1.71	≤11.00	PASS
11AC20SISO	Ant1	5180	0.47	≤11.00	PASS
		5200	1.05	≤11.00	PASS
		5240	1.14	≤11.00	PASS
11AC40SISO	Ant1	5190	-3.07	≤11.00	PASS
		5230	-2.67	≤11.00	PASS
11AC80SISO	Ant1	5210	-6.28	≤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



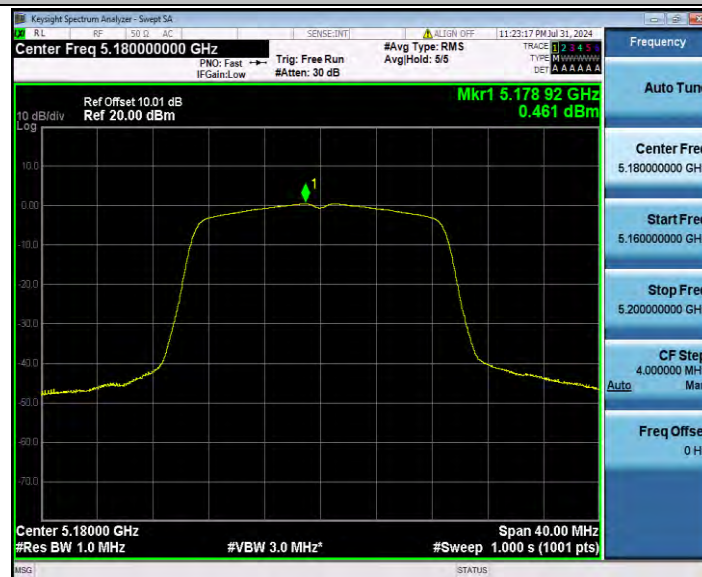
11A_Ant1_5200



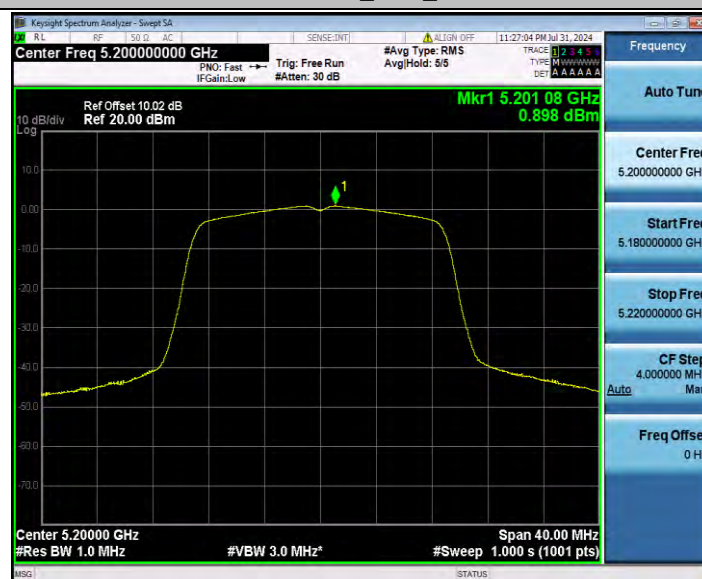
11A_Ant1_5240



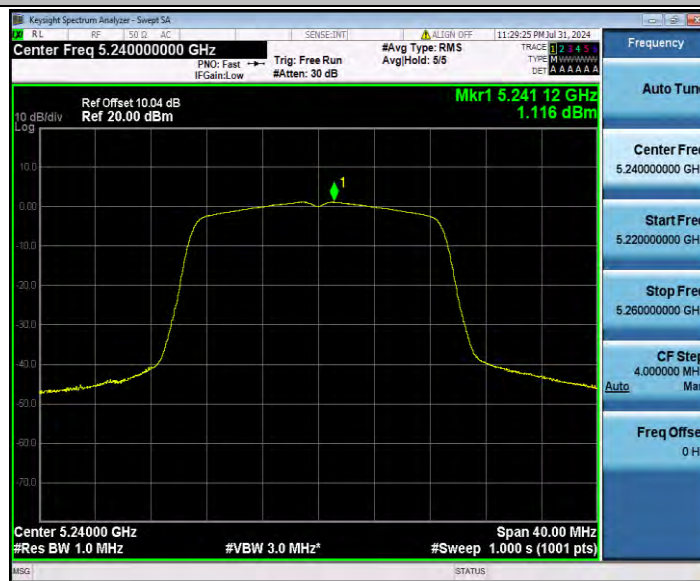
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



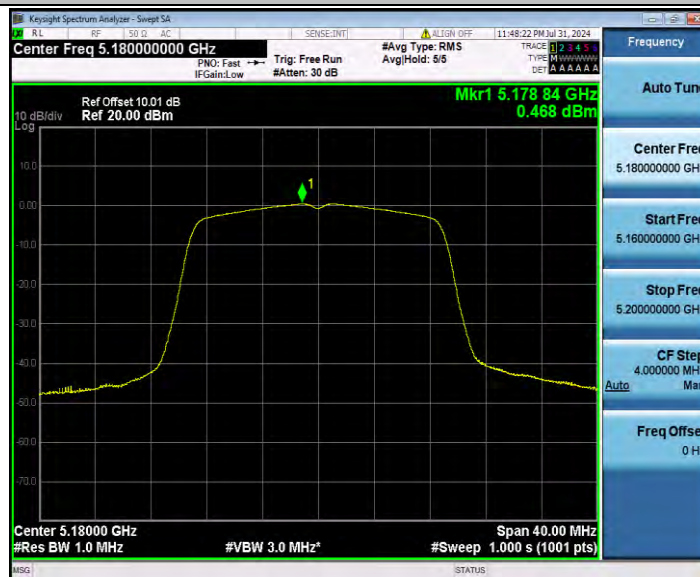
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



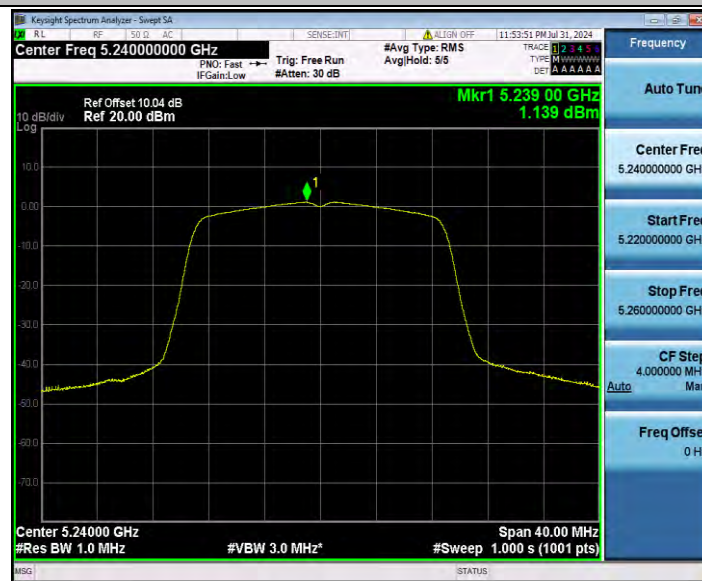
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

