

Case No. : <u>GTS20250313007-8-04</u>	
Ambient Condition: <u>22</u> °C, <u>49</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.4.01</u>	Test Engineer: <u>Evan ouyang</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	23.800	5169.680	5193.480	---	---
		5200	24.480	5188.320	5212.800	---	---
		5240	24.520	5226.960	5251.480	---	---
11N20SISO	Ant1	5180	25.680	5168.080	5193.760	---	---
		5200	22.320	5189.080	5211.400	---	---
		5240	24.920	5228.280	5253.200	---	---
11N40SISO	Ant1	5190	49.280	5170.080	5219.360	---	---
		5230	48.160	5202.400	5250.560	---	---
11AC20SISO	Ant1	5180	23.400	5169.800	5193.200	---	---
		5200	20.640	5189.880	5210.520	---	---
		5240	25.800	5227.320	5253.120	---	---
11AC40SISO	Ant1	5190	45.280	5170.160	5215.440	---	---
		5230	40.320	5209.840	5250.160	---	---
11AC80SISO	Ant1	5210	80.320	5170.000	5250.320	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



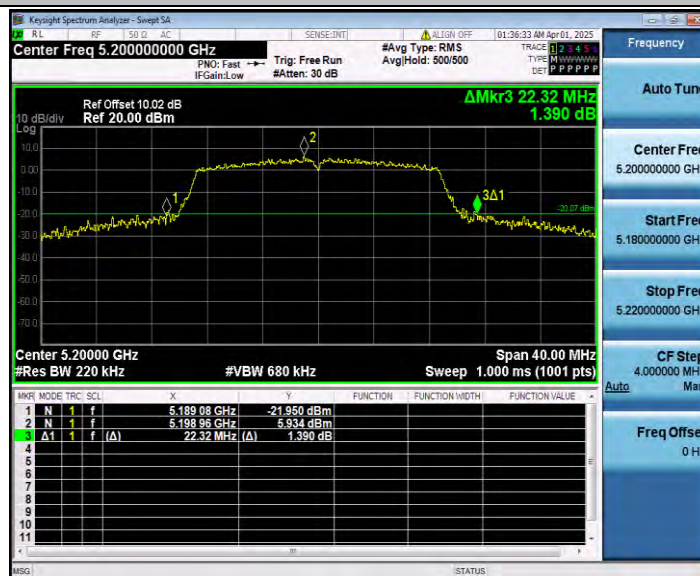
11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



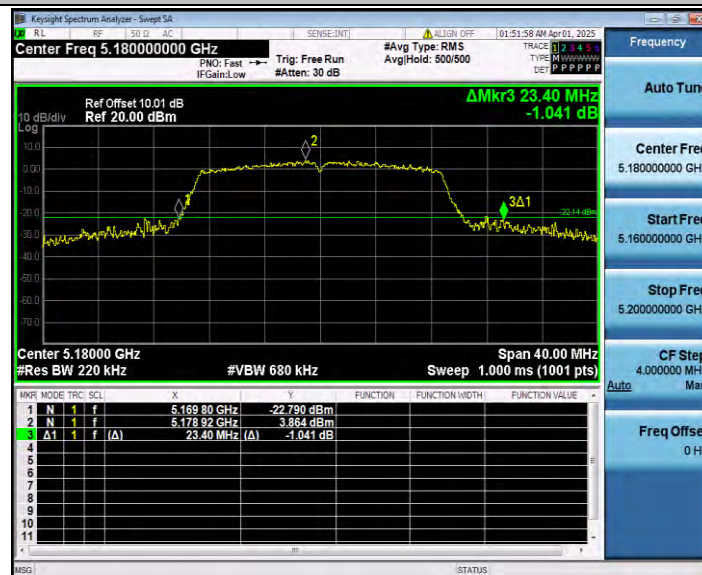
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



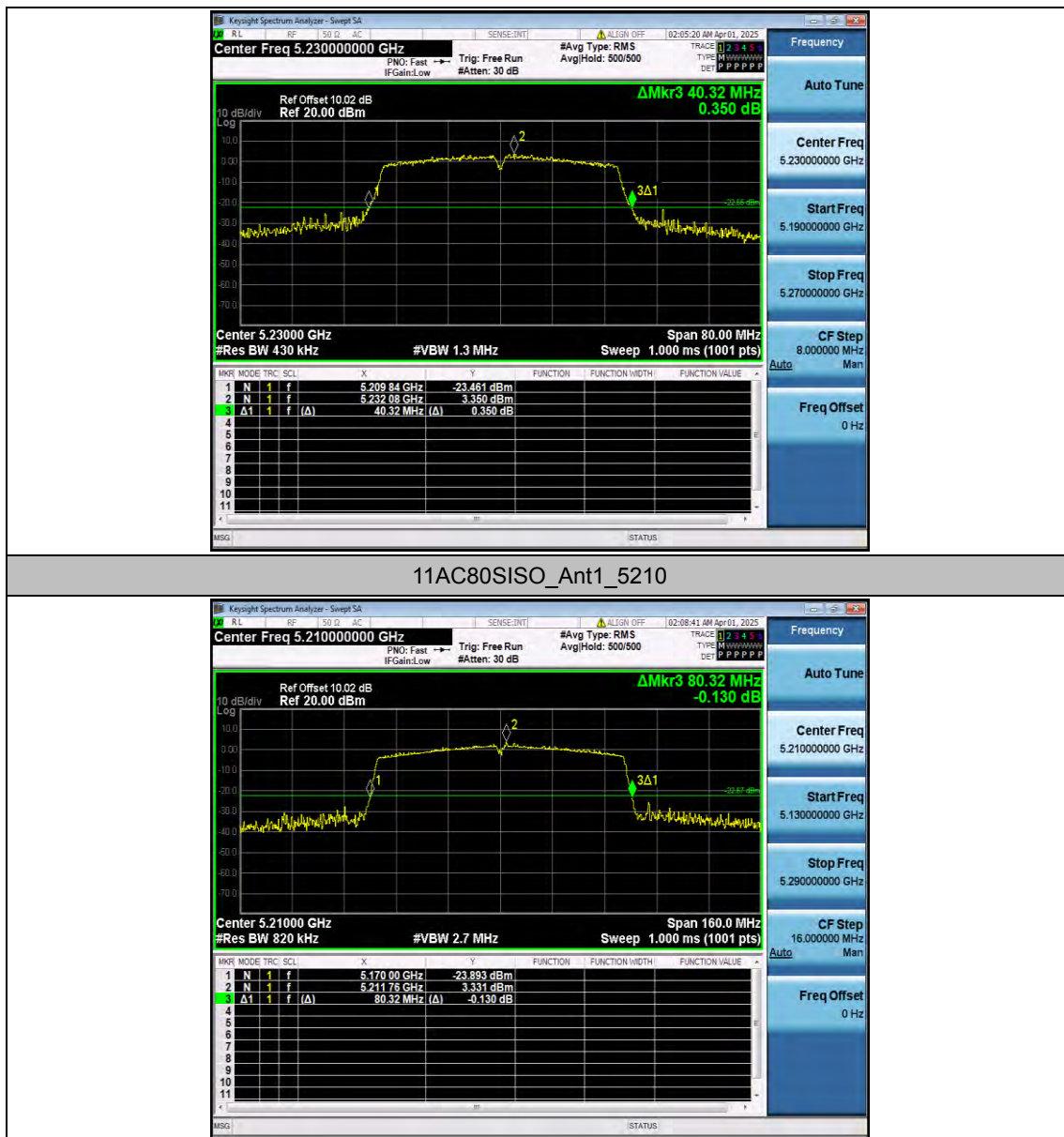
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11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

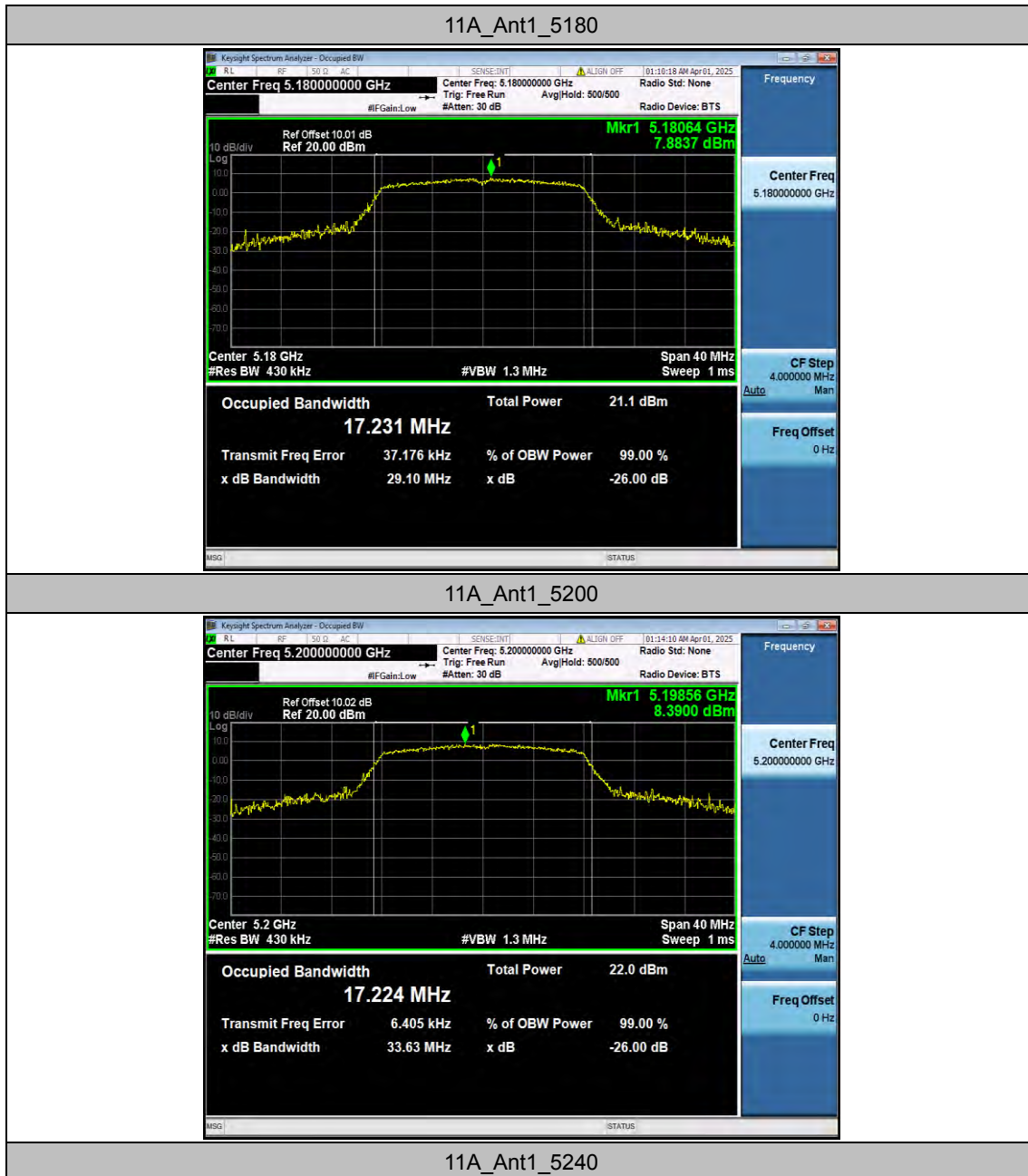


Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.231	5171.4217	5188.6527	---	---
		5200	17.224	5191.3944	5208.6184	---	---
		5240	17.159	5231.3858	5248.5448	---	---
11N20SISO	Ant1	5180	18.052	5171.0181	5189.0701	---	---
		5200	18.039	5191.0153	5209.0543	---	---
		5240	17.998	5230.9505	5248.9485	---	---
11N40SISO	Ant1	5190	36.493	5171.8913	5208.3843	---	---
		5230	36.317	5211.8015	5248.1185	---	---
11AC20SISO	Ant1	5180	17.998	5171.0343	5189.0323	---	---
		5200	17.913	5191.0537	5208.9667	---	---
		5240	17.914	5231.0203	5248.9343	---	---
11AC40SISO	Ant1	5190	36.414	5171.9235	5208.3375	---	---
		5230	36.243	5211.8791	5248.1221	---	---
11AC80SISO	Ant1	5210	74.855	5172.7227	5247.5777	---	---

Test Graphs

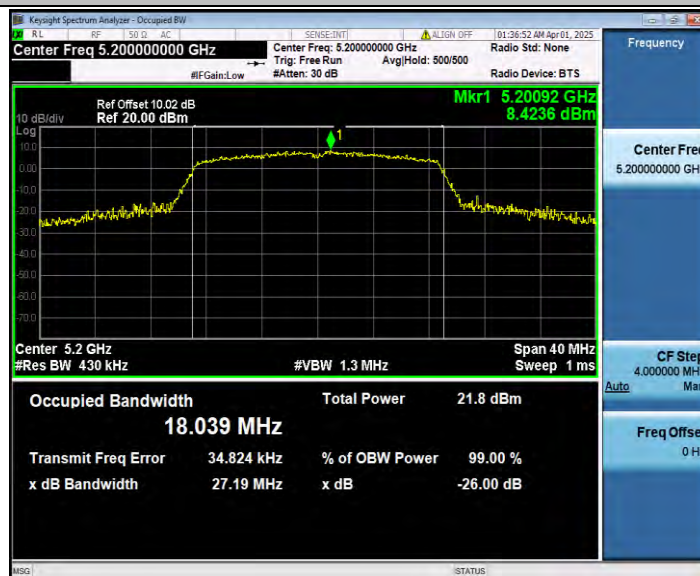




11N20SISO_Ant1_5180



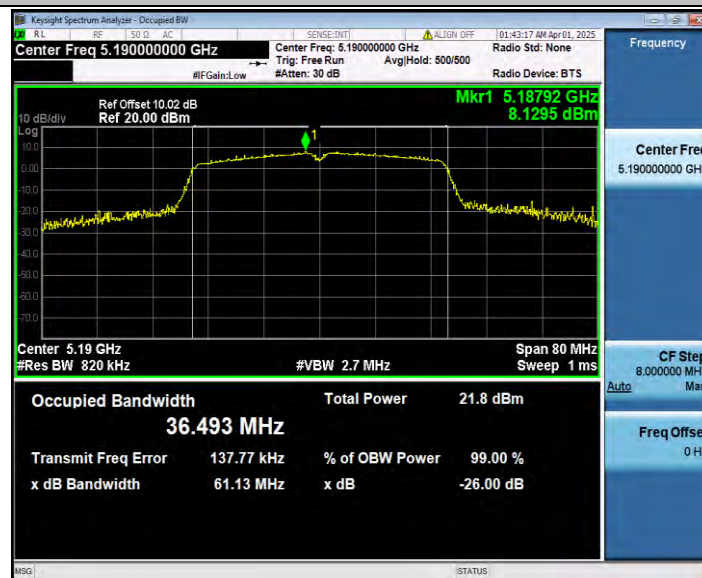
11N20SISO_Ant1_5200



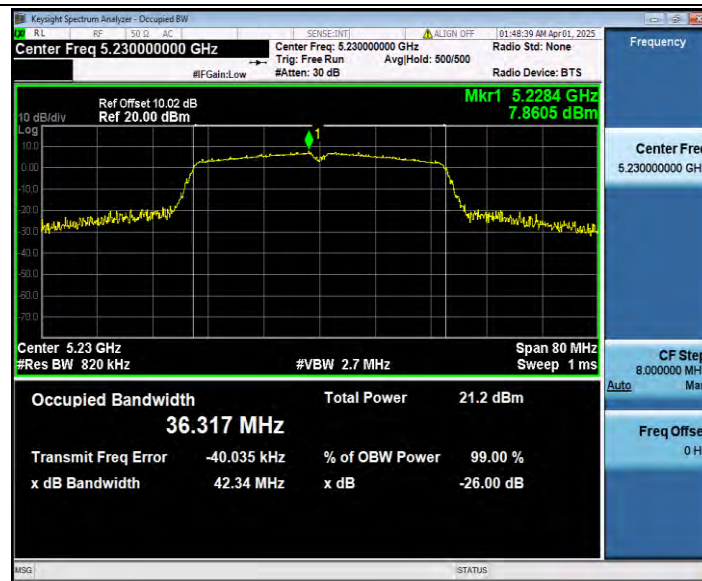
11N20SISO_Ant1_5240



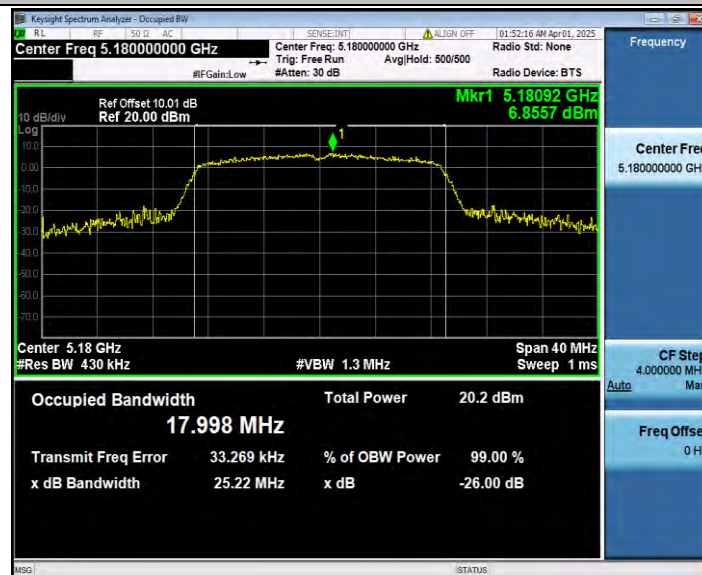
11N40SISO_Ant1_5190



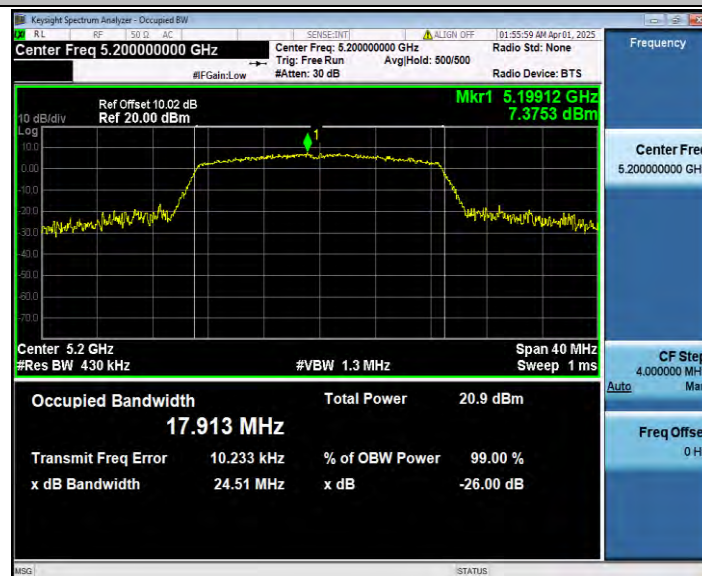
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



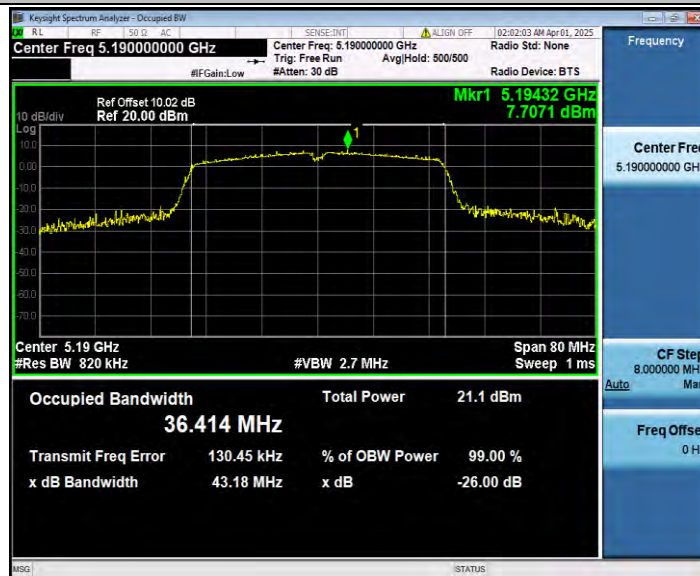
11AC20SISO_Ant1_5200



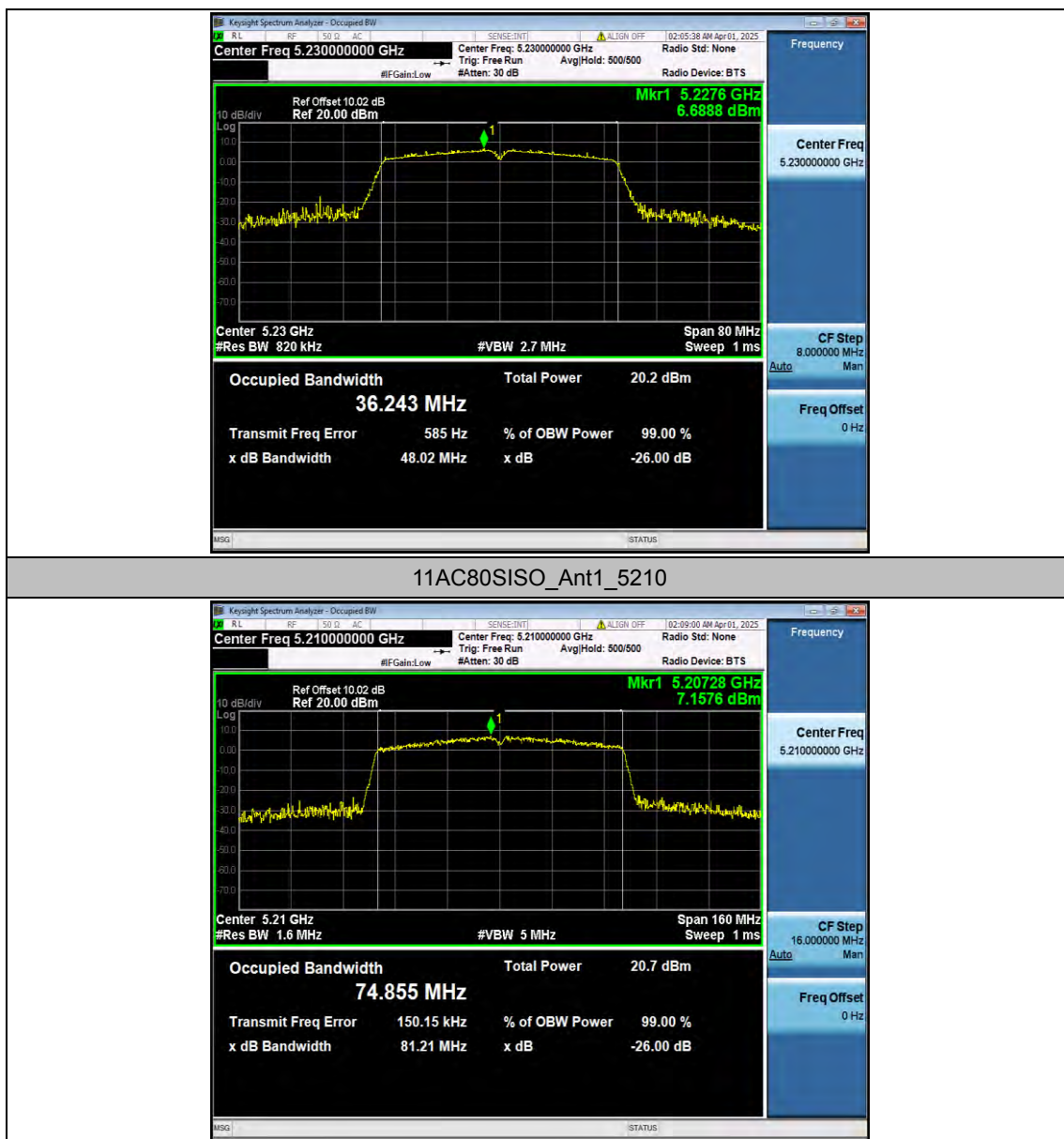
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

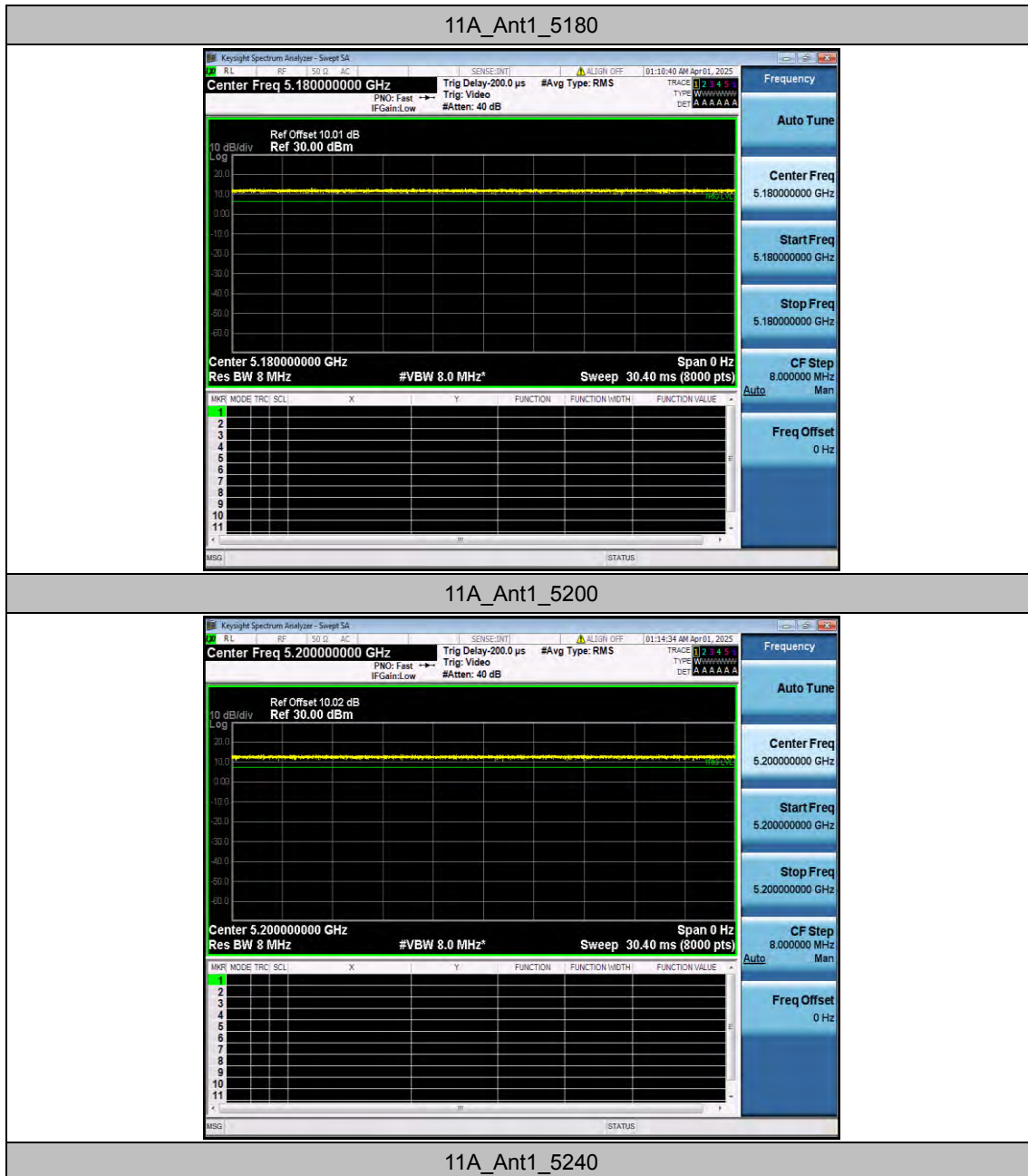


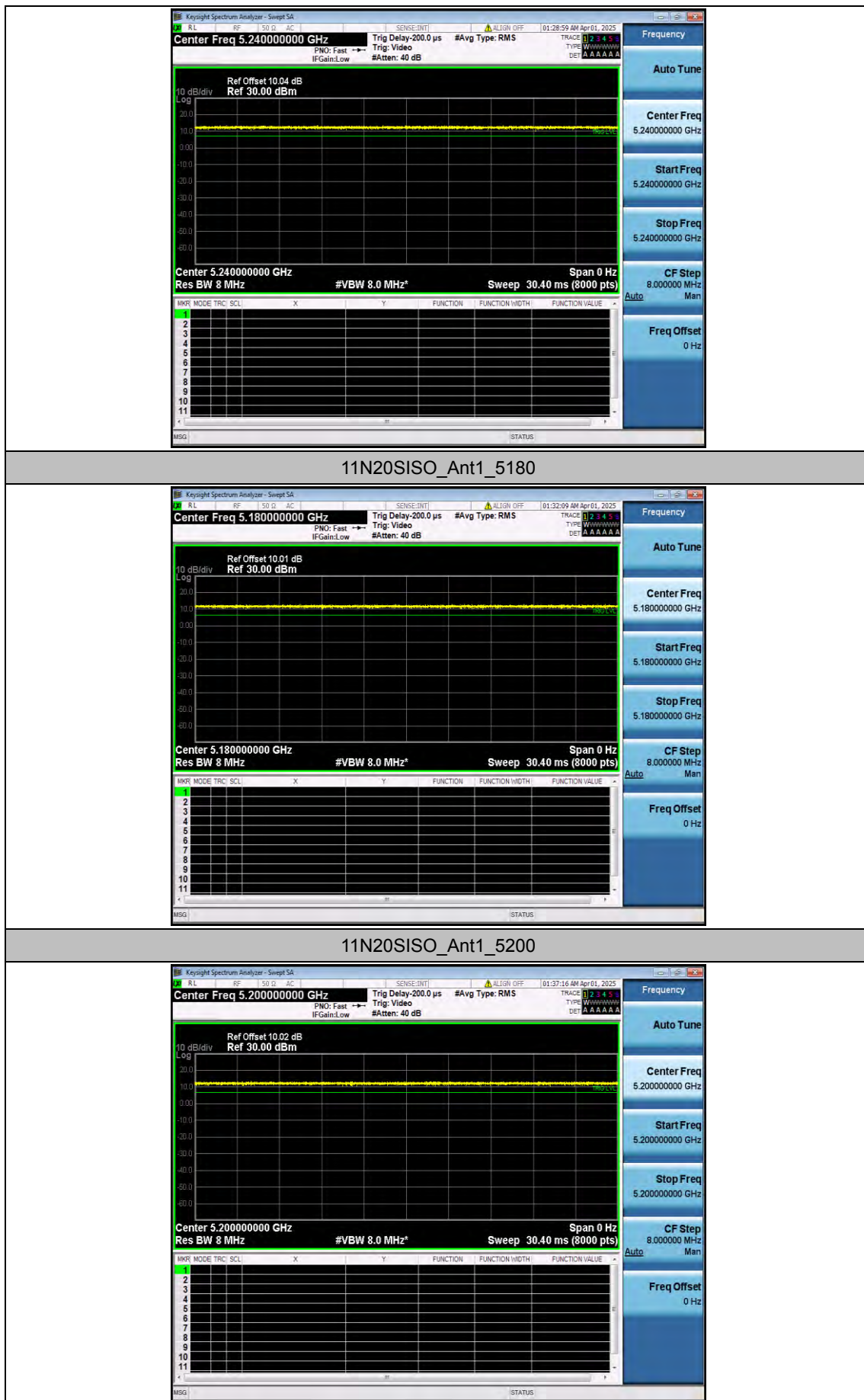
Appendix D 3: Duty Cycle

Test Result

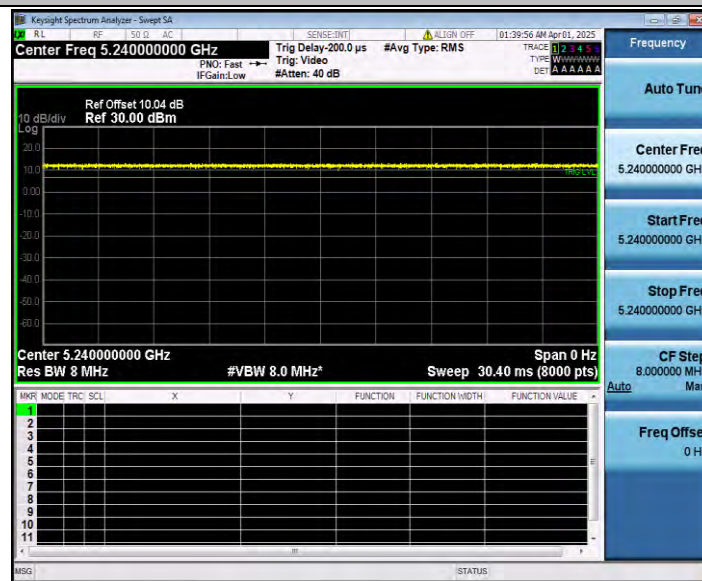
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200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

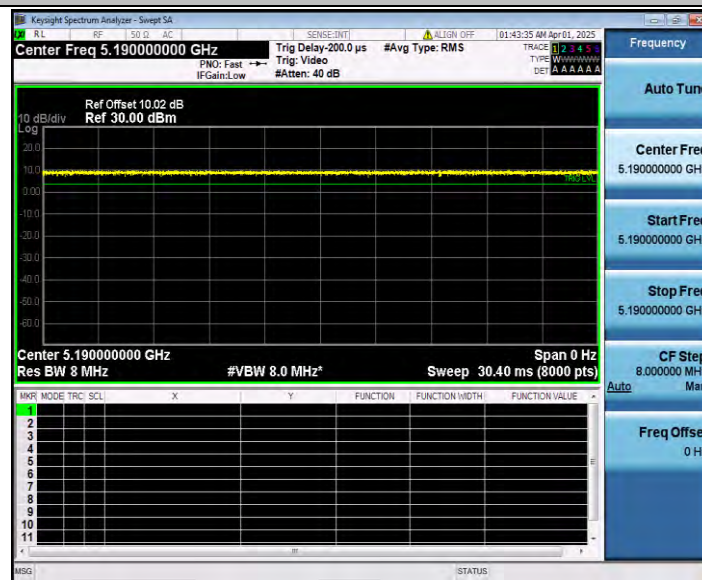




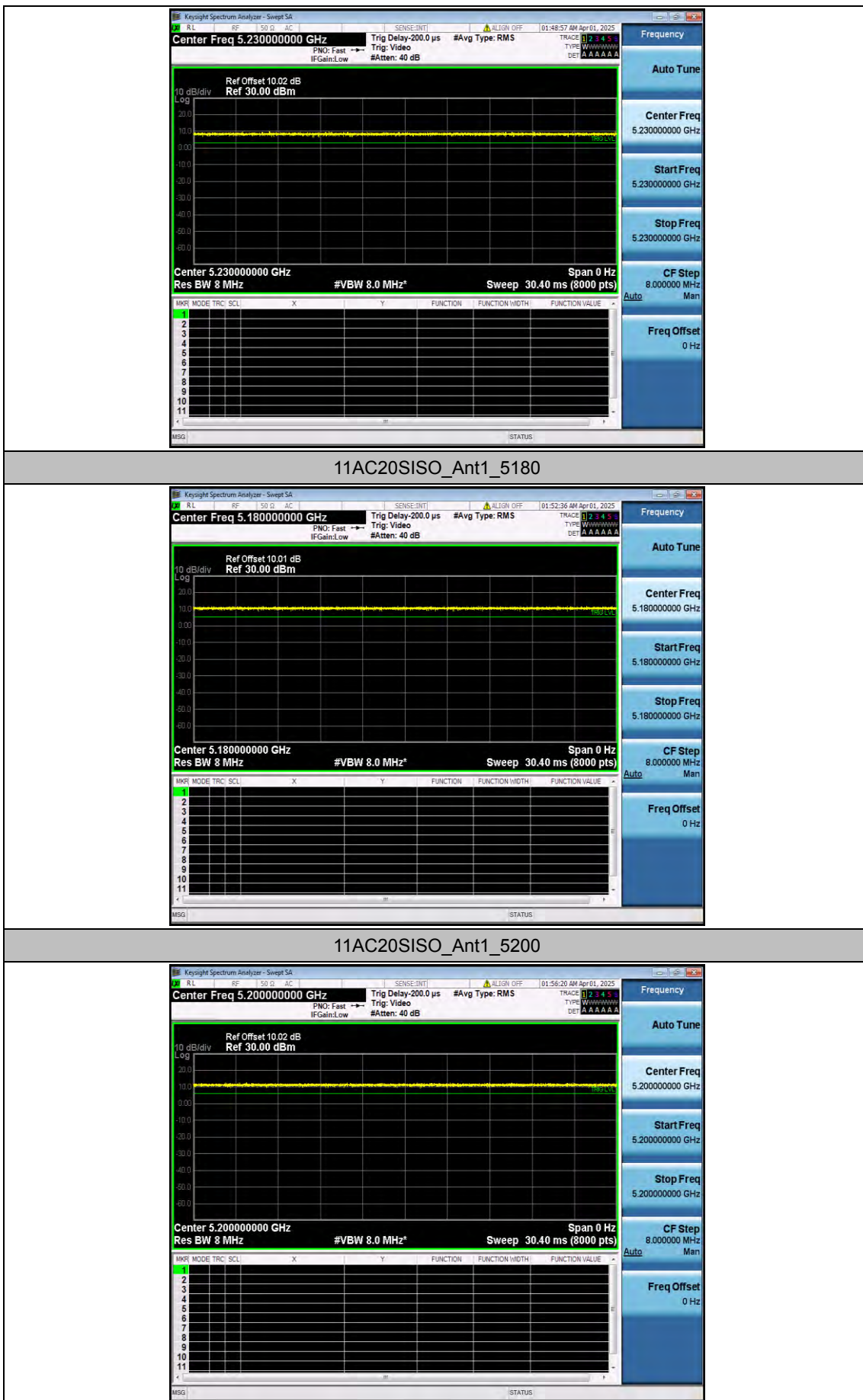
11N20SISO_Ant1_5240



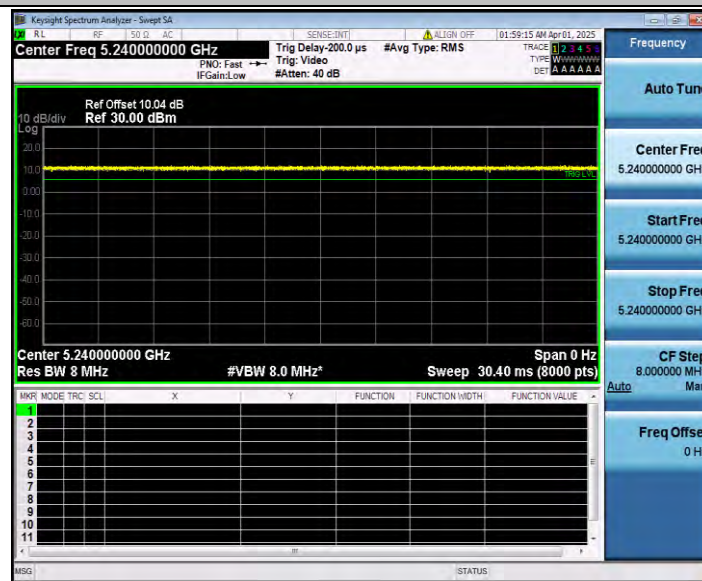
11N40SISO_Ant1_5190



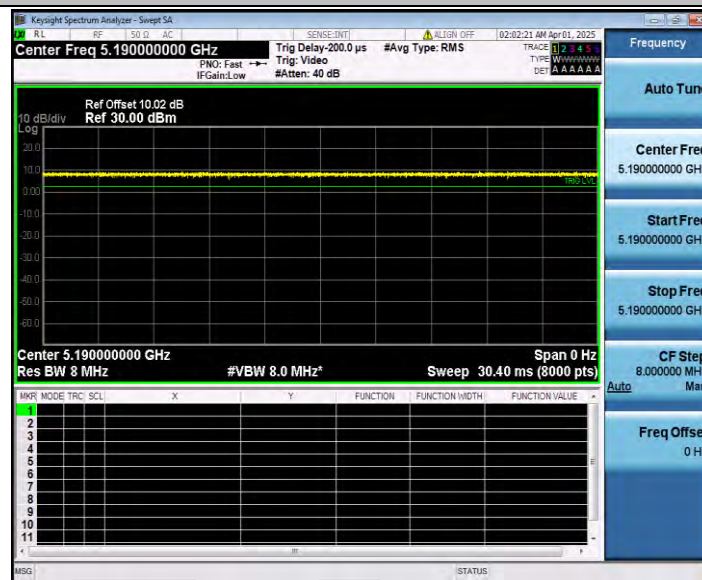
11N40SISO_Ant1_5230



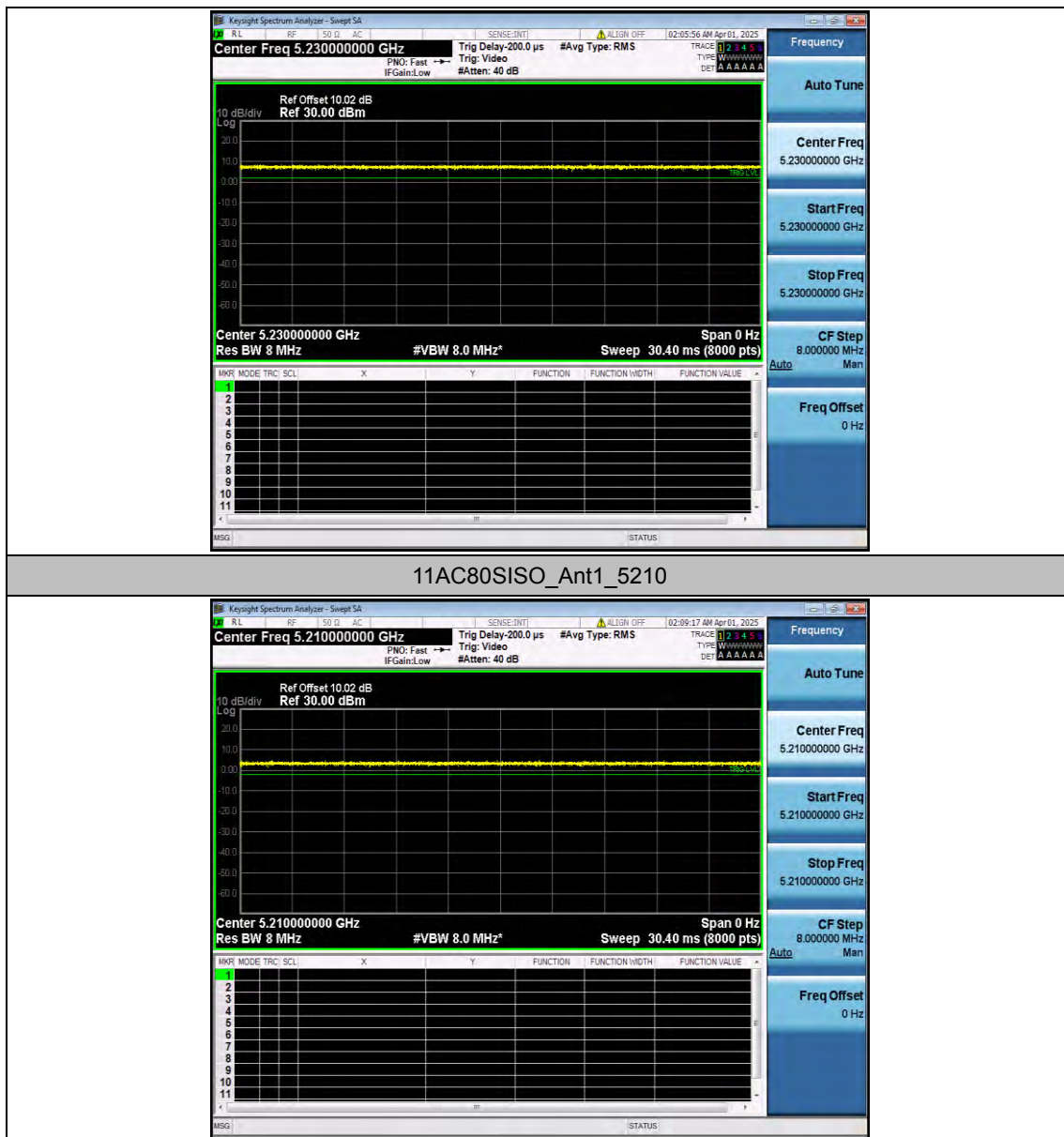
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



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	14.51	100.00	0.00	14.51	≤23.98	PASS
		5200	15.23	100.00	0.00	15.23	≤23.98	PASS
		5240	15.02	100.00	0.00	15.02	≤23.98	PASS
11N20SISO	Ant1	5180	14.72	100.00	0.00	14.72	≤23.98	PASS
		5200	15.05	100.00	0.00	15.05	≤23.98	PASS
		5240	14.80	100.00	0.00	14.80	≤23.98	PASS
11N40SISO	Ant1	5190	14.53	100.00	0.00	14.53	≤23.98	PASS
		5230	13.83	100.00	0.00	13.83	≤23.98	PASS
11AC20SISO	Ant1	5180	13.41	100.00	0.00	13.41	≤23.98	PASS
		5200	14.09	100.00	0.00	14.09	≤23.98	PASS
		5240	13.76	100.00	0.00	13.76	≤23.98	PASS
11AC40SISO	Ant1	5190	13.73	100.00	0.00	13.73	≤23.98	PASS
		5230	12.88	100.00	0.00	12.88	≤23.98	PASS
11AC80SISO	Ant1	5210	11.77	100.00	0.00	11.77	≤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	3.71	≤11.00	PASS
		5200	4.49	≤11.00	PASS
		5240	4.24	≤11.00	PASS
11N20SISO	Ant1	5180	3.66	≤11.00	PASS
		5200	4.09	≤11.00	PASS
		5240	3.94	≤11.00	PASS
11N40SISO	Ant1	5190	1.01	≤11.00	PASS
		5230	0.30	≤11.00	PASS
11AC20SISO	Ant1	5180	2.43	≤11.00	PASS
		5200	3.14	≤11.00	PASS
		5240	2.88	≤11.00	PASS
11AC40SISO	Ant1	5190	0.24	≤11.00	PASS
		5230	-0.64	≤11.00	PASS
11AC80SISO	Ant1	5210	-4.36	≤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



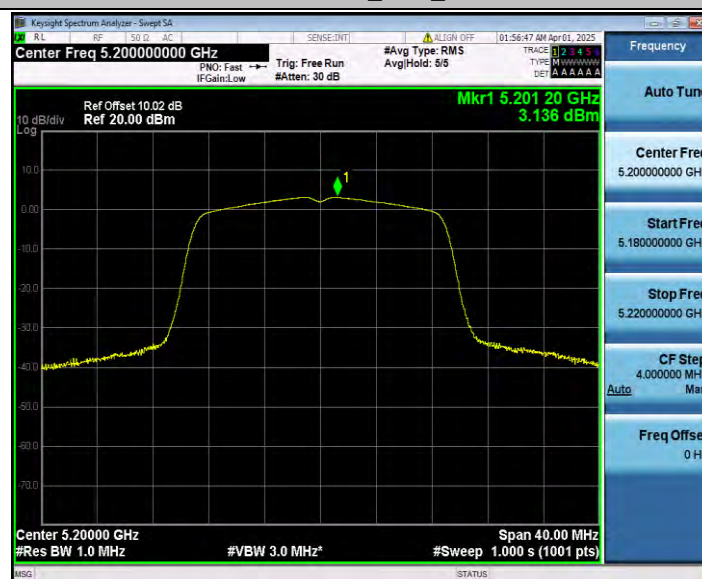
11N40SISO_Ant1_5230



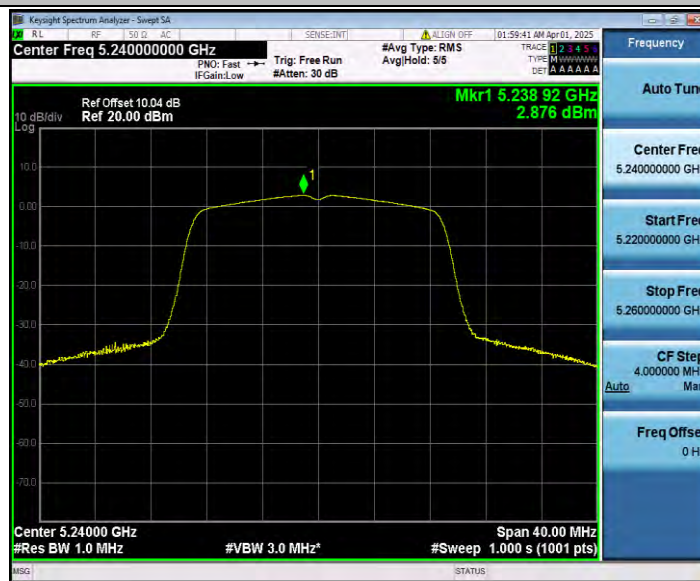
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

