

Case No. : <u>GTS20250516011-2-11</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.6.13-2025.7.8</u>	Test Engineer: <u>Evan ouyang</u>

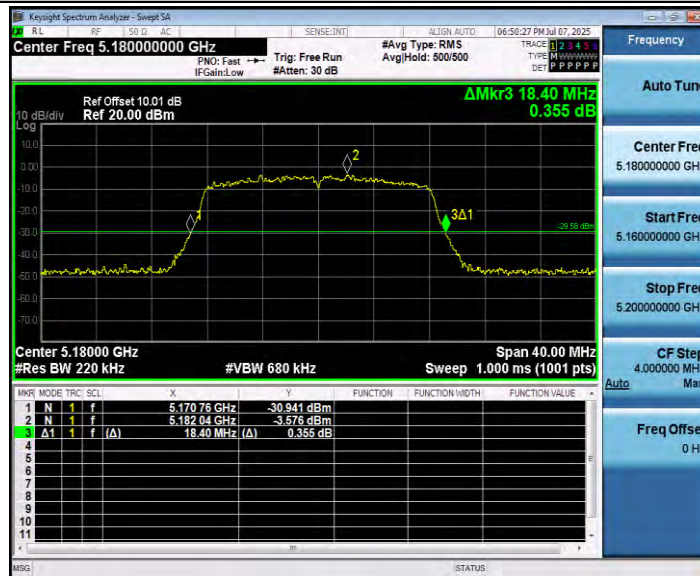
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.400	5170.760	5189.160	---	---
		5200	18.240	5190.920	5209.160	---	---
		5240	18.200	5230.920	5249.120	---	---
11N20SISO	Ant1	5180	19.160	5170.440	5189.600	---	---
		5200	19.120	5190.400	5209.520	---	---
		5240	19.200	5230.360	5249.560	---	---
11N40SISO	Ant1	5190	38.480	5170.800	5209.280	---	---
		5230	38.400	5210.800	5249.200	---	---
11AC20SISO	Ant1	5180	19.120	5170.440	5189.560	---	---
		5200	19.120	5190.440	5209.560	---	---
		5240	19.040	5230.440	5249.480	---	---
11AC40SISO	Ant1	5190	38.800	5170.640	5209.440	---	---
		5230	38.640	5210.720	5249.360	---	---
11AC80SISO	Ant1	5210	79.040	5170.480	5249.520	---	---
11AX20SISO	Ant1	5180	20.040	5170.000	5190.040	---	---
		5200	20.040	5189.960	5210.000	---	---
		5240	20.040	5229.960	5250.000	---	---
11AX40SISO	Ant1	5190	39.760	5170.160	5209.920	---	---
		5230	39.760	5210.160	5249.920	---	---
11AX80SISO	Ant1	5210	80.640	5169.680	5250.320	---	---

Test Graphs

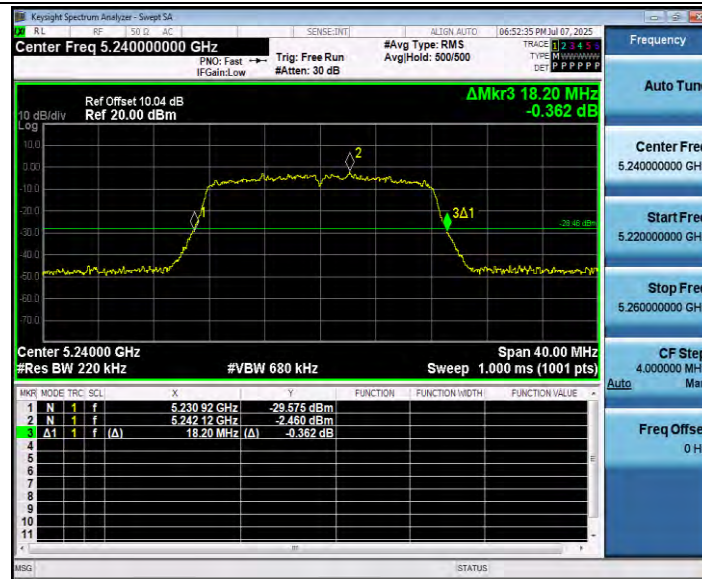
11A_Ant1_5180



11A_Ant1_5200



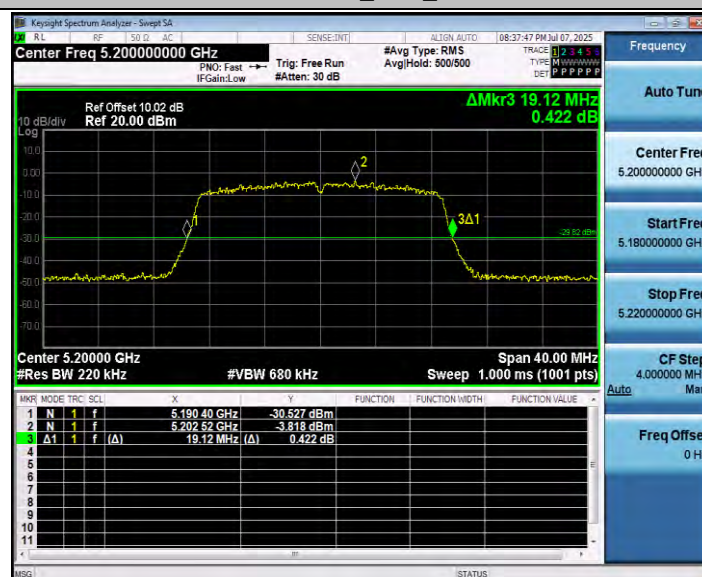
11A_Ant1_5240



11N20SISO_Ant1_5180



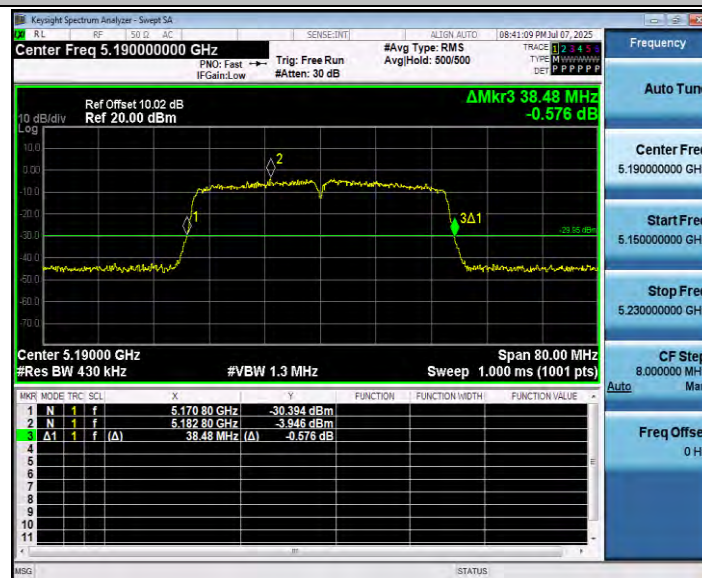
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5240



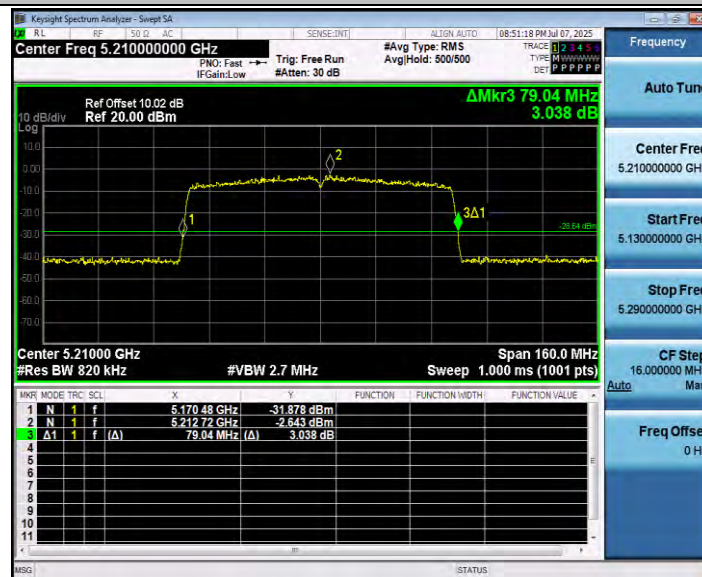
11AC40SISO_Ant1_5190



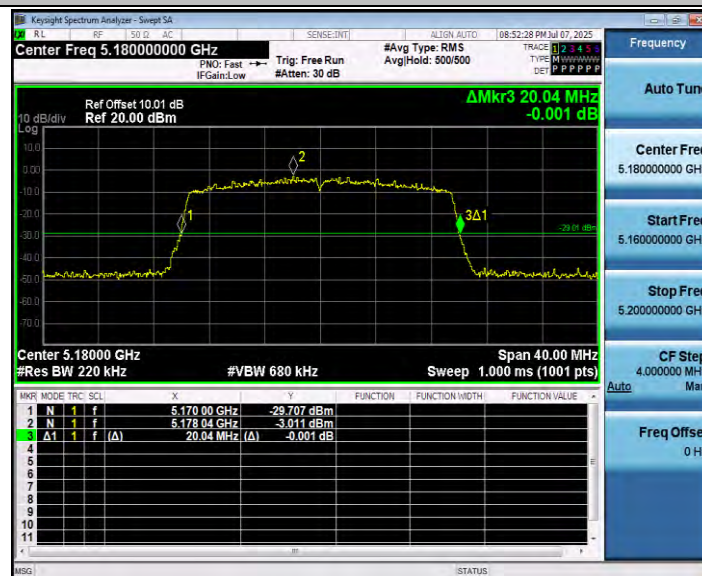
11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



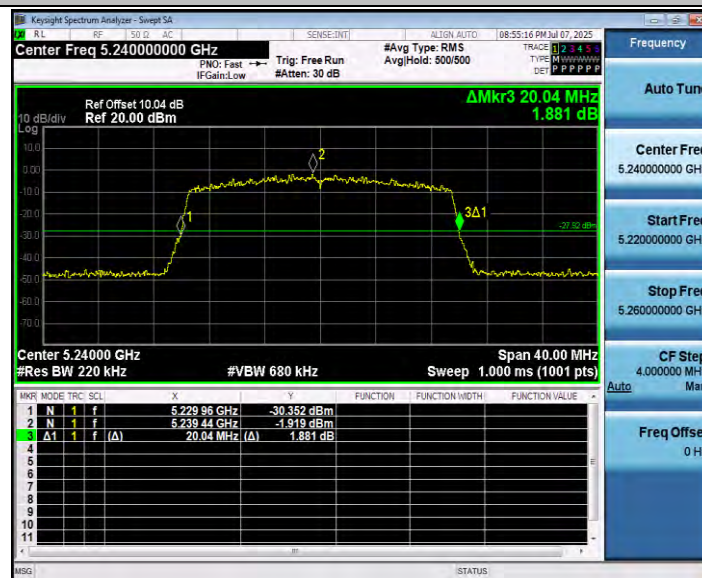
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



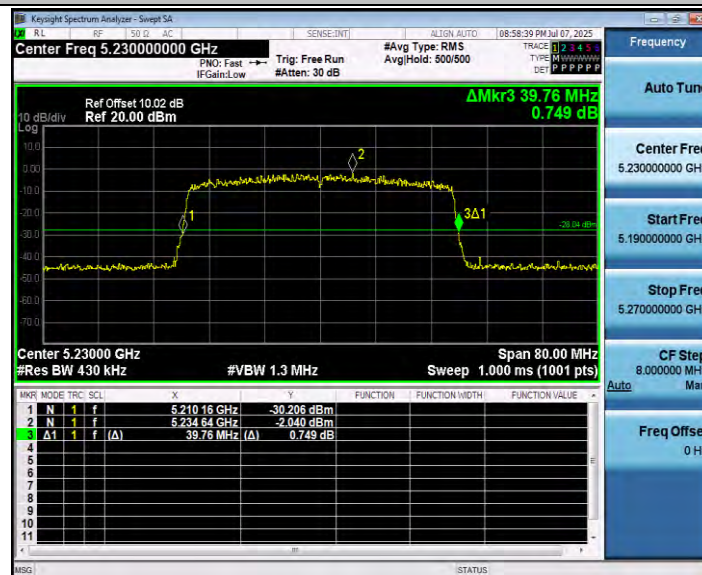
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

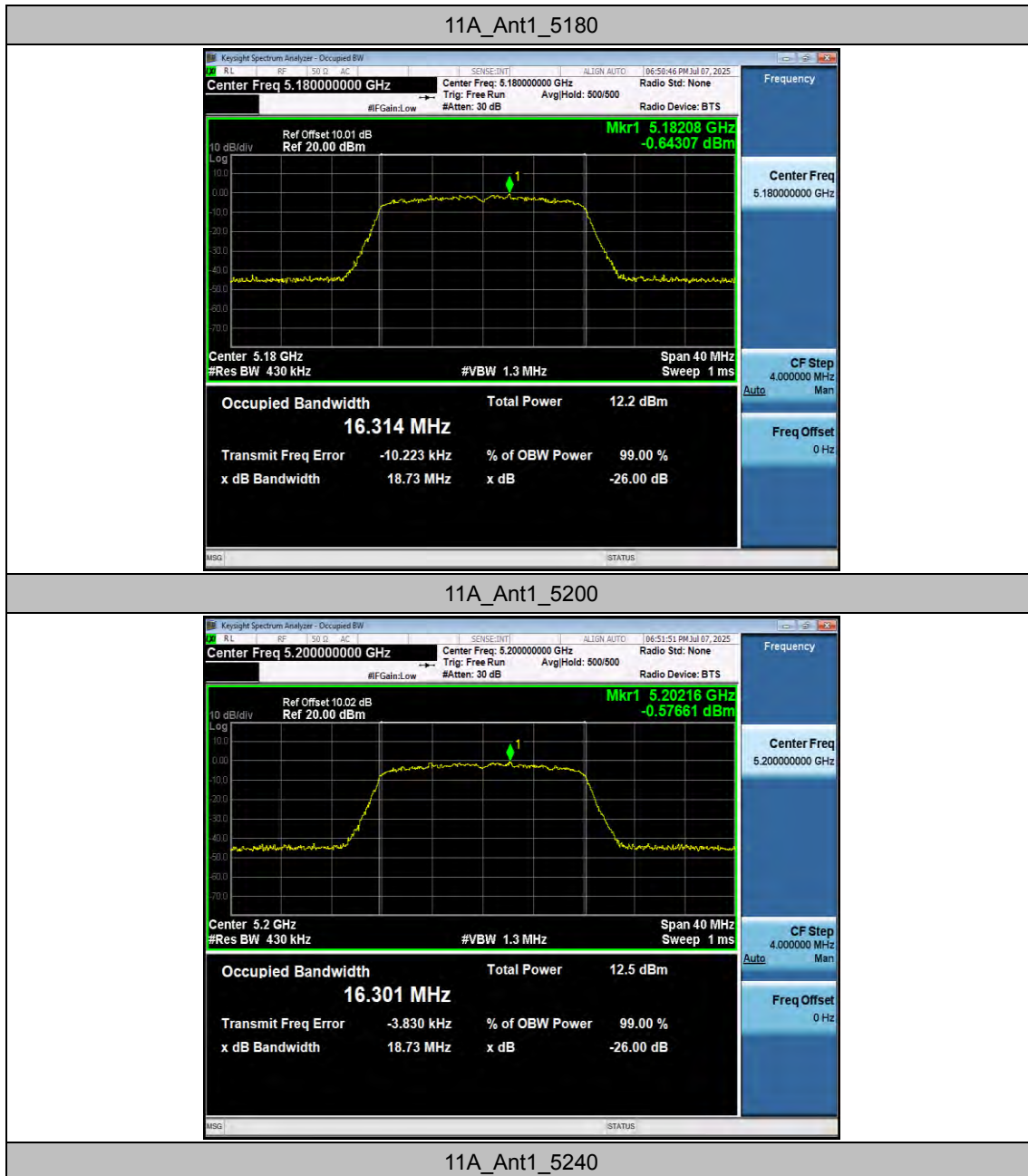


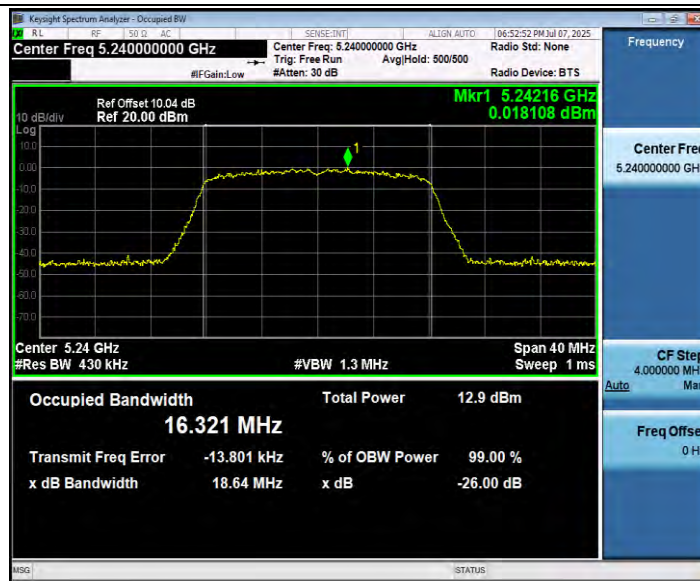
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.314	5171.8328	5188.1468	---	---
		5200	16.301	5191.8457	5208.1467	---	---
		5240	16.321	5231.8257	5248.1467	---	---
11N20SISO	Ant1	5180	17.368	5171.3018	5188.6698	---	---
		5200	17.372	5191.3022	5208.6742	---	---
		5240	17.374	5231.2911	5248.6651	---	---
11N40SISO	Ant1	5190	35.779	5172.1240	5207.9030	---	---
		5230	35.760	5212.1031	5247.8631	---	---
11AC20SISO	Ant1	5180	17.339	5171.3204	5188.6594	---	---
		5200	17.356	5191.3248	5208.6808	---	---
		5240	17.353	5231.3084	5248.6614	---	---
11AC40SISO	Ant1	5190	35.853	5172.1082	5207.9612	---	---
		5230	35.803	5212.0822	5247.8852	---	---
11AC80SISO	Ant1	5210	74.907	5172.5817	5247.4887	---	---
11AX20SISO	Ant1	5180	18.707	5170.6436	5189.3506	---	---
		5200	18.736	5190.6366	5209.3726	---	---
		5240	18.719	5230.6210	5249.3400	---	---
11AX40SISO	Ant1	5190	37.535	5171.2558	5208.7908	---	---
		5230	37.499	5211.2654	5248.7644	---	---
11AX80SISO	Ant1	5210	76.697	5171.7156	5248.4126	---	---

Test Graphs

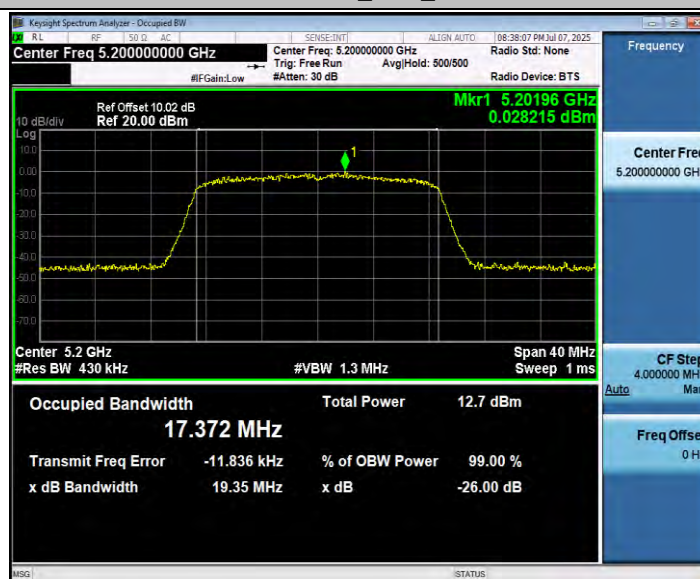




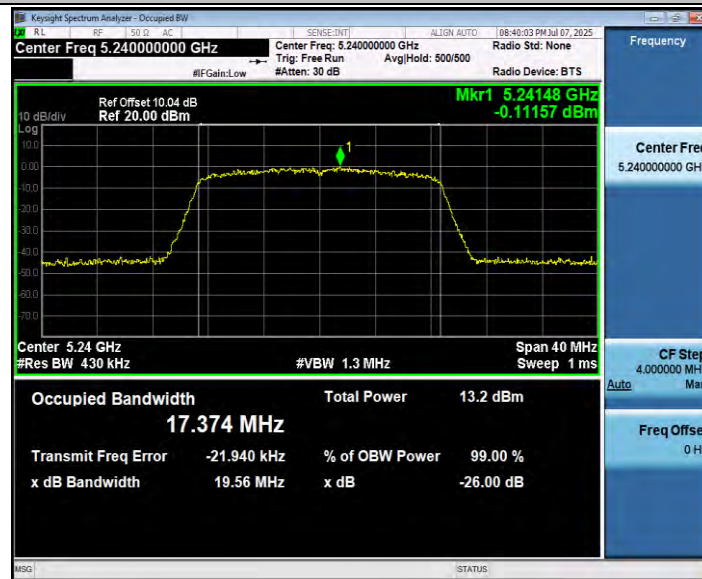
11N20SISO_Ant1_5180



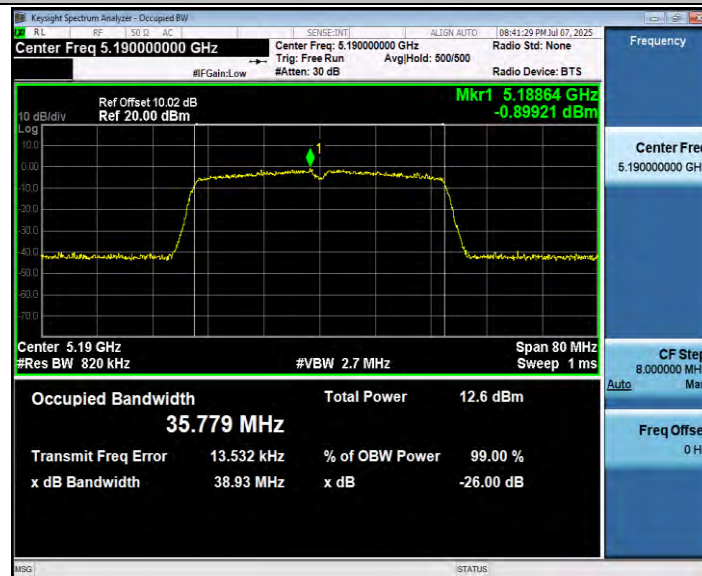
11N20SISO_Ant1_5200



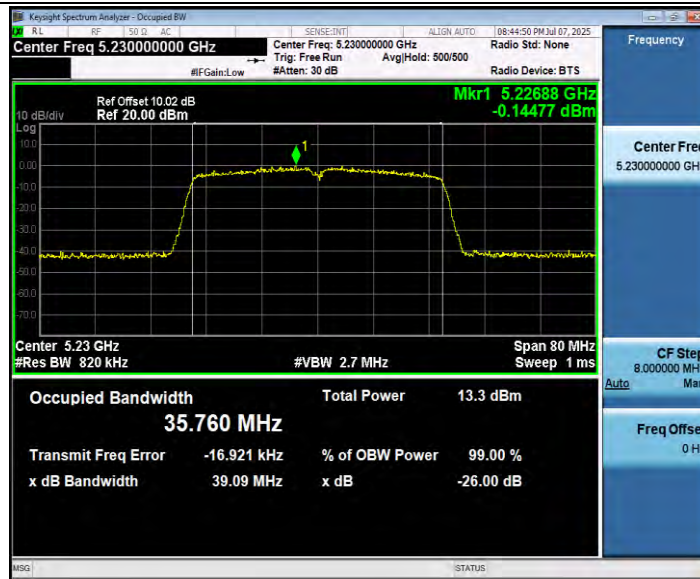
11N20SISO_Ant1_5240



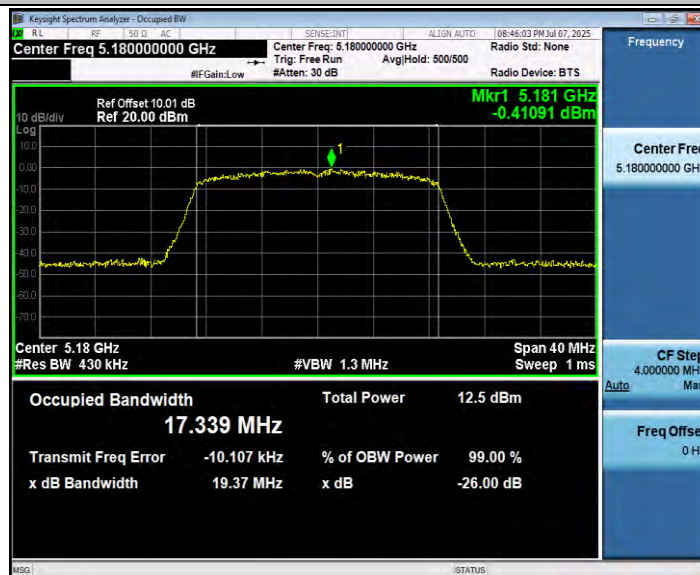
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



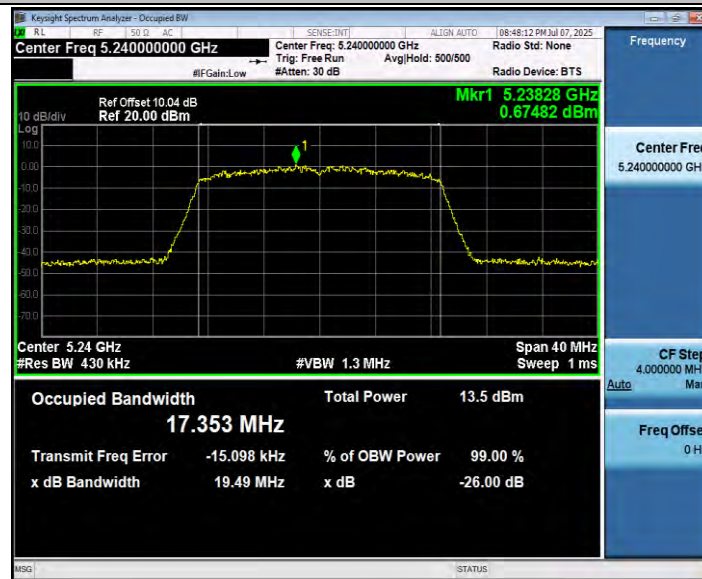
11AC20SISO_Ant1_5180



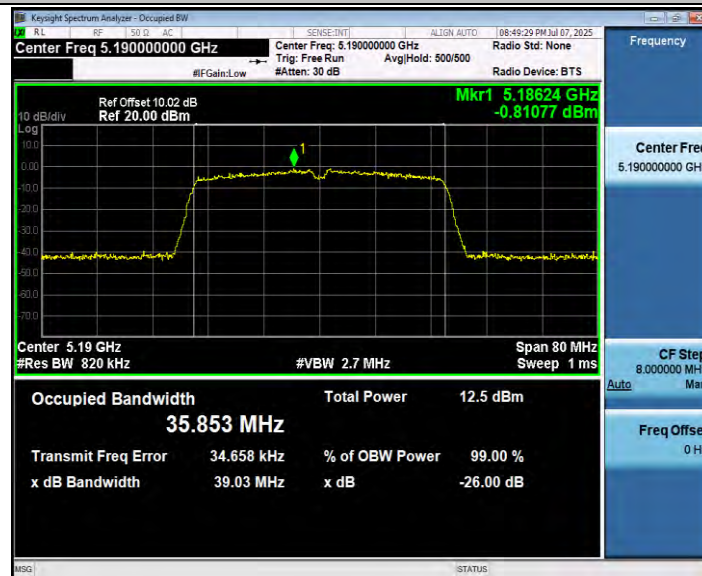
11AC20SISO_Ant1_5200



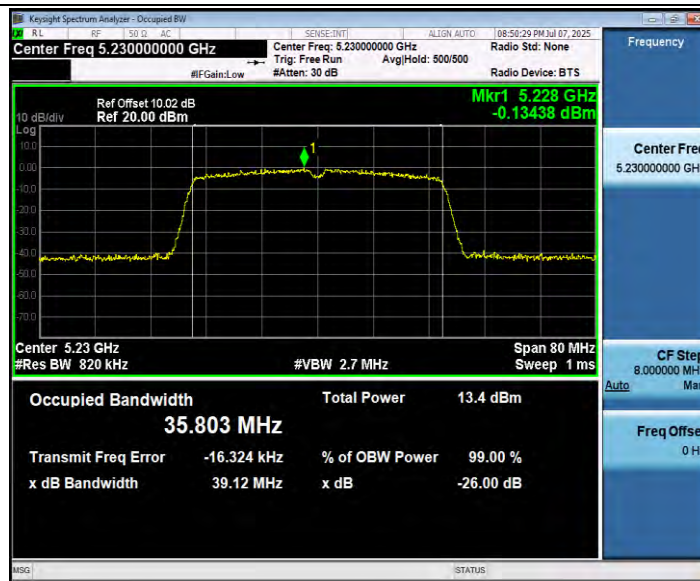
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



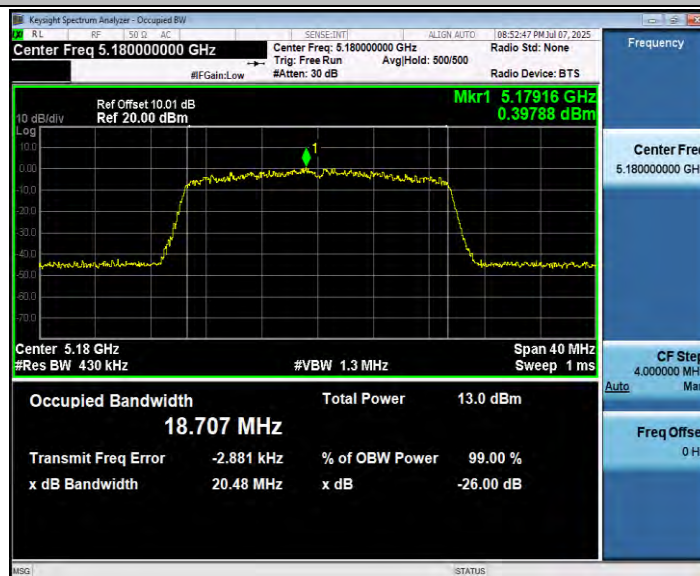
11AC40SISO_Ant1_5230



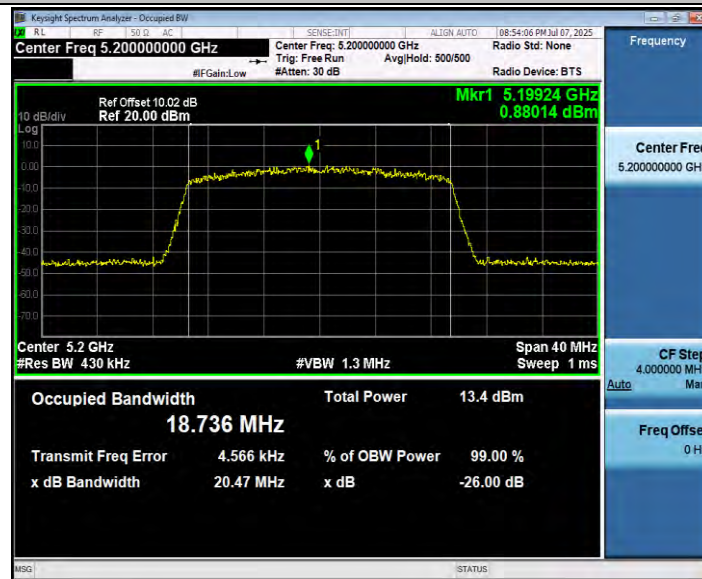
11AC80SISO_Ant1_5210



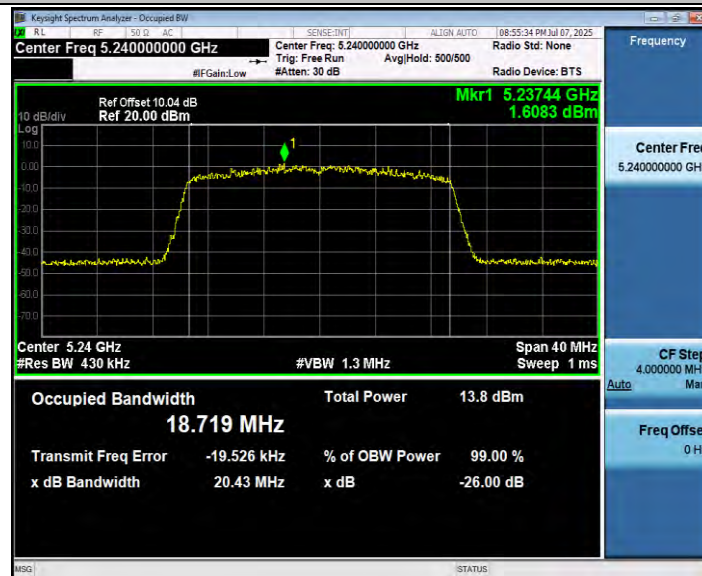
11AX20SISO_Ant1_5180



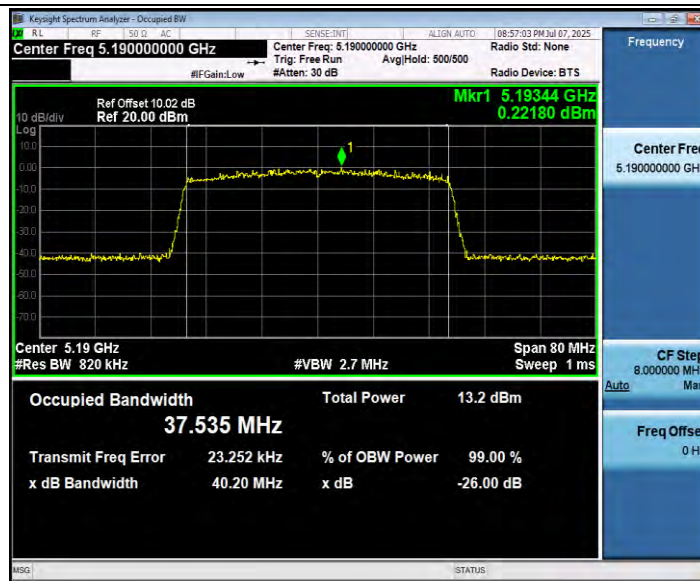
11AX20SISO_Ant1_5200



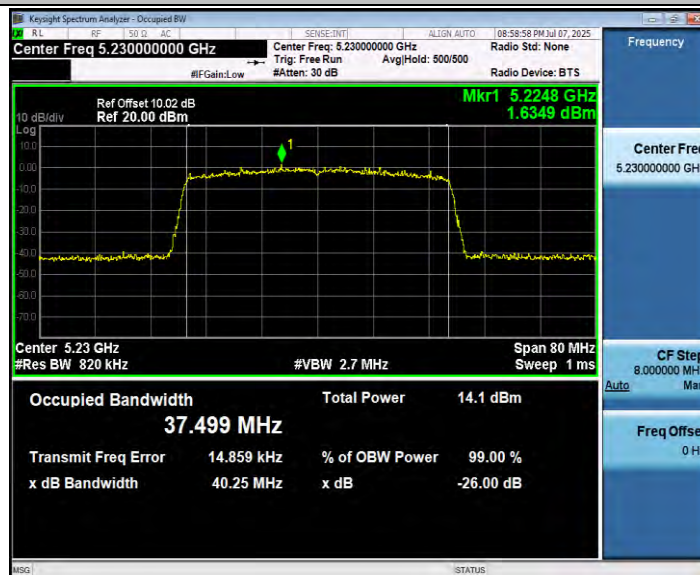
11AX20SISO_Ant1_5240



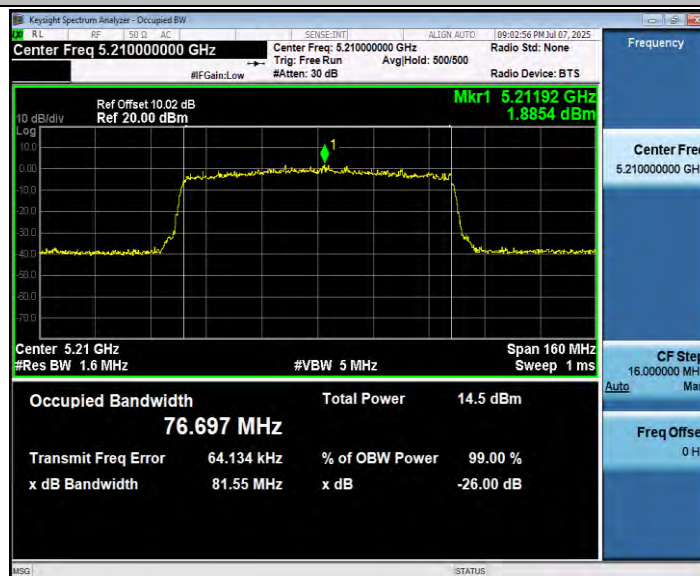
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

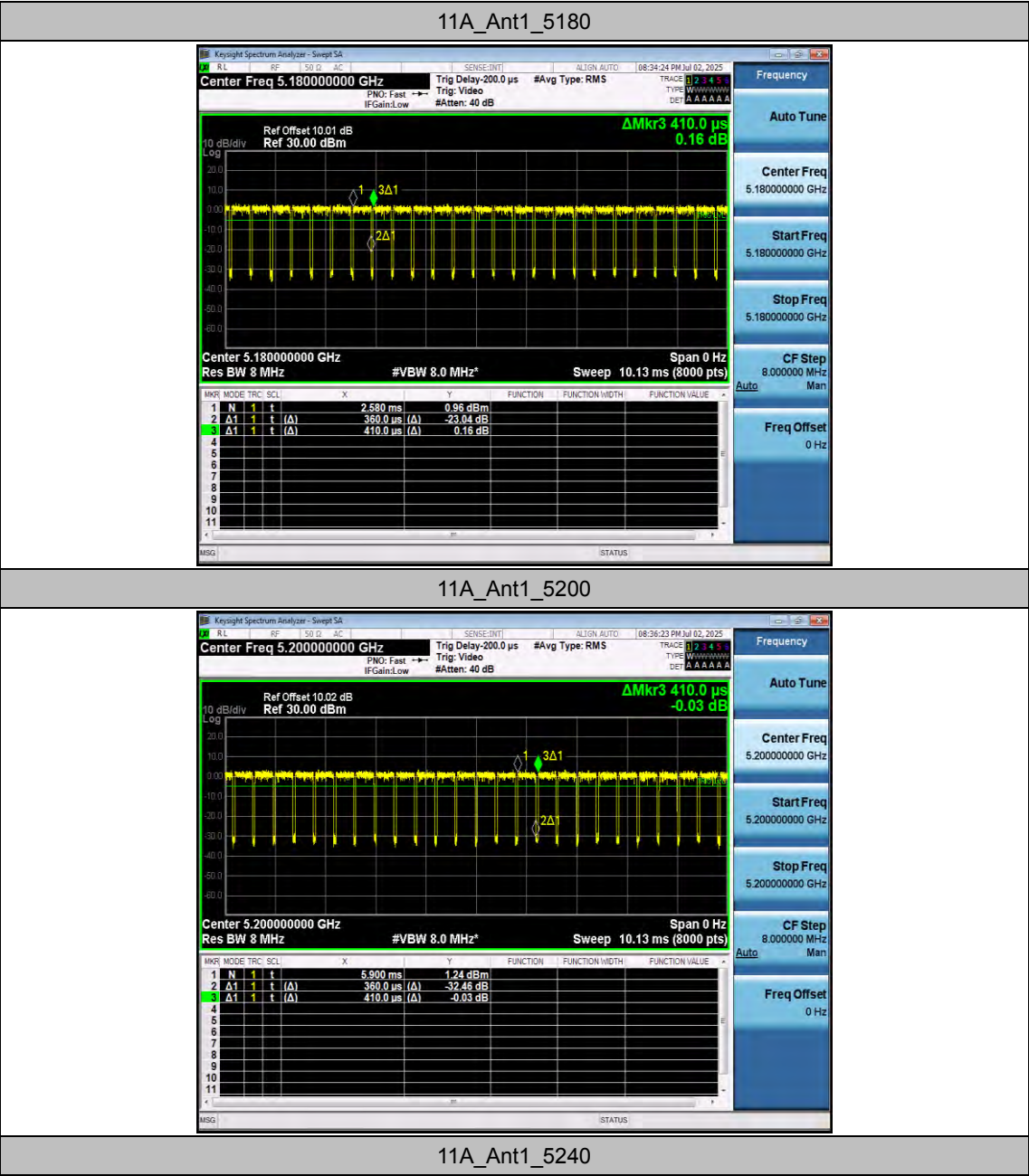


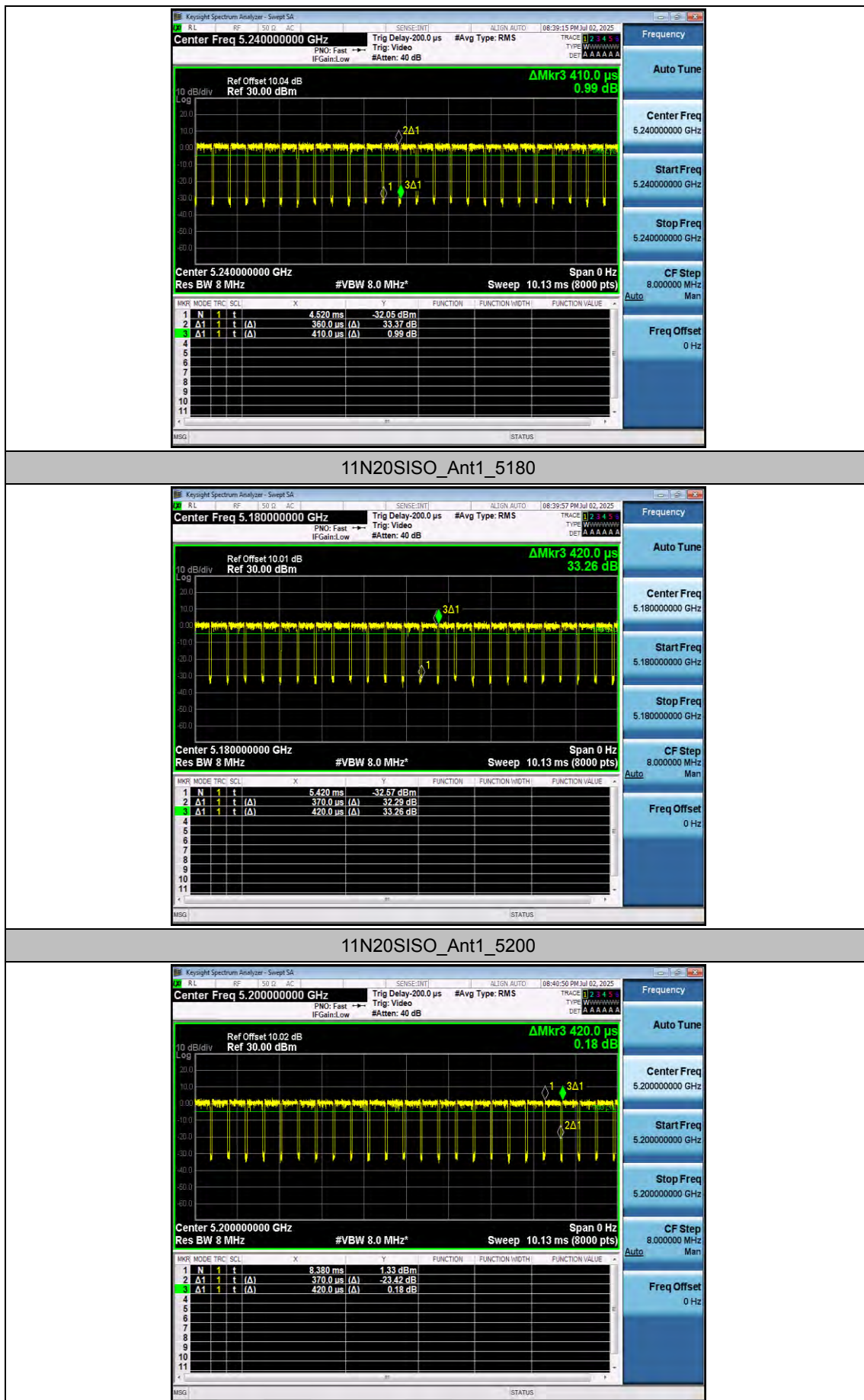
Appendix D.3: Duty Cycle

Test Result

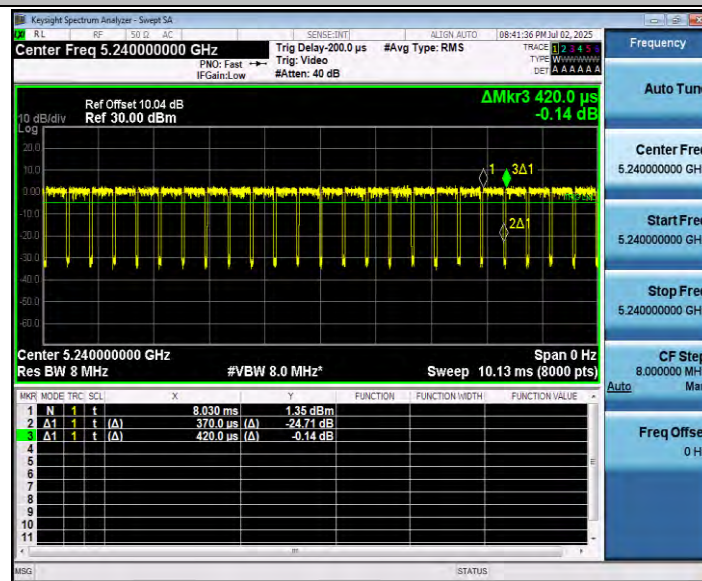
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	0.36	0.41	87.80	0.57	2.78
		5200	0.36	0.41	87.80	0.57	2.78
		5240	0.36	0.41	87.80	0.57	2.78
11N20SISO	Ant1	5180	0.37	0.42	88.10	0.55	2.70
		5200	0.37	0.42	88.10	0.55	2.70
		5240	0.37	0.42	88.10	0.55	2.70
11N40SISO	Ant1	5190	0.38	0.43	88.37	0.54	2.63
		5230	0.38	0.43	88.37	0.54	2.63
11AC20SISO	Ant1	5180	0.36	0.41	87.80	0.57	2.78
		5200	0.36	0.41	87.80	0.57	2.78
		5240	0.36	0.41	87.80	0.57	2.78
11AC40SISO	Ant1	5190	0.36	0.41	87.80	0.57	2.78
		5230	0.36	0.41	87.80	0.57	2.78
11AC80SISO	Ant1	5210	0.36	0.41	87.80	0.57	2.78
11AX20SISO	Ant1	5180	0.37	0.42	88.10	0.55	2.70
		5200	0.37	0.42	88.10	0.55	2.70
		5240	0.37	0.42	88.10	0.55	2.70
11AX40SISO	Ant1	5190	0.37	0.42	88.10	0.55	2.70
		5230	0.37	0.42	88.10	0.55	2.70
11AX80SISO	Ant1	5210	0.37	0.42	88.10	0.55	2.70

Test Graphs

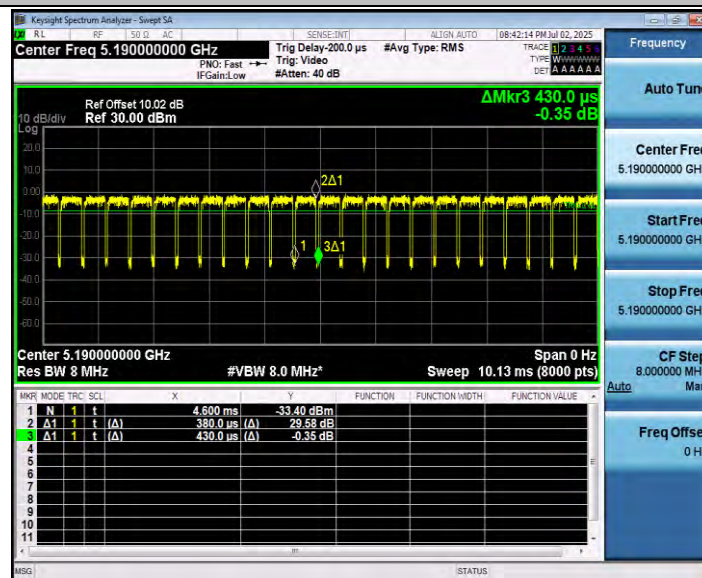




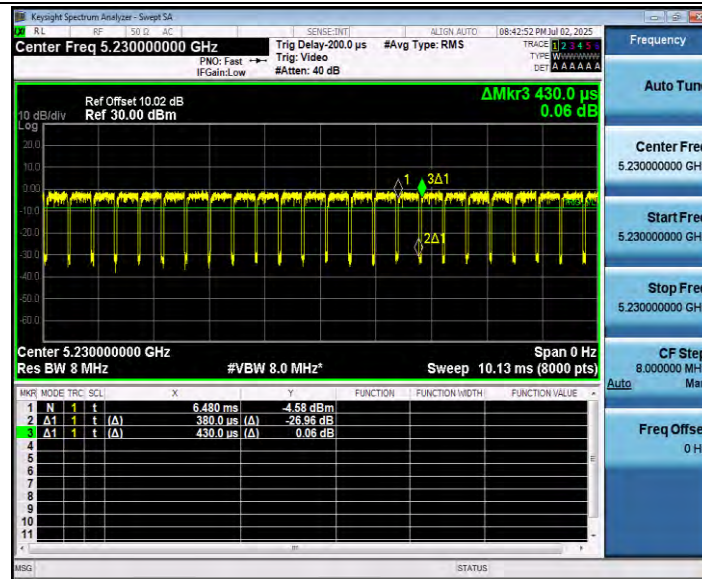
11N20SISO_Ant1_5240



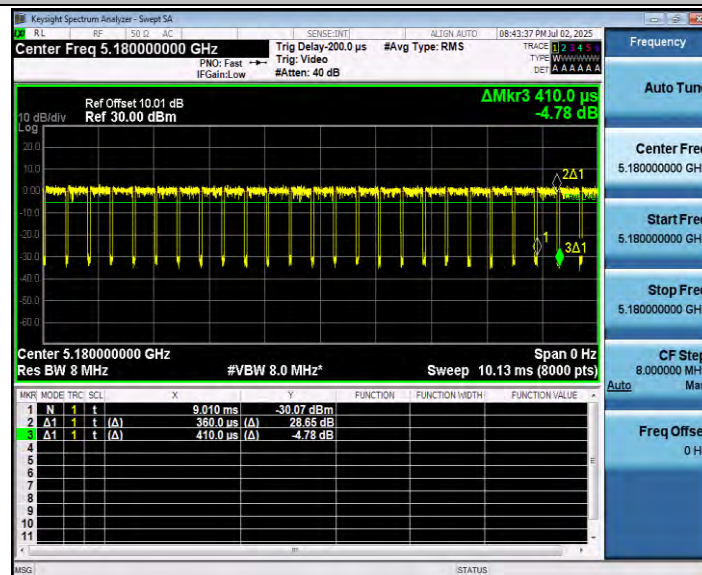
11N40SISO_Ant1_5190



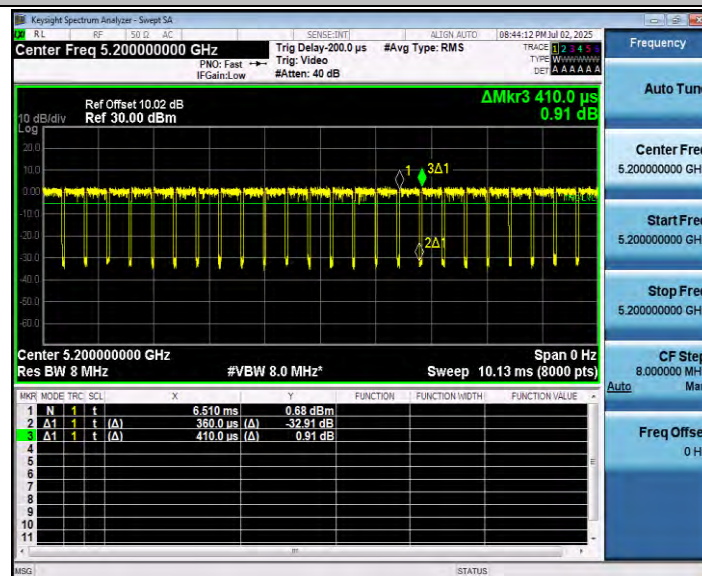
11N40SISO_Ant1_5230

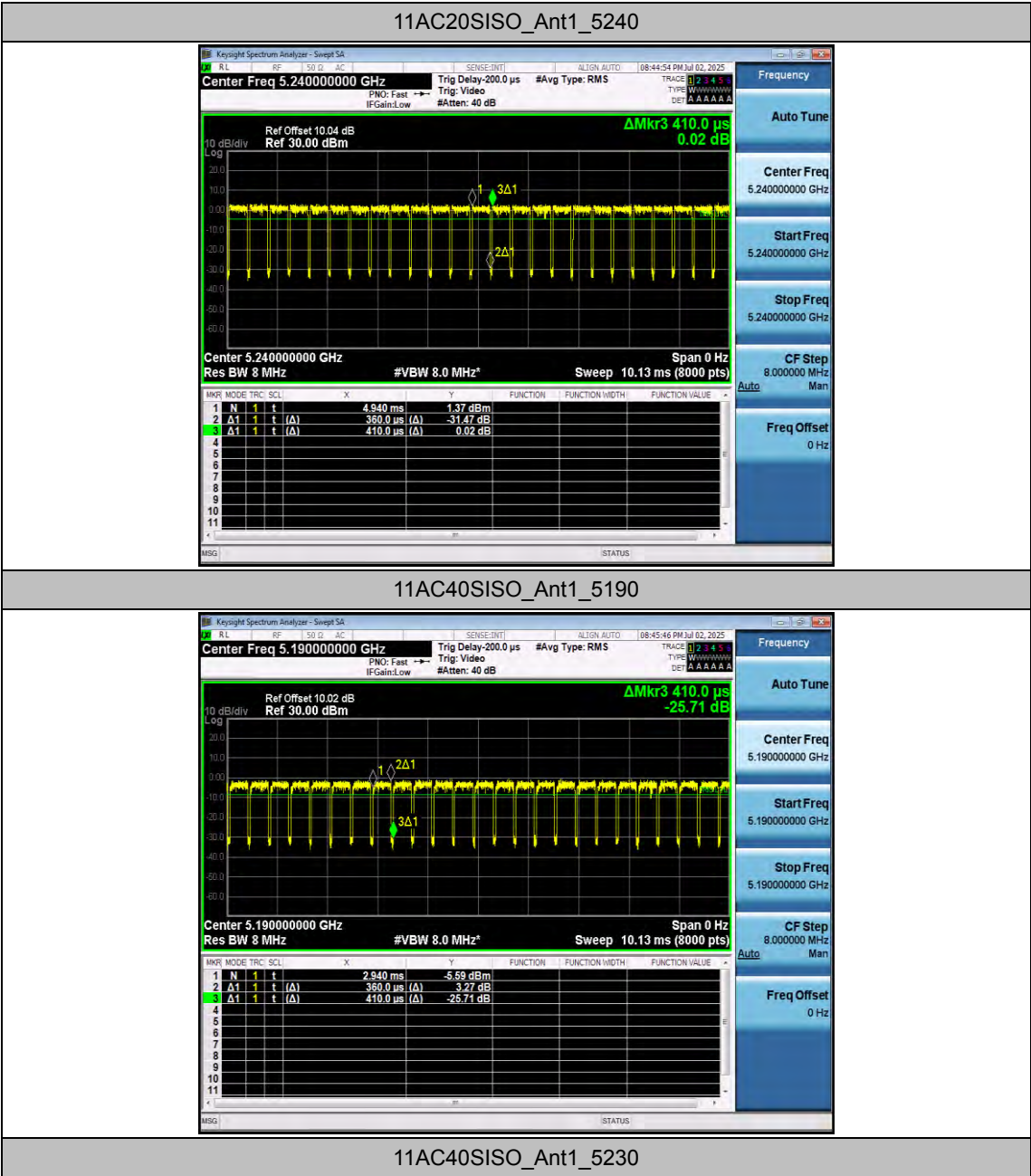


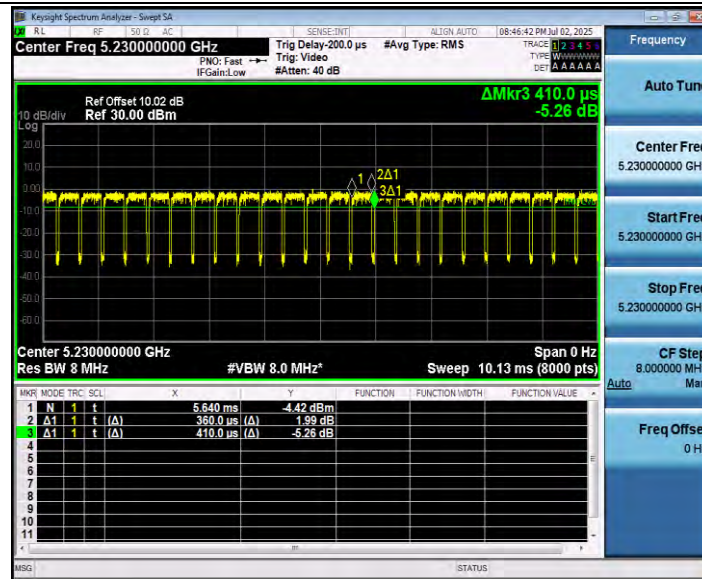
11AC20SISO_Ant1_5180



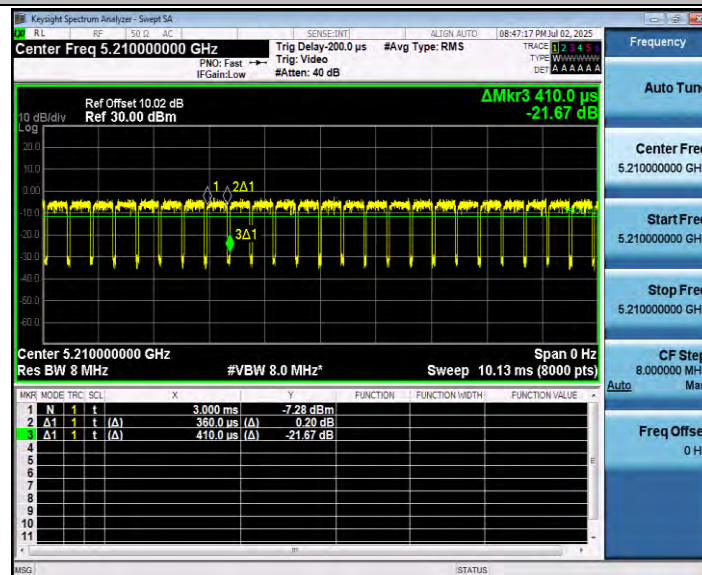
11AC20SISO_Ant1_5200



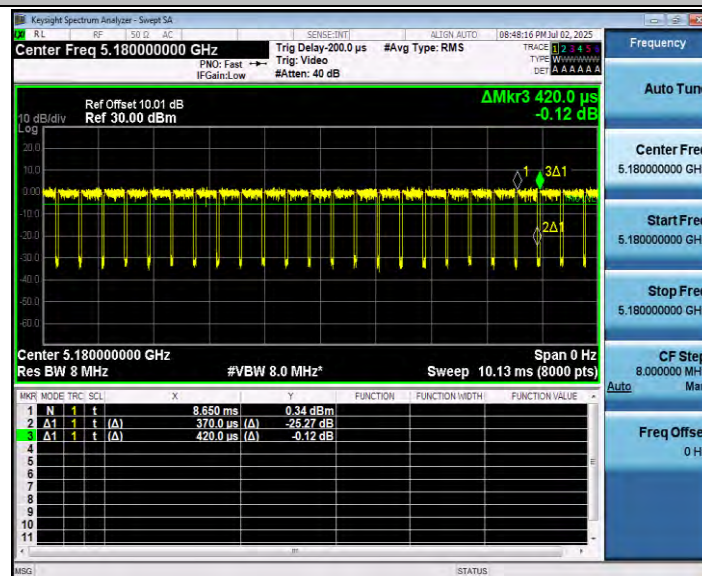


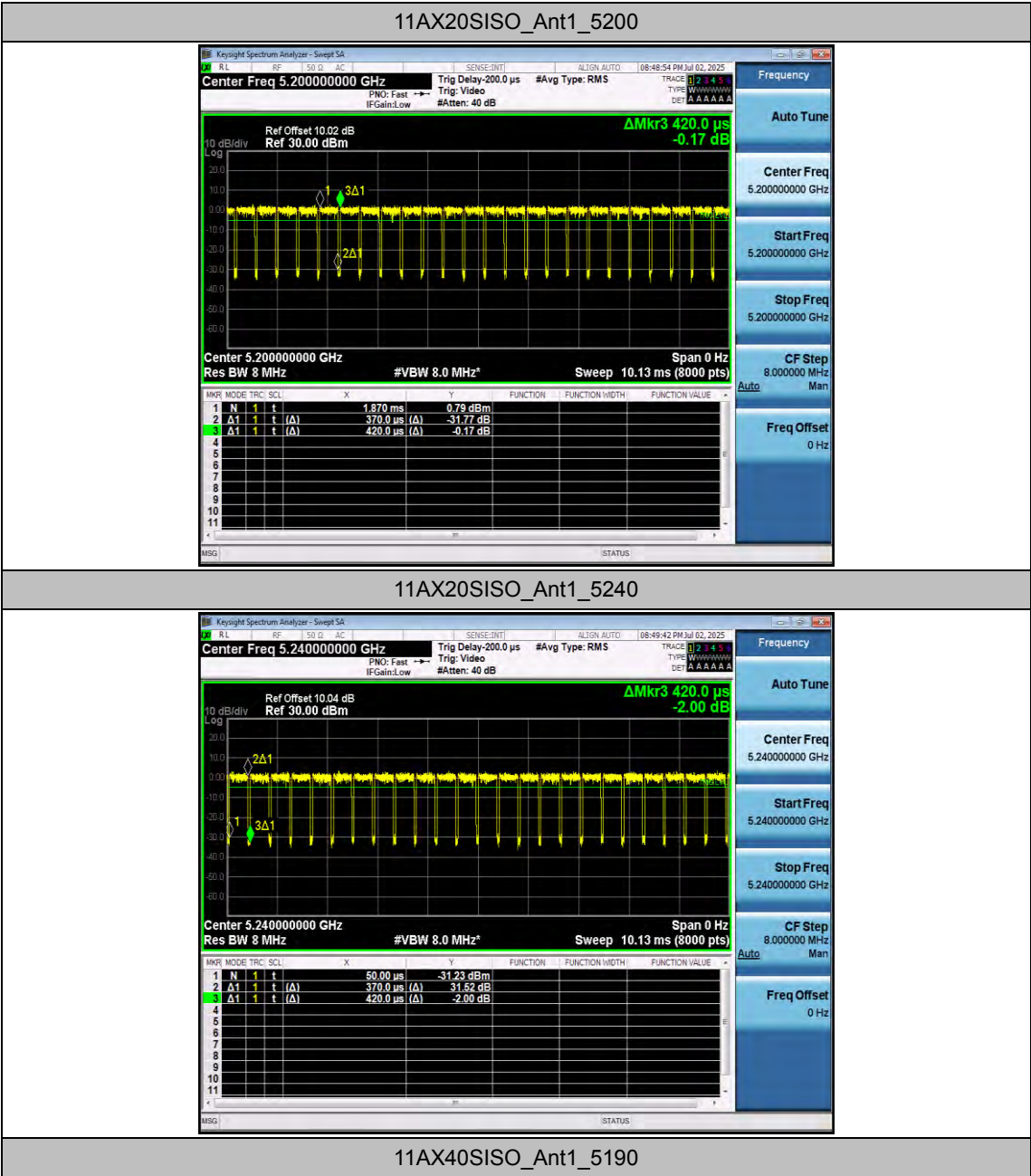


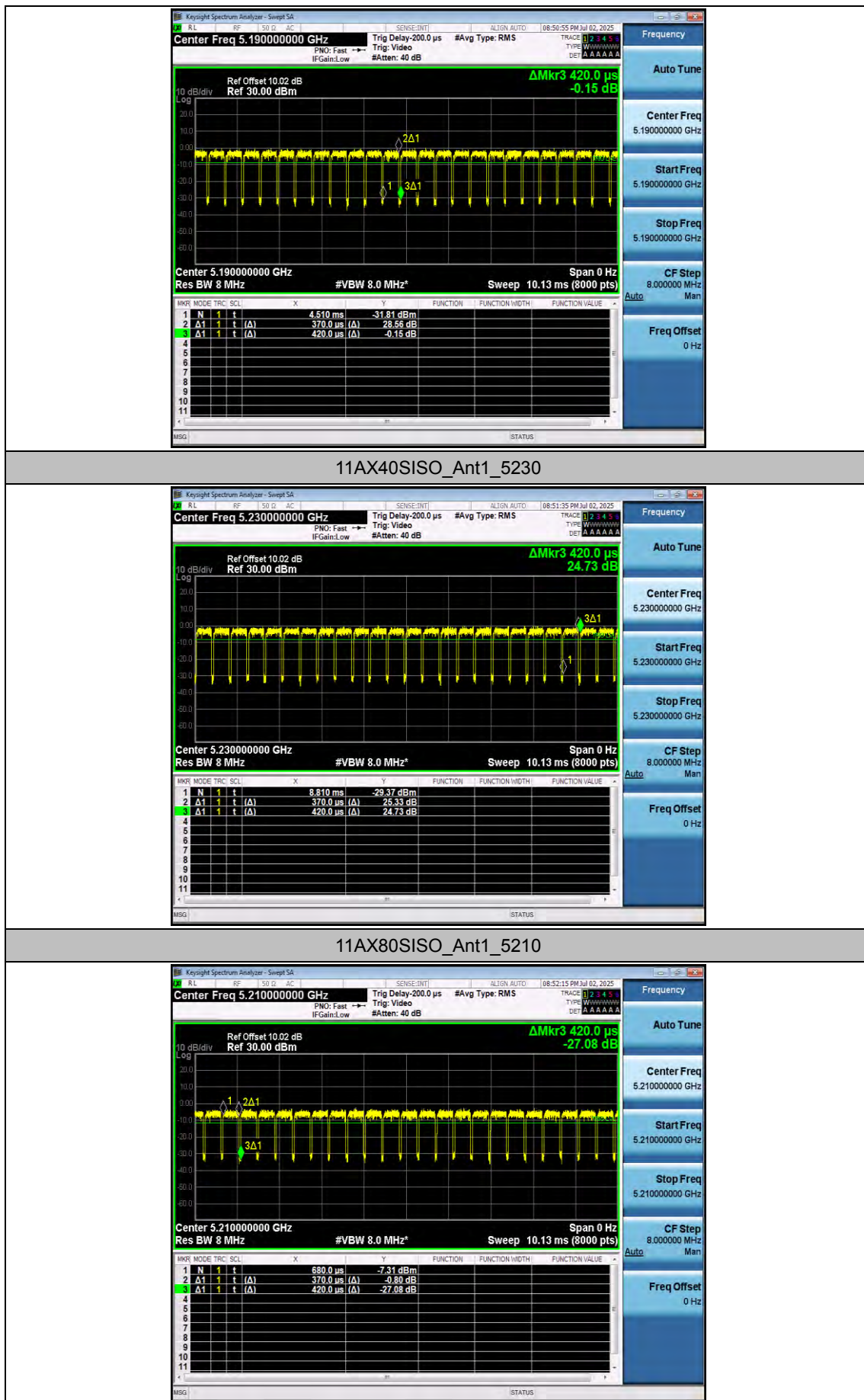
11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180







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	4.99	87.80	0.57	5.56	≤23.98	PASS
		5200	5.03	87.80	0.57	5.60	≤23.98	PASS
		5240	6.00	87.80	0.57	6.57	≤23.98	PASS
11N20SISO	Ant1	5180	4.81	88.10	0.55	5.36	≤23.98	PASS
		5200	5.14	88.10	0.55	5.69	≤23.98	PASS
		5240	5.68	88.10	0.55	6.23	≤23.98	PASS
11N40SISO	Ant1	5190	4.50	88.37	0.54	5.04	≤23.98	PASS
		5230	4.94	88.37	0.54	5.48	≤23.98	PASS
11AC20SISO	Ant1	5180	5.06	87.80	0.57	5.63	≤23.98	PASS
		5200	5.16	87.80	0.57	5.73	≤23.98	PASS
		5240	5.86	87.80	0.57	6.43	≤23.98	PASS
11AC40SISO	Ant1	5190	4.28	87.80	0.57	4.85	≤23.98	PASS
		5230	4.96	87.80	0.57	5.53	≤23.98	PASS
11AC80SISO	Ant1	5210	5.23	87.80	0.57	5.80	≤23.98	PASS
11AX20SISO	Ant1	5180	4.05	88.10	0.55	4.60	≤23.98	PASS
		5200	4.41	88.10	0.55	4.96	≤23.98	PASS
		5240	5.30	88.10	0.55	5.85	≤23.98	PASS
11AX40SISO	Ant1	5190	4.20	88.10	0.55	4.75	≤23.98	PASS
		5230	5.12	88.10	0.55	5.67	≤23.98	PASS
11AX80SISO	Ant1	5210	5.11	88.10	0.55	5.66	≤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	-7.88	≤11.00	PASS
		5200	-7.60	≤11.00	PASS
		5240	-7.39	≤11.00	PASS
11N20SISO	Ant1	5180	-8.12	≤11.00	PASS
		5200	-7.78	≤11.00	PASS
		5240	-7.53	≤11.00	PASS
11N40SISO	Ant1	5190	-10.89	≤11.00	PASS
		5230	-10.75	≤11.00	PASS
11AC20SISO	Ant1	5180	-1.31	≤11.00	PASS
		5200	-7.69	≤11.00	PASS
		5240	-7.49	≤11.00	PASS
11AC40SISO	Ant1	5190	-10.91	≤11.00	PASS
		5230	-10.73	≤11.00	PASS
11AC80SISO	Ant1	5210	-13.71	≤11.00	PASS
11AX20SISO	Ant1	5180	-8.33	≤11.00	PASS
		5200	-8.02	≤11.00	PASS
		5240	-7.80	≤11.00	PASS
11AX40SISO	Ant1	5190	-11.27	≤11.00	PASS
		5230	-11.06	≤11.00	PASS
11AX80SISO	Ant1	5210	-14.13	≤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



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

