

Case No. : <u>GTS20250926009-3-05</u>
Ambient Condition: <u>23</u> °C, <u>48</u> %RH
According Standard: ■Part15E
Test Date: <u>2025.09.14- 2025.11.12</u> Test Engineer: <u>Evan ouyang</u>

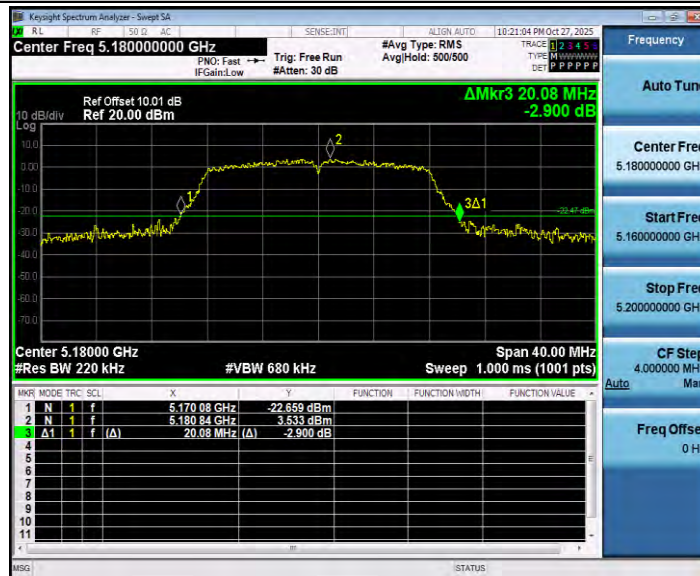
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.080	5170.080	5190.160	---	---
		5200	20.120	5189.880	5210.000	---	---
		5240	21.280	5230.080	5251.360	---	---
11N20SISO	Ant1	5180	20.040	5169.960	5190.000	---	---
		5200	20.240	5189.960	5210.200	---	---
		5240	20.760	5229.360	5250.120	---	---
11N40SISO	Ant1	5190	40.640	5169.600	5210.240	---	---
		5230	40.160	5210.000	5250.160	---	---
11AC20SISO	Ant1	5180	20.400	5169.880	5190.280	---	---
		5200	20.360	5189.880	5210.240	---	---
		5240	20.240	5229.840	5250.080	---	---
11AC40SISO	Ant1	5190	40.320	5170.000	5210.320	---	---
		5230	40.560	5209.680	5250.240	---	---
11AC80SISO	Ant1	5210	81.120	5169.680	5250.800	---	---

Test Graphs

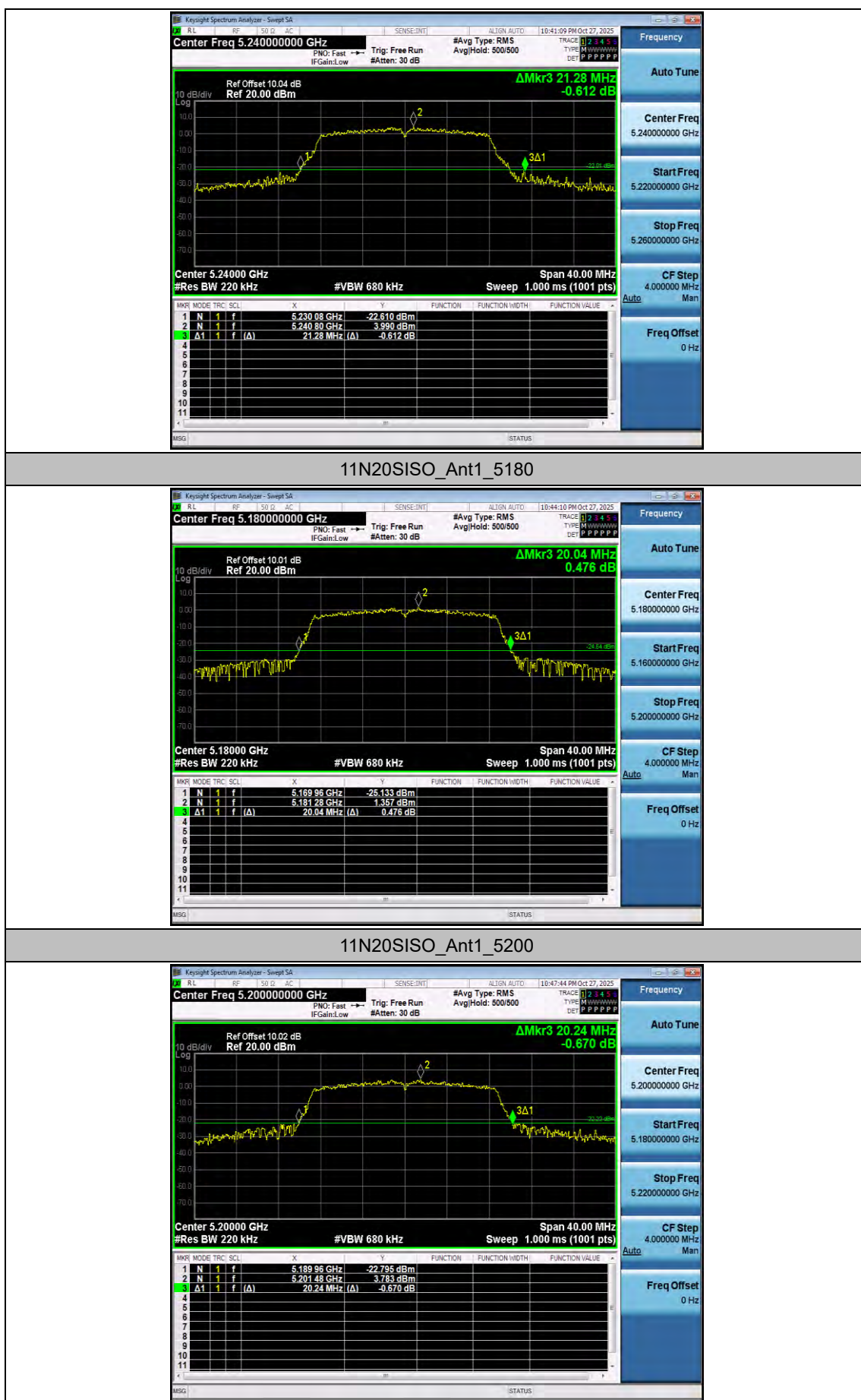
11A_Ant1_5180



11A_Ant1_5200



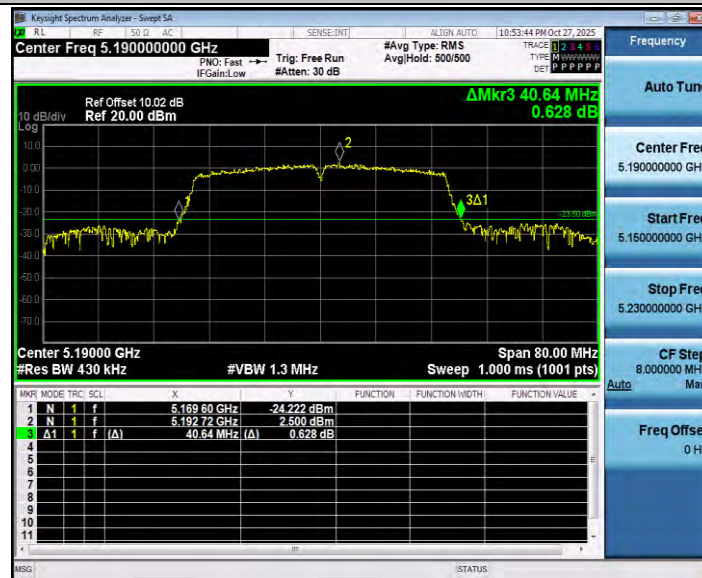
11A_Ant1_5240



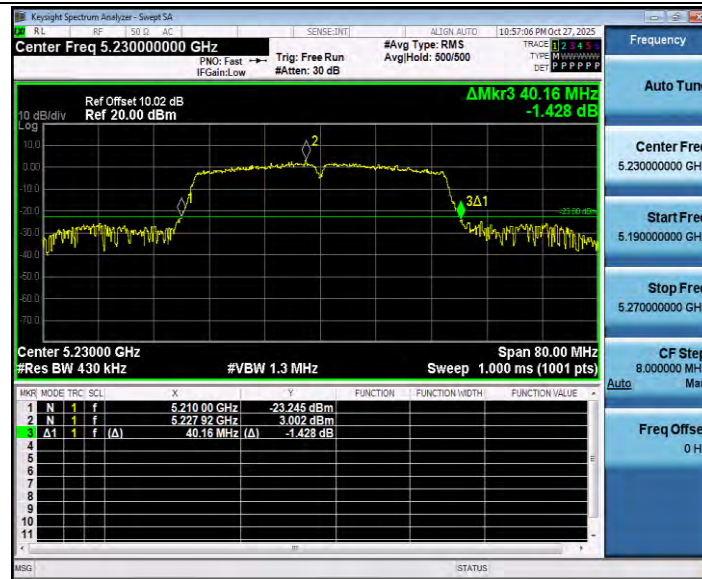
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



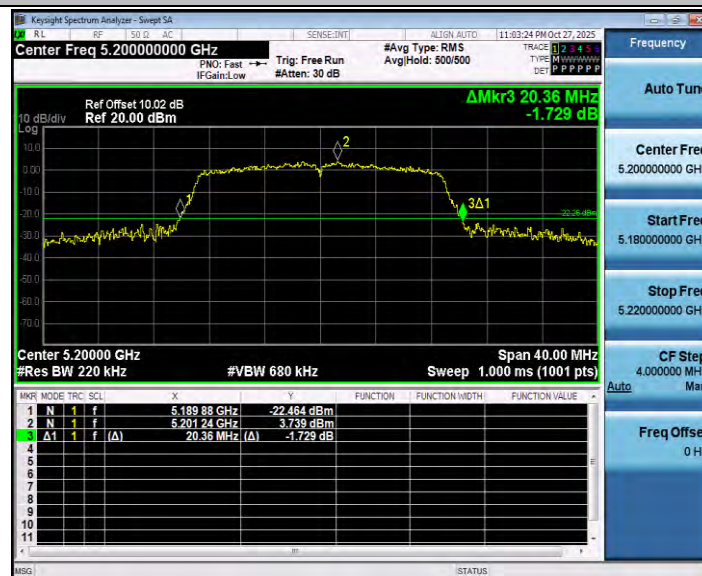
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



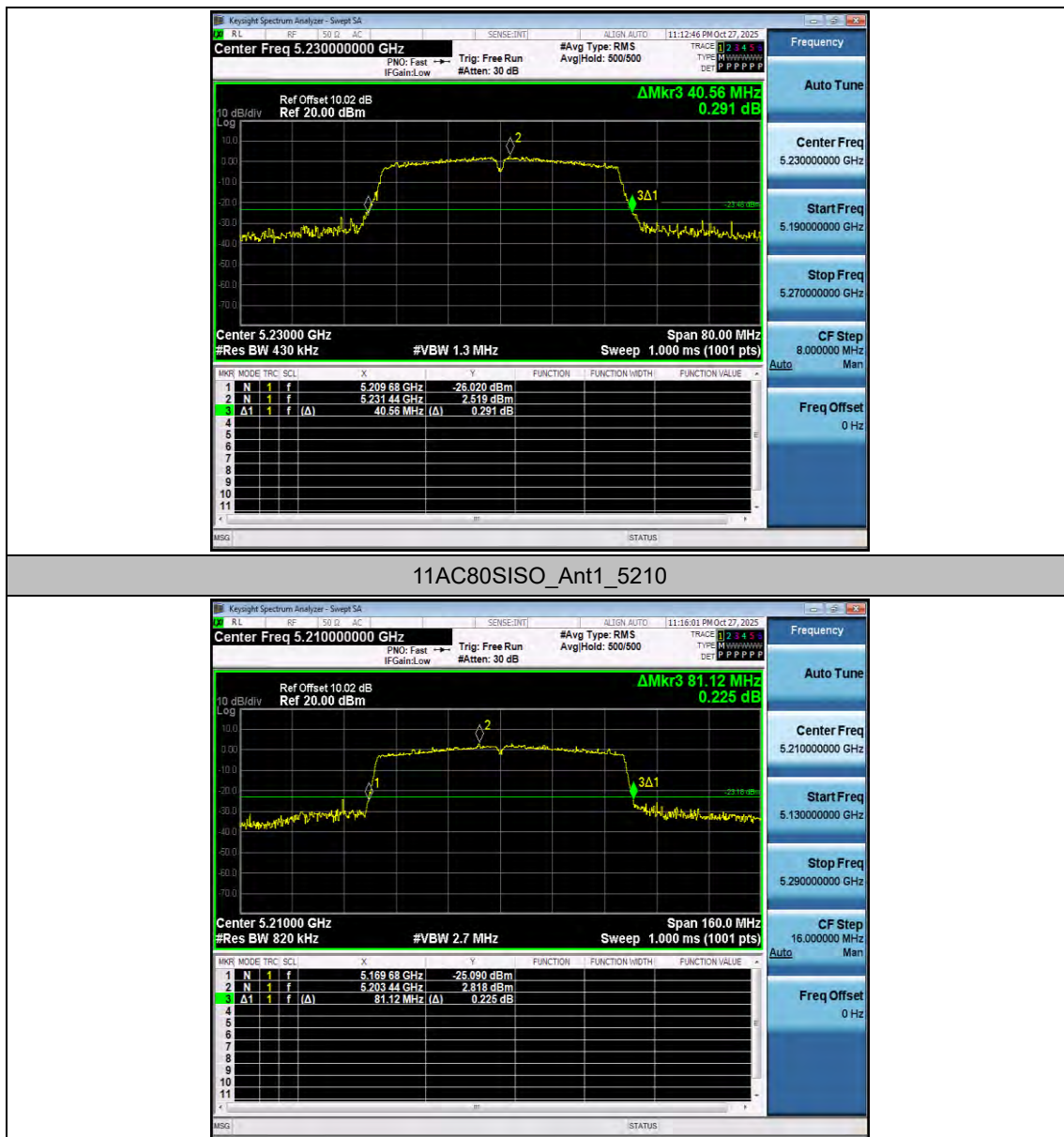
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

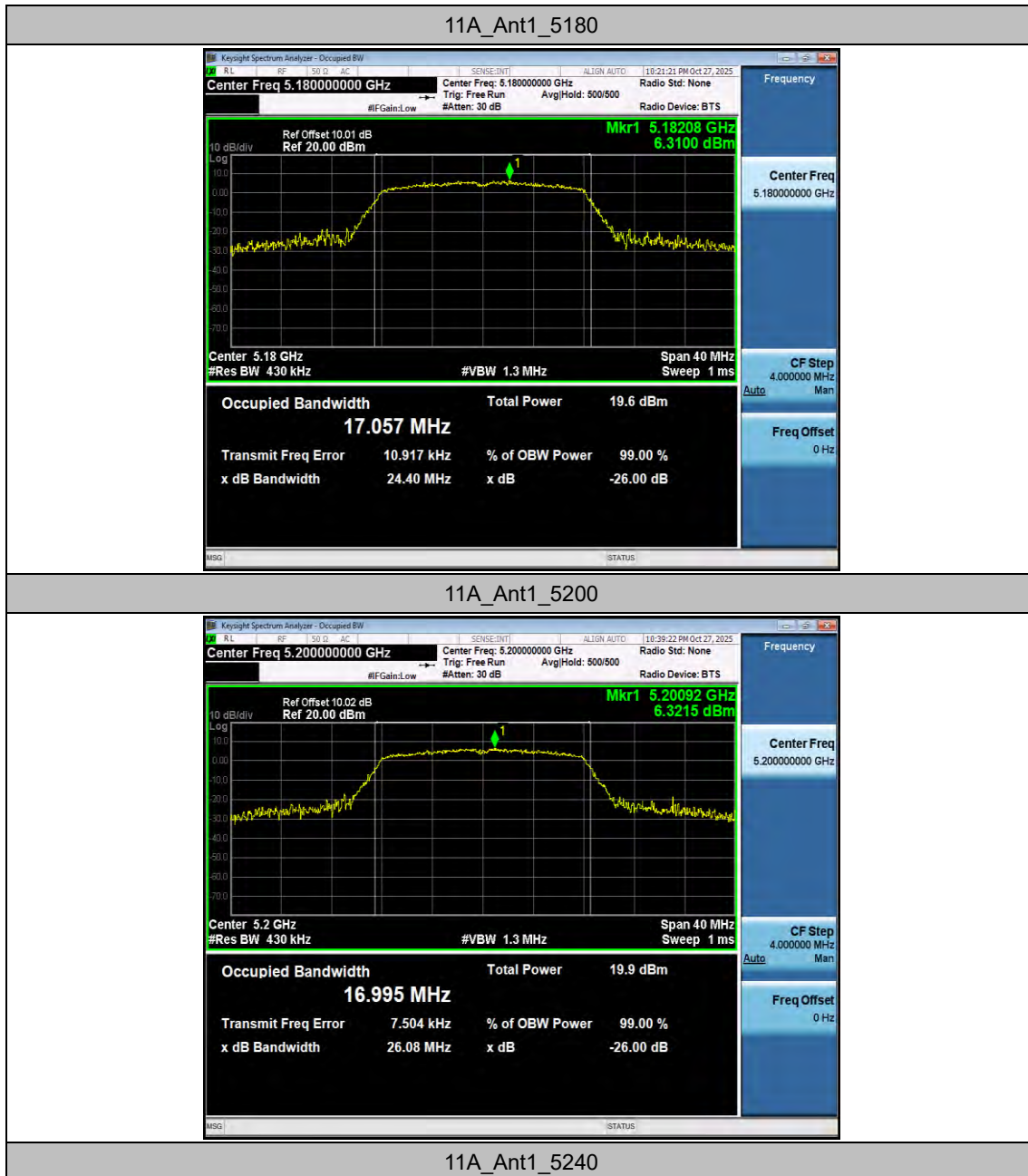


Appendix D.2: Occupied channel bandwidth

Test Result

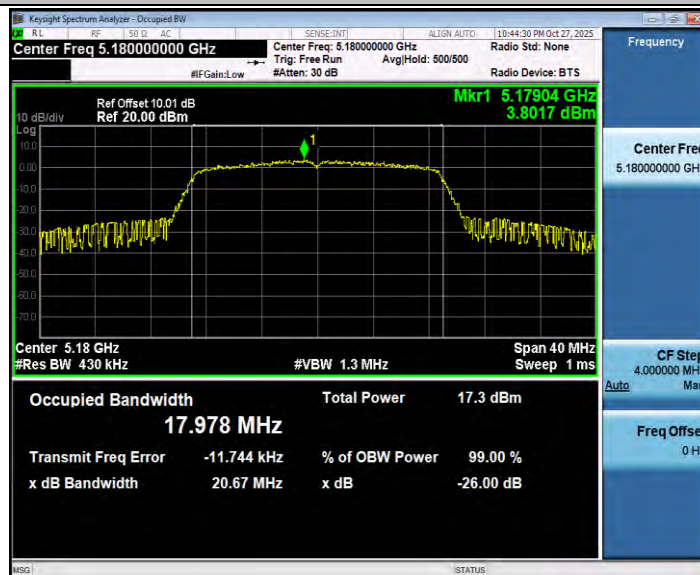
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.057	5171.4824	5188.5394	---	---
		5200	16.995	5191.5100	5208.5050	---	---
		5240	17.005	5231.4893	5248.4943	---	---
11N20SISO	Ant1	5180	17.978	5170.9993	5188.9773	---	---
		5200	18.050	5190.9634	5209.0134	---	---
		5240	17.994	5230.9750	5248.9690	---	---
11N40SISO	Ant1	5190	36.537	5171.7780	5208.3150	---	---
		5230	36.505	5211.7755	5248.2805	---	---
11AC20SISO	Ant1	5180	17.938	5171.0380	5188.9760	---	---
		5200	17.916	5191.0523	5208.9683	---	---
		5240	17.908	5231.0465	5248.9545	---	---
11AC40SISO	Ant1	5190	36.273	5171.9187	5208.1917	---	---
		5230	36.222	5211.8807	5248.1027	---	---
11AC80SISO	Ant1	5210	75.123	5172.5940	5247.7170	---	---

Test Graphs





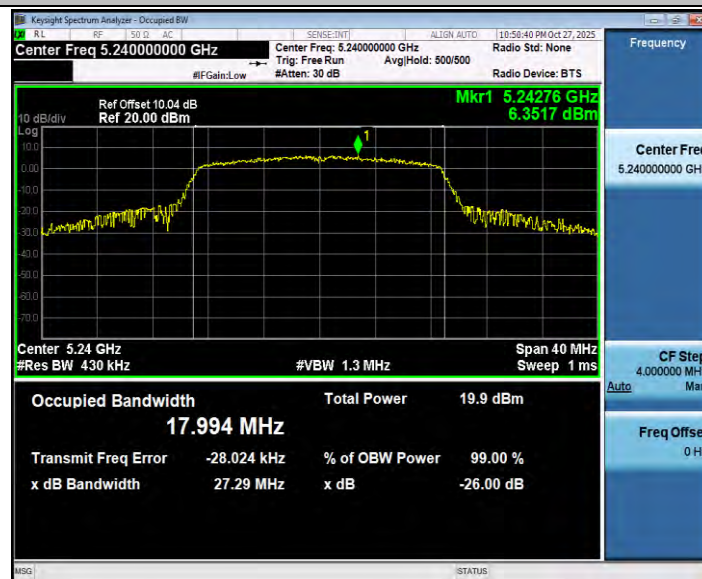
11N20SISO_Ant1_5180



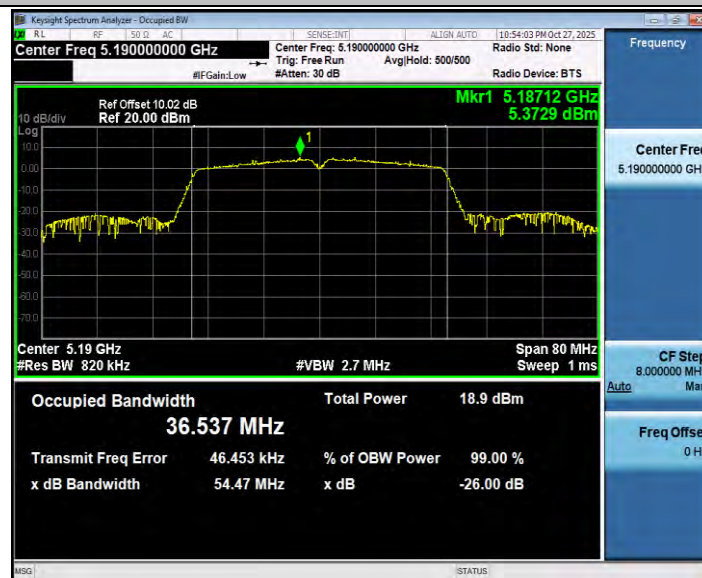
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



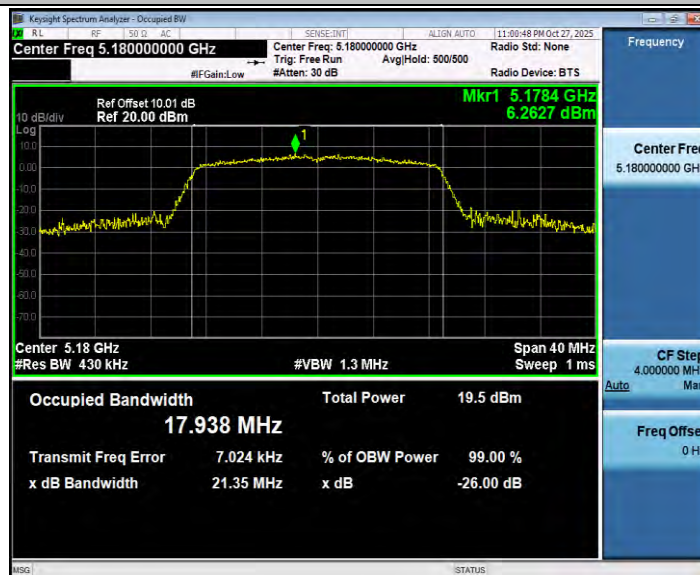
11N40SISO_Ant1_5190



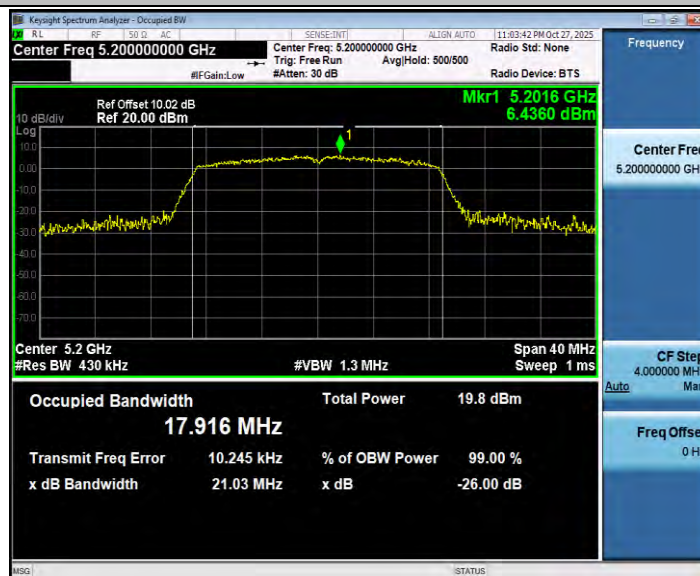
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



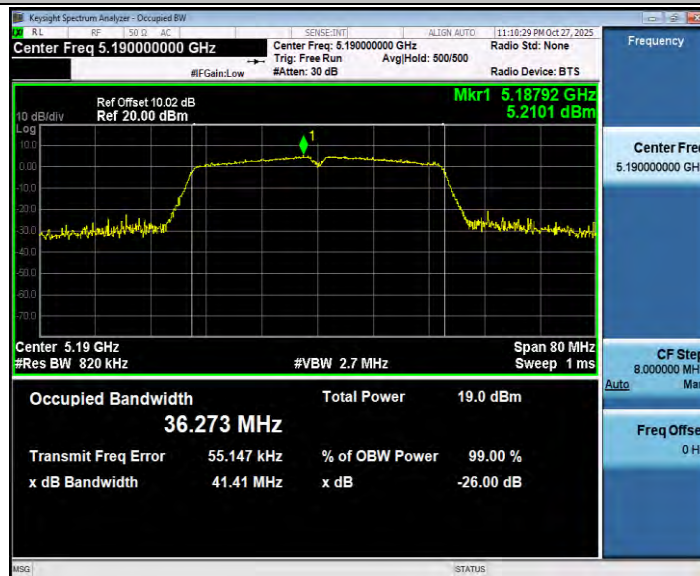
11AC20SISO_Ant1_5200



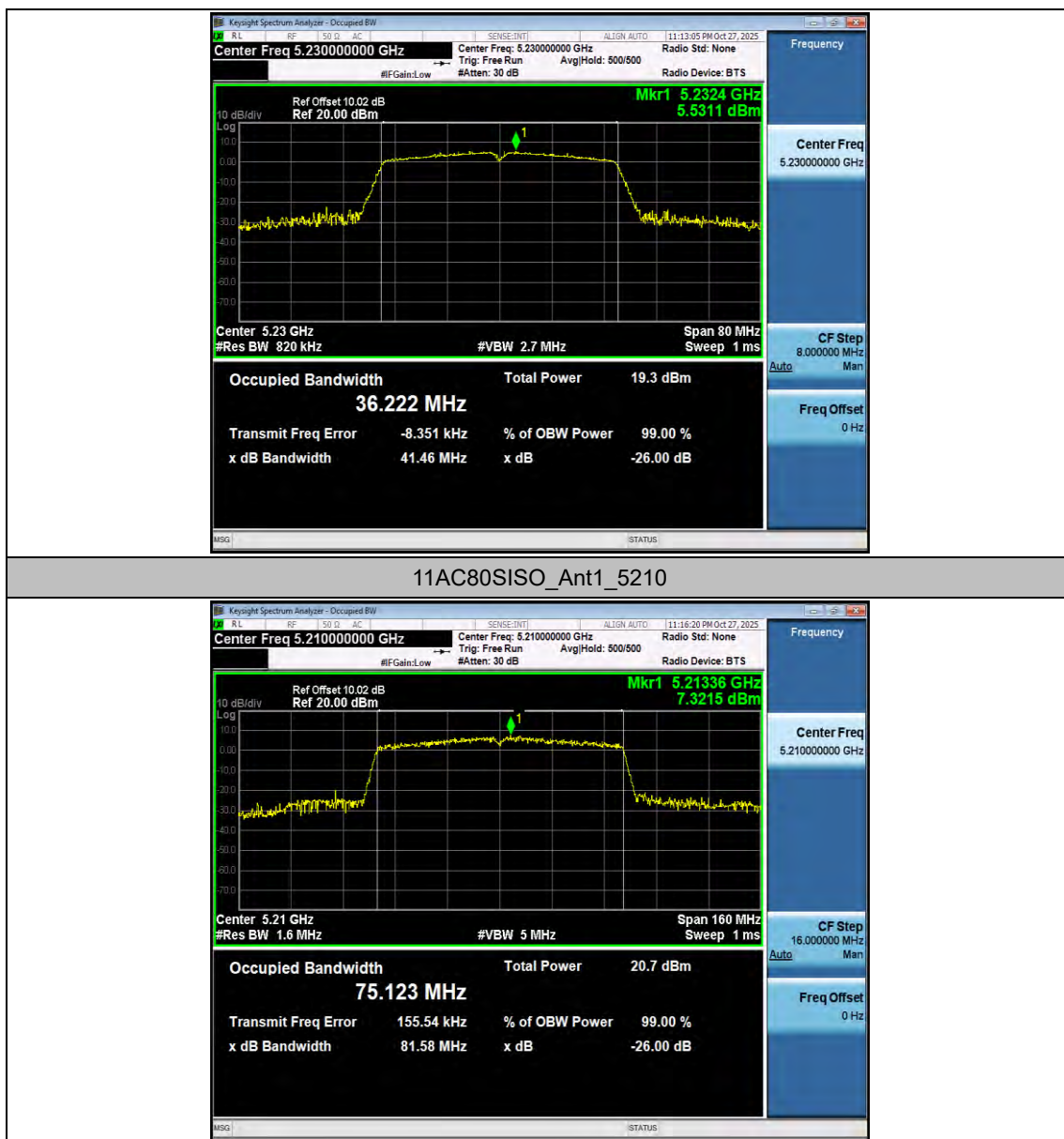
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

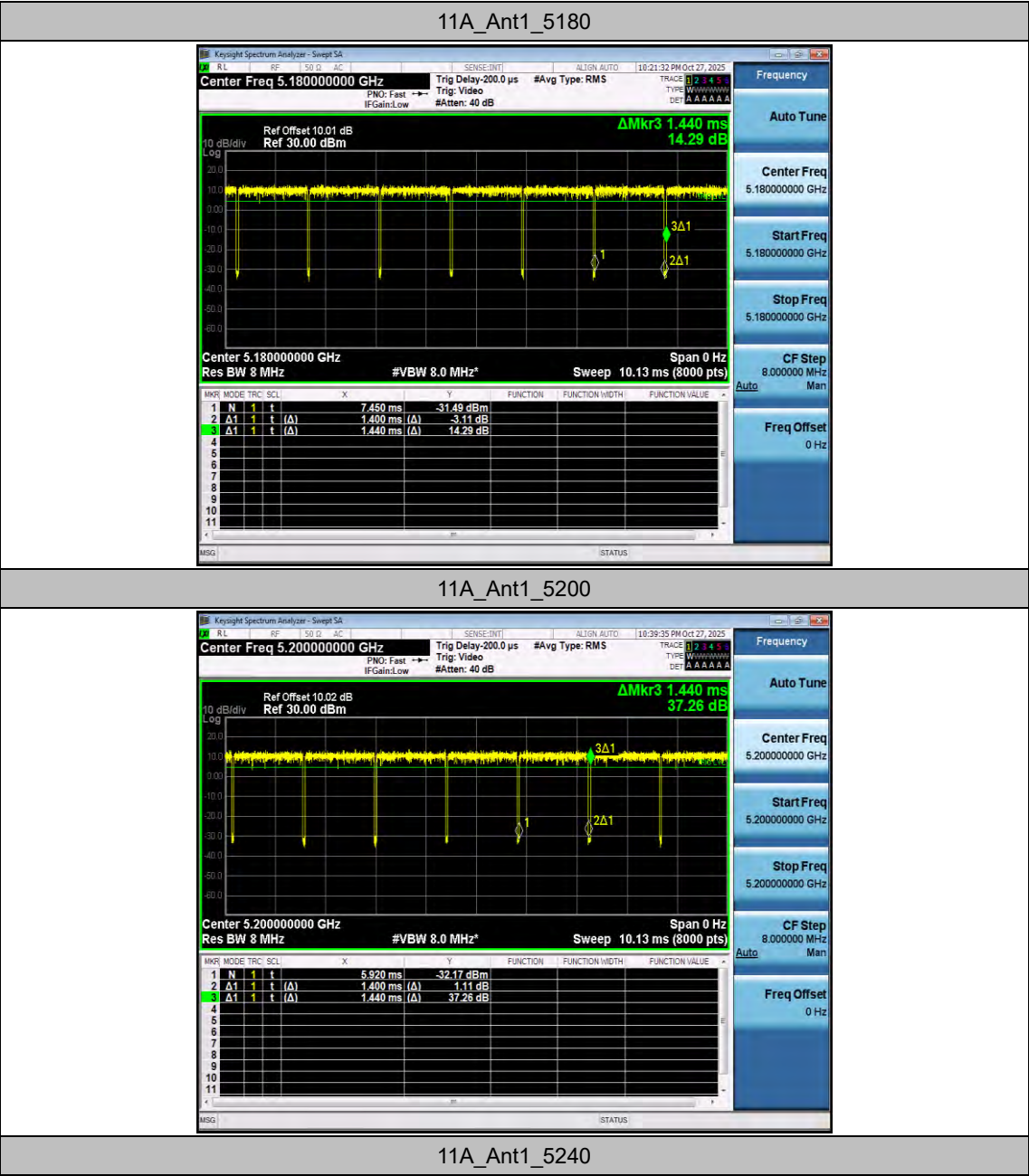


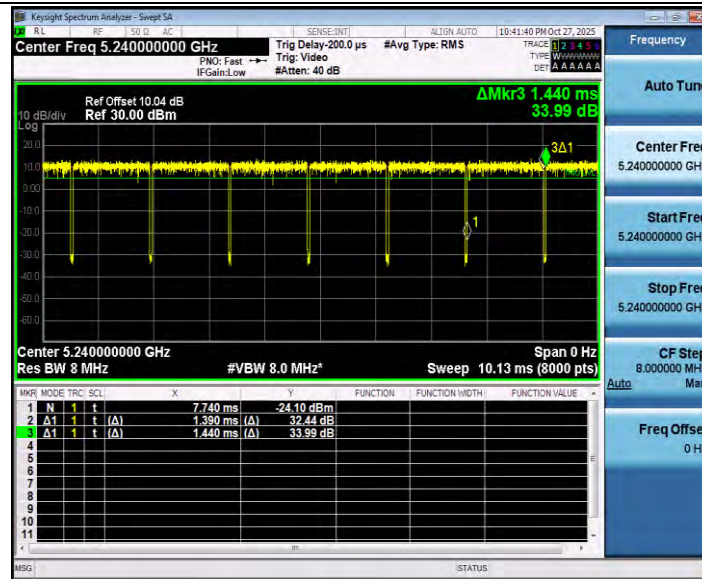
Appendix D.3: Duty Cycle

Test Result

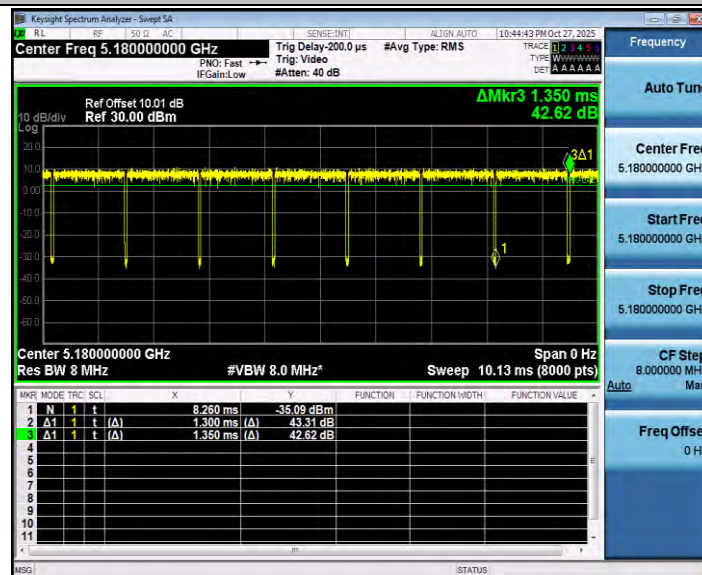
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	1.40	1.44	97.22	0.12	0.71
		5200	1.40	1.44	97.22	0.12	0.71
		5240	1.39	1.44	96.53	0.15	0.72
11N20SISO	Ant1	5180	1.30	1.35	96.30	0.16	0.77
		5200	1.30	1.35	96.30	0.16	0.77
		5240	1.30	1.35	96.30	0.16	0.77
11N40SISO	Ant1	5190	0.64	0.69	92.75	0.33	1.56
		5230	0.65	0.69	94.20	0.26	1.54
11AC20SISO	Ant1	5180	1.31	1.36	96.32	0.16	0.76
		5200	1.31	1.36	96.32	0.16	0.76
		5240	1.31	1.35	97.04	0.13	0.76
11AC40SISO	Ant1	5190	0.65	0.69	94.20	0.26	1.54
		5230	0.65	0.69	94.20	0.26	1.54
11AC80SISO	Ant1	5210	0.32	0.37	86.49	0.63	3.13

Test Graphs

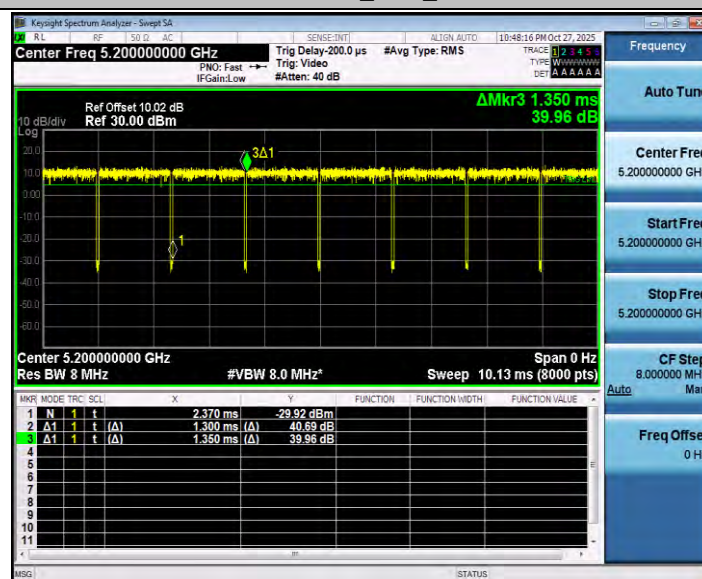




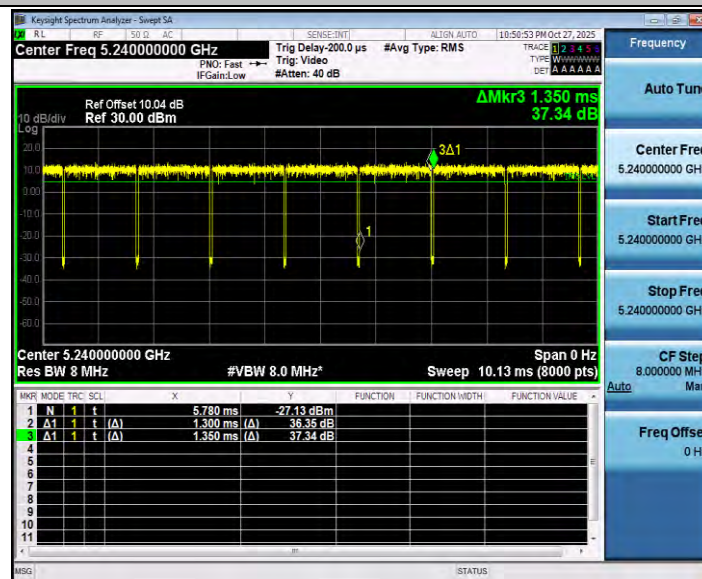
11N20SISO_Ant1_5180



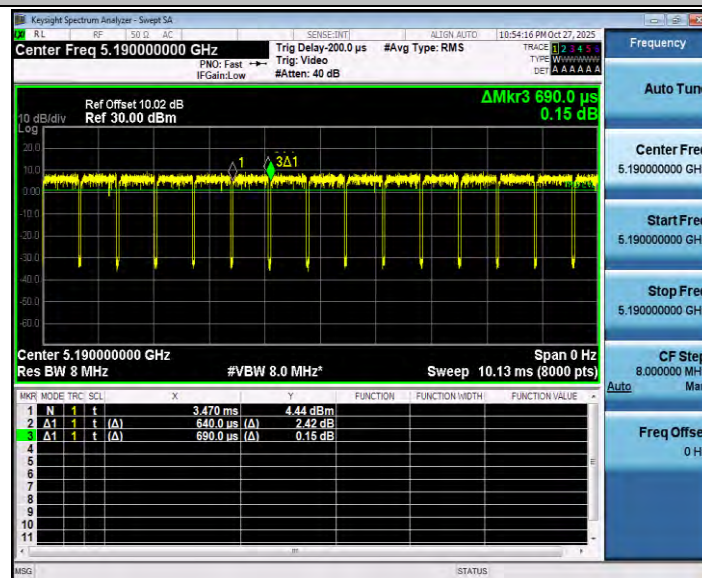
11N20SISO_Ant1_5200



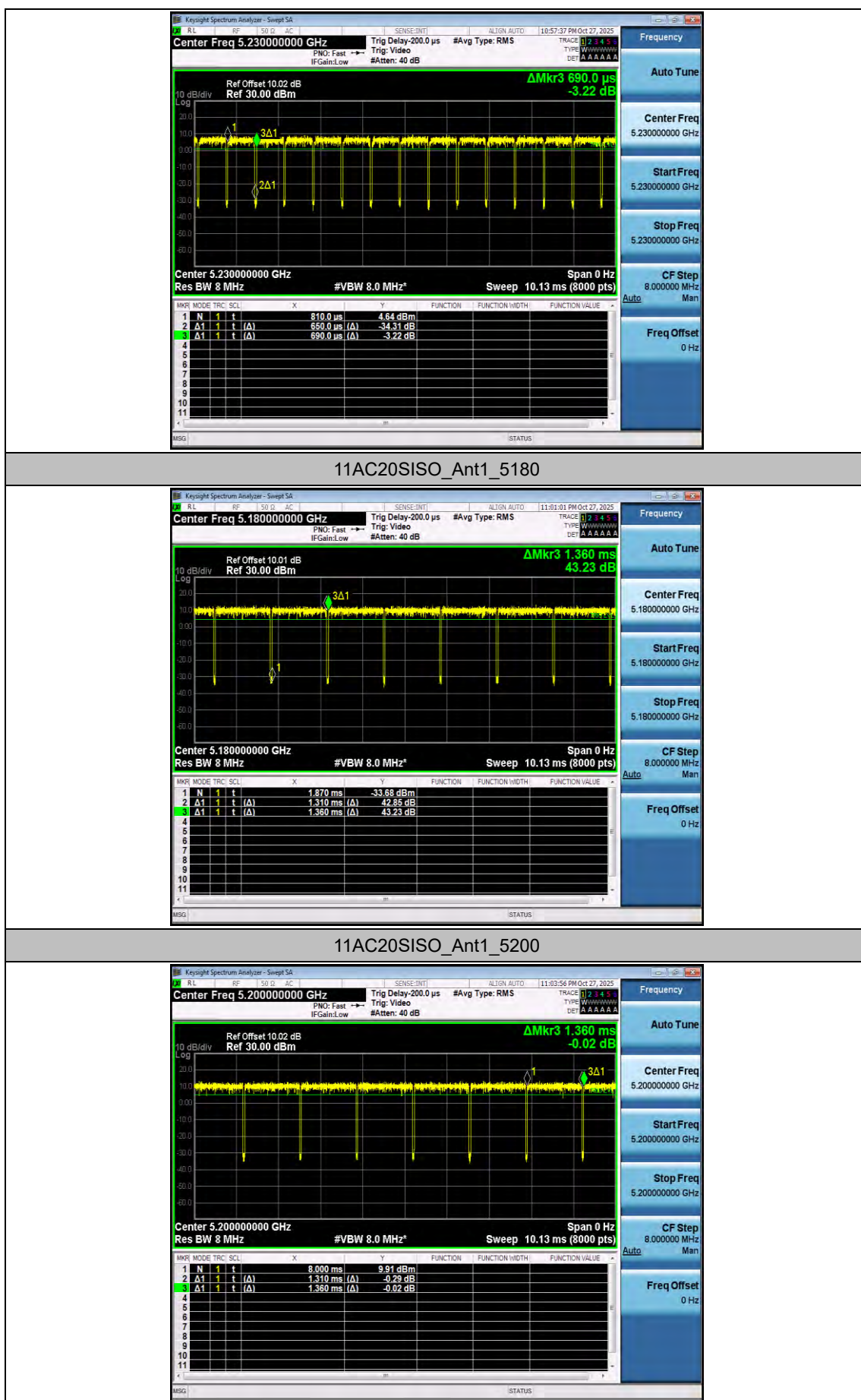
11N20SISO_Ant1_5240

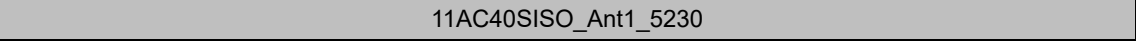
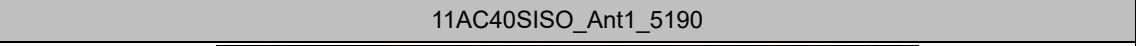


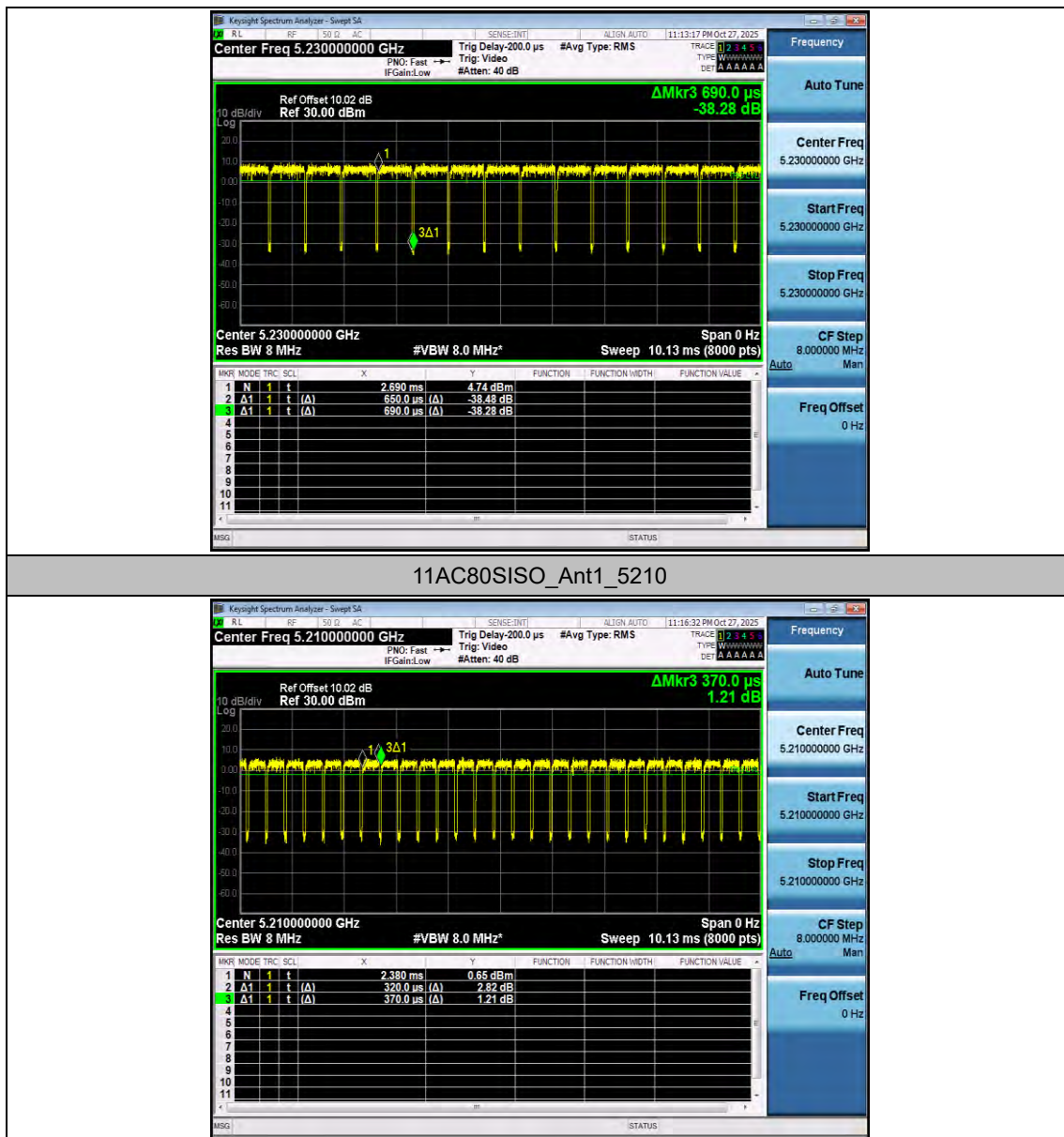
11N40SISO_Ant1_5190



11N40SISO_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	12.71	97.22	0.12	12.83	≤23.98	PASS
		5200	12.97	97.22	0.12	13.09	≤23.98	PASS
		5240	12.92	96.53	0.15	13.07	≤23.98	PASS
11N20SISO	Ant1	5180	10.48	96.30	0.16	10.64	≤23.98	PASS
		5200	12.84	96.30	0.16	13.00	≤23.98	PASS
		5240	12.92	96.30	0.16	13.08	≤23.98	PASS
11N40SISO	Ant1	5190	11.45	92.75	0.33	11.78	≤23.98	PASS
		5230	11.62	94.20	0.26	11.88	≤23.98	PASS
11AC20SISO	Ant1	5180	12.58	96.32	0.16	12.74	≤23.98	PASS
		5200	12.88	96.32	0.16	13.04	≤23.98	PASS
		5240	12.84	97.04	0.13	12.97	≤23.98	PASS
11AC40SISO	Ant1	5190	11.45	94.20	0.26	11.71	≤23.98	PASS
		5230	11.63	94.20	0.26	11.89	≤23.98	PASS
11AC80SISO	Ant1	5210	11.21	86.49	0.63	11.84	≤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	2.07	≤11.00	PASS
		5200	2.52	≤11.00	PASS
		5240	2.55	≤11.00	PASS
11N20SISO	Ant1	5180	-0.19	≤11.00	PASS
		5200	2.25	≤11.00	PASS
		5240	2.42	≤11.00	PASS
11N40SISO	Ant1	5190	-1.74	≤11.00	PASS
		5230	-1.64	≤11.00	PASS
11AC20SISO	Ant1	5180	1.93	≤11.00	PASS
		5200	2.26	≤11.00	PASS
		5240	2.28	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.85	≤11.00	PASS
		5230	-1.65	≤11.00	PASS
11AC80SISO	Ant1	5210	-4.41	≤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

