

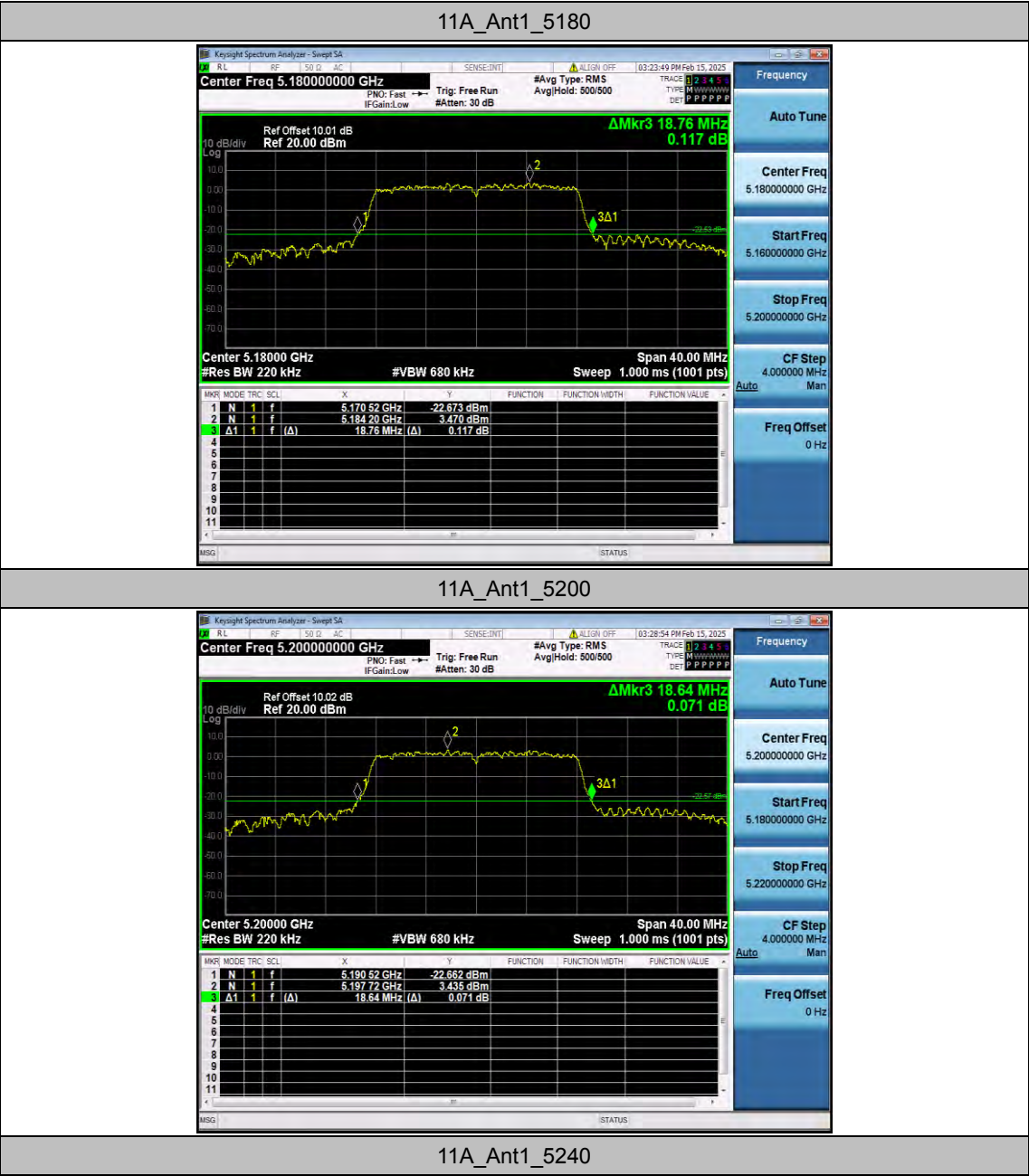
Case No. : <u>GTS20250116009-1-04</u>	
Ambient Condition: <u>22</u> °C, <u>53</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.2.14</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.760	5170.520	5189.280	---	---
		5200	18.640	5190.520	5209.160	---	---
		5240	24.560	5229.080	5253.640	---	---
11N20SISO	Ant1	5180	19.640	5170.200	5189.840	---	---
		5200	19.640	5190.160	5209.800	---	---
		5240	19.600	5230.240	5249.840	---	---
11N40SISO	Ant1	5190	40.160	5170.000	5210.160	---	---
		5230	40.640	5209.680	5250.320	---	---
11AC20SISO	Ant1	5180	20.400	5169.880	5190.280	---	---
		5200	20.160	5189.880	5210.040	---	---
		5240	20.160	5229.920	5250.080	---	---
11AC40SISO	Ant1	5190	43.520	5169.920	5213.440	---	---
		5230	40.640	5209.600	5250.240	---	---
11AC80SISO	Ant1	5210	81.120	5169.360	5250.480	---	---

Test Graphs





11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



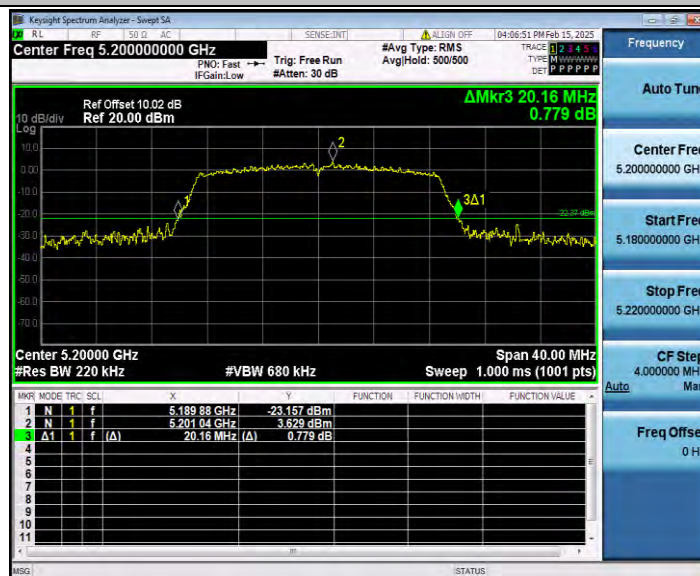
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



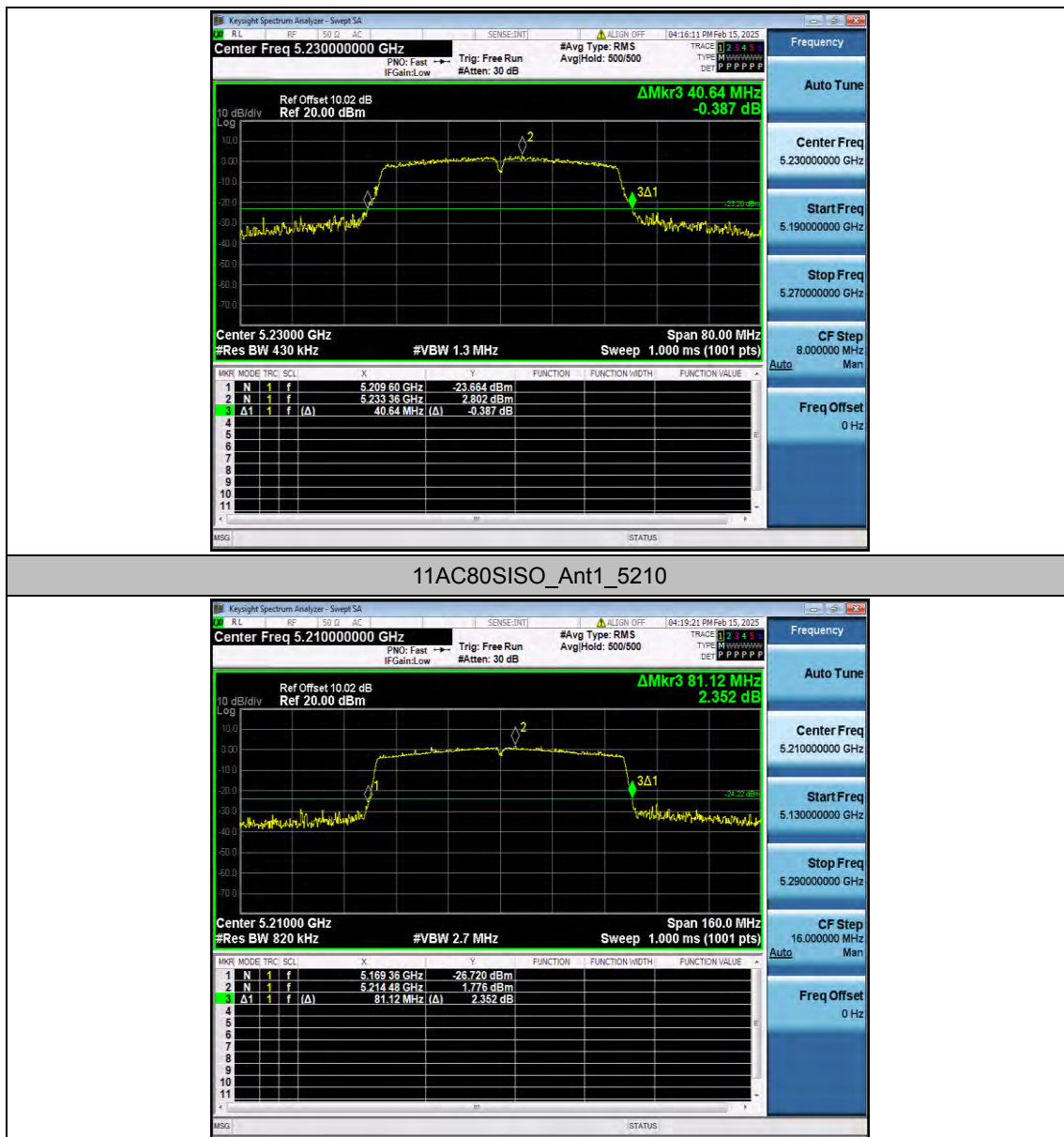
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

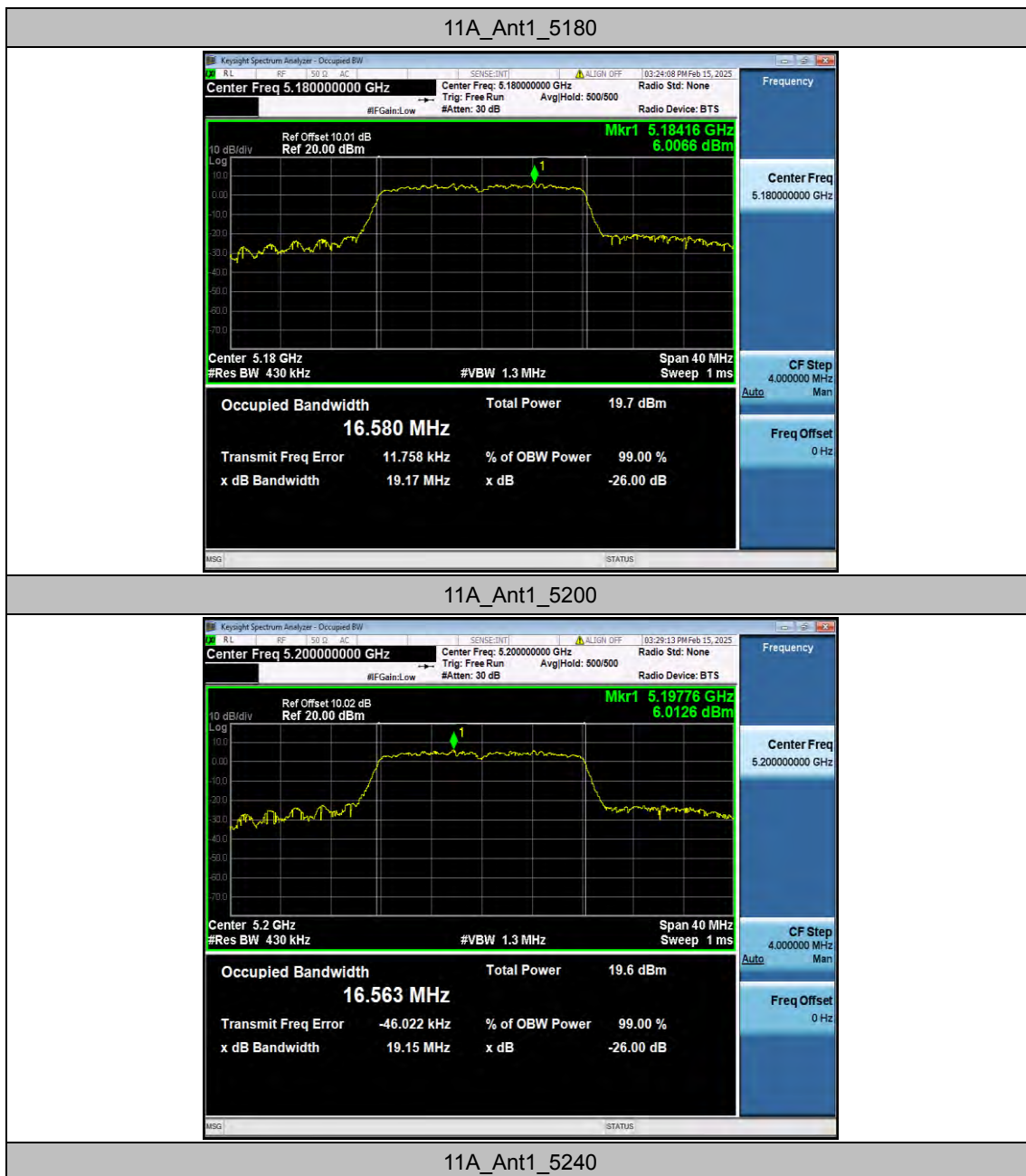


Appendix D.2: Occupied channel bandwidth

Test Result

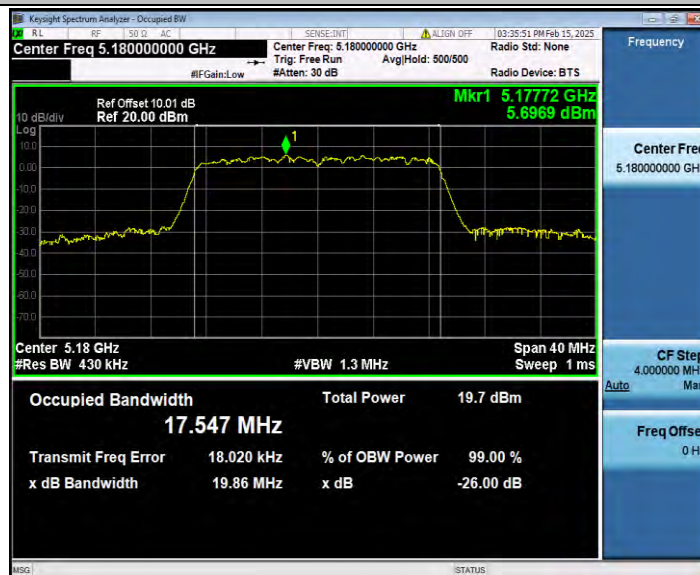
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.580	5171.7218	5188.3018	---	---
		5200	16.563	5191.6725	5208.2355	---	---
		5240	16.693	5231.6291	5248.3221	---	---
11N20SISO	Ant1	5180	17.547	5171.2445	5188.7915	---	---
		5200	17.557	5191.2111	5208.7681	---	---
		5240	17.965	5231.2209	5248.9149	---	---
11N40SISO	Ant1	5190	36.247	5171.9626	5208.2096	---	---
		5230	36.392	5211.8316	5248.2236	---	---
11AC20SISO	Ant1	5180	17.879	5171.0888	5188.9678	---	---
		5200	17.900	5191.0402	5208.9402	---	---
		5240	17.928	5231.0292	5248.9572	---	---
11AC40SISO	Ant1	5190	36.387	5171.8580	5208.2450	---	---
		5230	36.357	5211.8948	5248.2518	---	---
11AC80SISO	Ant1	5210	75.206	5172.5126	5247.7186	---	---

Test Graphs

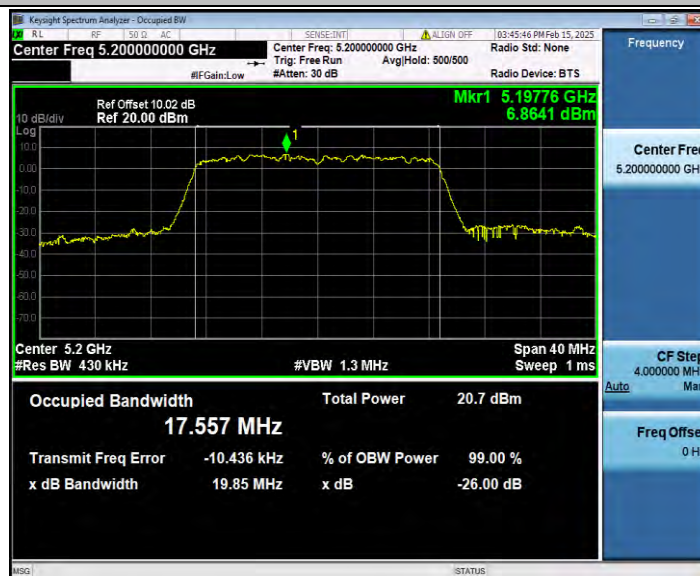




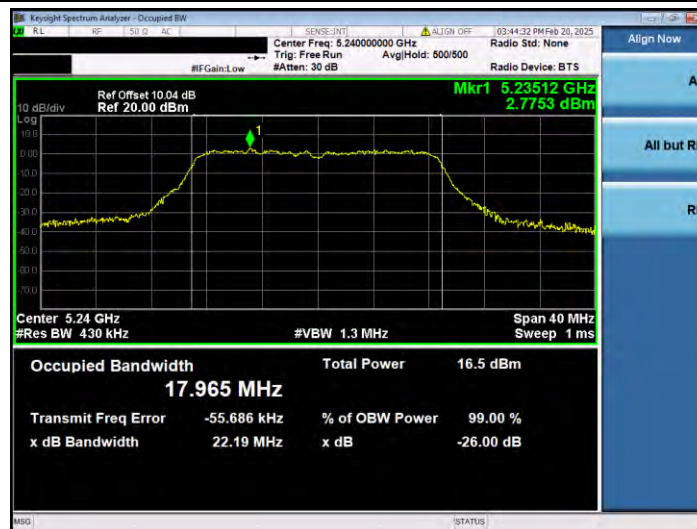
11N20SISO_Ant1_5180



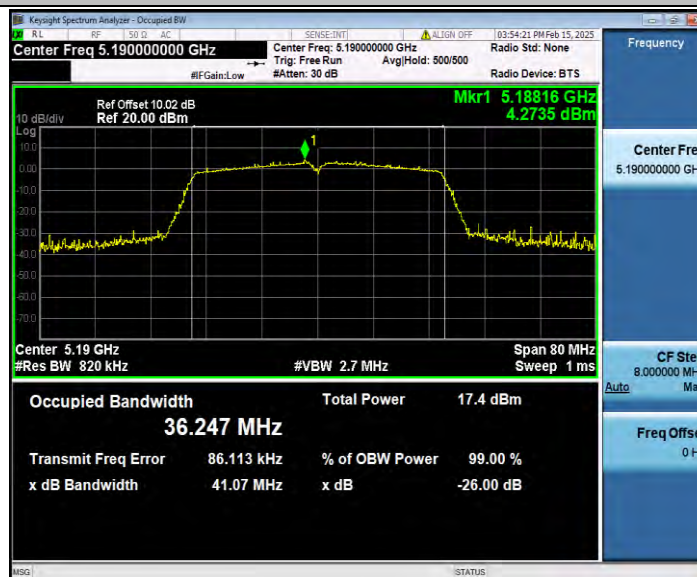
11N20SISO_Ant1_5200



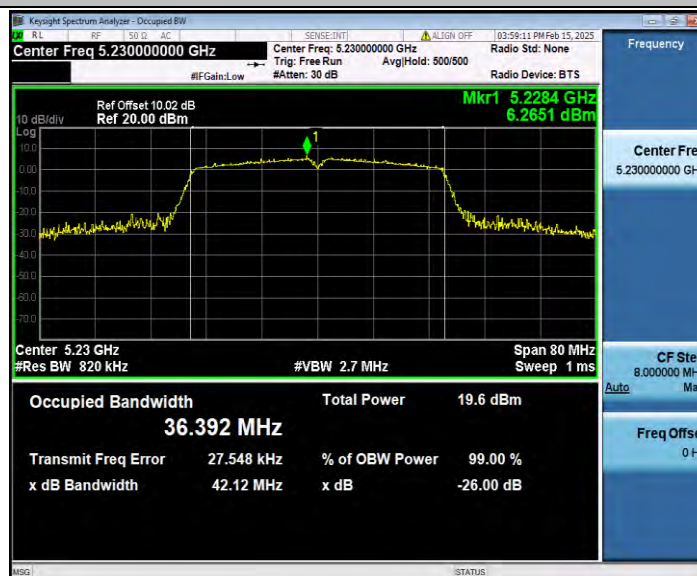
11N20SISO_Ant1_5240



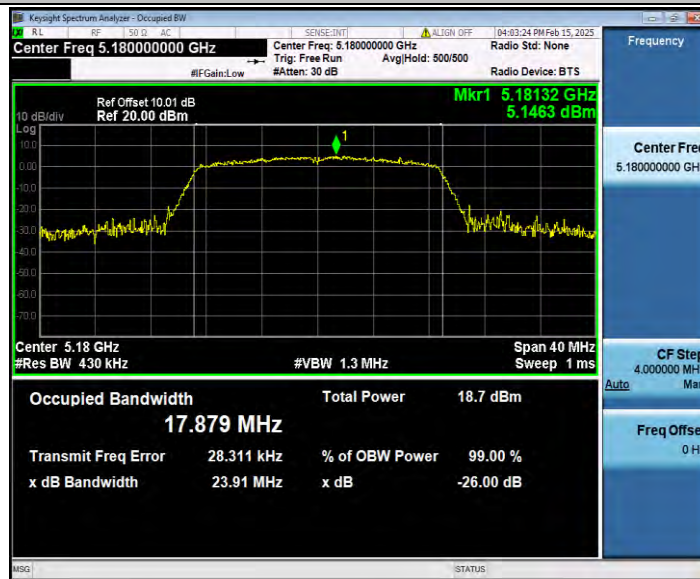
11N40SISO_Ant1_5190



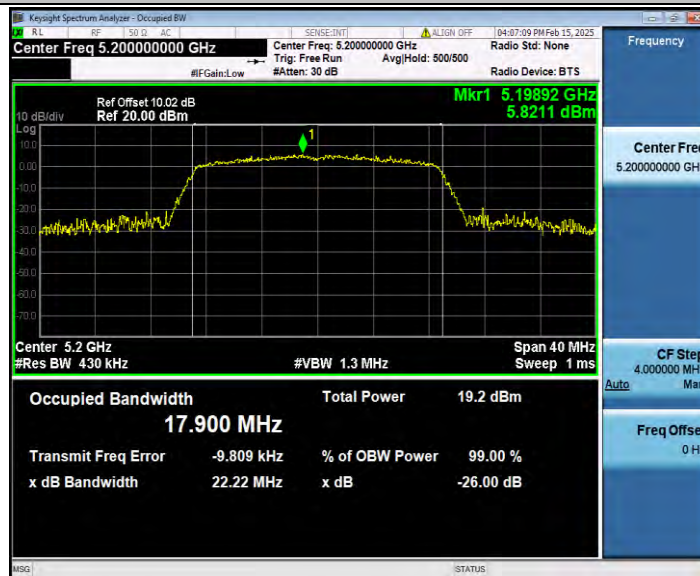
11N40SISO_Ant1_5230



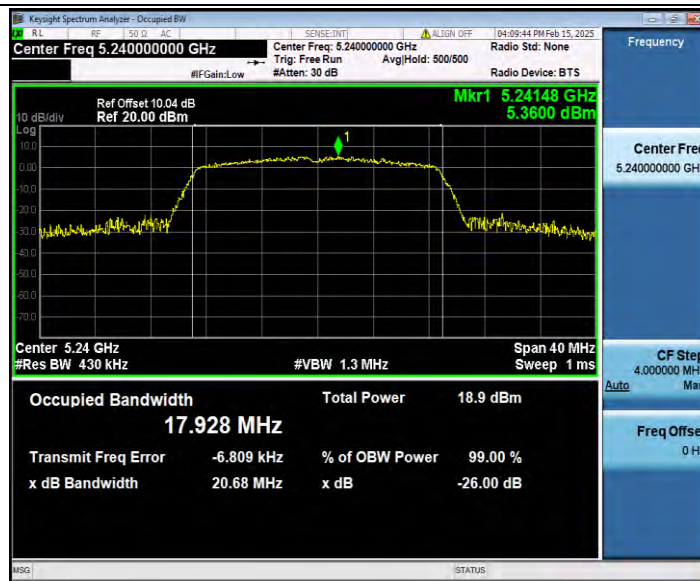
11AC20SISO_Ant1_5180



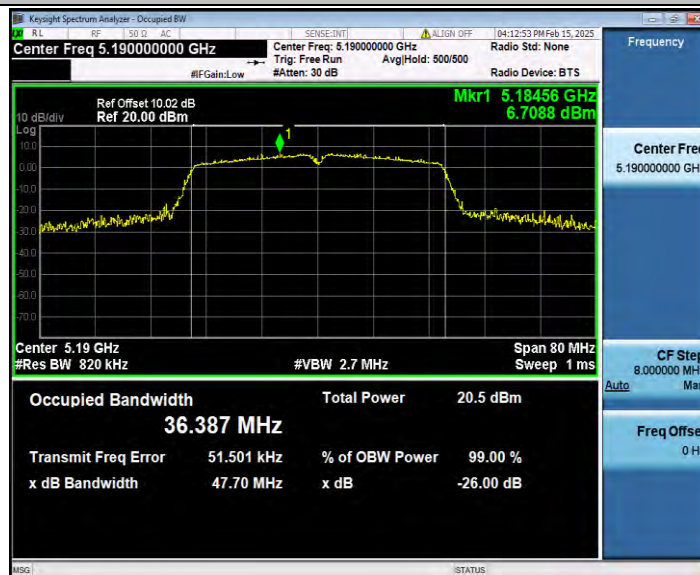
11AC20SISO_Ant1_5200



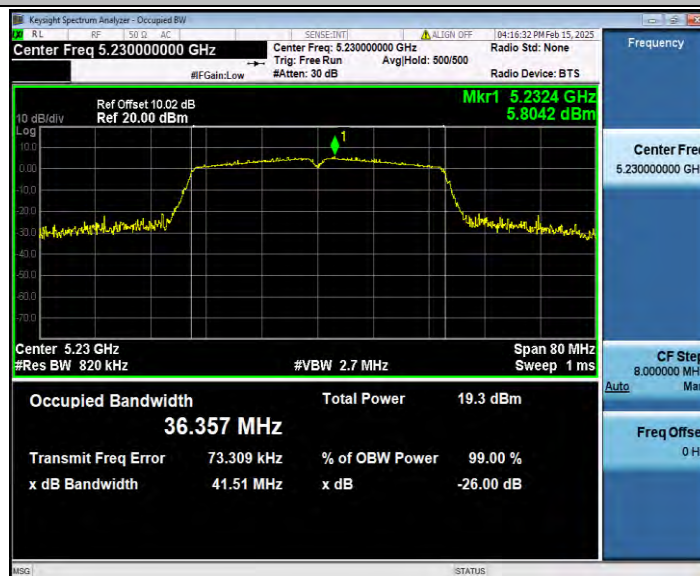
11AC20SISO_Ant1_5240

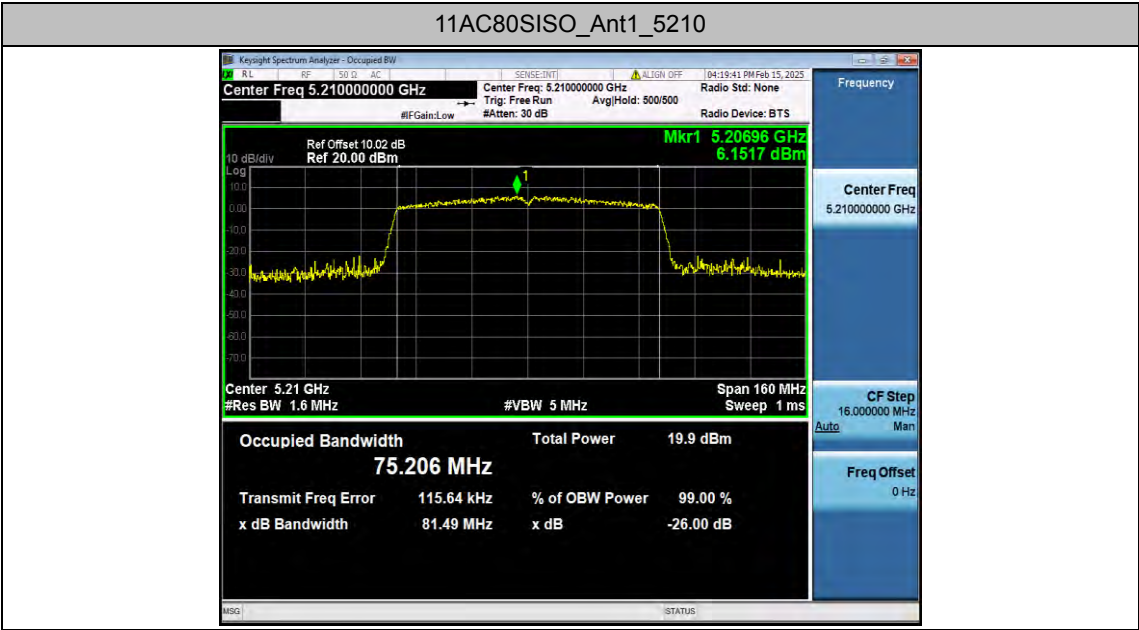


11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230





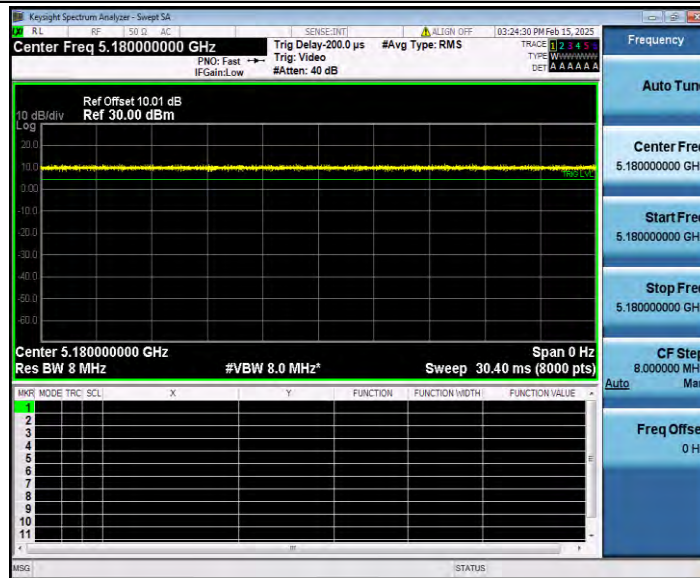
Appendix D.3: Duty Cycle

Test Result

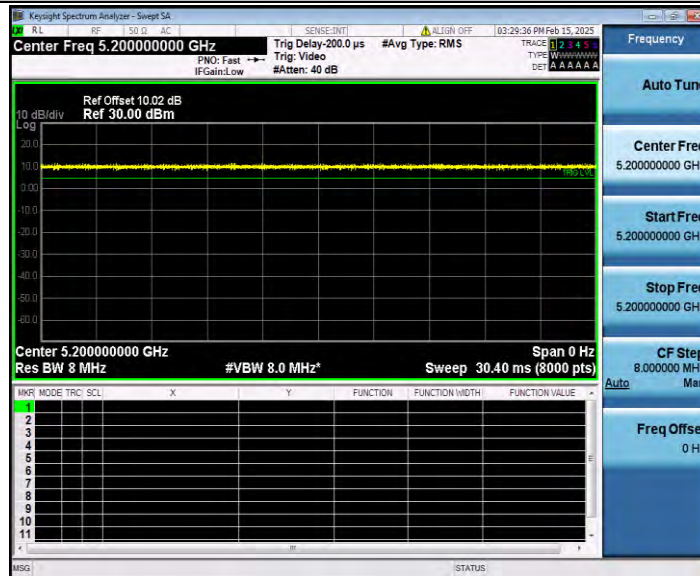
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200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

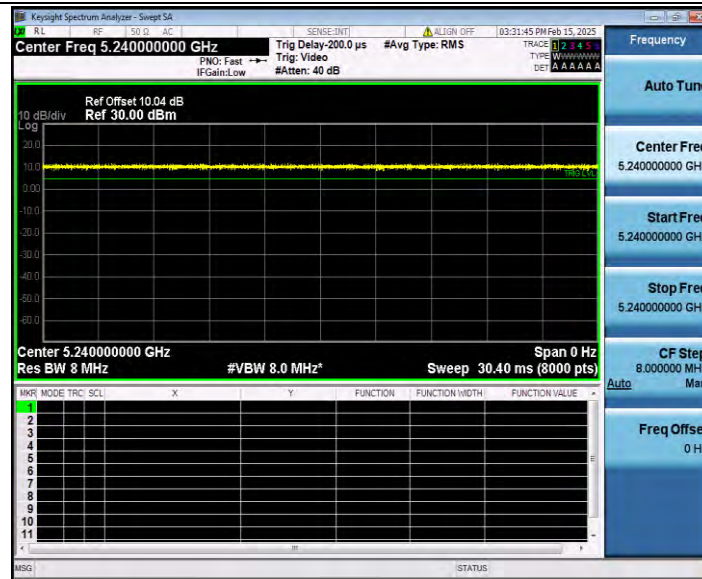
11A_Ant1_5180



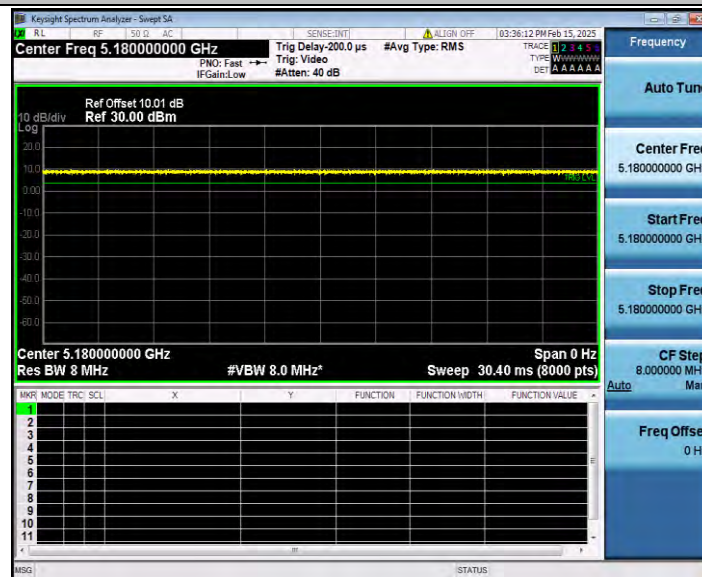
11A_Ant1_5200



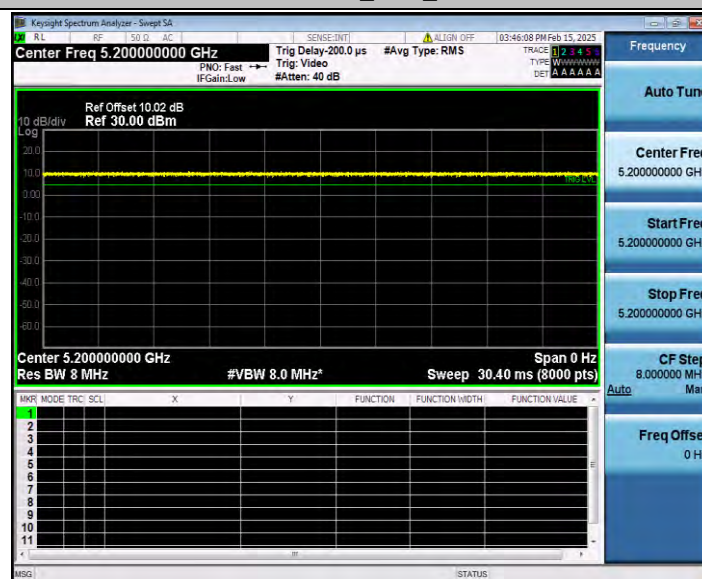
11A_Ant1_5240



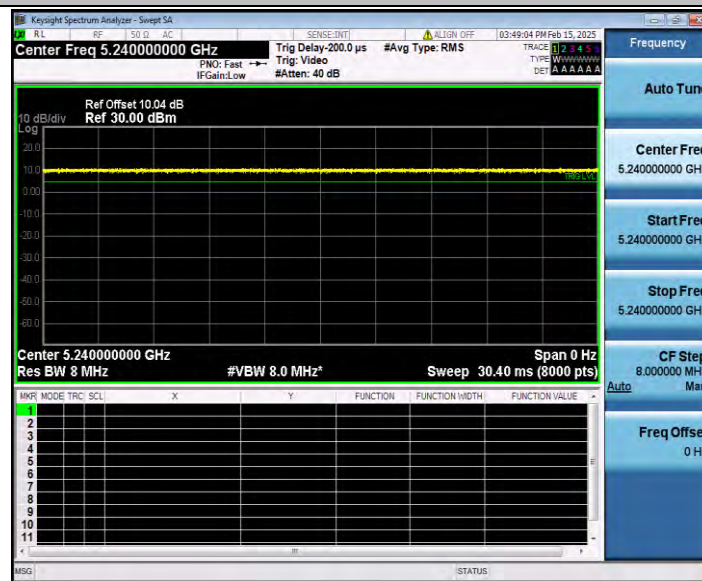
11N20SISO_Ant1_5180



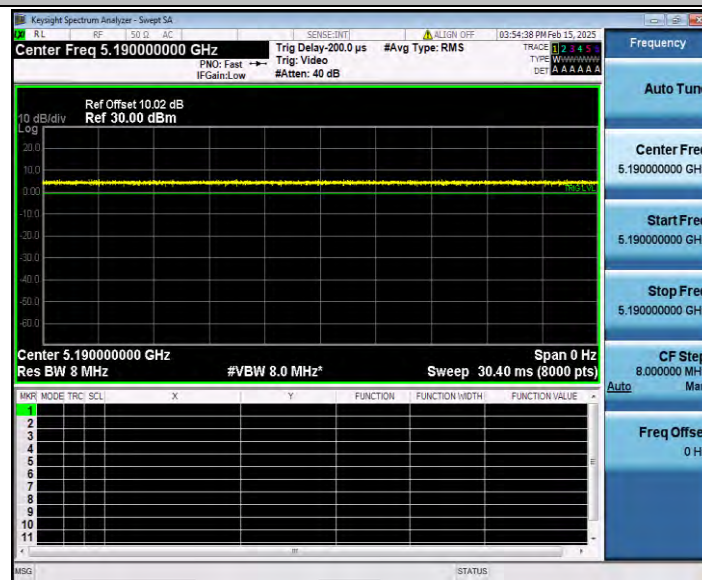
11N20SISO_Ant1_5200



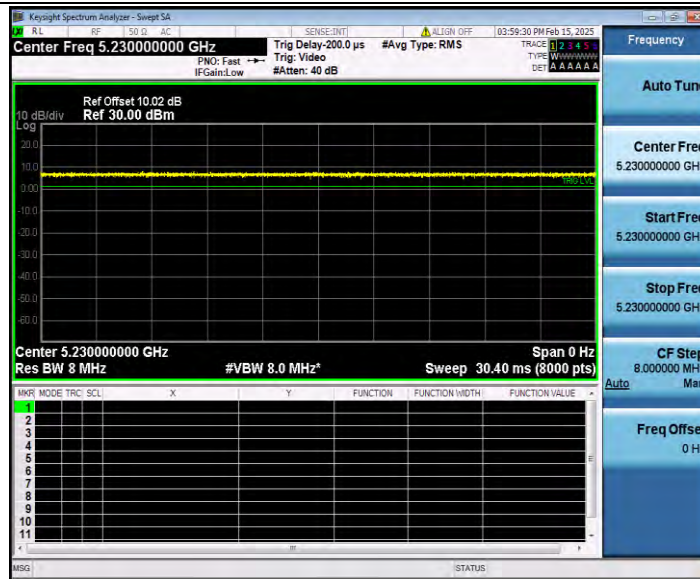
11N20SISO_Ant1_5240



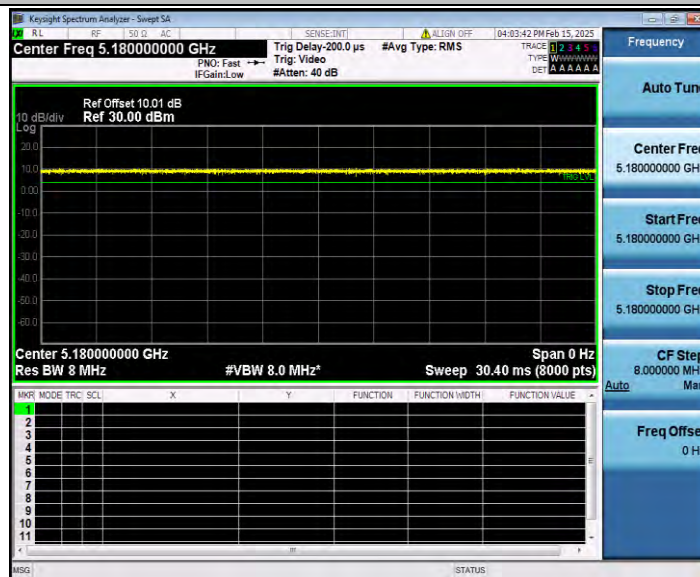
11N40SISO_Ant1_5190



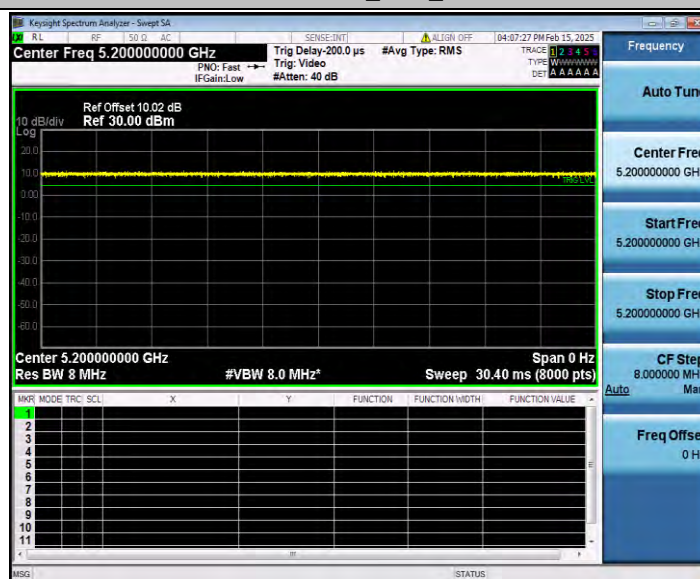
11N40SISO_Ant1_5230



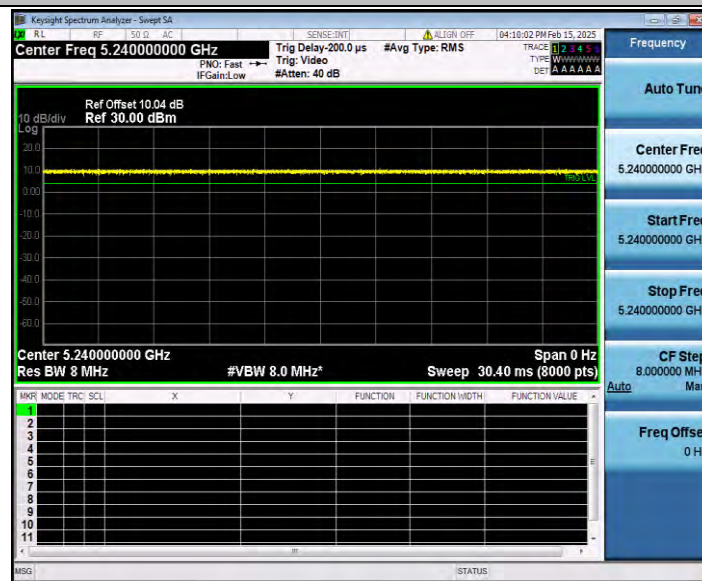
11AC20SISO_Ant1_5180



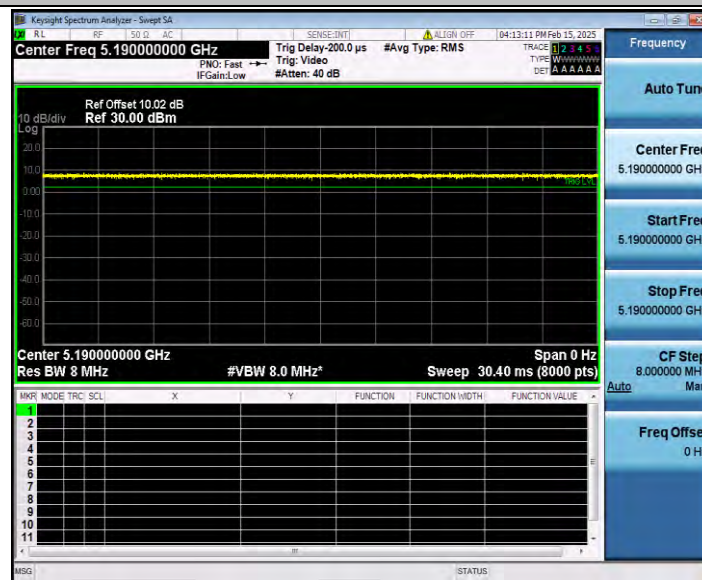
11AC20SISO_Ant1_5200



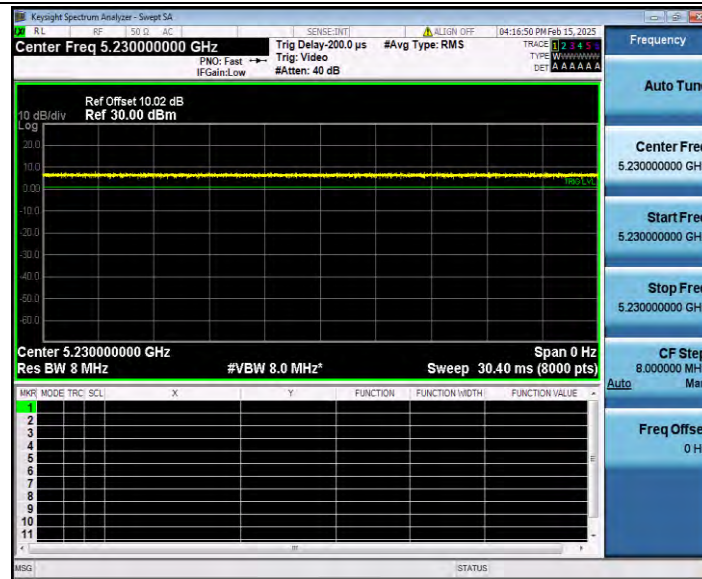
11AC20SISO_Ant1_5240



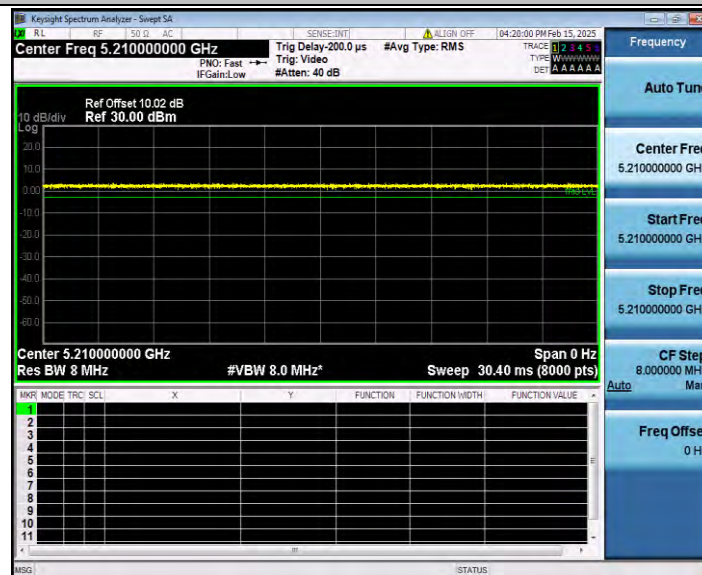
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



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	13.03	100.00	0.00	13.03	≤23.98	PASS
		5200	13.10	100.00	0.00	13.10	≤23.98	PASS
		5240	13.42	100.00	0.00	13.42	≤23.98	PASS
11N20SISO	Ant1	5180	12.41	100.00	0.00	12.41	≤23.98	PASS
		5200	13.30	100.00	0.00	13.30	≤23.98	PASS
		5240	13.44	100.00	0.00	13.44	≤23.98	PASS
11N40SISO	Ant1	5190	12.91	100.00	0.00	12.91	≤23.98	PASS
		5230	12.19	100.00	0.00	12.19	≤23.98	PASS
11AC20SISO	Ant1	5180	11.95	100.00	0.00	11.95	≤23.98	PASS
		5200	12.43	100.00	0.00	12.43	≤23.98	PASS
		5240	11.99	100.00	0.00	11.99	≤23.98	PASS
11AC40SISO	Ant1	5190	13.05	100.00	0.00	13.05	≤23.98	PASS
		5230	11.93	100.00	0.00	11.93	≤23.98	PASS
11AC80SISO	Ant1	5210	10.82	100.00	0.00	10.82	≤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	1.35	≤11.00	PASS
		5200	1.42	≤11.00	PASS
		5240	1.83	≤11.00	PASS
11N20SISO	Ant1	5180	0.52	≤11.00	PASS
		5200	1.26	≤11.00	PASS
		5240	1.49	≤11.00	PASS
11N40SISO	Ant1	5190	-3.61	≤11.00	PASS
		5230	-1.31	≤11.00	PASS
11AC20SISO	Ant1	5180	1.12	≤11.00	PASS
		5200	1.56	≤11.00	PASS
		5240	1.16	≤11.00	PASS
11AC40SISO	Ant1	5190	-0.40	≤11.00	PASS
		5230	-1.58	≤11.00	PASS
11AC80SISO	Ant1	5210	-5.63	≤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



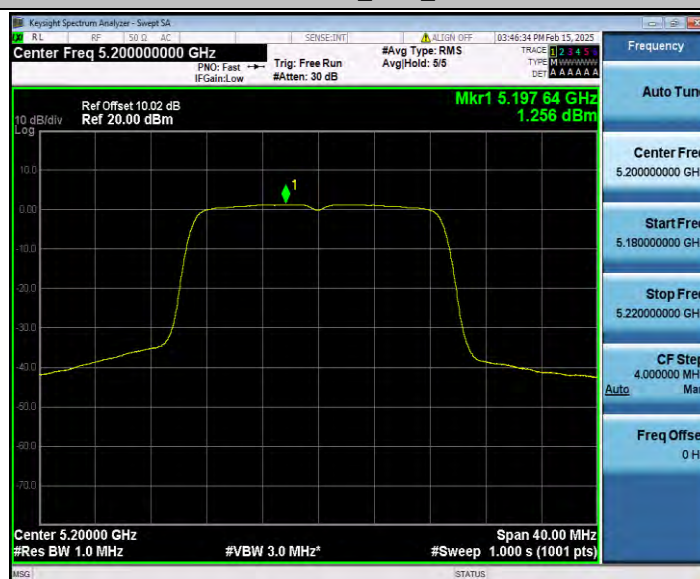
11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



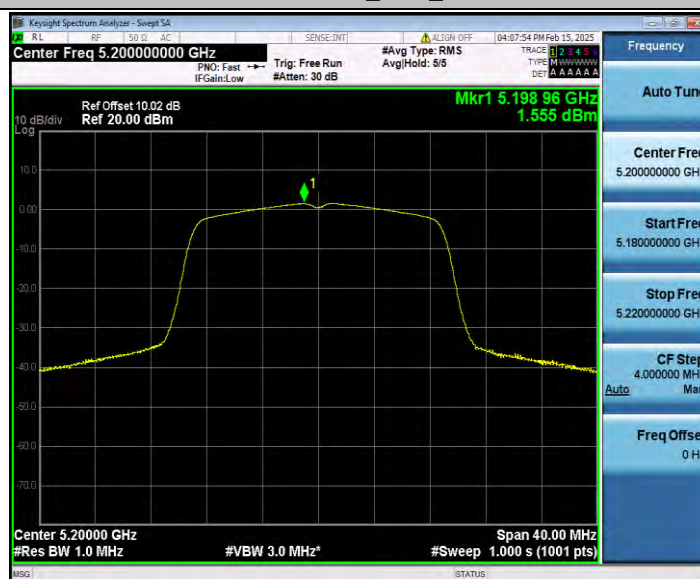
11N40SISO_Ant1_5230



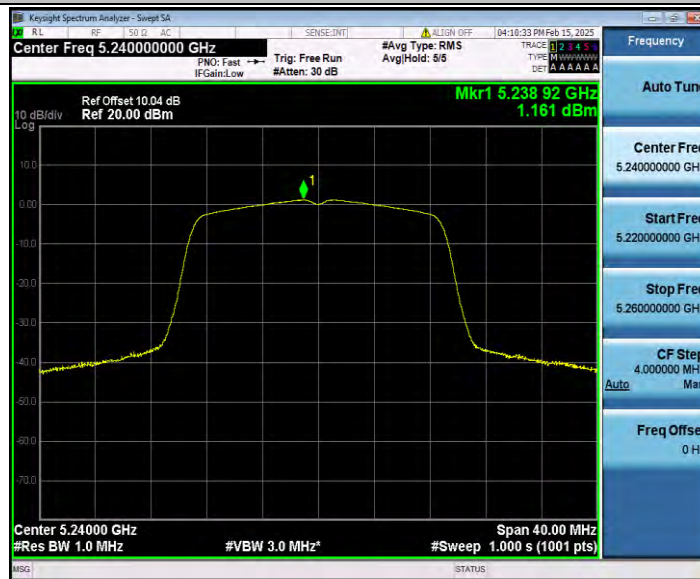
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

