

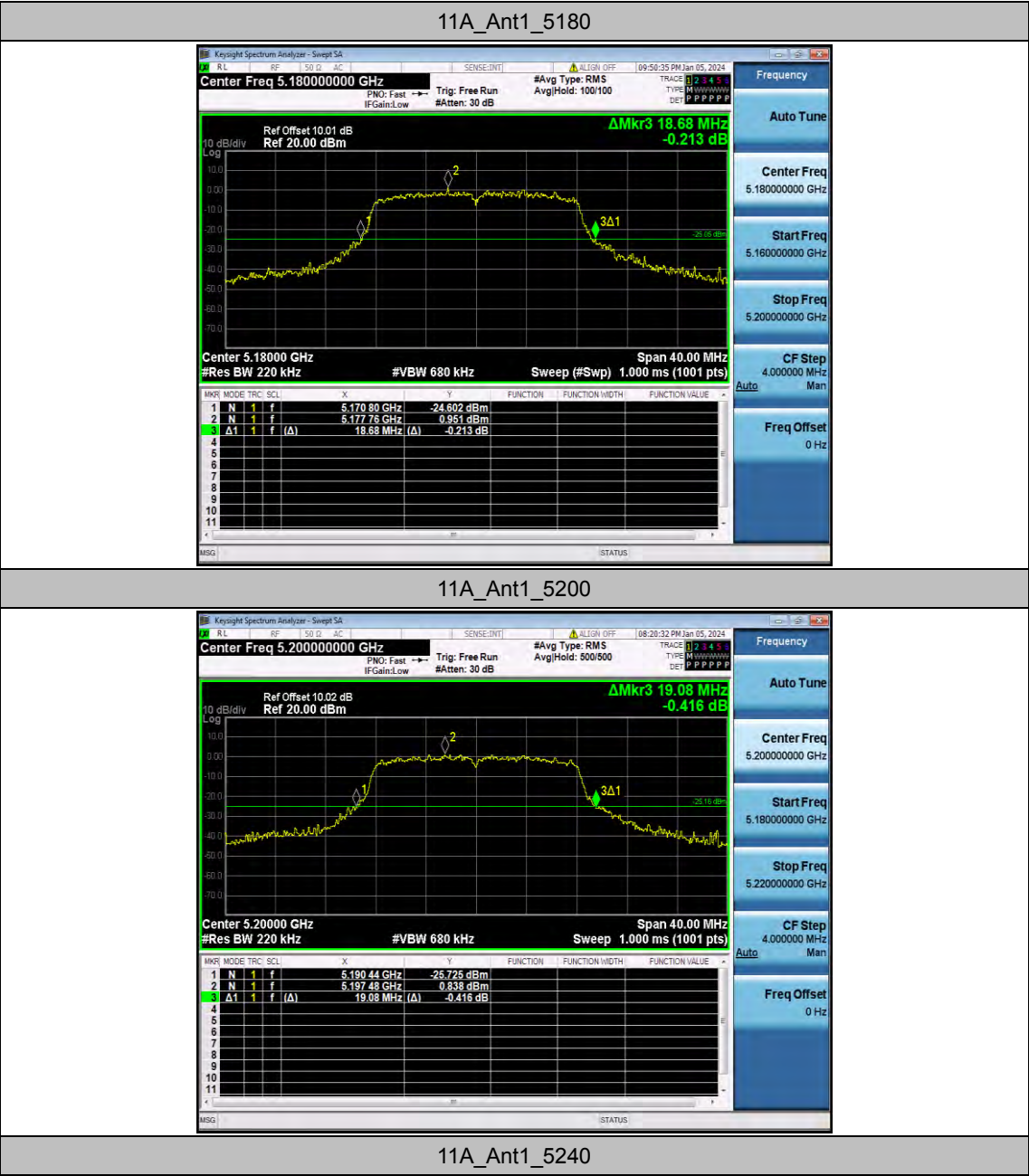
Case No. : <u>GTS20240102003-1-4</u>	
Ambient Condition: <u>23</u> °C, <u>48</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.1.5</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.680	5170.800	5189.480	---	---
		5200	19.080	5190.440	5209.520	---	---
		5240	19.360	5230.200	5249.560	---	---
11N20SISO	Ant1	5180	20.480	5169.720	5190.200	---	---
		5200	20.200	5190.080	5210.280	---	---
		5240	20.240	5229.720	5249.960	---	---
11N40SISO	Ant1	5190	41.760	5169.600	5211.360	---	---
		5230	40.000	5209.920	5249.920	---	---
11AC20SISO	Ant1	5180	20.280	5169.760	5190.040	---	---
		5200	20.200	5189.680	5209.880	---	---
		5240	20.480	5229.600	5250.080	---	---
11AC40SISO	Ant1	5190	41.200	5169.520	5210.720	---	---
		5230	41.040	5209.520	5250.560	---	---
11AC80SISO	Ant1	5210	82.240	5168.880	5251.120	---	---

Test Graphs





11N20SISO_Ant1_5180



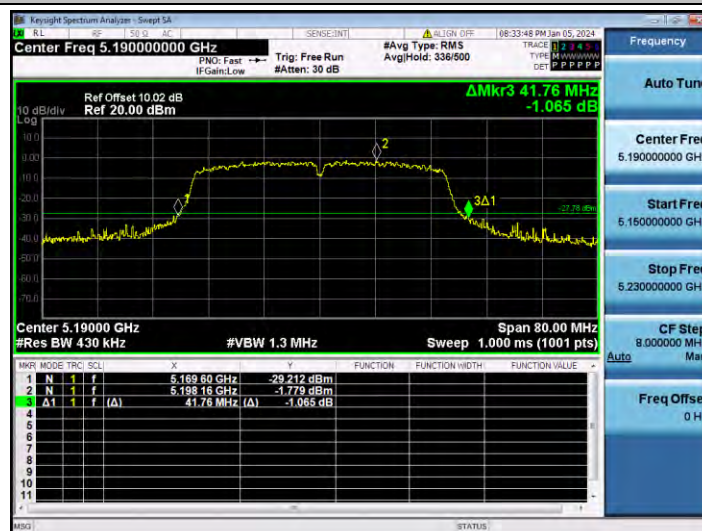
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230







11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



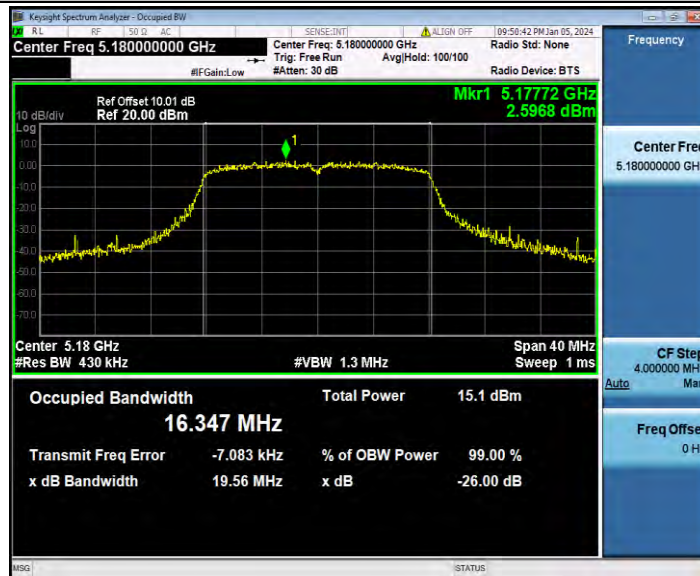
Appendix D.2: Occupied channel bandwidth

Test Result

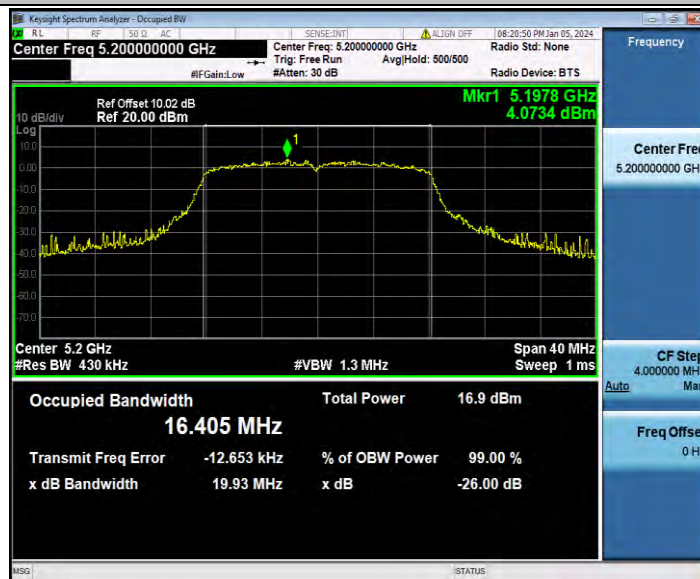
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.347	5171.8194	5188.1664	---	---
		5200	16.405	5191.7849	5208.1899	---	---
		5240	16.419	5231.7684	5248.1874	---	---
11N20SISO	Ant1	5180	17.489	5171.2558	5188.7448	---	---
		5200	17.475	5191.2609	5208.7359	---	---
		5240	17.484	5231.2445	5248.7285	---	---
11N40SISO	Ant1	5190	36.050	5172.0578	5208.1078	---	---
		5230	35.986	5211.9987	5247.9847	---	---
11AC20SISO	Ant1	5180	17.488	5171.2597	5188.7477	---	---
		5200	17.477	5191.2567	5208.7337	---	---
		5240	17.475	5231.2381	5248.7131	---	---
11AC40SISO	Ant1	5190	35.949	5172.0767	5208.0257	---	---
		5230	35.950	5212.0012	5247.9512	---	---
11AC80SISO	Ant1	5210	74.742	5172.6550	5247.3970	---	---

Test Graphs

11A_Ant1_5180



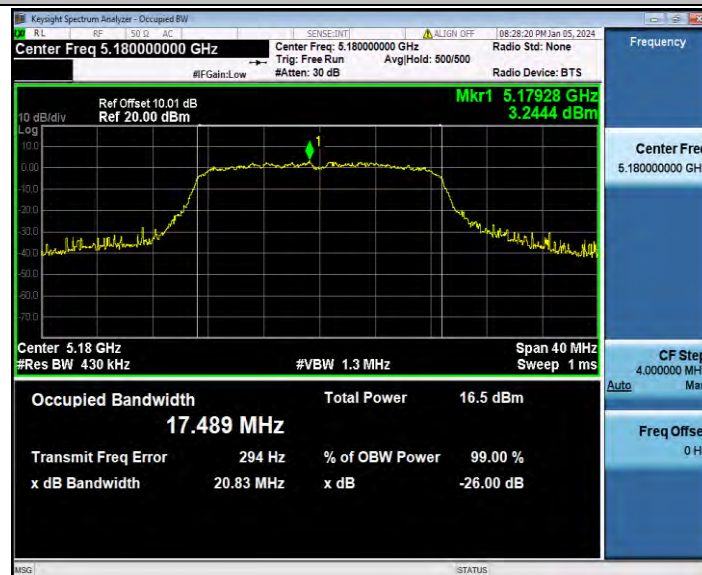
11A_Ant1_5200



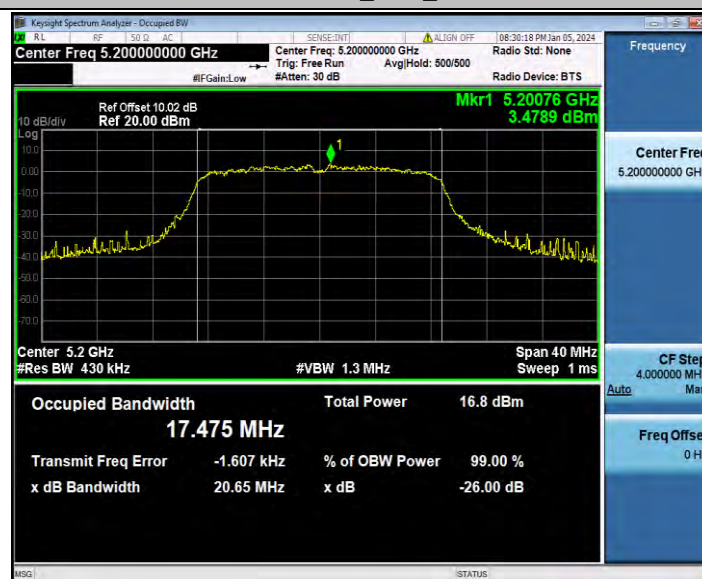
11A_Ant1_5240



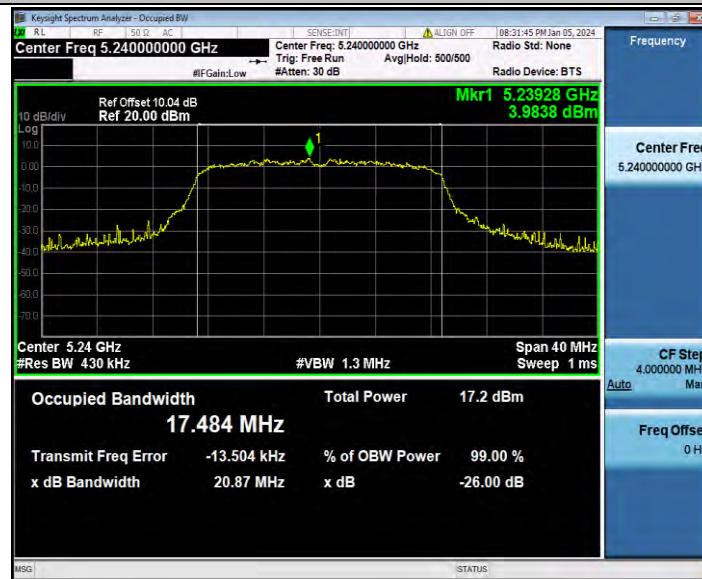
11N20SISO_Ant1_5180



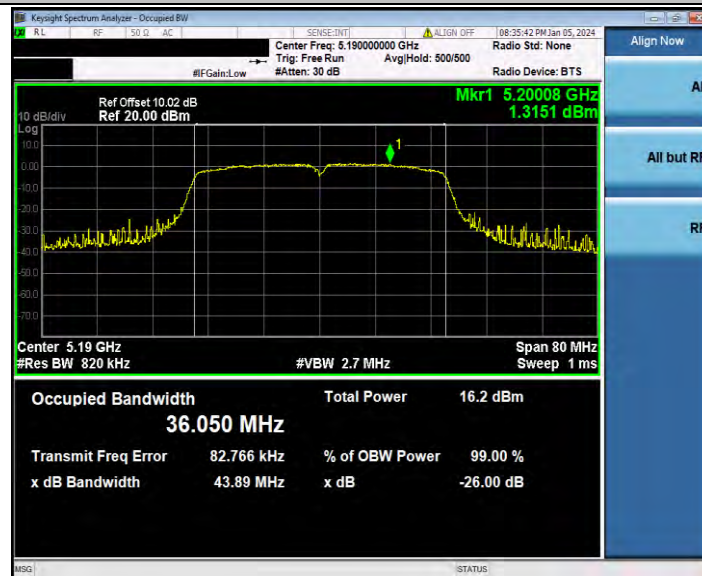
11N20SISO_Ant1_5200



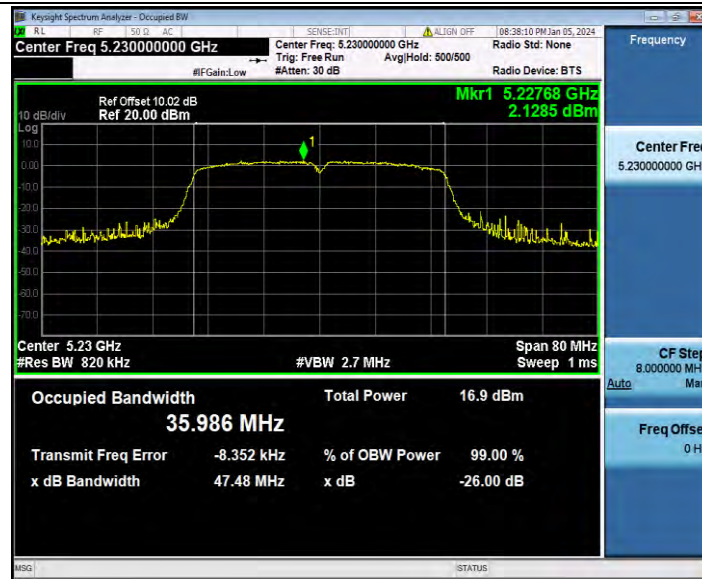
11N20SISO_Ant1_5240



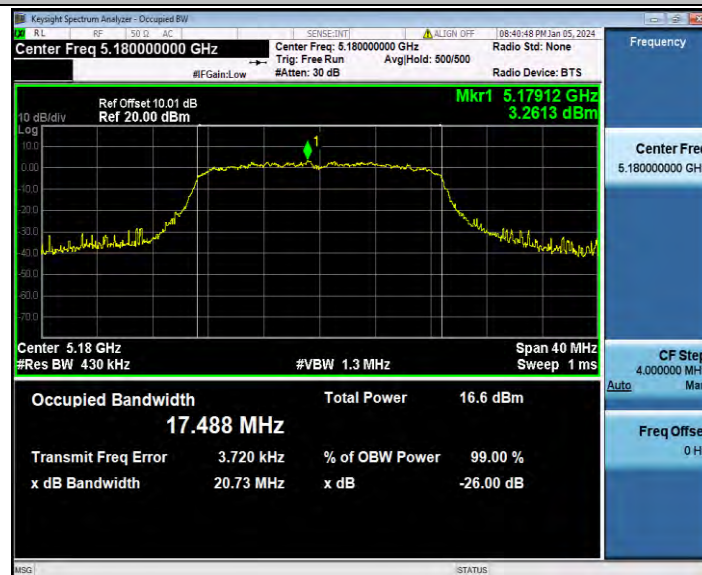
11N40SISO_Ant1_5190



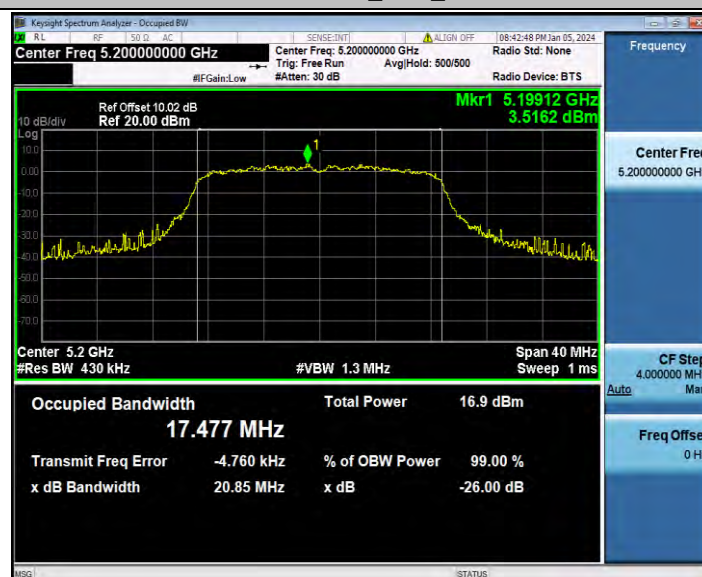
11N40SISO_Ant1_5230



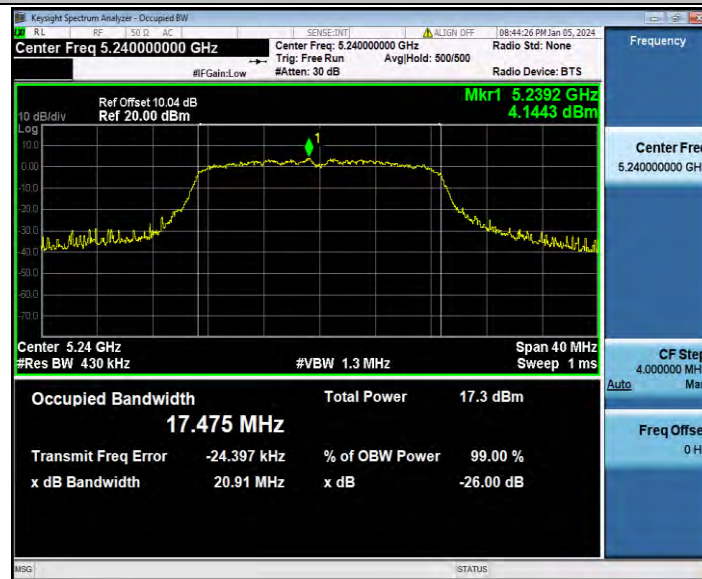
11AC20SISO_Ant1_5180



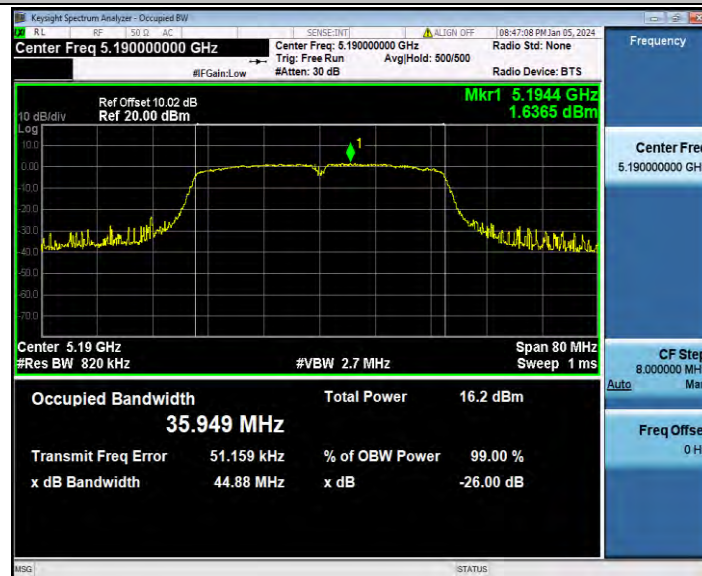
11AC20SISO_Ant1_5200



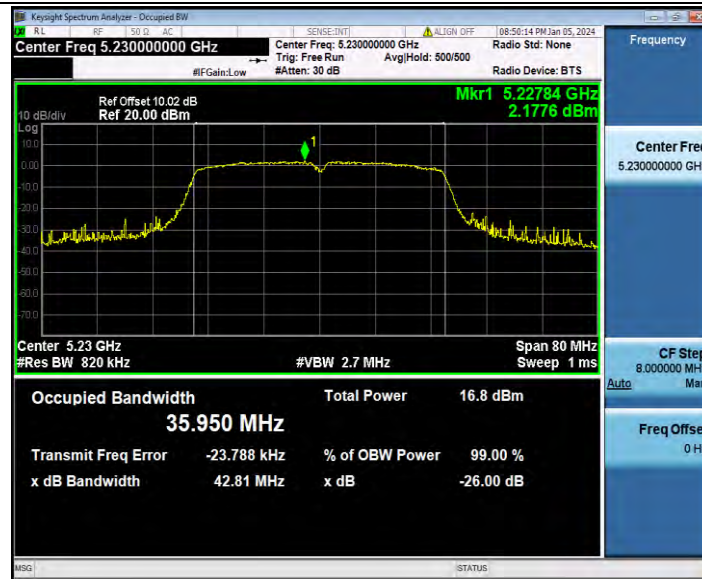
11AC20SISO_Ant1_5240



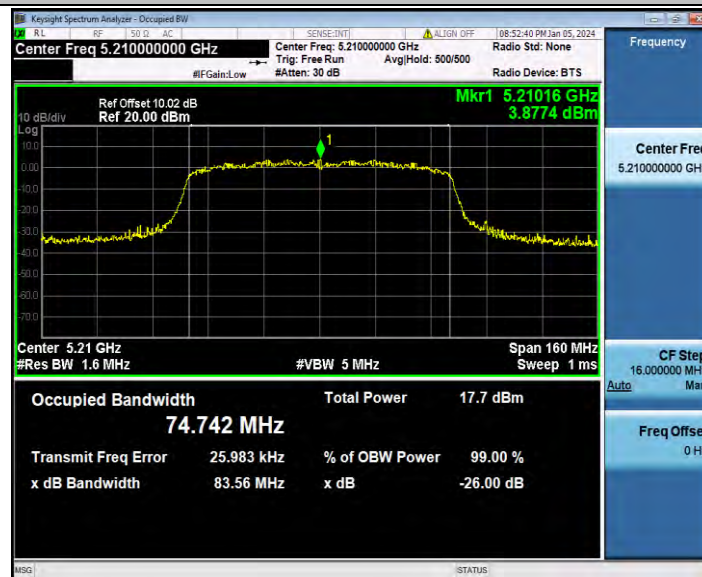
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

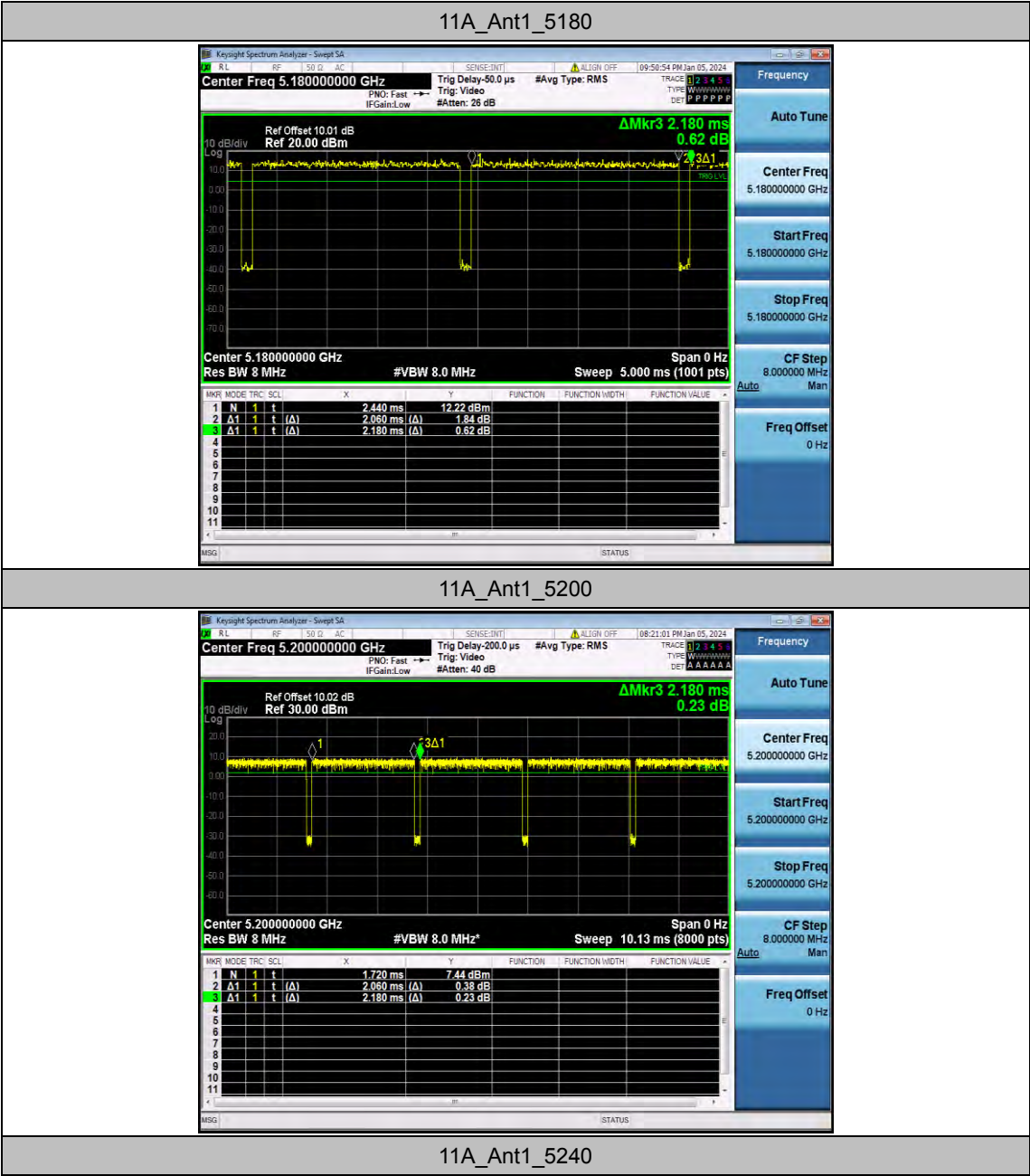


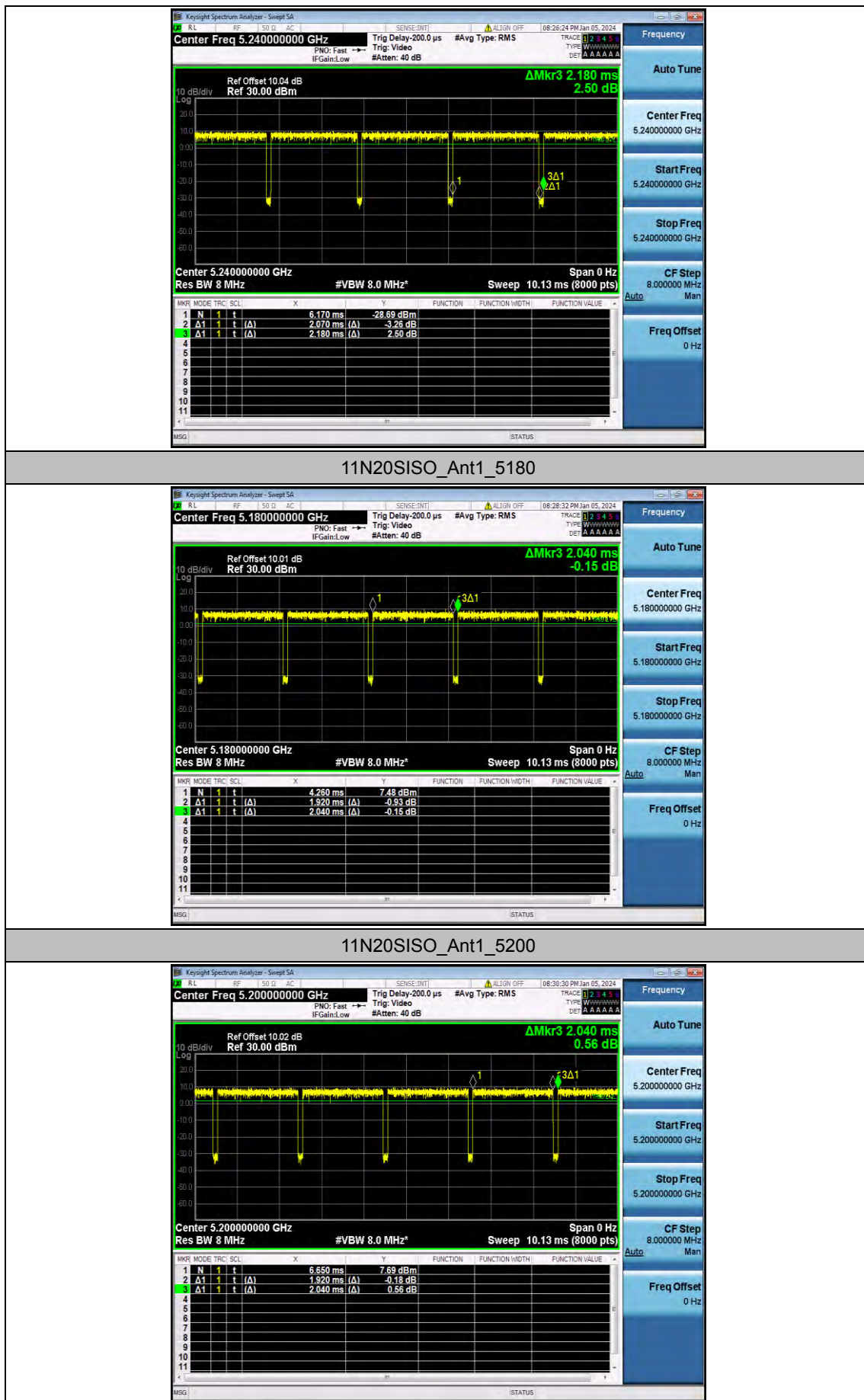
Appendix D.3: Duty Cycle

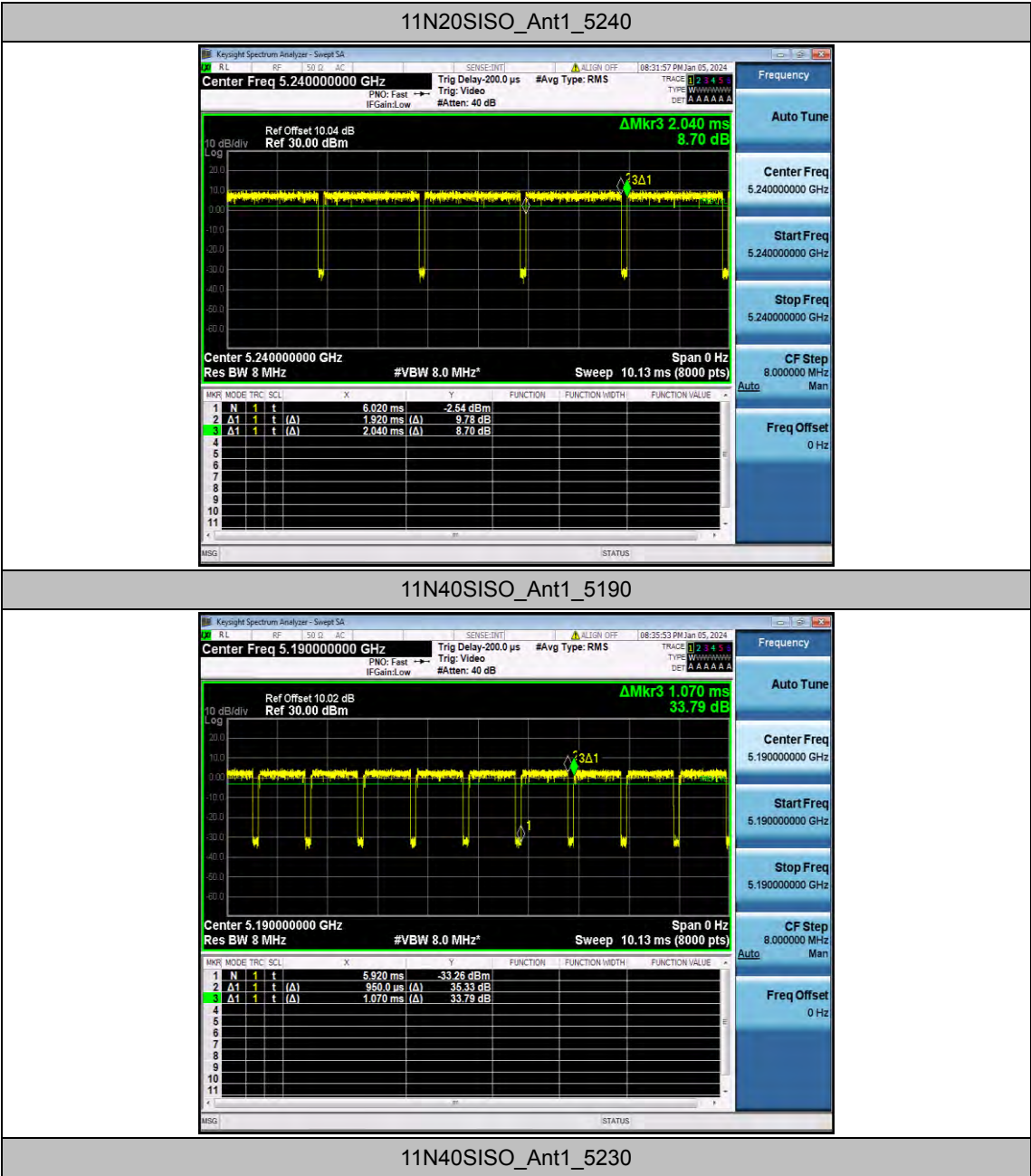
Test Result

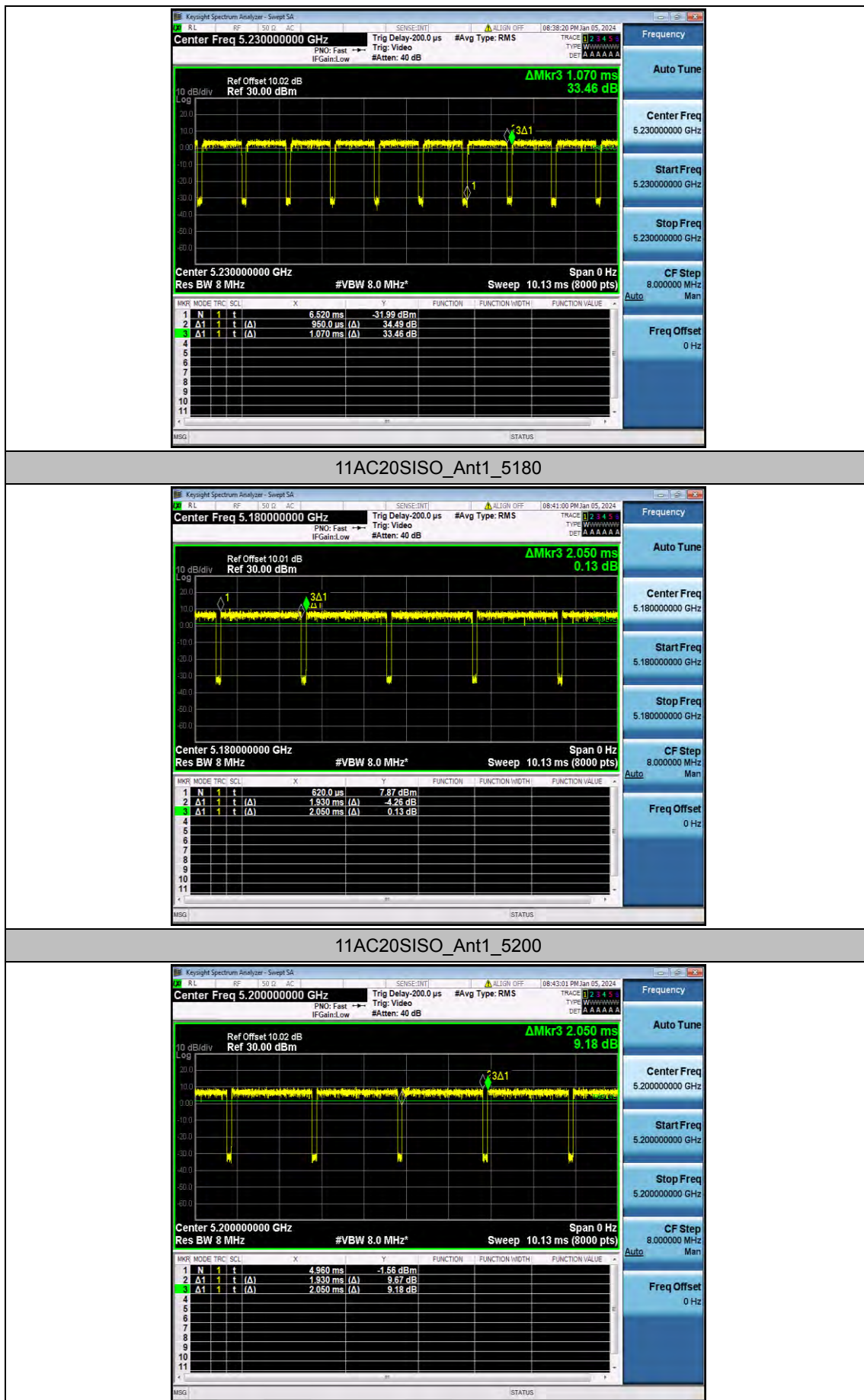
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.06	2.18	94.50	0.25	0.49
		5200	2.06	2.18	94.50	0.25	0.49
		5240	2.07	2.18	94.95	0.23	0.48
11N20SISO	Ant1	5180	1.92	2.04	94.12	0.26	0.52
		5200	1.92	2.04	94.12	0.26	0.52
		5240	1.92	2.04	94.12	0.26	0.52
11N40SISO	Ant1	5190	0.95	1.07	88.79	0.52	1.05
		5230	0.95	1.07	88.79	0.52	1.05
11AC20SISO	Ant1	5180	1.93	2.05	94.15	0.26	0.52
		5200	1.93	2.05	94.15	0.26	0.52
		5240	1.93	2.05	94.15	0.26	0.52
11AC40SISO	Ant1	5190	0.95	1.06	89.62	0.48	1.05
		5230	0.95	1.07	88.79	0.52	1.05
11AC80SISO	Ant1	5210	0.46	0.58	79.31	1.01	2.17

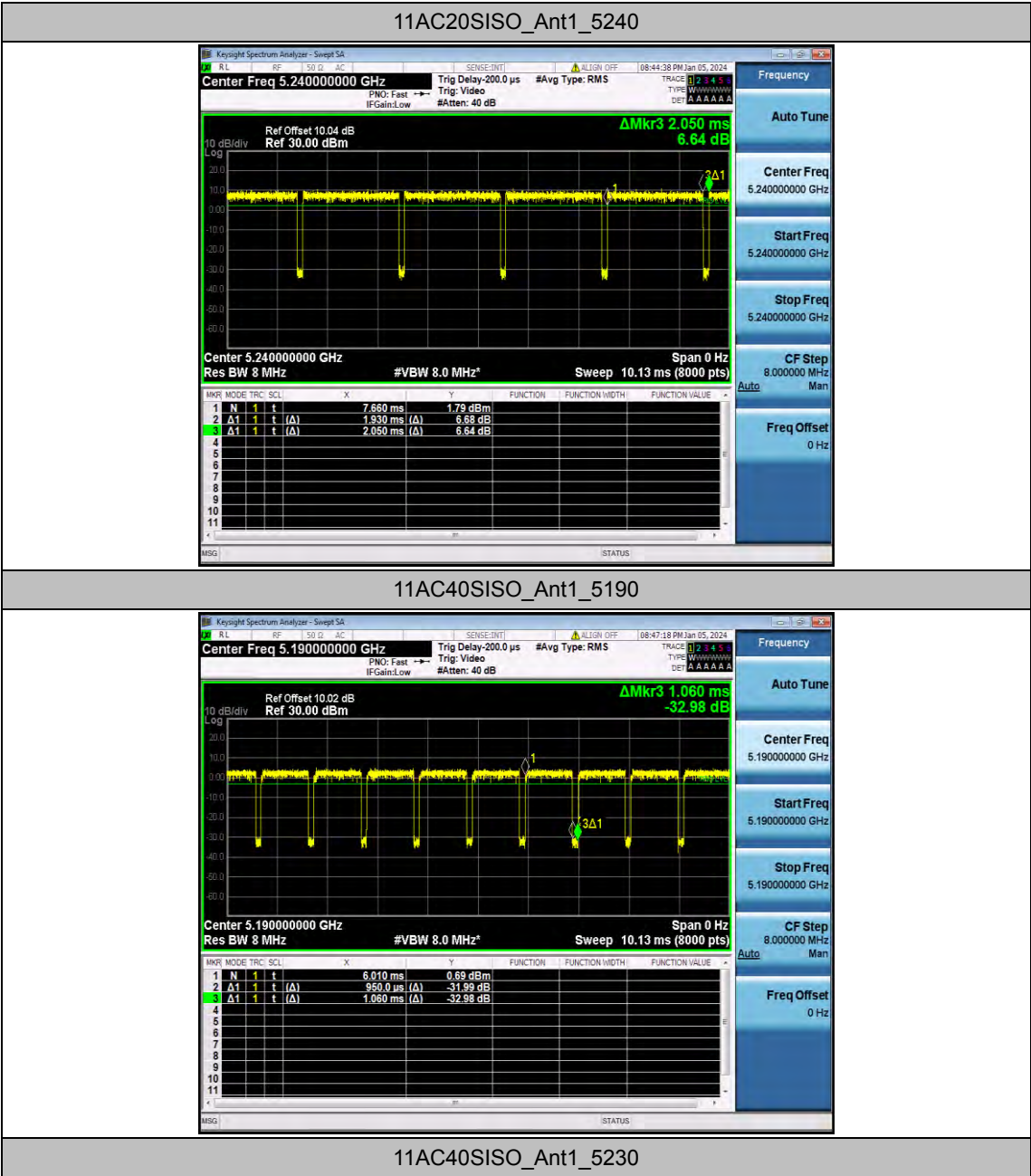
Test Graphs

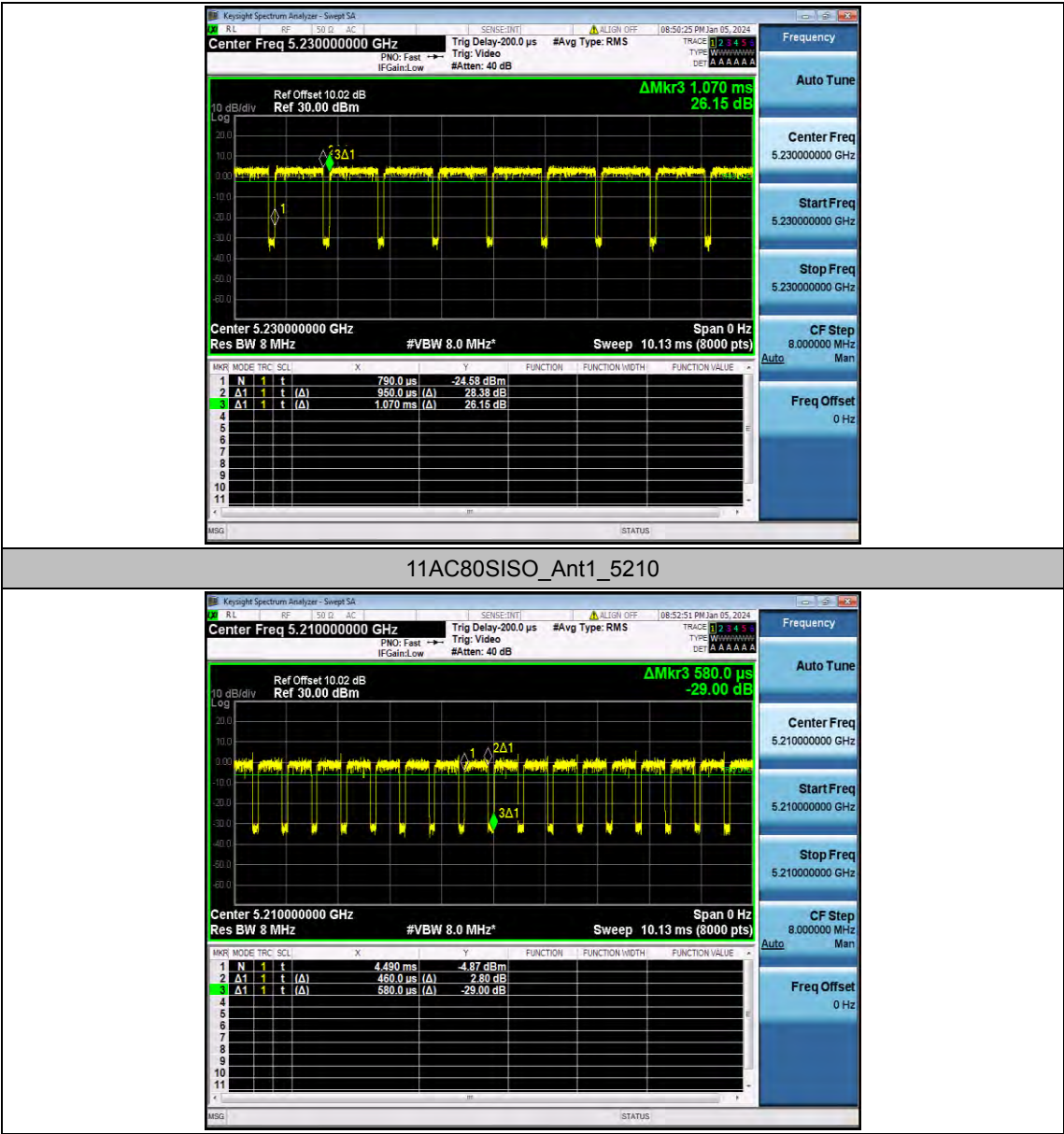












Appendix D.4: Maximum conducted output power

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	9.25	94.50	0.25	9.50	≤23.98	PASS
		5200	9.84	94.50	0.25	10.09	≤23.98	PASS
		5240	10.16	94.95	0.23	10.39	≤23.98	PASS
11N20SISO	Ant1	5180	9.36	94.12	0.26	9.62	≤23.98	PASS
		5200	9.67	94.12	0.26	9.93	≤23.98	PASS
		5240	9.97	94.12	0.26	10.23	≤23.98	PASS
11N40SISO	Ant1	5190	8.31	88.79	0.52	8.83	≤23.98	PASS
		5230	9.01	88.79	0.52	9.53	≤23.98	PASS
11AC20SISO	Ant1	5180	9.49	94.15	0.26	9.75	≤23.98	PASS
		5200	9.74	94.15	0.26	10.00	≤23.98	PASS
		5240	10.15	94.15	0.26	10.41	≤23.98	PASS
11AC40SISO	Ant1	5190	8.27	89.62	0.48	8.75	≤23.98	PASS
		5230	8.92	88.79	0.52	9.44	≤23.98	PASS
11AC80SISO	Ant1	5210	7.73	79.31	1.01	8.74	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix D.5: Maximum power spectral density

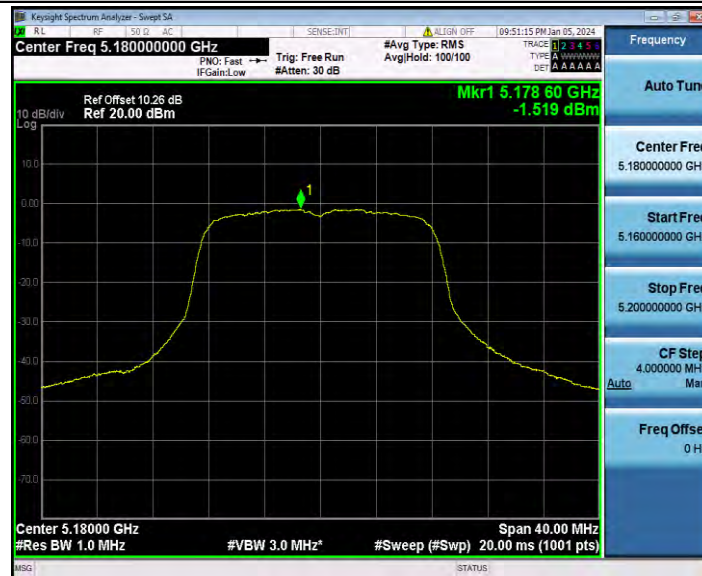
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-1.52	≤11.00	PASS
		5200	-1.00	≤11.00	PASS
		5240	-0.54	≤11.00	PASS
11N20SISO	Ant1	5180	-1.66	≤11.00	PASS
		5200	-1.30	≤11.00	PASS
		5240	-0.91	≤11.00	PASS
11N40SISO	Ant1	5190	-5.43	≤11.00	PASS
		5230	-4.63	≤11.00	PASS
11AC20SISO	Ant1	5180	-1.56	≤11.00	PASS
		5200	-1.29	≤11.00	PASS
		5240	-0.79	≤11.00	PASS
11AC40SISO	Ant1	5190	-5.41	≤11.00	PASS
		5230	-4.72	≤11.00	PASS
11AC80SISO	Ant1	5210	-8.14	≤11.00	PASS

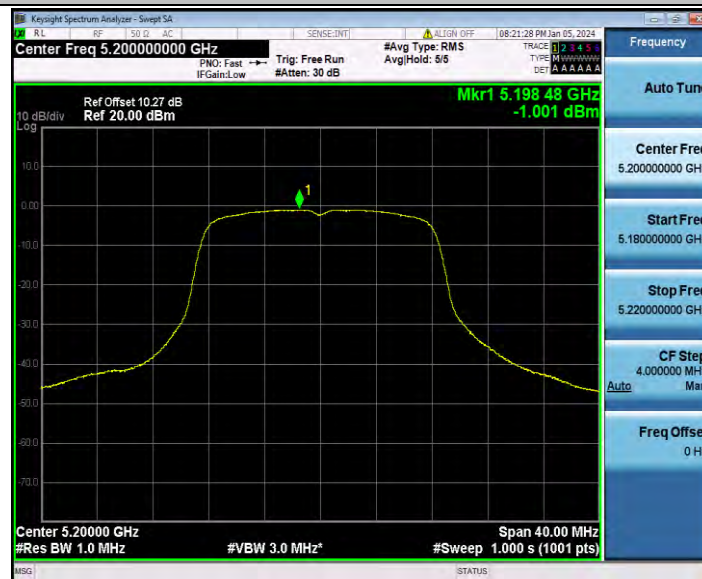
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

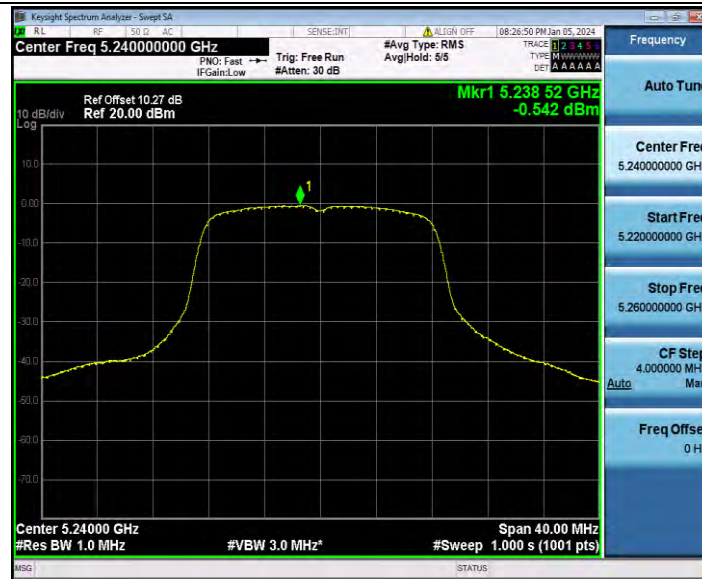
11A_Ant1_5180



11A_Ant1_5200



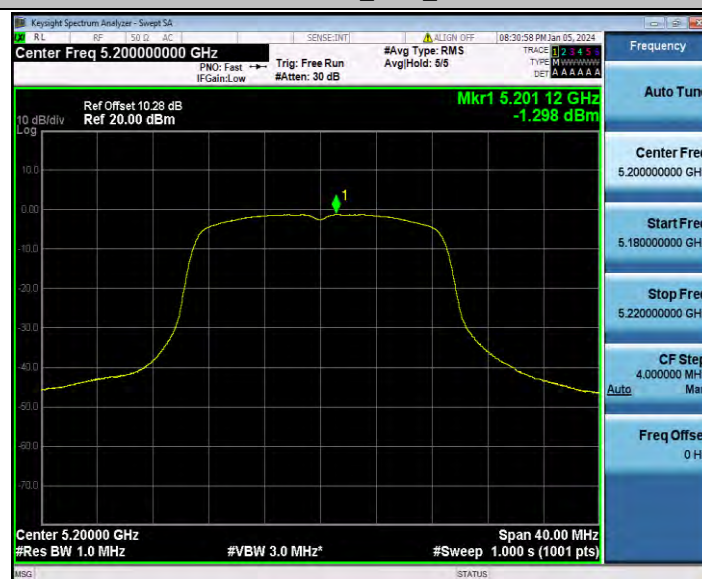
11A_Ant1_5240



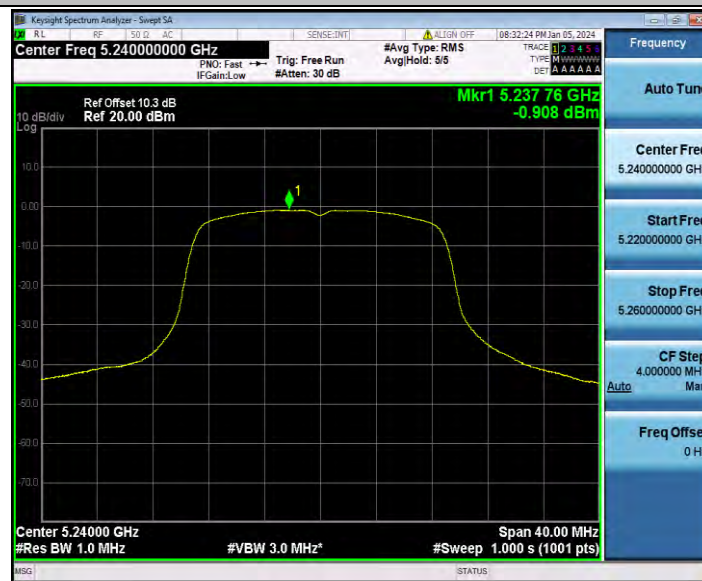
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



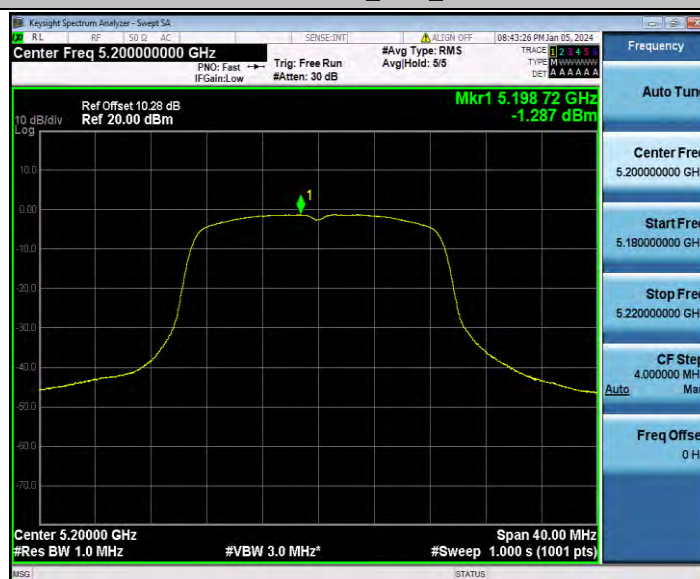
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

