

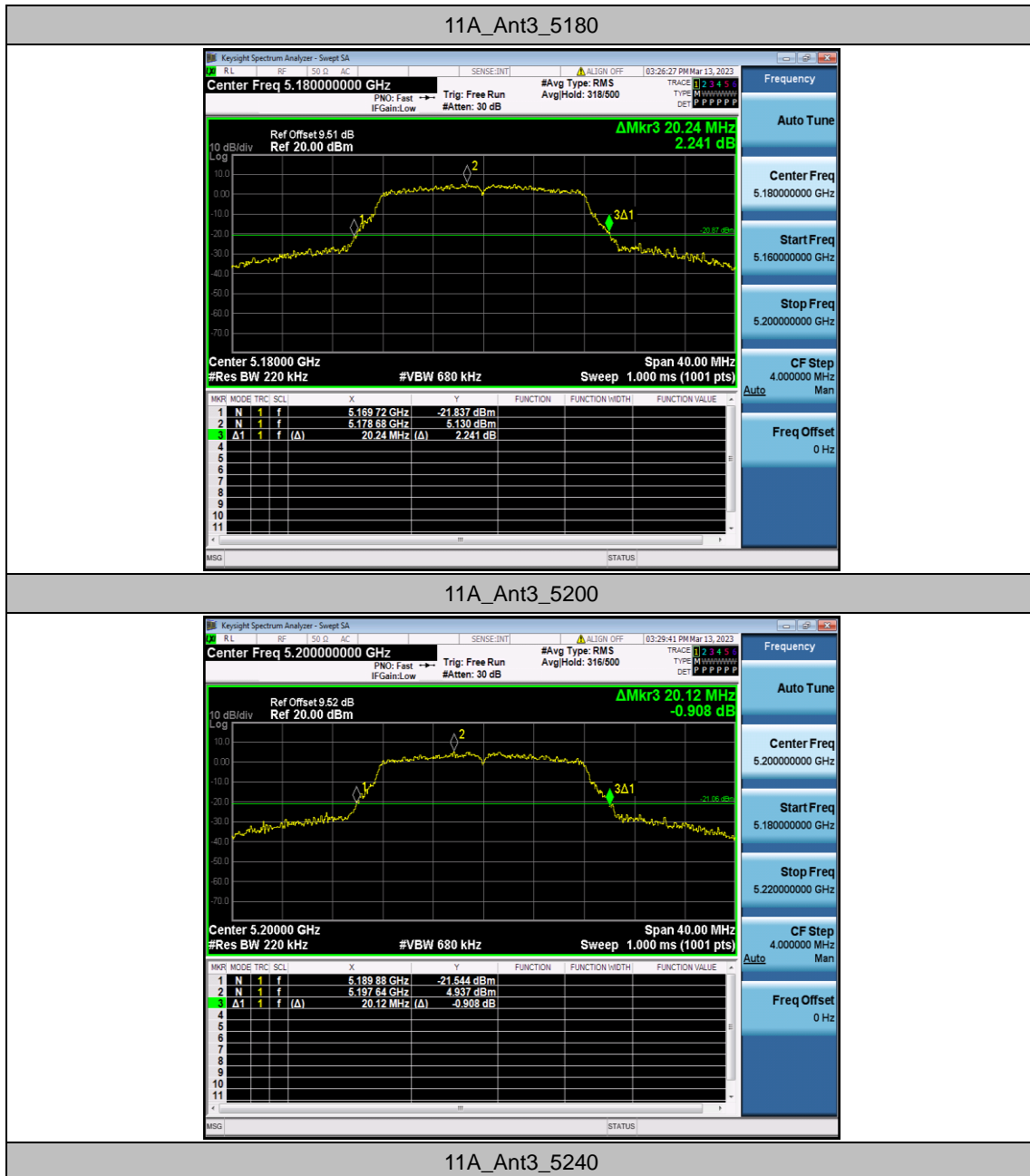
Case No. : <u>GTS20221227001-1-2</u>
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.3.10</u> Test Engineer: <u>Jenny zeng</u>

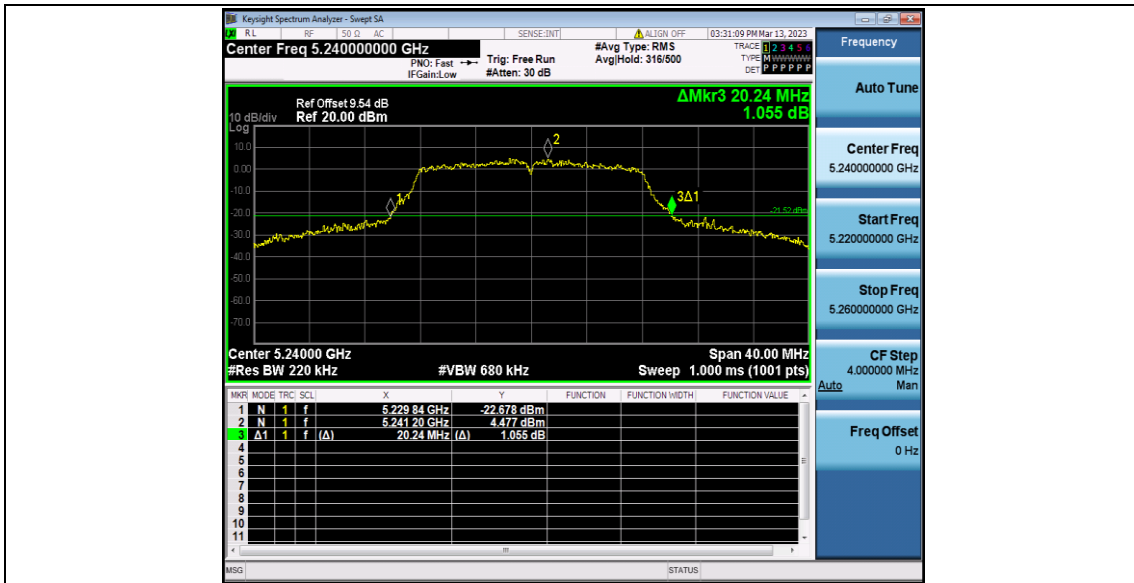
Appendix B.1: Emission Bandwidth

Test Result

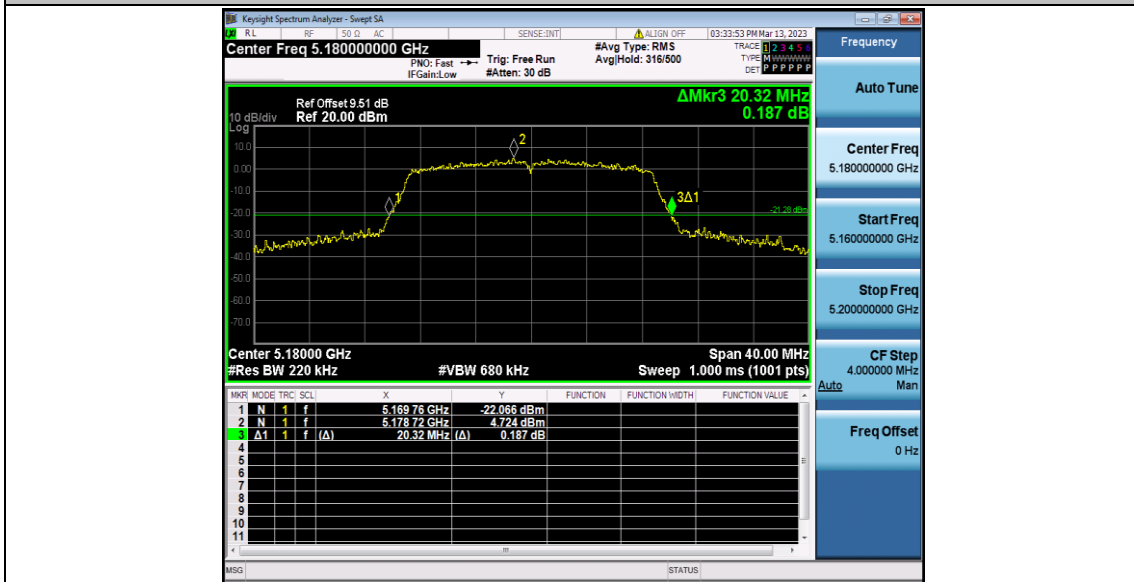
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant3	5180	20.240	5169.720	5189.960	---	---
		5200	20.120	5189.880	5210.000	---	---
		5240	20.240	5229.840	5250.080	---	---
11N20SISO	Ant3	5180	20.320	5169.760	5190.080	---	---
		5200	20.440	5189.840	5210.280	---	---
		5240	20.520	5229.800	5250.320	---	---
11N40SISO	Ant3	5190	40.480	5169.760	5210.240	---	---
		5230	40.480	5209.680	5250.160	---	---
11AC20SISO	Ant3	5180	20.280	5169.800	5190.080	---	---
		5200	20.160	5189.880	5210.040	---	---
		5240	20.280	5229.840	5250.120	---	---
11AC40SISO	Ant3	5190	40.320	5169.920	5210.240	---	---
		5230	40.480	5209.760	5250.240	---	---
11AC80SISO	Ant3	5210	80.800	5169.520	5250.320	---	---

Test Graphs





11N20SISO_Ant3_5180



11N20SISO_Ant3_5200



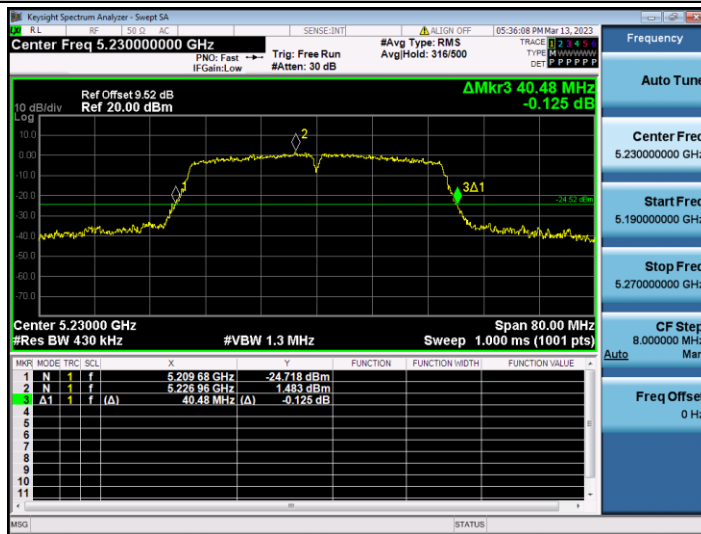
11N20SISO_Ant3_5240



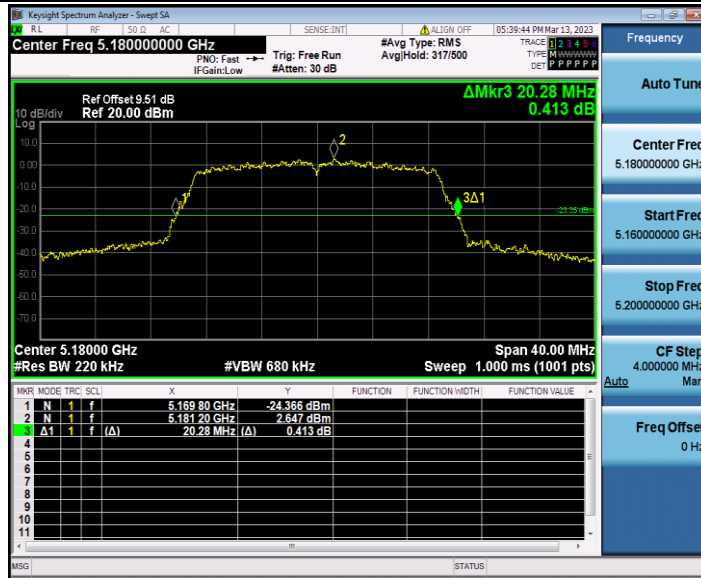
11N40SISO_Ant3_5190



11N40SISO_Ant3_5230



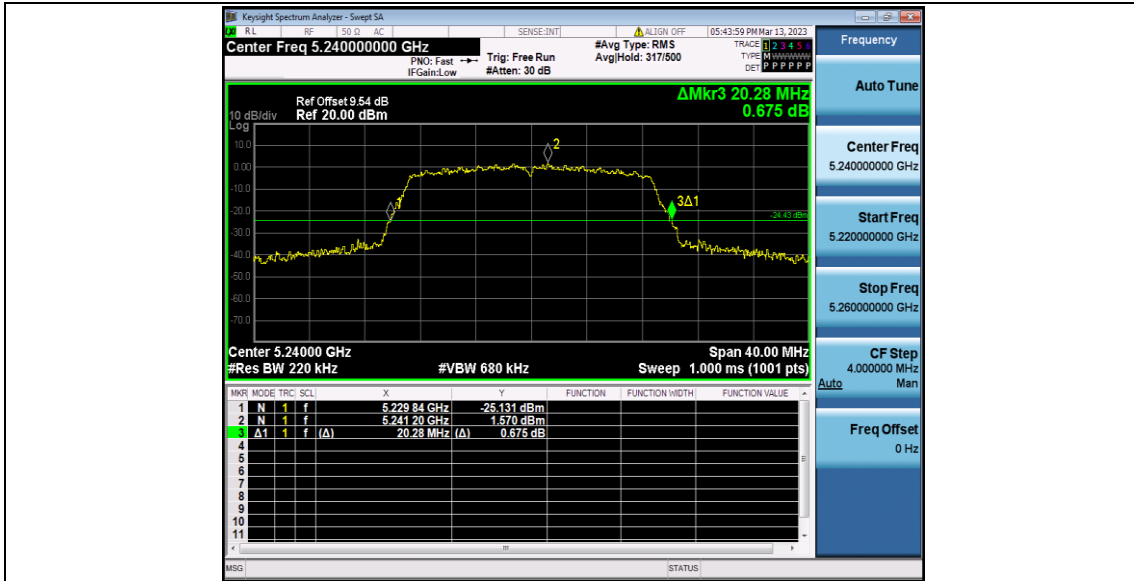
11AC20SISO_Ant3_5180



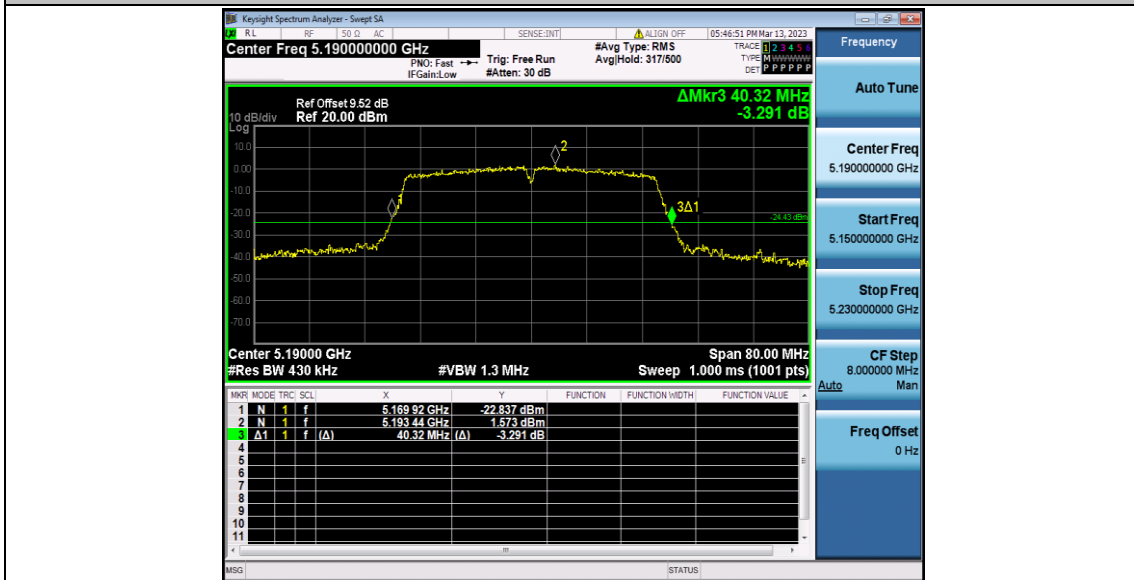
11AC20SISO_Ant3_5200



11AC20SISO_Ant3_5240



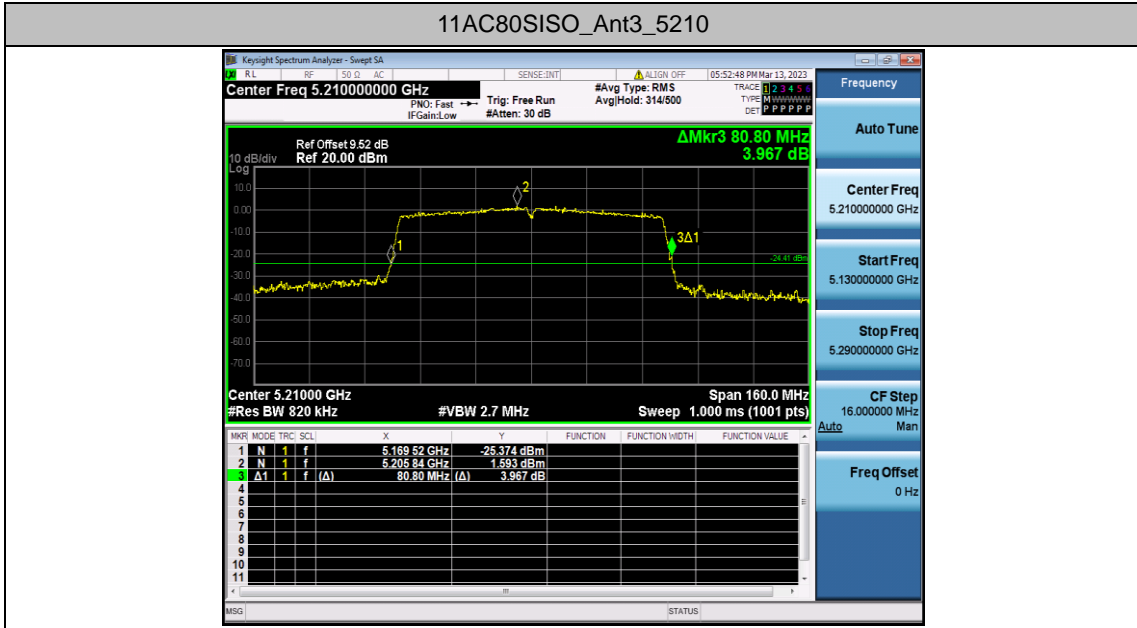
11AC40SISO_Ant3_5190



11AC40SISO_Ant3_5230



11AC80SISO_Ant3_5210

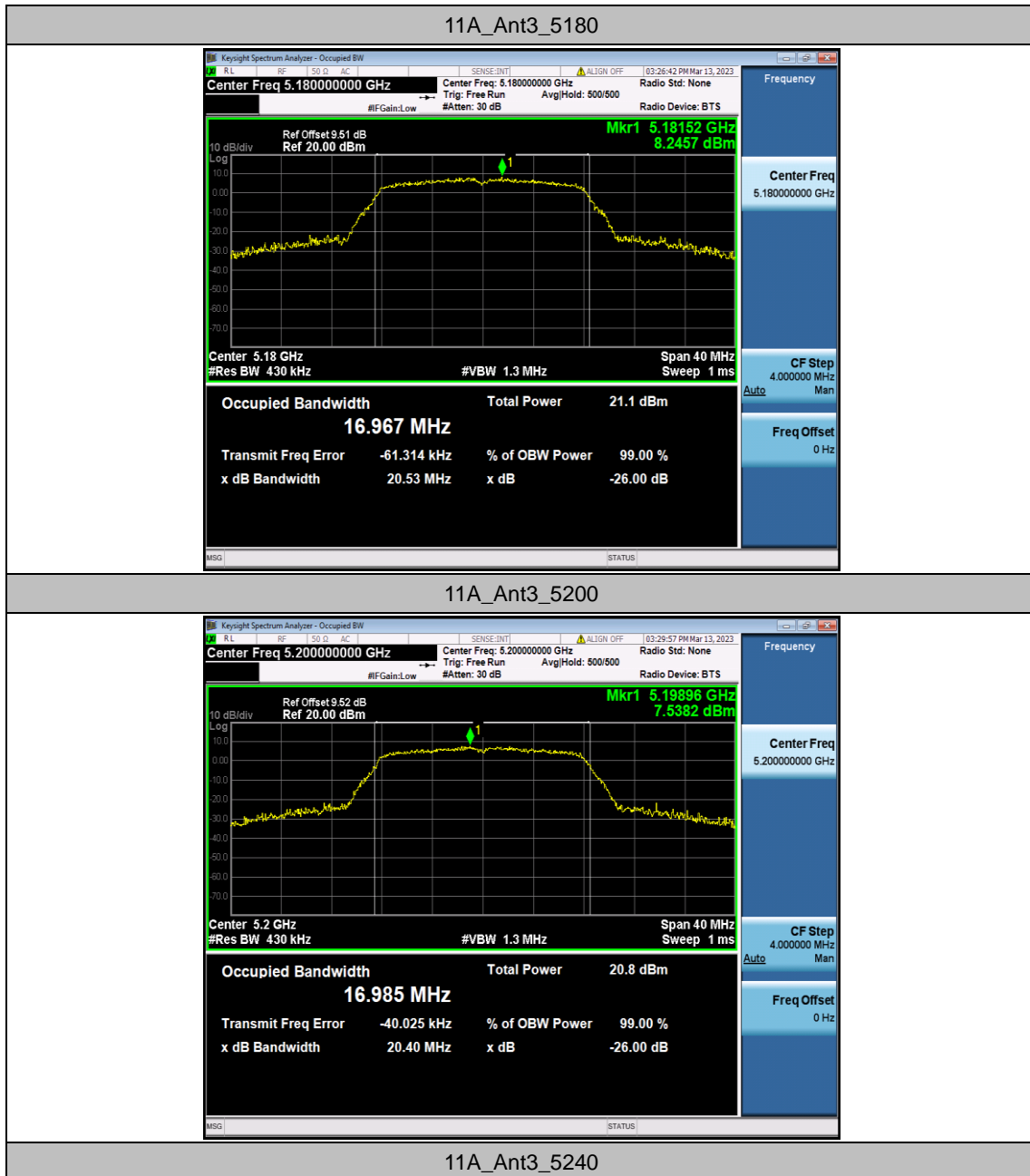


Appendix B.2: Occupied channel bandwidth

Test Result

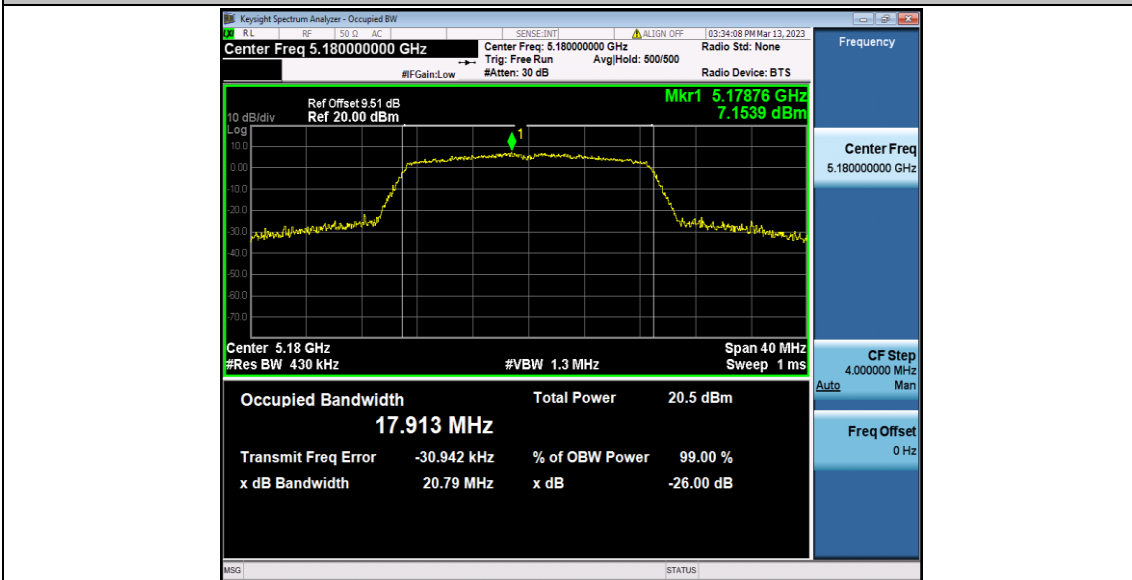
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant3	5180	16.967	5171.455	5188.422	---	---
		5200	16.985	5191.467	5208.452	---	---
		5240	17.089	5231.405	5248.494	---	---
11N20SISO	Ant3	5180	17.913	5171.013	5188.926	---	---
		5200	17.866	5191.003	5208.869	---	---
		5240	17.943	5230.985	5248.928	---	---
11N40SISO	Ant3	5190	36.306	5171.808	5208.114	---	---
		5230	36.309	5211.832	5248.141	---	---
11AC20SISO	Ant3	5180	17.825	5171.058	5188.883	---	---
		5200	17.847	5191.010	5208.857	---	---
		5240	17.833	5231.025	5248.858	---	---
11AC40SISO	Ant3	5190	36.226	5171.879	5208.105	---	---
		5230	36.384	5211.740	5248.124	---	---
11AC80SISO	Ant3	5210	75.453	5172.261	5247.714	---	---

Test Graphs

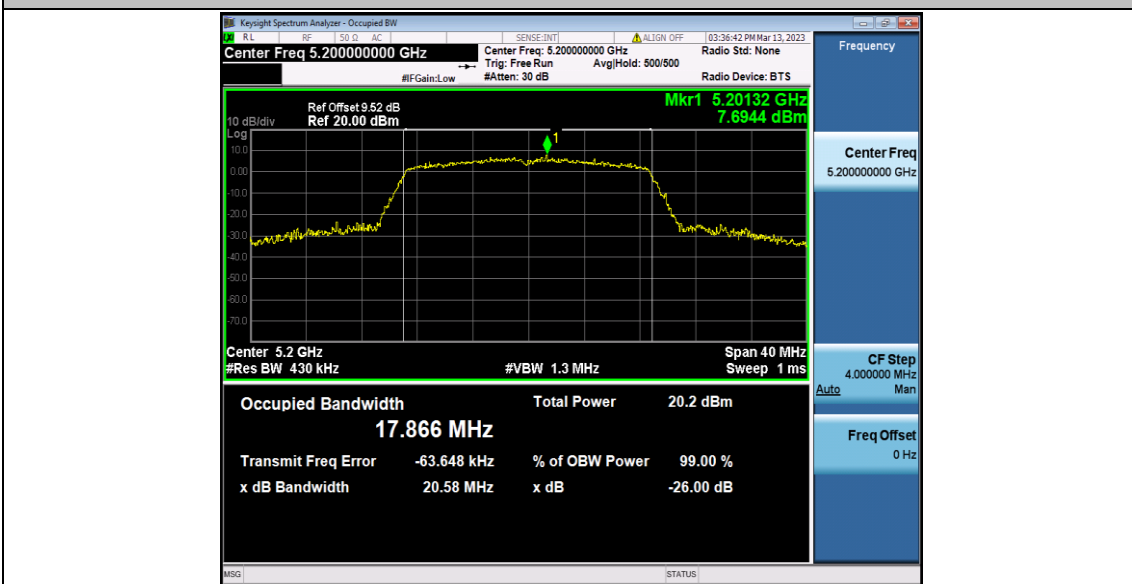




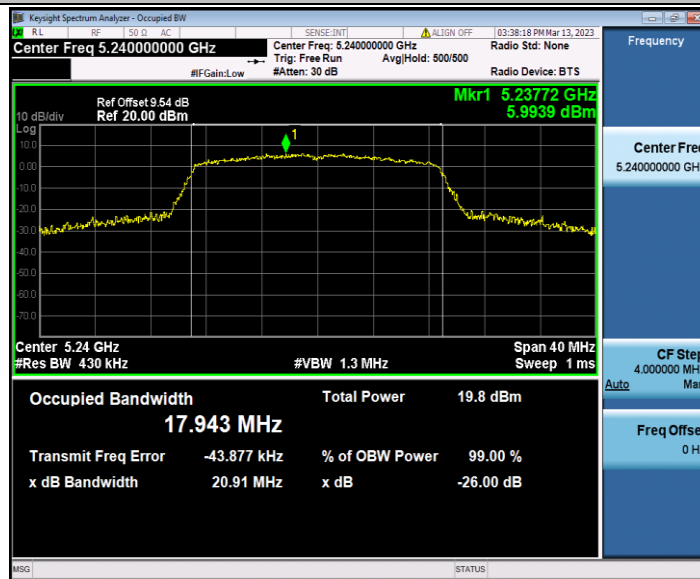
11N20SISO_Ant3_5180



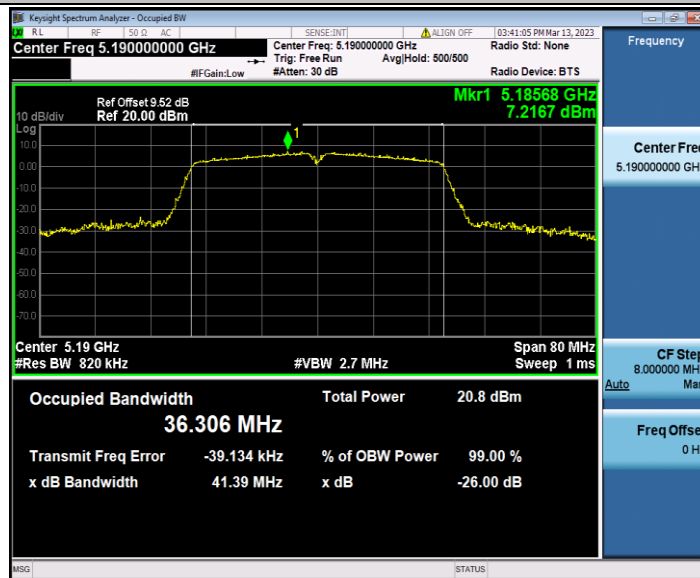
11N20SISO_Ant3_5200



11N20SISO_Ant3_5240



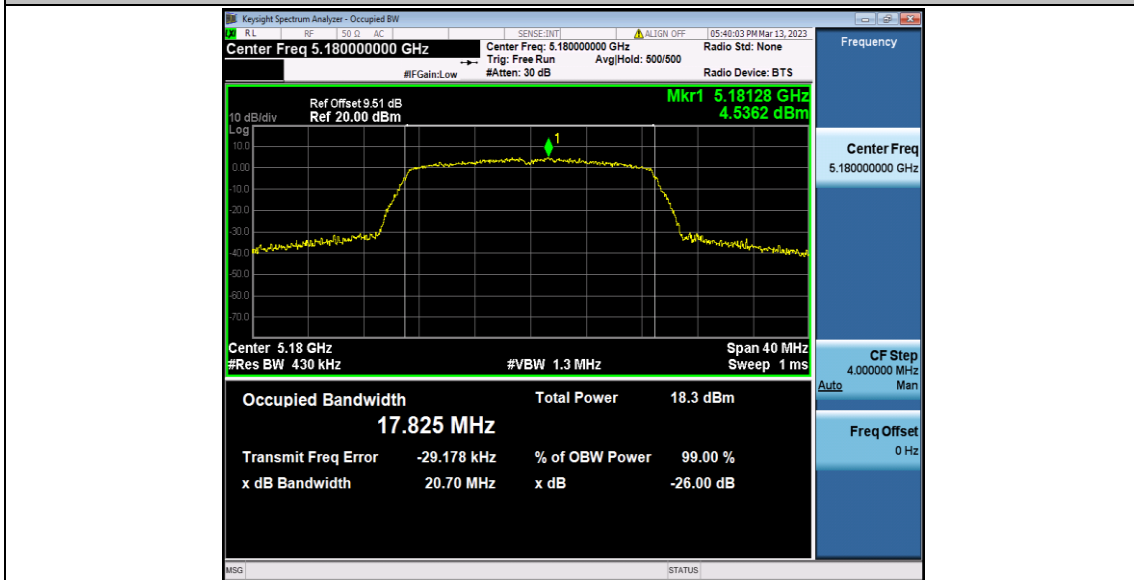
11N40SISO_Ant3_5190



11N40SISO_Ant3_5230



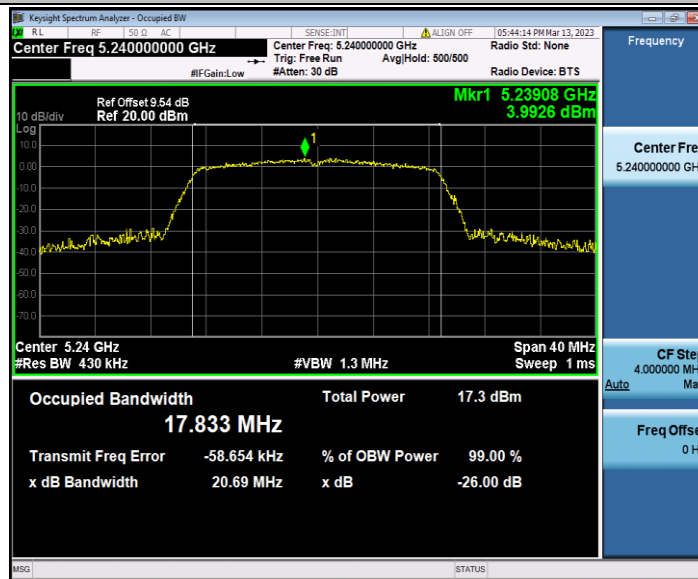
11AC20SISO_Ant3_5180



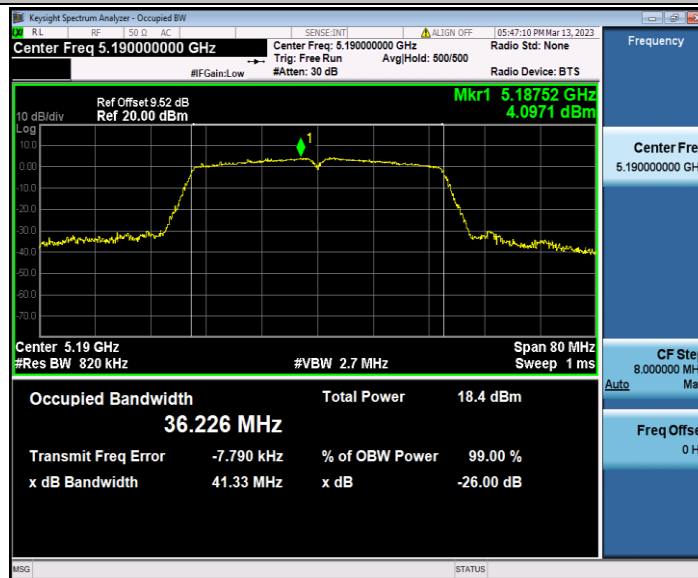
11AC20SISO_Ant3_5200



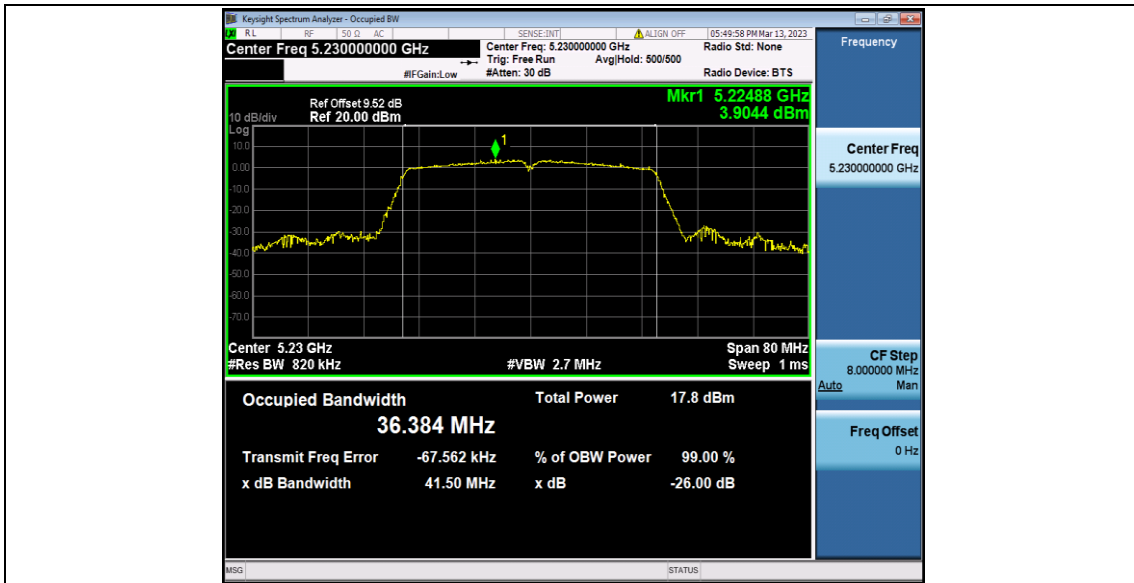
11AC20SISO_Ant3_5240



11AC40SISO_Ant3_5190



11AC40SISO_Ant3_5230



11AC80SISO_Ant3_5210

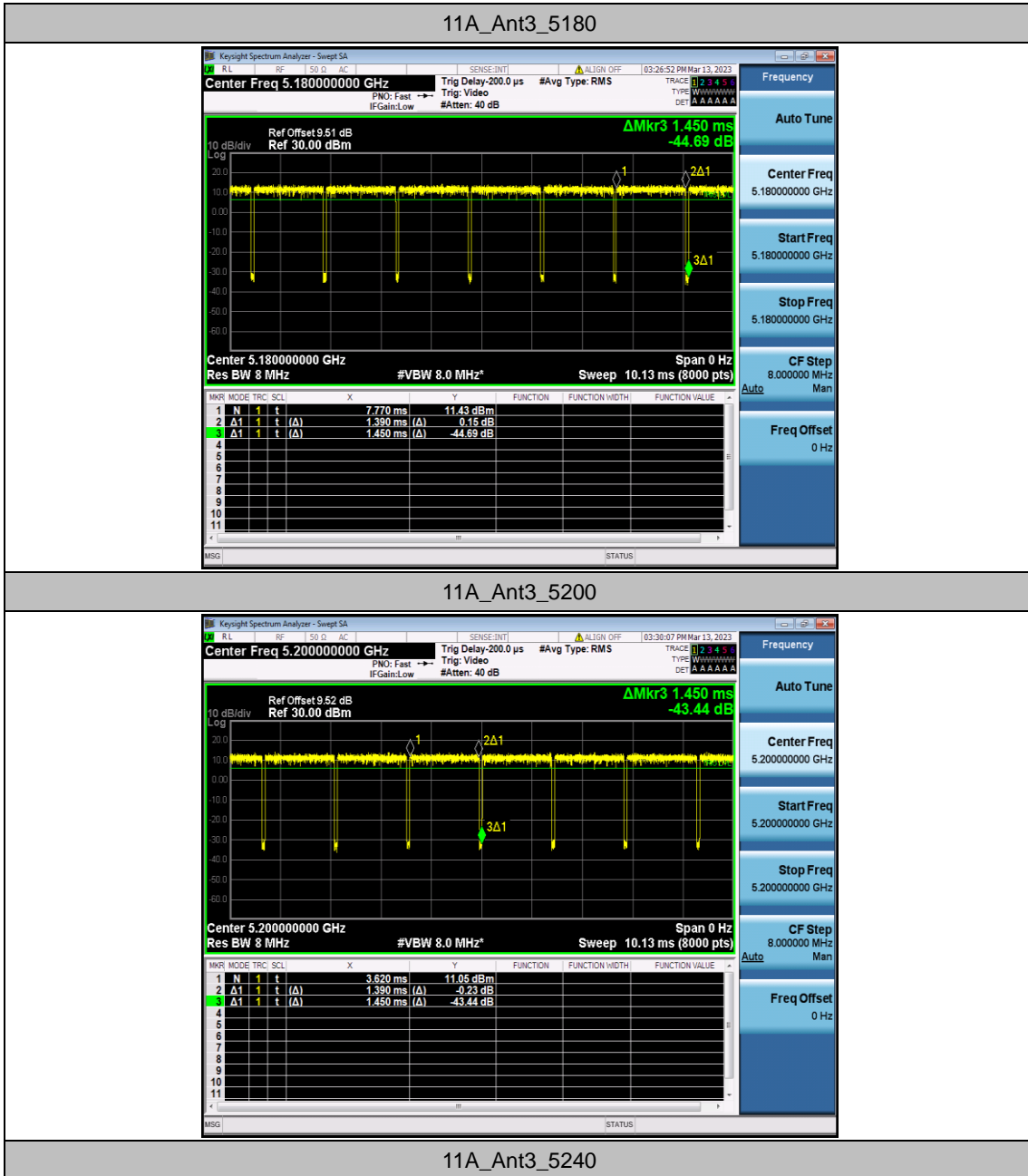


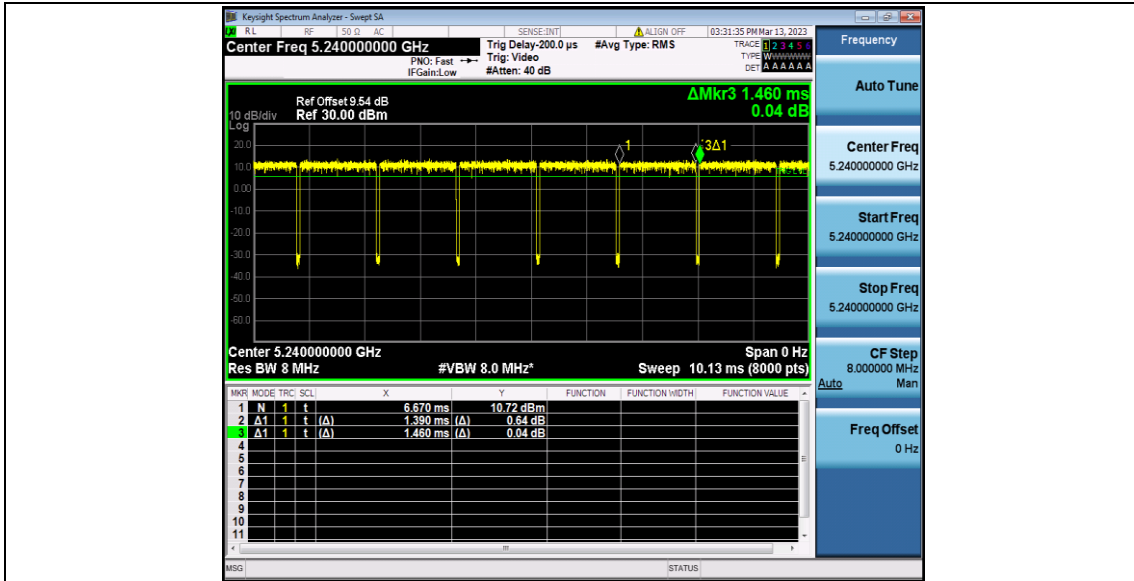
Appendix B.3: Duty Cycle

Test Result

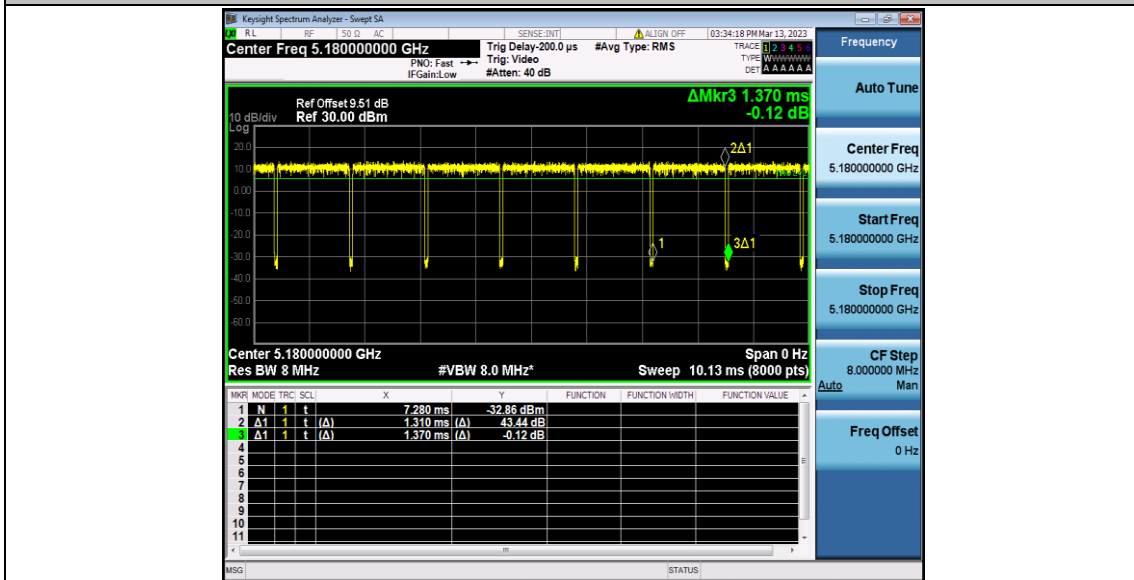
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant3	5180	1.39	1.45	95.86
		5200	1.39	1.45	95.86
		5240	1.39	1.46	95.21
11N20SISO	Ant3	5180	1.31	1.37	95.62
		5200	1.31	1.37	95.62
		5240	1.31	1.37	95.62
11N40SISO	Ant3	5190	0.65	0.71	91.55
		5230	0.65	0.71	91.55
11AC20SISO	Ant3	5180	0.69	0.75	92.00
		5200	0.68	0.74	91.89
		5240	0.69	0.75	92.00
11AC40SISO	Ant3	5190	0.35	0.41	85.37
		5230	0.35	0.41	85.37
11AC80SISO	Ant3	5210	0.19	0.25	76.00

Test Graphs

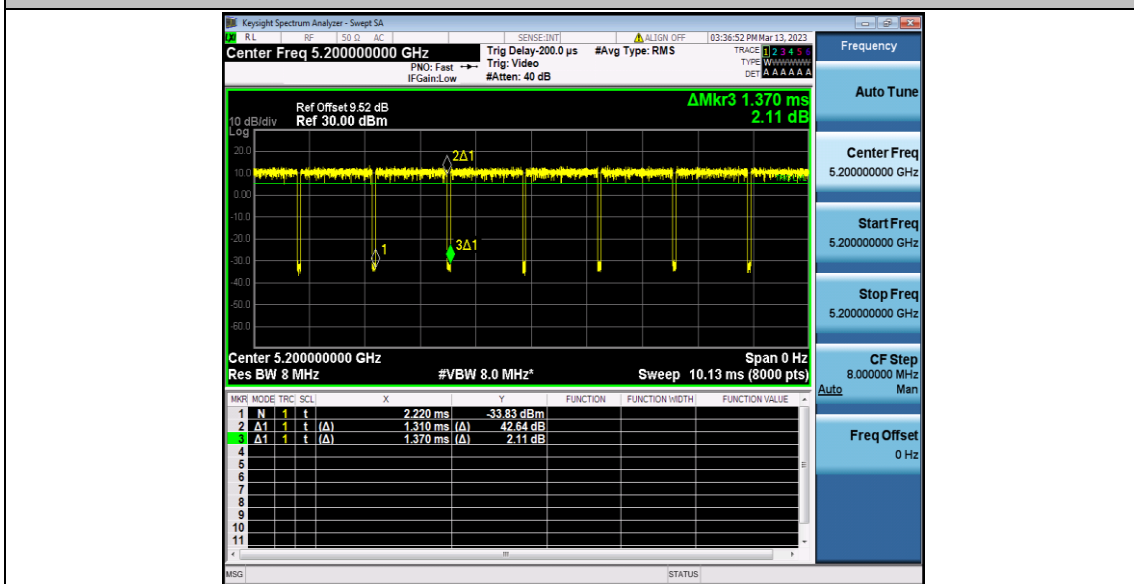




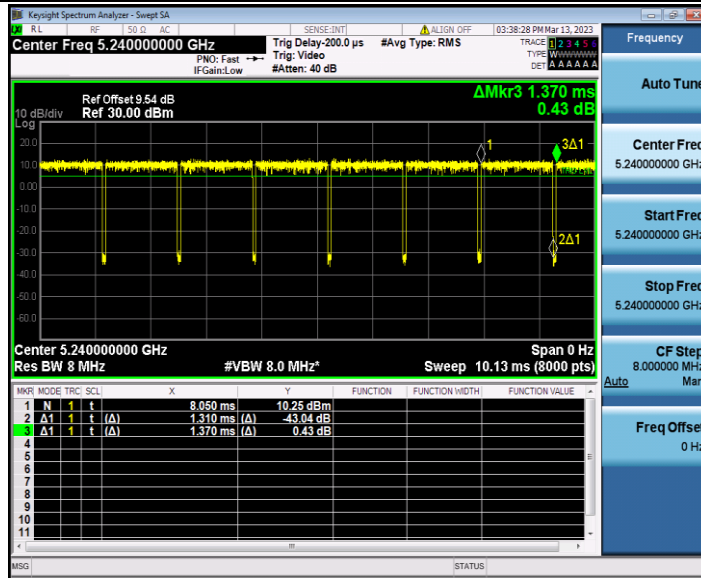
11N20SISO_Ant3_5180



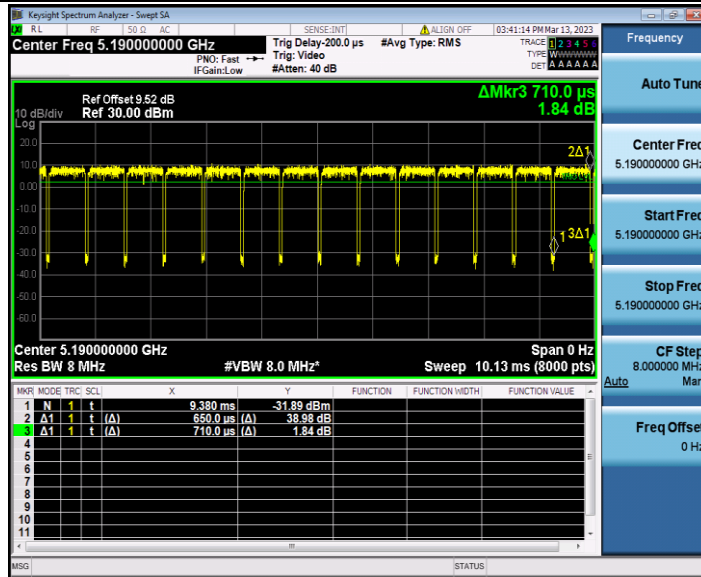
11N20SISO_Ant3_5200



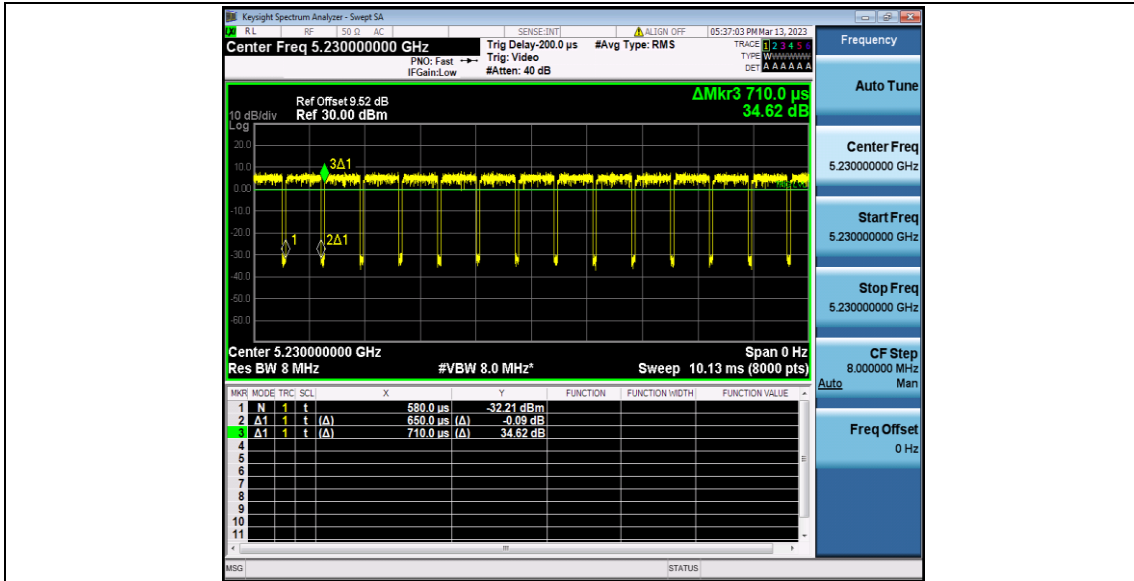
11N20SISO_Ant3_5240



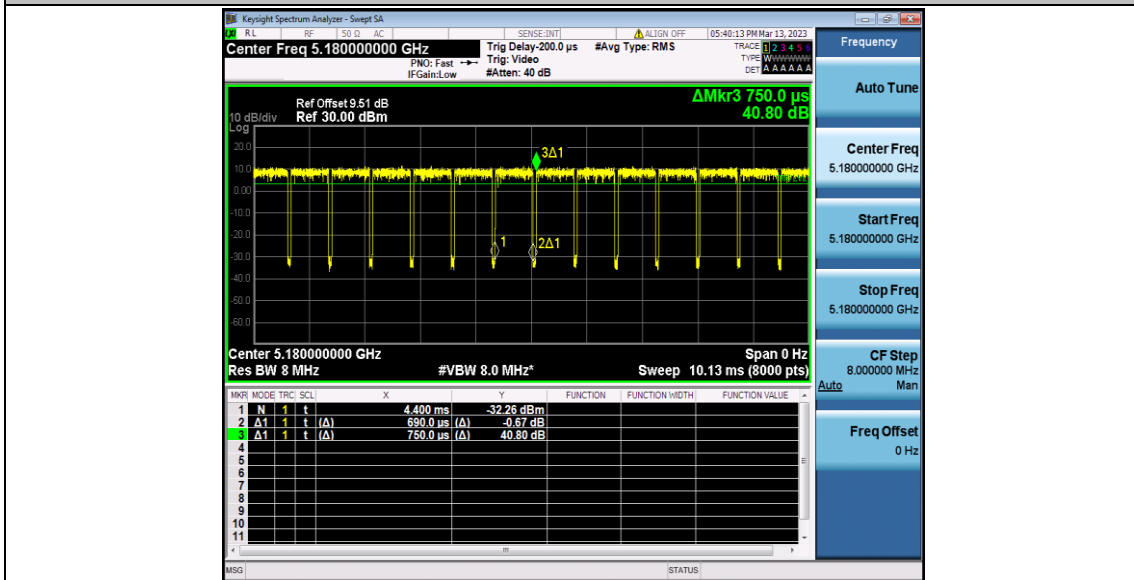
11N40SISO_Ant3_5190



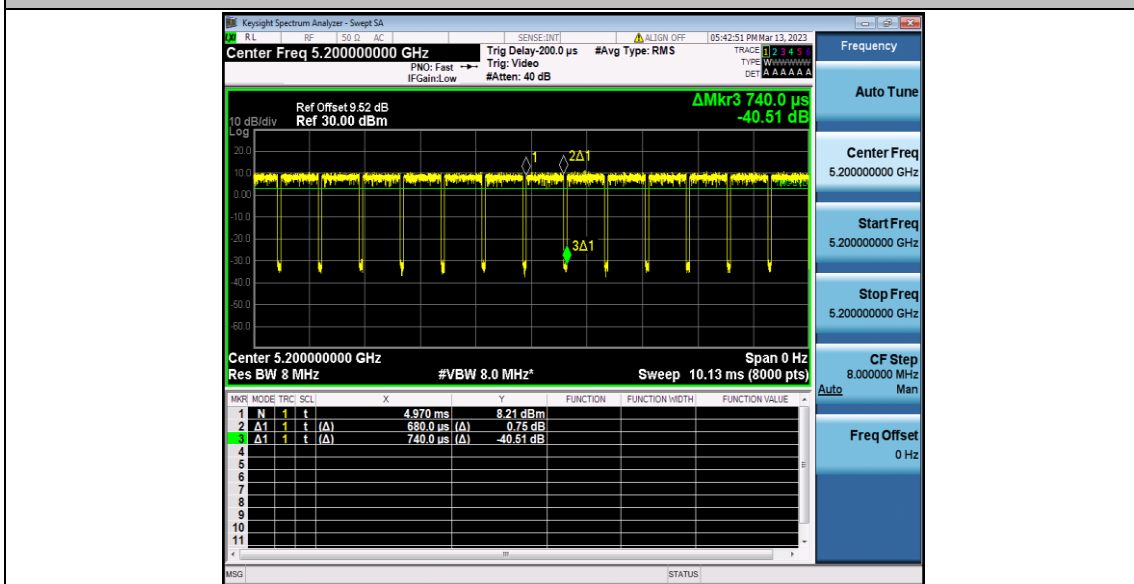
11N40SISO_Ant3_5230



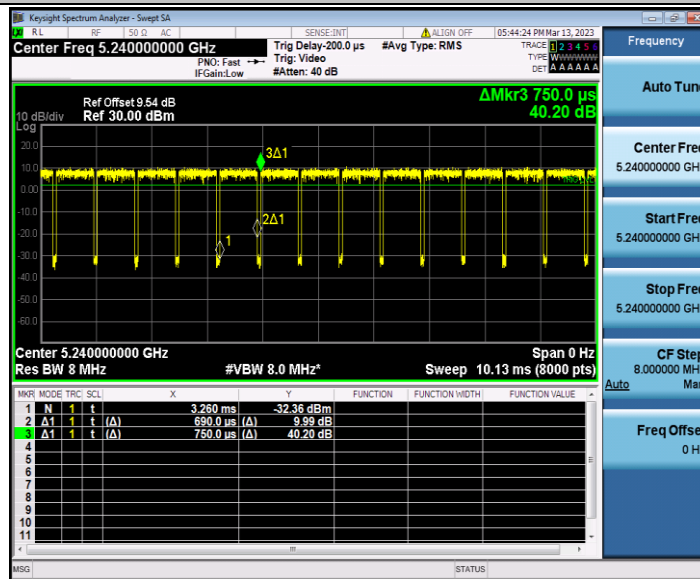
11AC20SISO_Ant3_5180



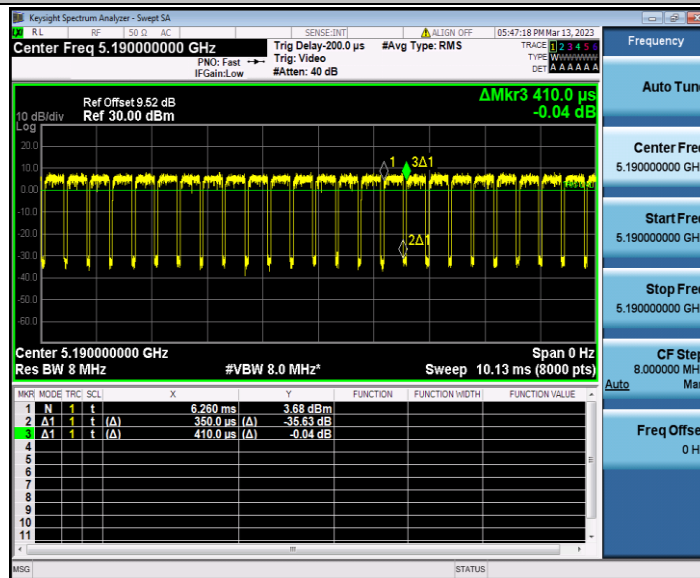
11AC20SISO_Ant3_5200



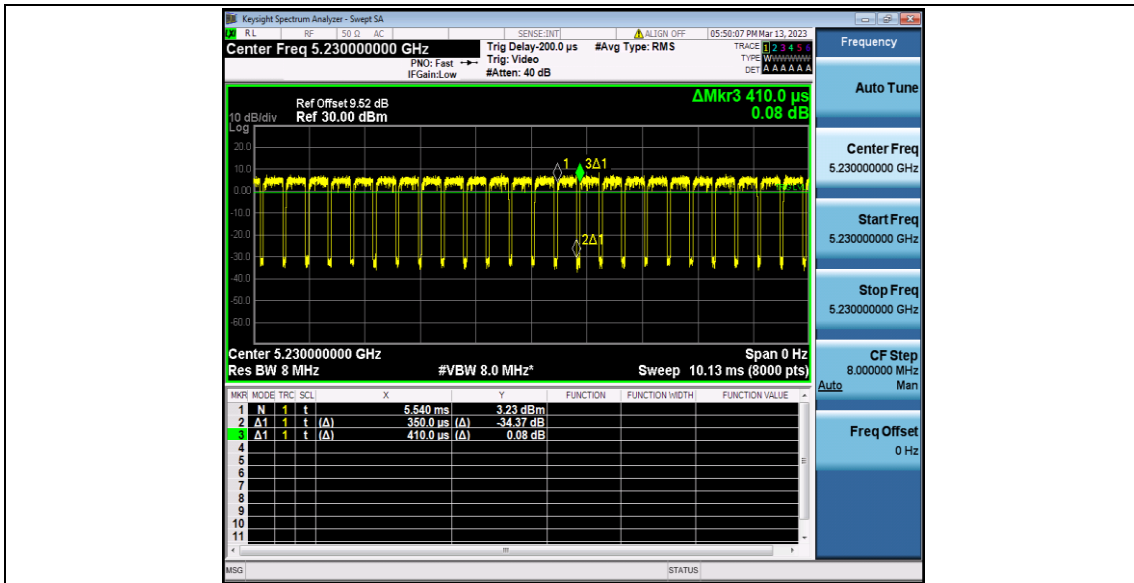
11AC20SISO_Ant3_5240



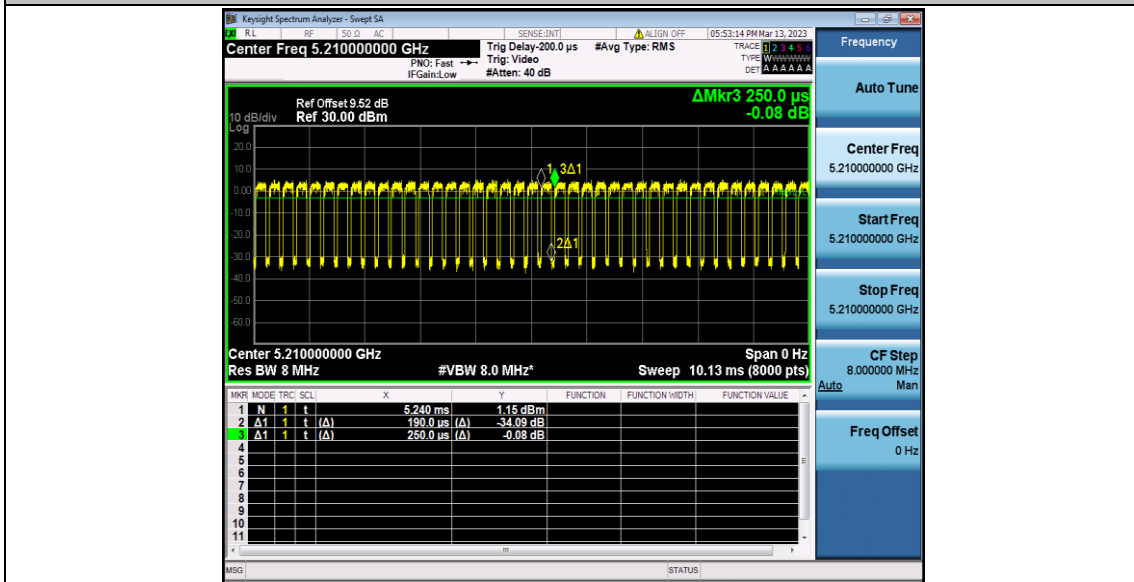
11AC40SISO_Ant3_5190



11AC40SISO_Ant3_5230



11AC80SISO_Ant3_5210



Appendix B.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant3	5180	14.12	95.86	0.18	14.30	≤23.98	PASS
		5200	13.75	95.86	0.18	13.93	≤23.98	PASS
		5240	13.29	95.21	0.21	13.50	≤23.98	PASS
11N20SISO	Ant3	5180	13.50	95.62	0.19	13.69	≤23.98	PASS
		5200	13.18	95.62	0.19	13.37	≤23.98	PASS
		5240	12.74	95.62	0.19	12.93	≤23.98	PASS
11N40SISO	Ant3	5190	12.97	91.55	0.38	13.35	≤23.98	PASS
		5230	10.46	91.55	0.38	10.84	≤23.98	PASS
11AC20SIS O	Ant3	5180	11.13	92.00	0.36	11.49	≤23.98	PASS
		5200	10.66	91.89	0.37	11.03	≤23.98	PASS
		5240	10.20	92.00	0.36	10.56	≤23.98	PASS
11AC40SIS O	Ant3	5190	10.34	85.37	0.69	11.03	≤23.98	PASS
		5230	9.82	85.37	0.69	10.51	≤23.98	PASS
11AC80SIS O	Ant3	5210	9.86	76.00	1.19	11.05	≤23.98	PASS

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

Appendix B.5: Maximum power spectral density

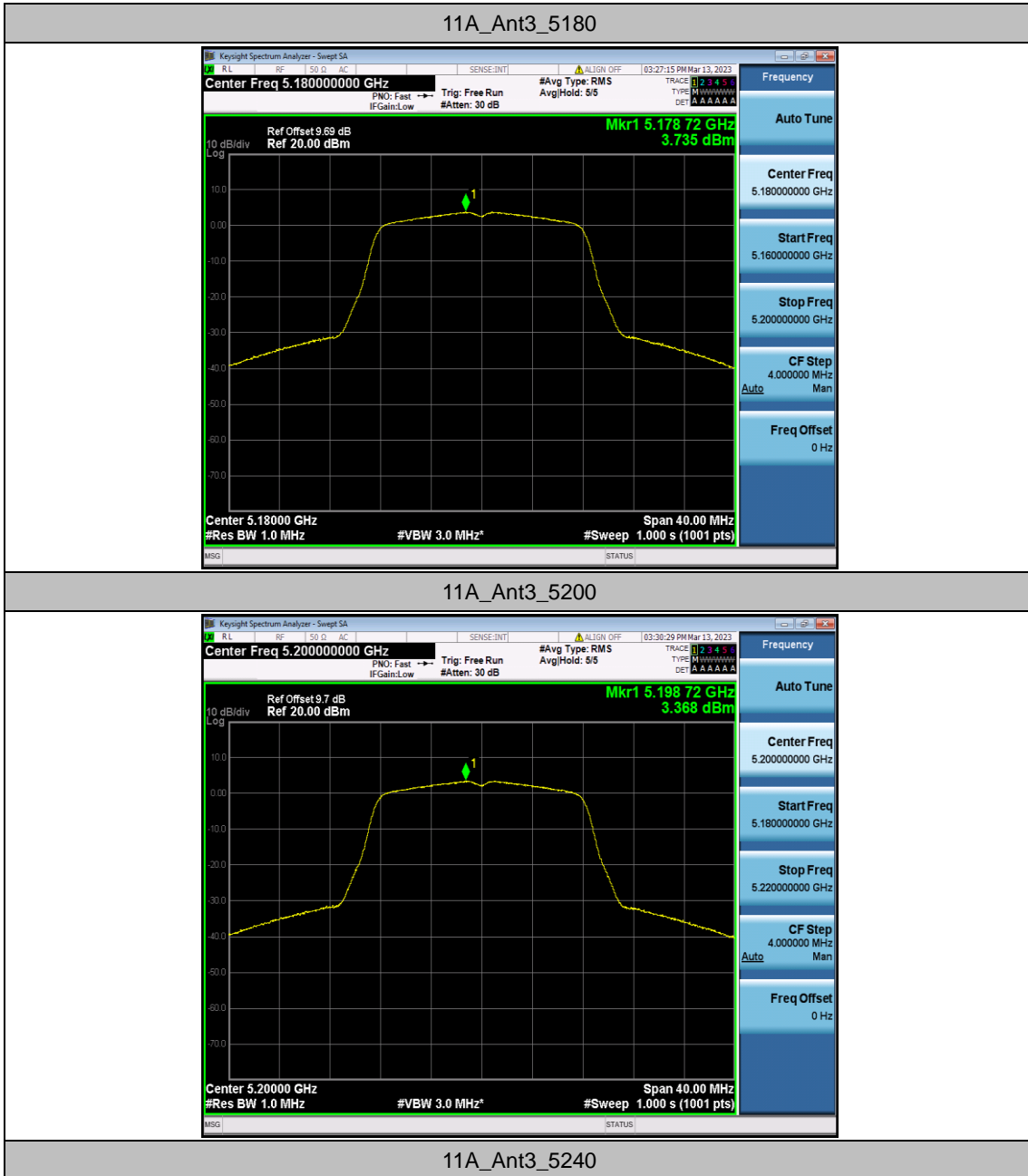
Test Result

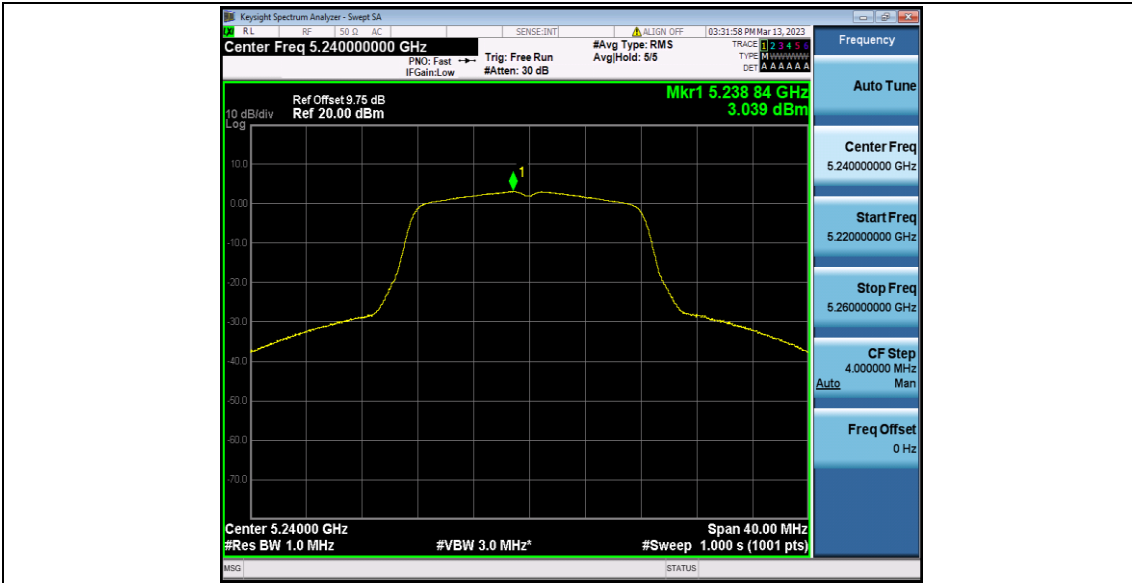
TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant3	5180	3.74	≤11.00	PASS
		5200	3.37	≤11.00	PASS
		5240	3.04	≤11.00	PASS
11N20SISO	Ant3	5180	2.92	≤11.00	PASS
		5200	2.62	≤11.00	PASS
		5240	2.33	≤11.00	PASS
11N40SISO	Ant3	5190	-0.25	≤11.00	PASS
		5230	-2.72	≤11.00	PASS
11AC20SISO	Ant3	5180	0.56	≤11.00	PASS
		5200	0.17	≤11.00	PASS
		5240	-0.13	≤11.00	PASS
11AC40SISO	Ant3	5190	-2.56	≤11.00	PASS
		5230	-3.11	≤11.00	PASS
11AC80SISO	Ant3	5210	-5.41	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

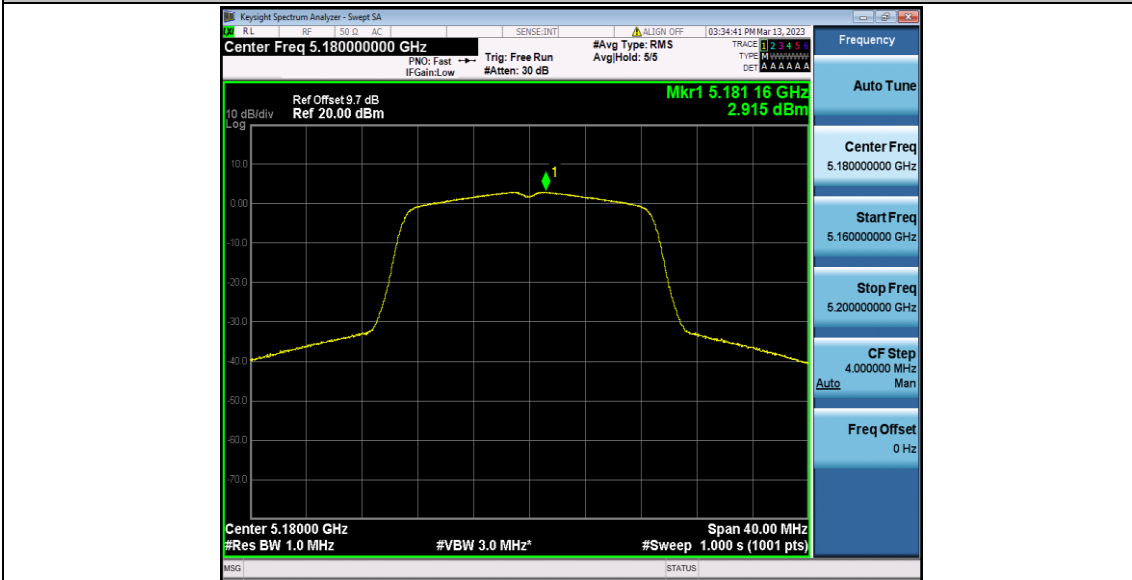
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

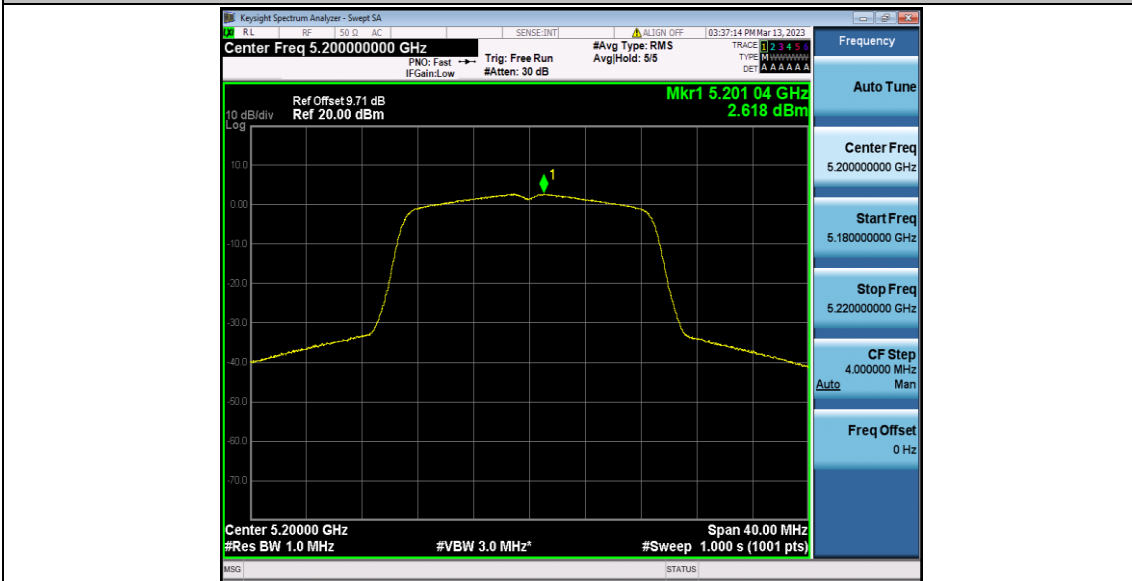




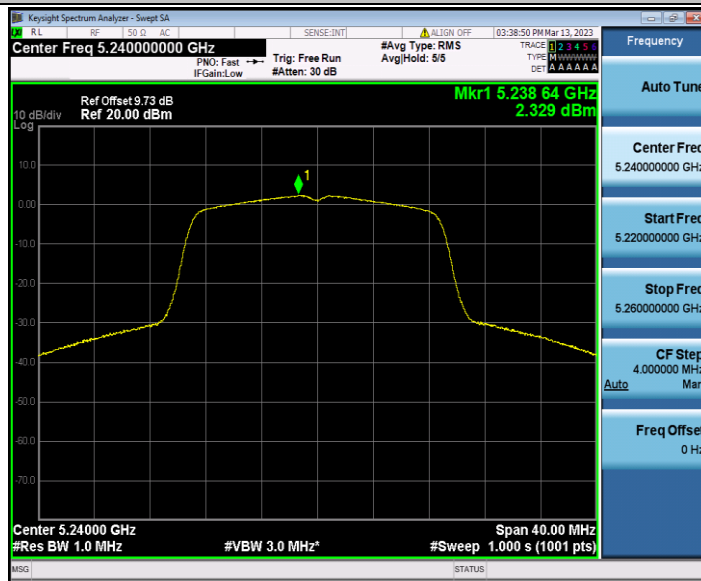
11N20SISO_Ant3_5180



11N20SISO_Ant3_5200



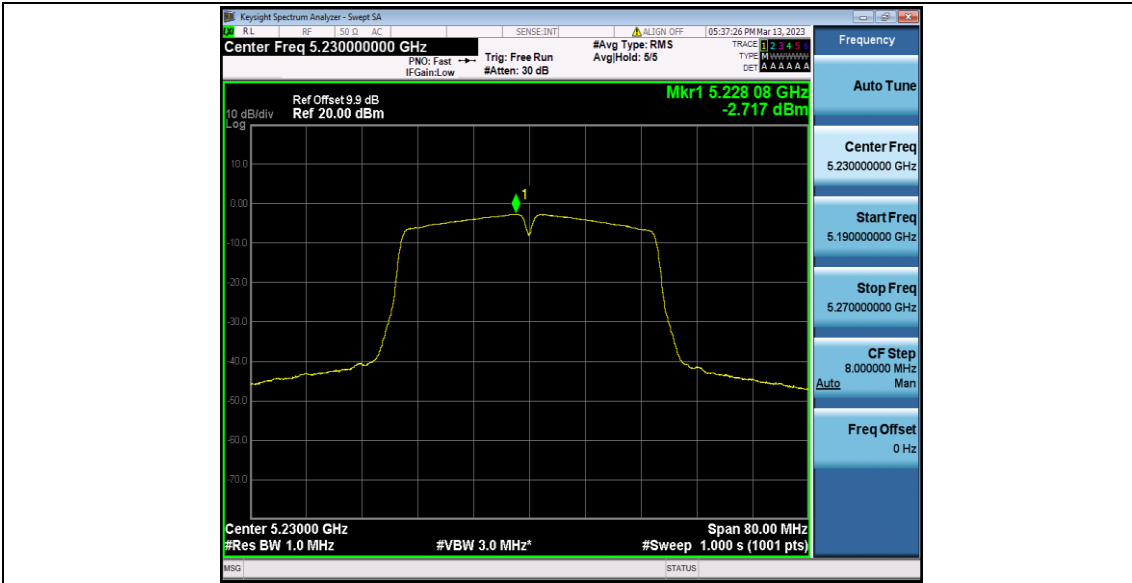
11N20SISO_Ant3_5240



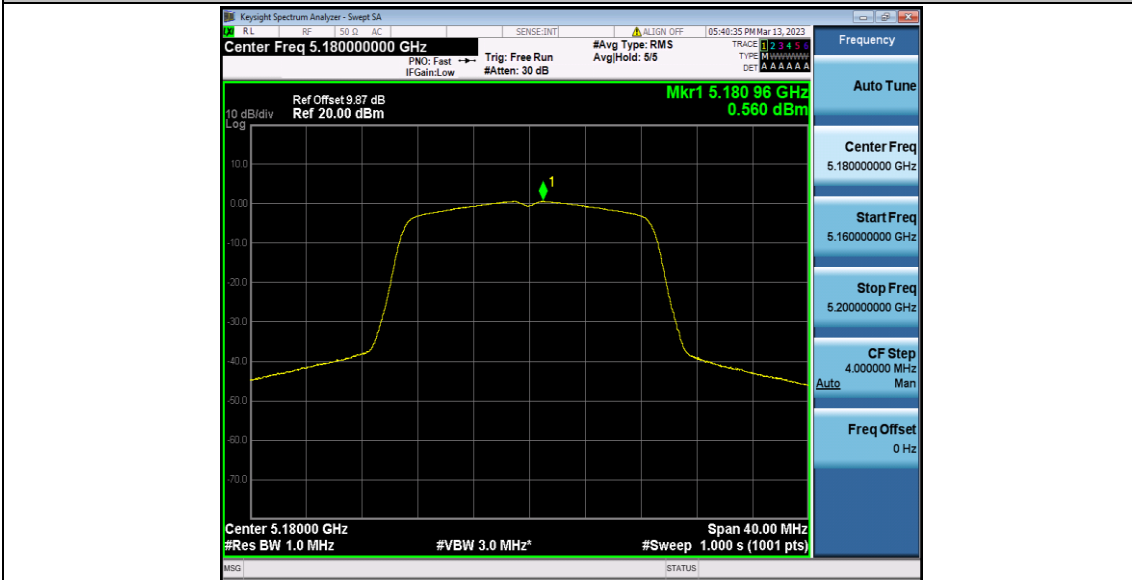
11N40SISO_Ant3_5190



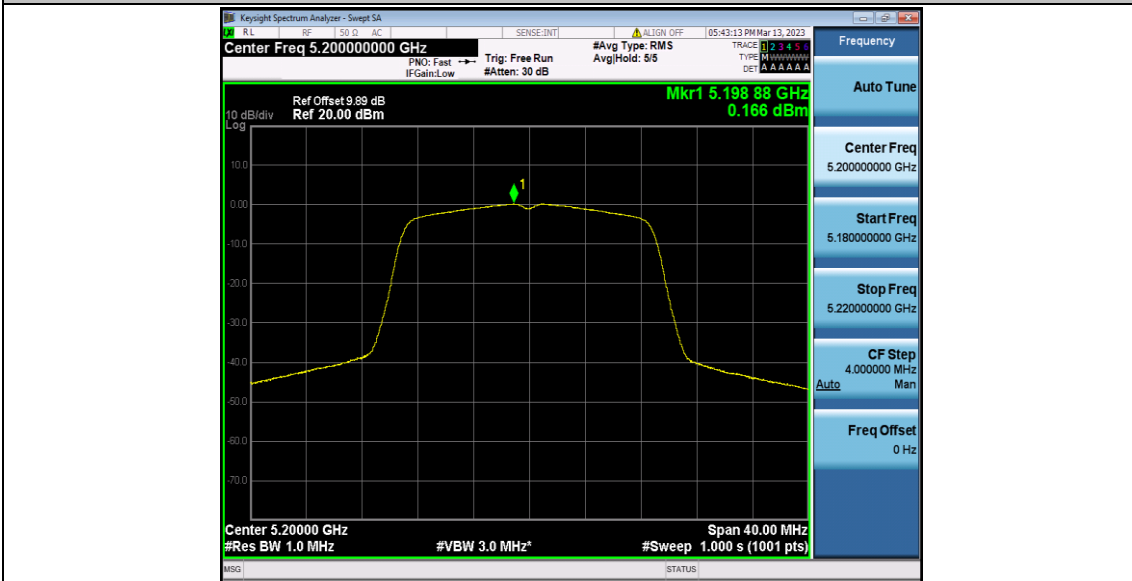
11N40SISO_Ant3_5230



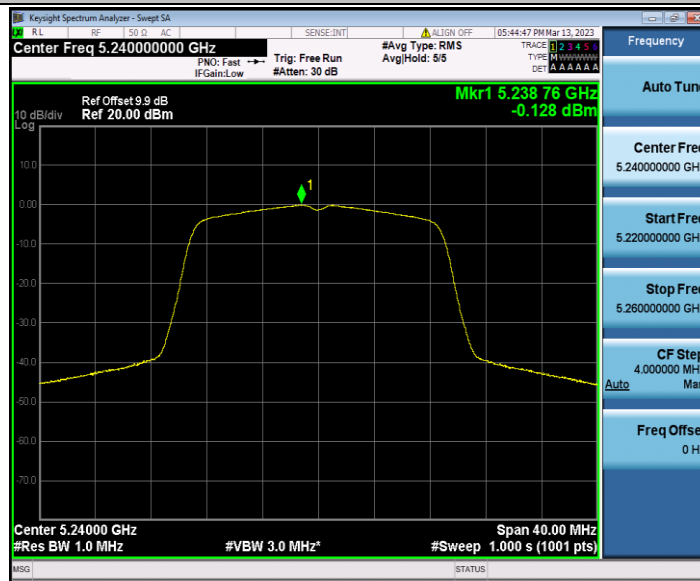
11AC20SISO_Ant3_5180



11AC20SISO_Ant3_5200



11AC20SISO_Ant3_5240



11AC40SISO_Ant3_5190



11AC40SISO_Ant3_5230