

Case No. : <u>GTS20221227001-1-2</u>
Ambient Condition: <u>23</u> °C, <u>50</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.3.10</u> Test Engineer: <u>Jenny zeng</u>

Appendix B.1: Emission Bandwidth

Test Result

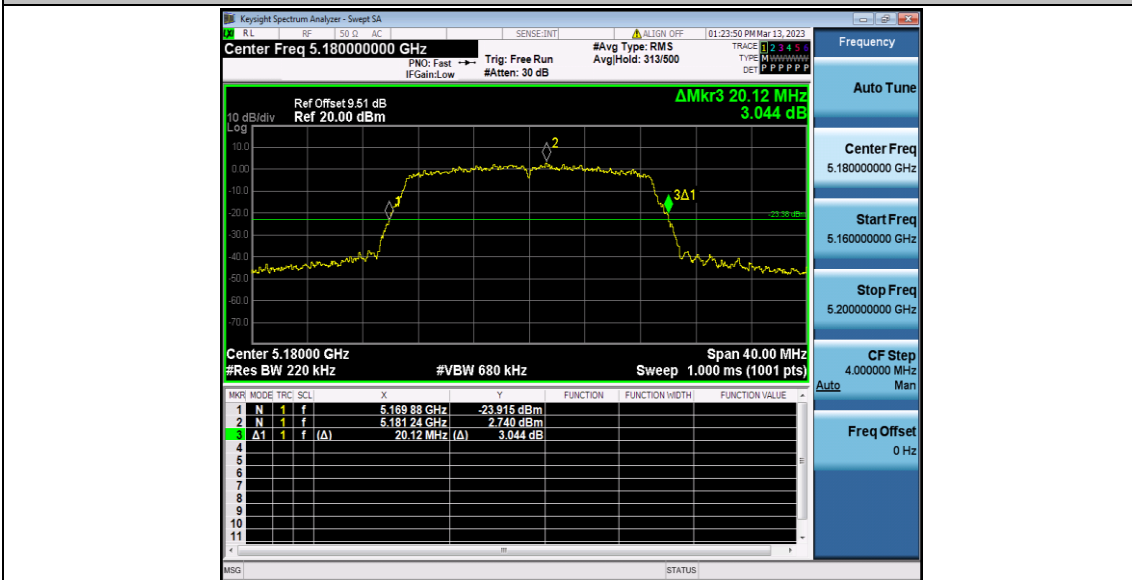
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	20.120	5169.920	5190.040	---	---
		5200	20.040	5189.880	5209.920	---	---
		5240	19.960	5229.960	5249.920	---	---
11N20SISO	Ant2	5180	20.120	5169.880	5190.000	---	---
		5200	20.200	5189.800	5210.000	---	---
		5240	21.920	5228.160	5250.080	---	---
11N40SISO	Ant2	5190	20.640	5179.680	5200.320	---	---
		5230	40.640	5209.440	5250.080	---	---
11AC20SISO	Ant2	5180	20.240	5169.800	5190.040	---	---
		5200	20.000	5189.880	5209.880	---	---
		5240	20.160	5229.880	5250.040	---	---
11AC40SISO	Ant2	5190	40.320	5169.680	5210.000	---	---
		5230	40.400	5209.680	5250.080	---	---
11AC80SISO	Ant2	5210	80.480	5169.680	5250.160	---	---

Test Graphs





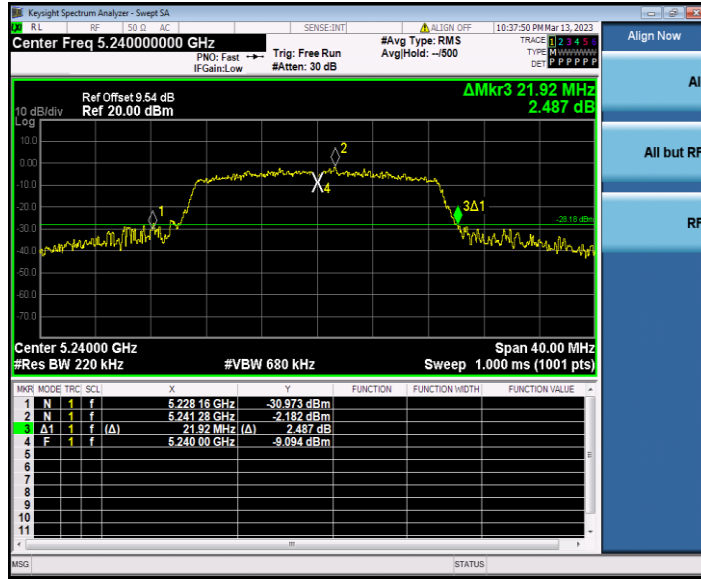
11N20SISO_Ant2_5180



11N20SISO_Ant2_5200



11N20SISO_Ant2_5240



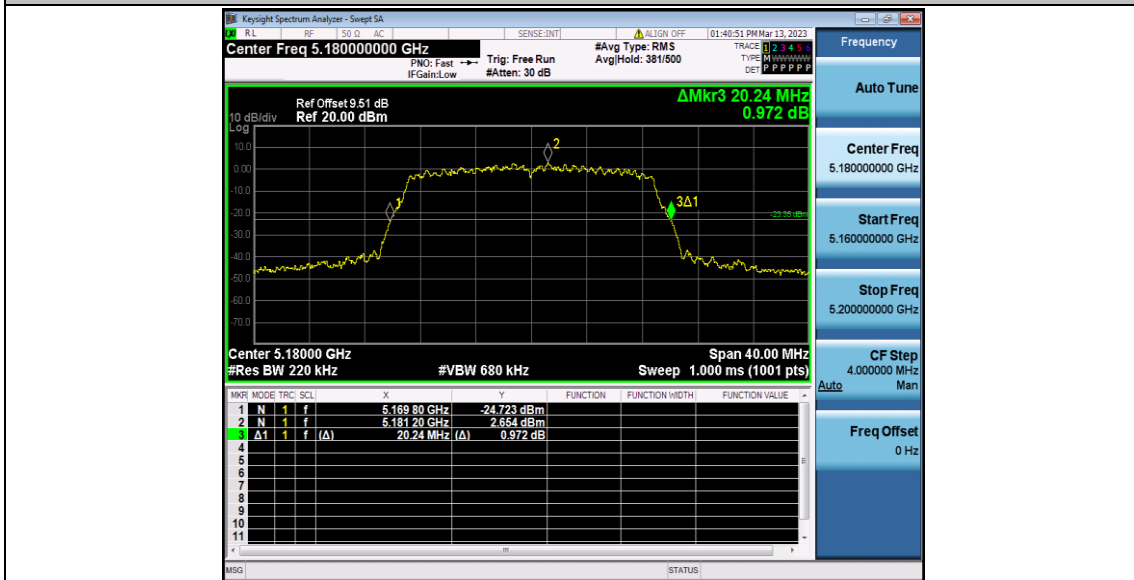
11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



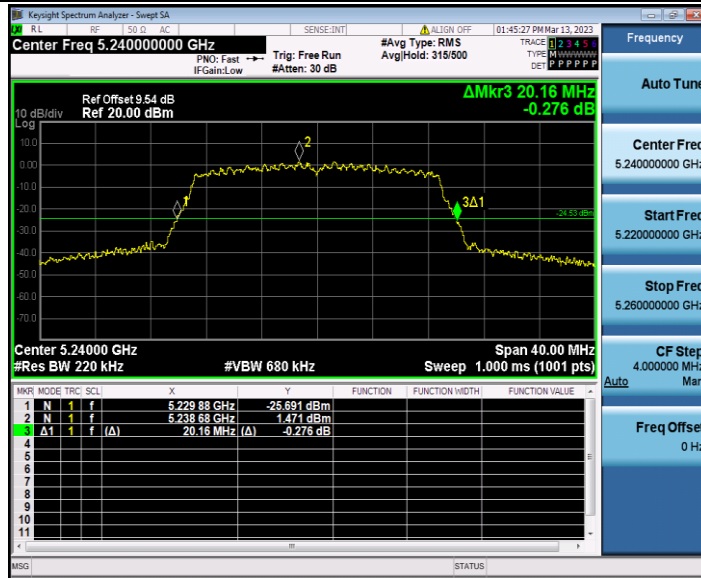
11AC20SISO_Ant2_5180



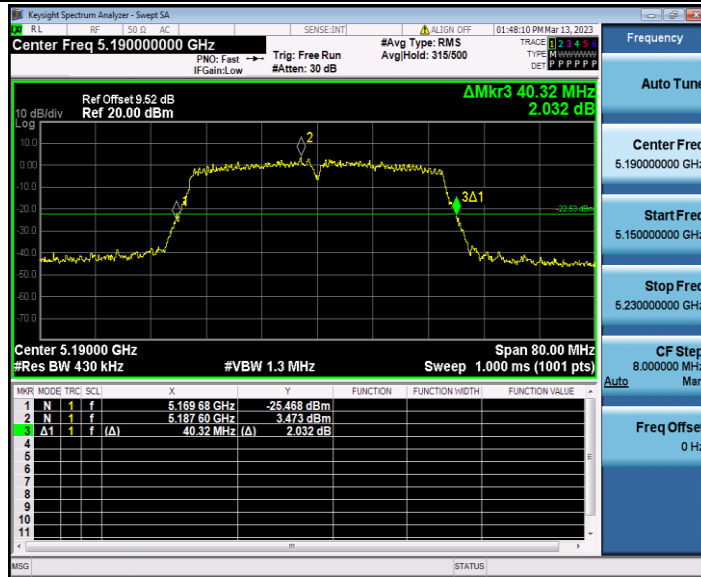
11AC20SISO_Ant2_5200



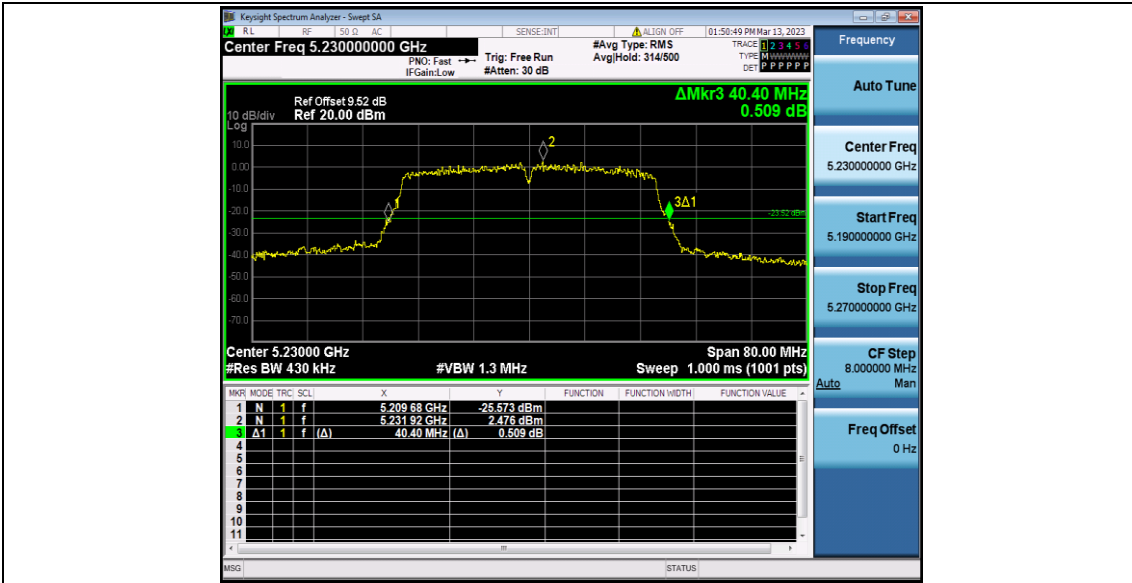
11AC20SISO_Ant2_5240



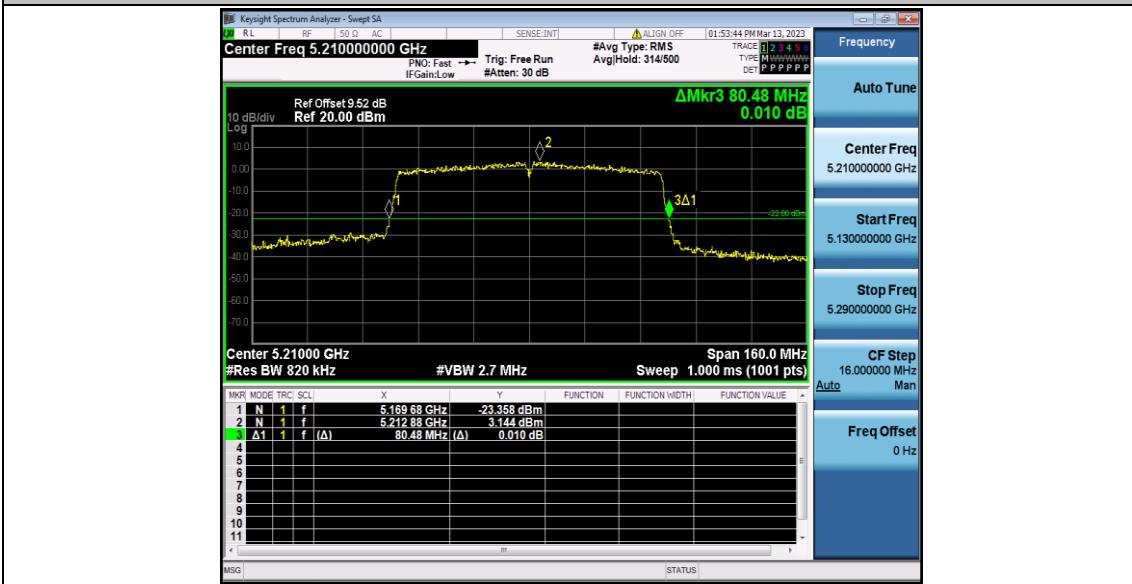
11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210

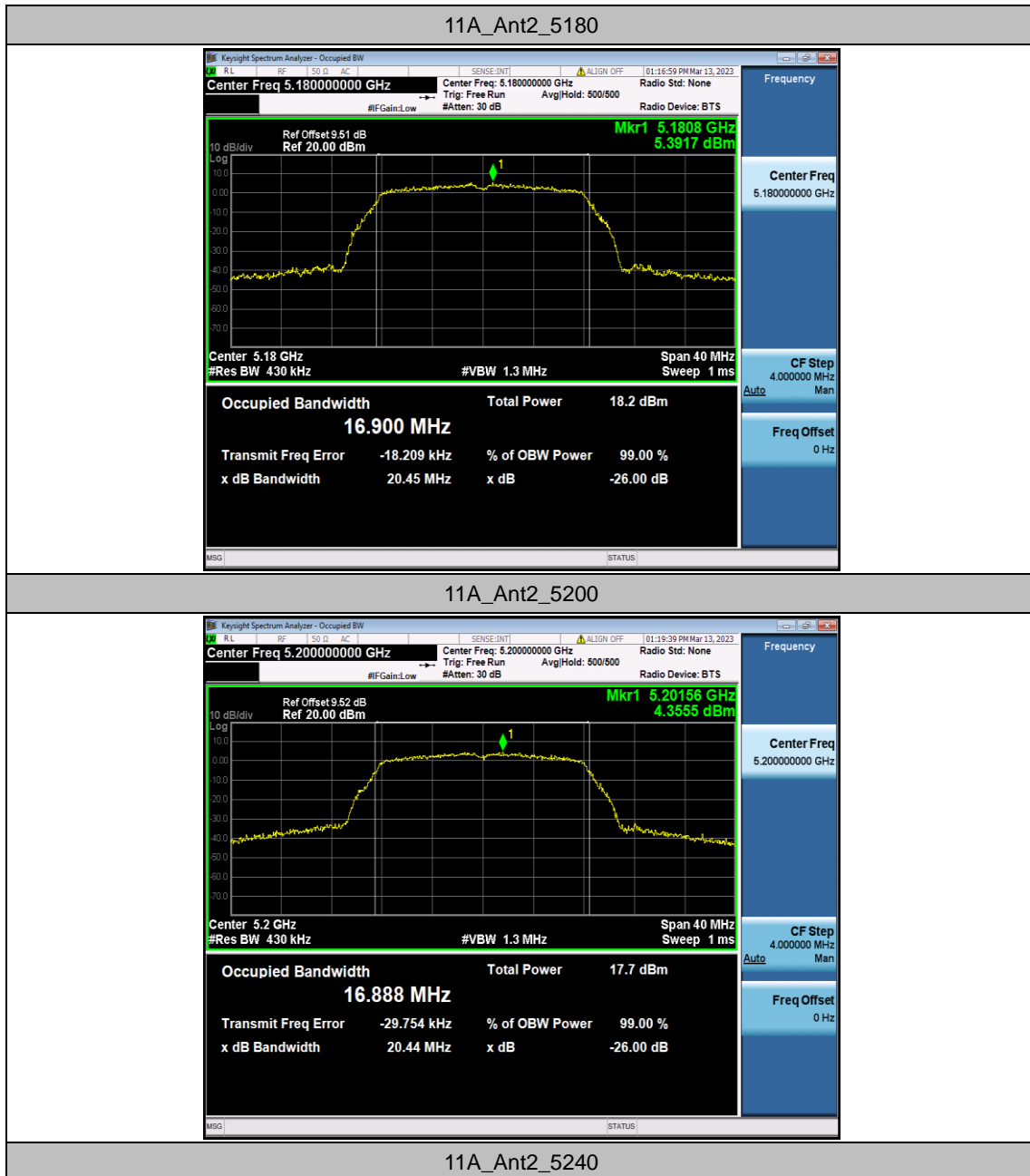


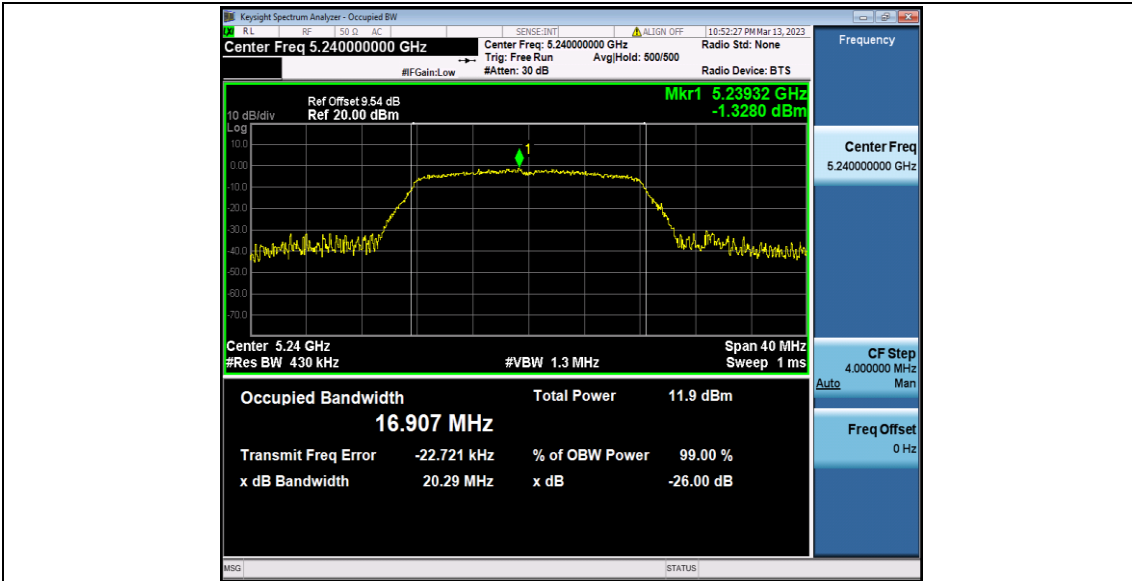
Appendix B.2: Occupied channel bandwidth

Test Result

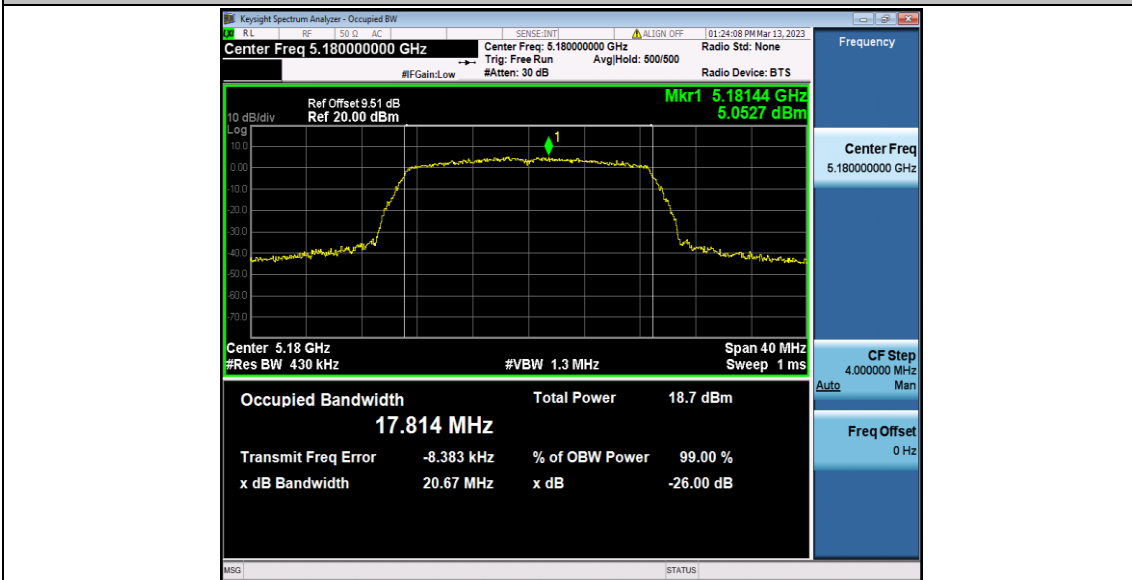
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	16.900	5171.532	5188.432	---	---
		5200	16.888	5191.526	5208.414	---	---
		5240	16.907	5231.524	5248.431	---	---
11N20SISO	Ant2	5180	17.814	5171.085	5188.899	---	---
		5200	17.831	5191.047	5208.878	---	---
		5240	17.999	5230.968	5248.967	---	---
11N40SISO	Ant2	5190	36.214	5171.873	5208.087	---	---
		5230	36.346	5211.751	5248.097	---	---
11AC20SISO	Ant2	5180	17.722	5171.104	5188.826	---	---
		5200	17.699	5191.086	5208.785	---	---
		5240	17.711	5231.083	5248.794	---	---
11AC40SISO	Ant2	5190	36.148	5171.931	5208.079	---	---
		5230	36.135	5211.828	5247.963	---	---
11AC80SISO	Ant2	5210	75.288	5172.339	5247.627	---	---

Test Graphs

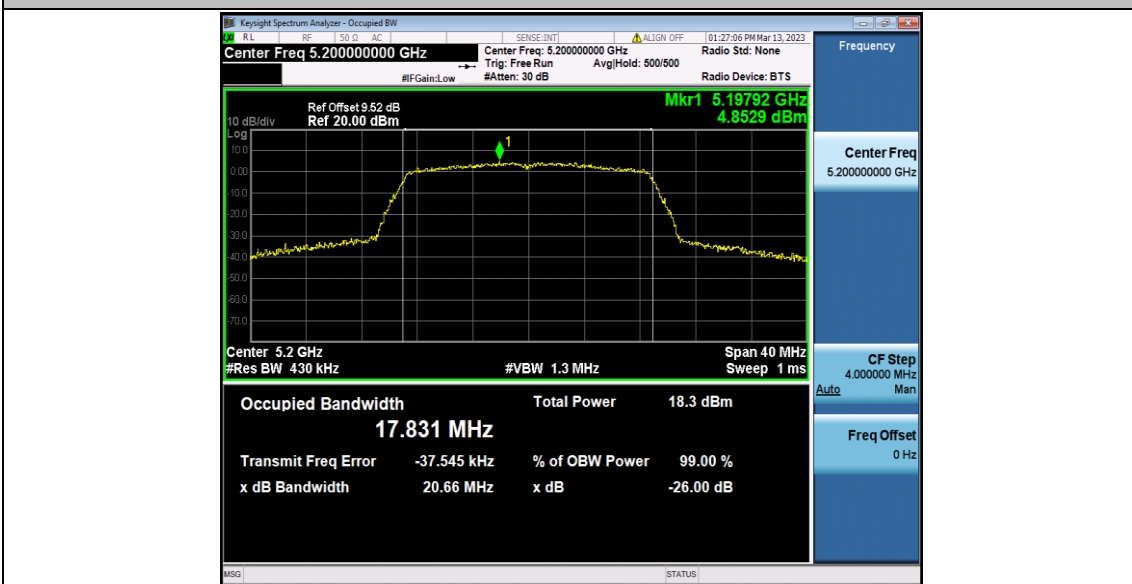




11N20SISO_Ant2_5180



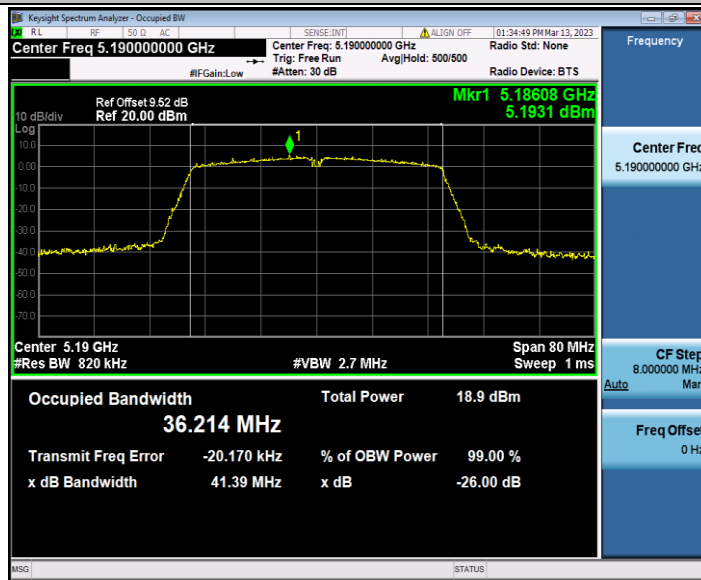
11N20SISO_Ant2_5200



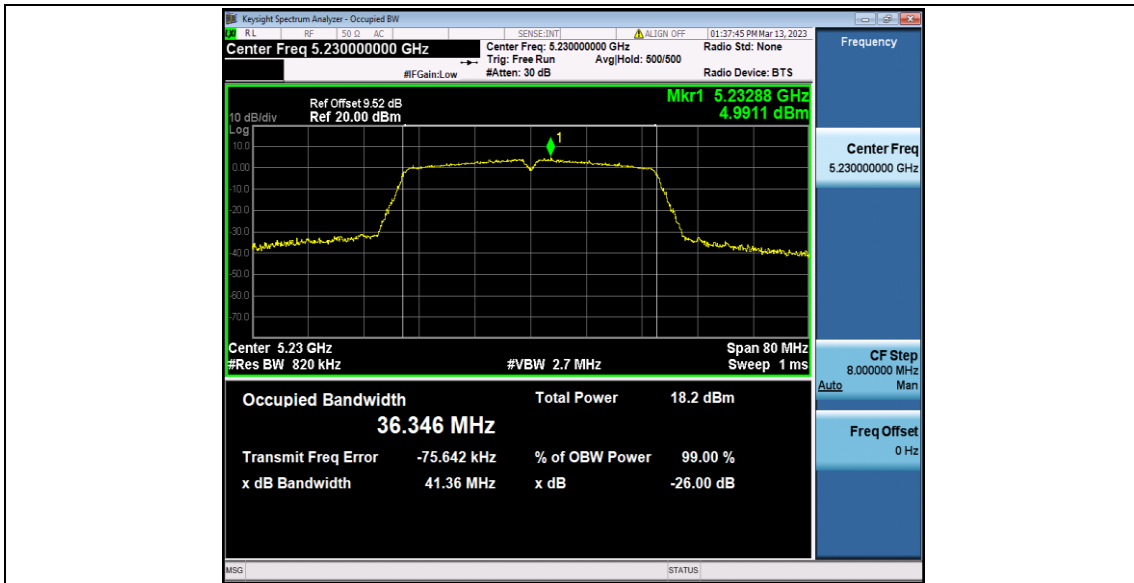
11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



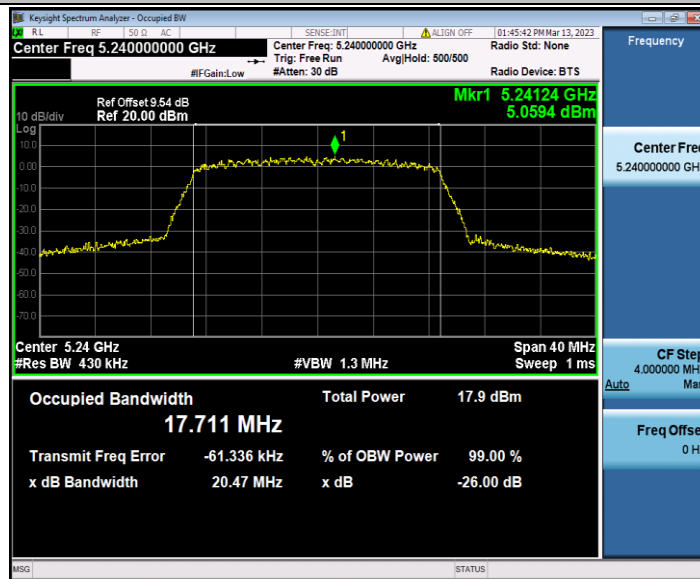
11AC20SISO_Ant2_5180



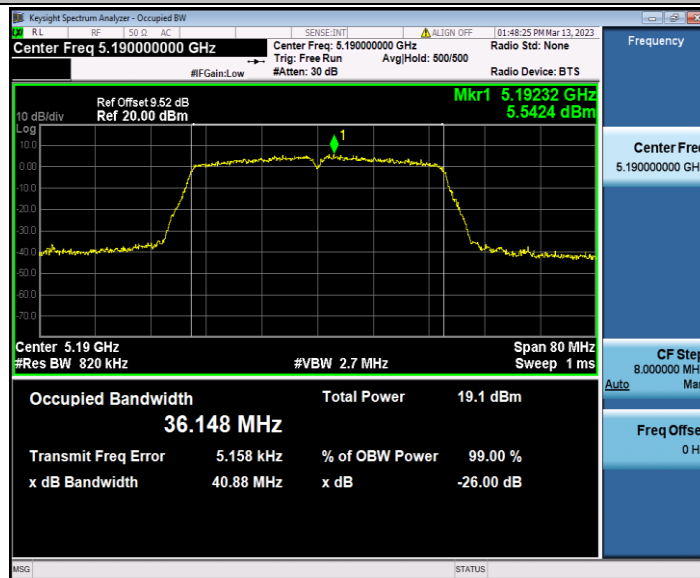
11AC20SISO_Ant2_5200



11AC20SISO_Ant2_5240



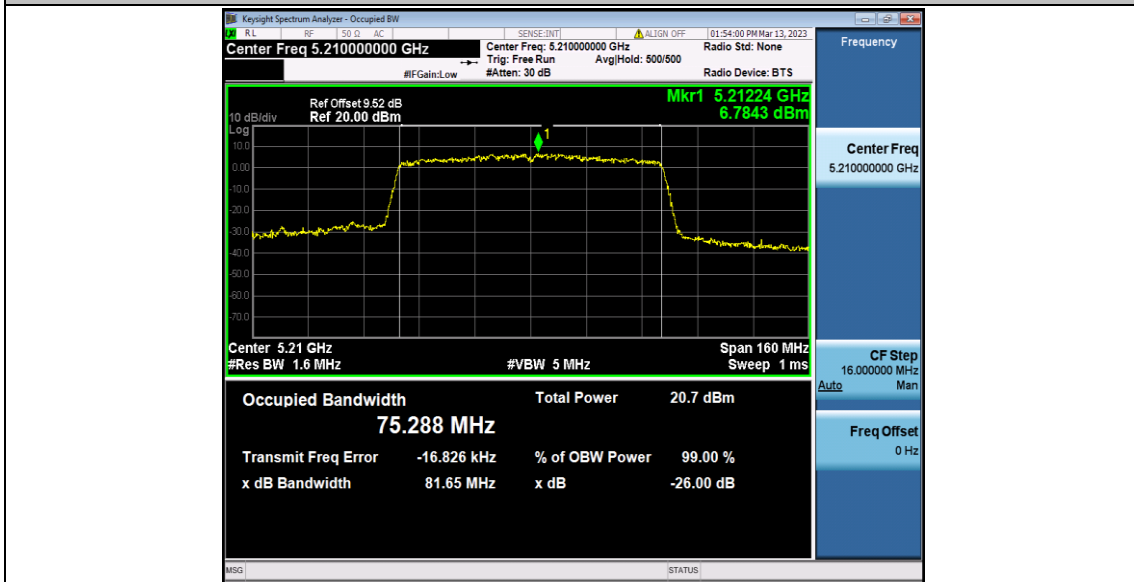
11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210

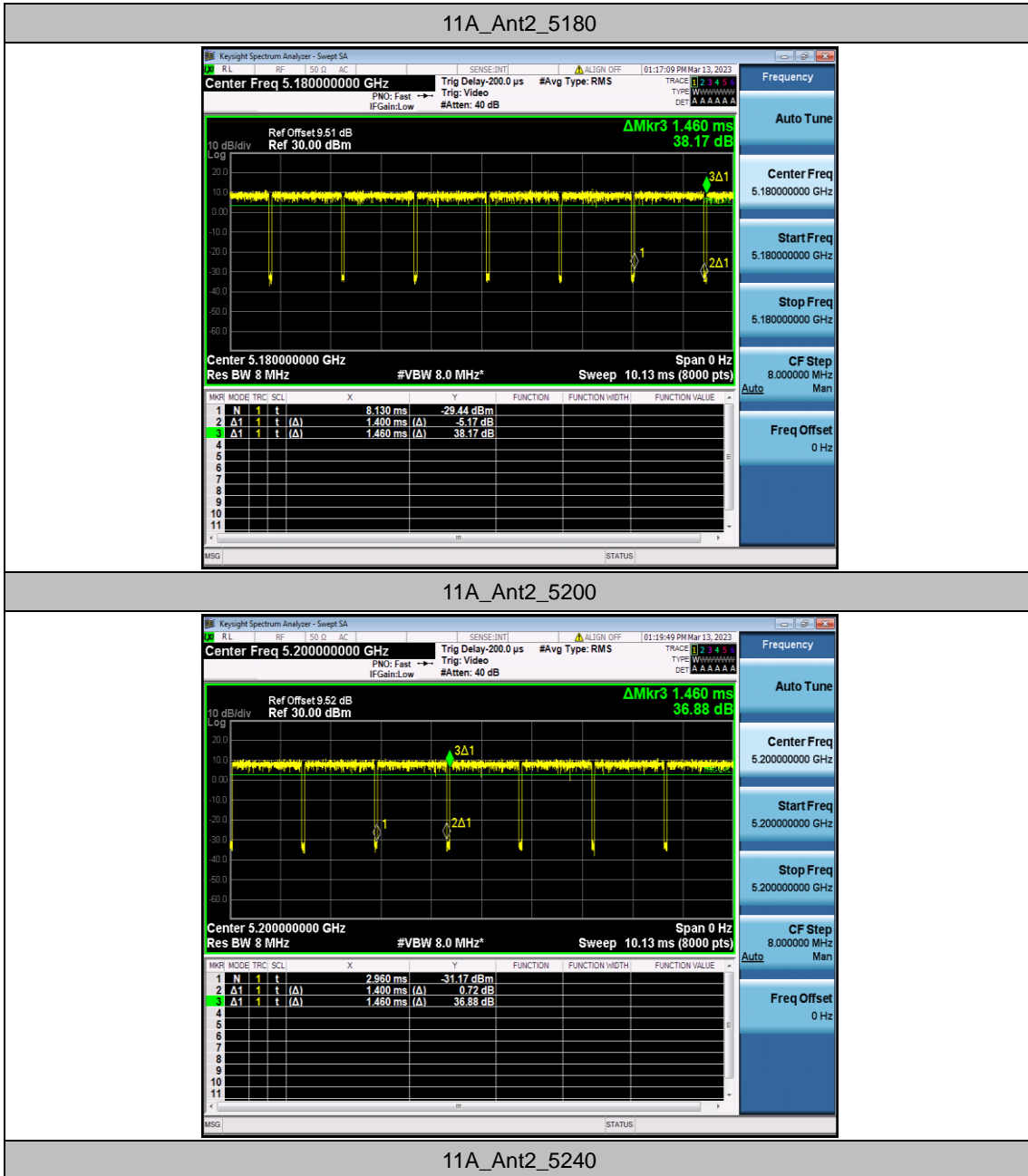


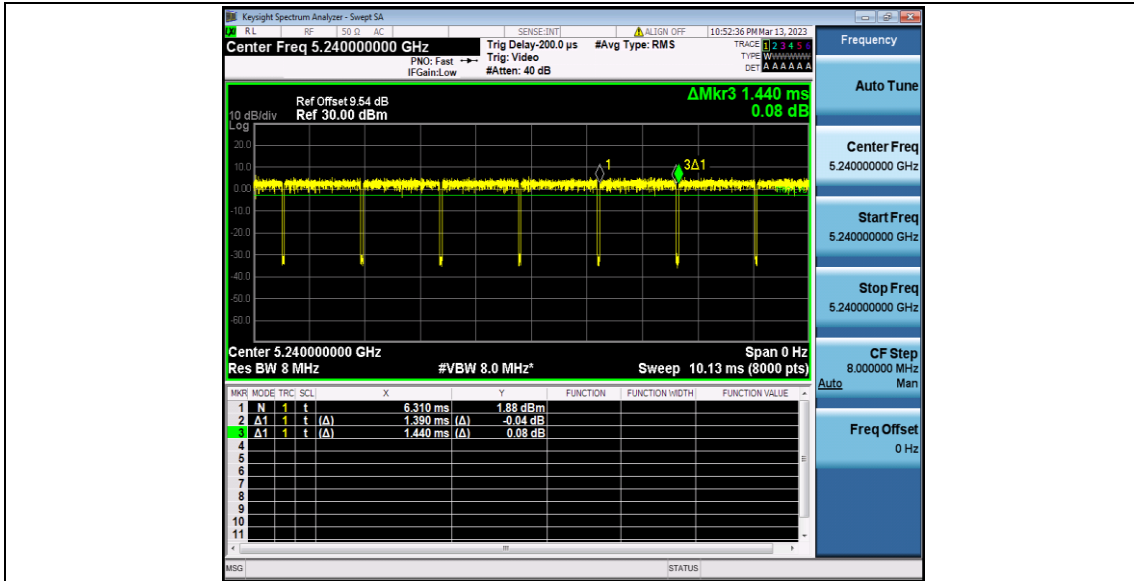
Appendix B.3: Duty Cycle

Test Result

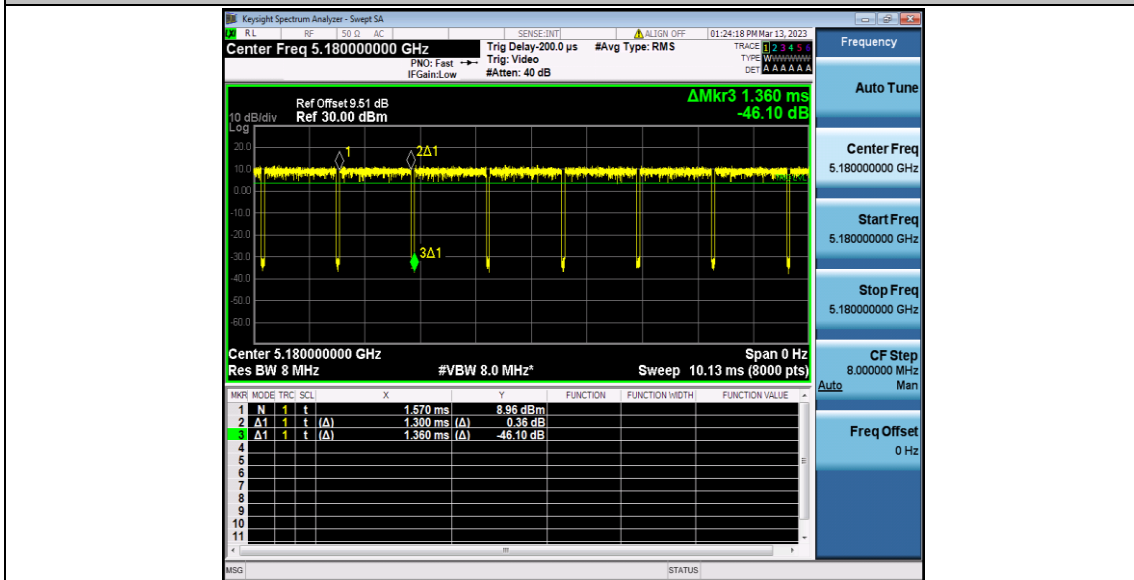
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant2	5180	1.40	1.46	95.89
		5200	1.40	1.46	95.89
		5240	1.39	1.44	96.53
11N20SISO	Ant2	5180	1.30	1.36	95.59
		5200	1.31	1.37	95.62
		5240	1.30	1.34	97.01
11N40SISO	Ant2	5190	0.68	0.98	69.39
		5230	0.65	0.71	91.55
11AC20SISO	Ant2	5180	0.68	0.74	91.89
		5200	0.68	0.74	91.89
		5240	0.68	0.74	91.89
11AC40SISO	Ant2	5190	0.35	0.41	85.37
		5230	0.36	0.42	85.71
11AC80SISO	Ant2	5210	0.18	0.24	75.00

Test Graphs

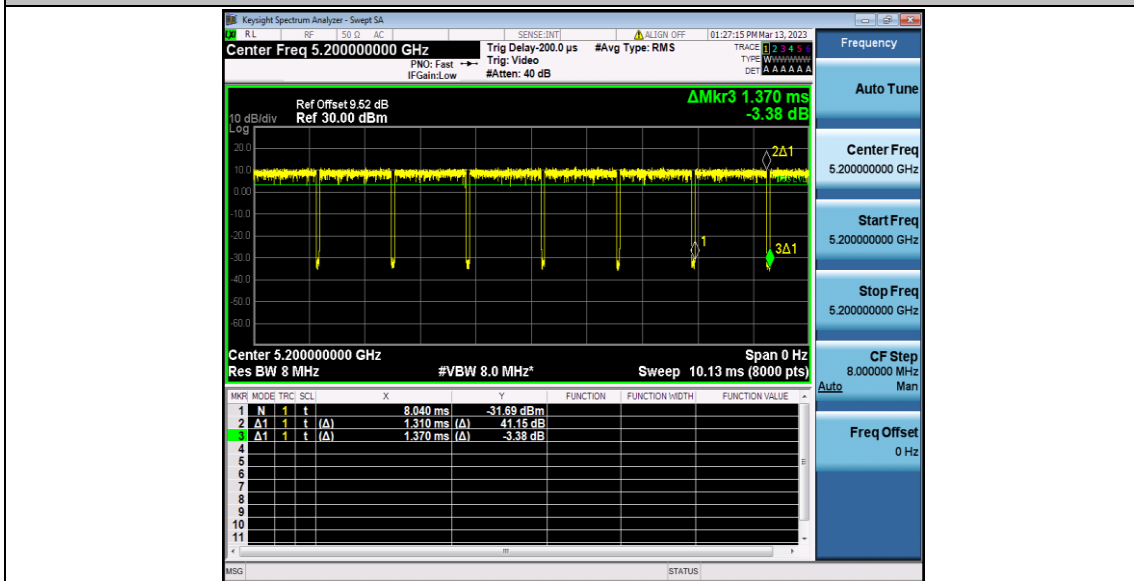




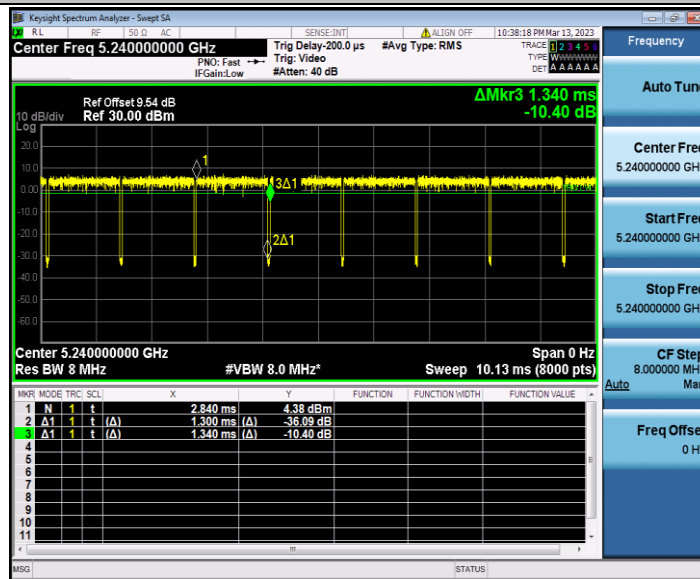
11N20SISO_Ant2_5180



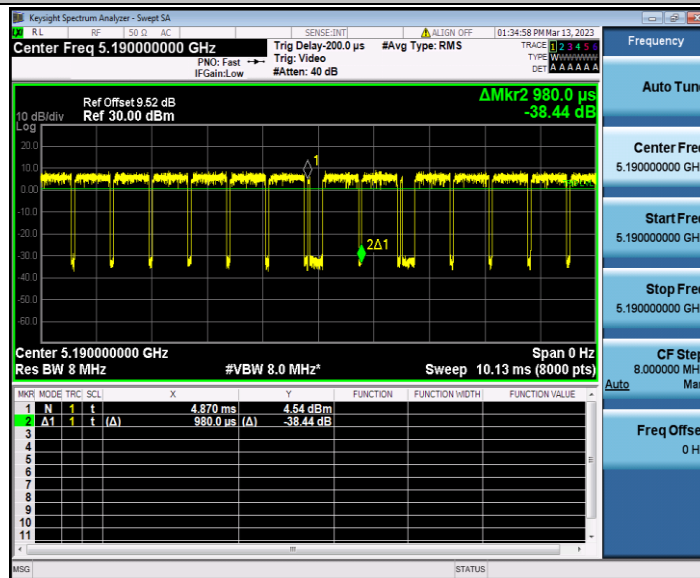
11N20SISO_Ant2_5200



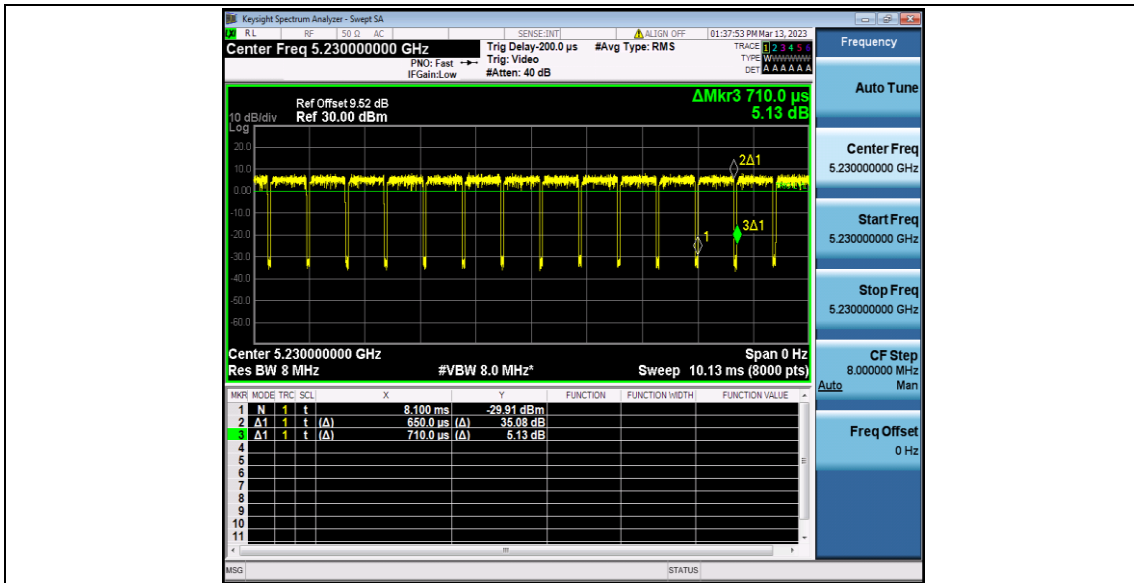
11N20SISO_Ant2_5240



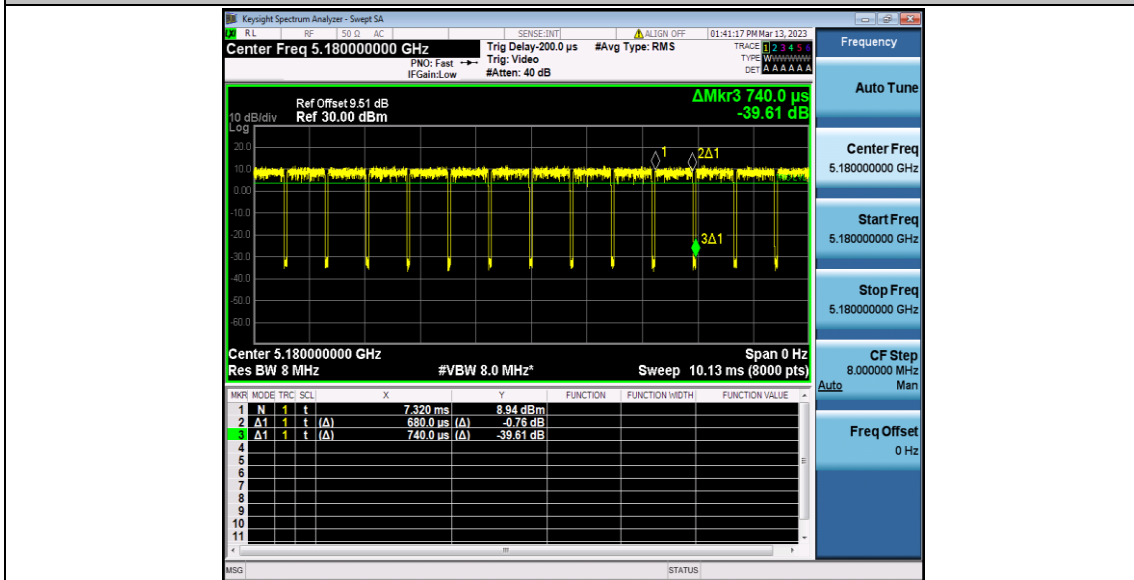
11N40SISO_Ant2_5190



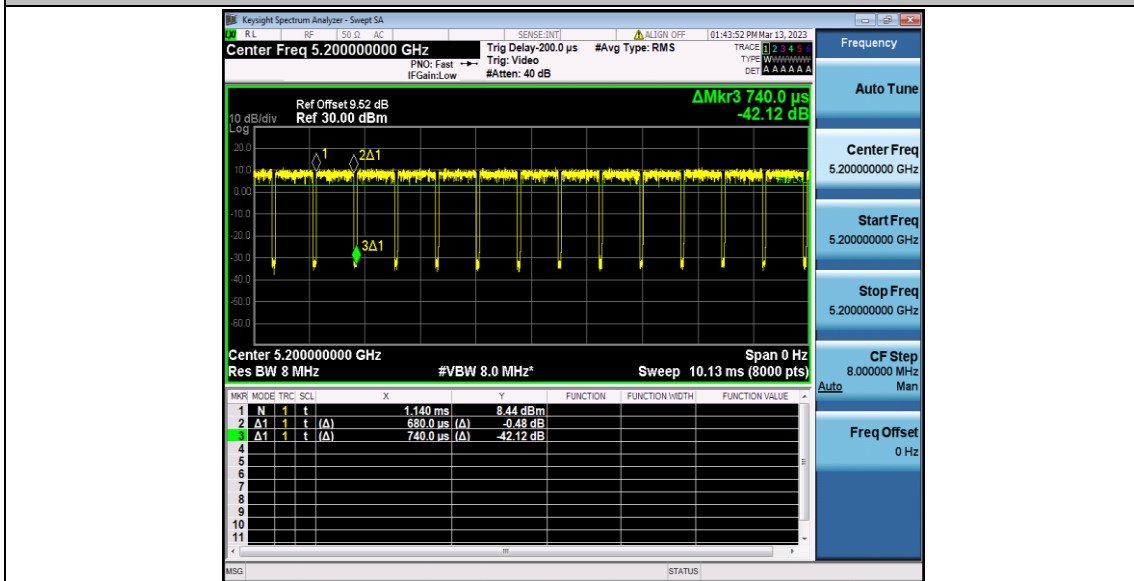
11N40SISO_Ant2_5230



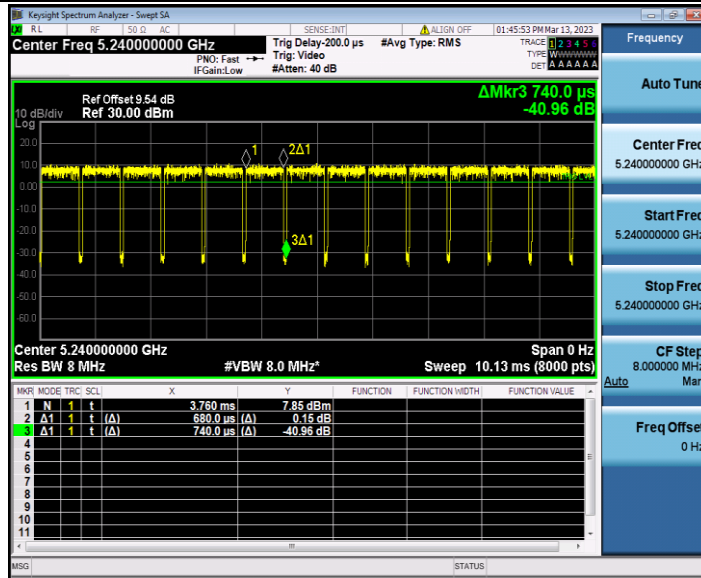
11AC20SISO_Ant2_5180



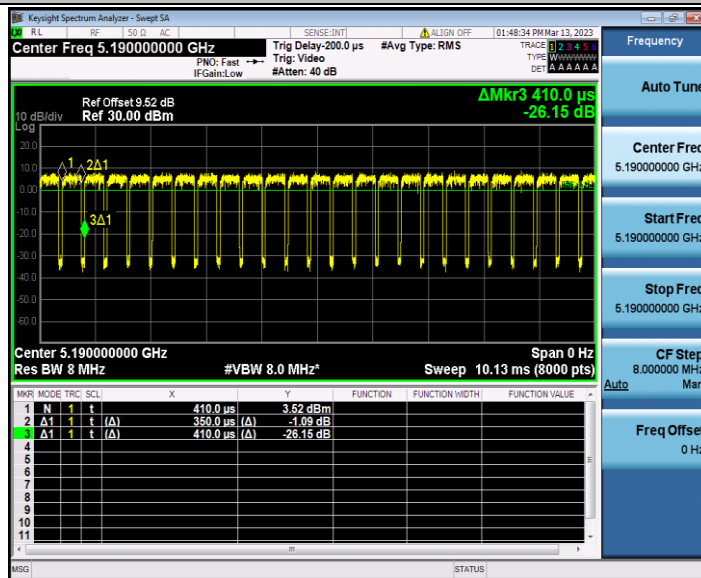
11AC20SISO_Ant2_5200



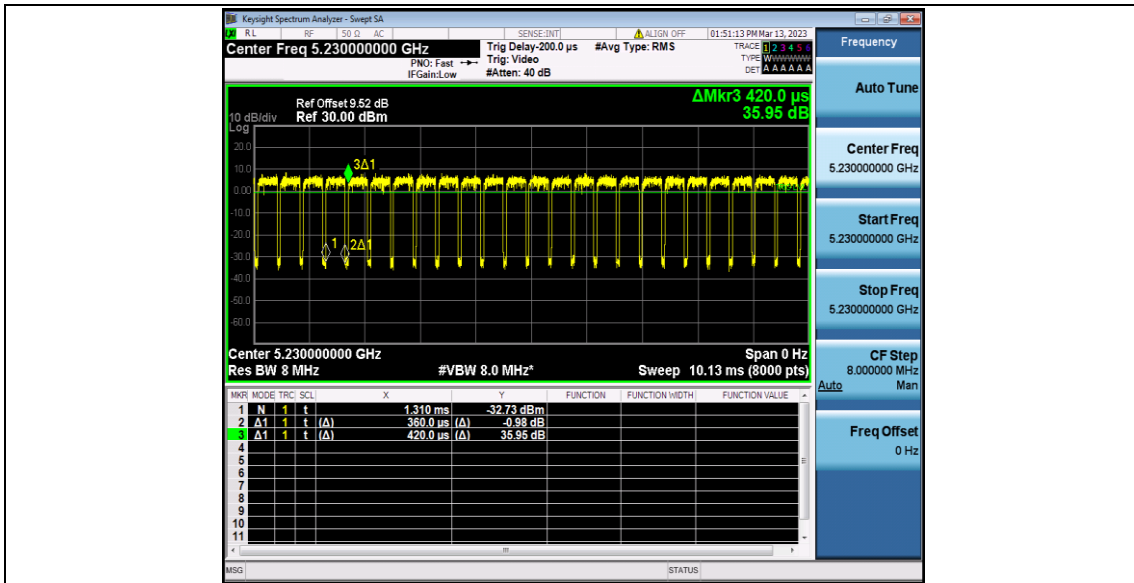
11AC20SISO_Ant2_5240



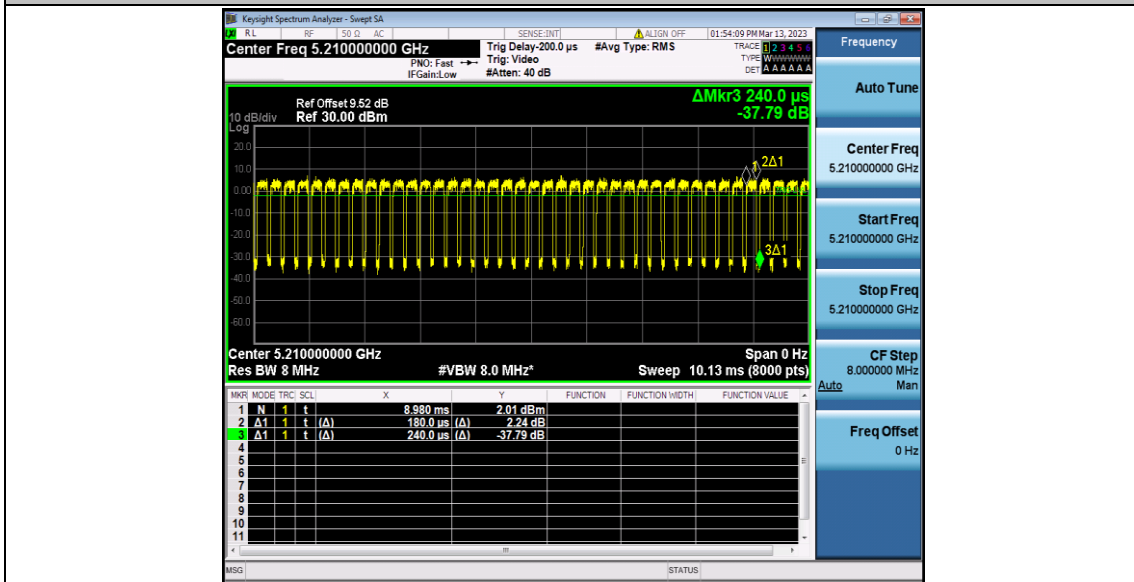
11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210



Appendix B.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	11.14	95.89	0.18	11.32	≤23.98	PASS
		5200	10.68	95.89	0.18	10.86	≤23.98	PASS
		5240	9.94	96.53	0.15	10.09	≤23.98	PASS
11N20SISO	Ant2	5180	11.69	95.59	0.20	11.89	≤23.98	PASS
		5200	11.30	95.62	0.19	11.49	≤23.98	PASS
		5240	10.55	97.01	0.13	10.68	≤23.98	PASS
11N40SISO	Ant2	5190	9.44	69.39	1.59	11.03	≤23.98	PASS
		5230	10.41	91.55	0.38	10.79	≤23.98	PASS
11AC20SISO	Ant2	5180	11.12	91.89	0.37	11.49	≤23.98	PASS
		5200	10.66	91.89	0.37	11.03	≤23.98	PASS
		5240	9.93	91.89	0.37	10.30	≤23.98	PASS
11AC40SISO	Ant2	5190	10.27	85.37	0.69	10.96	≤23.98	PASS
		5230	9.64	85.71	0.67	10.31	≤23.98	PASS
11AC80SISO	Ant2	5210	10.68	75.00	1.25	11.93	≤23.98	PASS

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

Appendix B.5: Maximum power spectral density

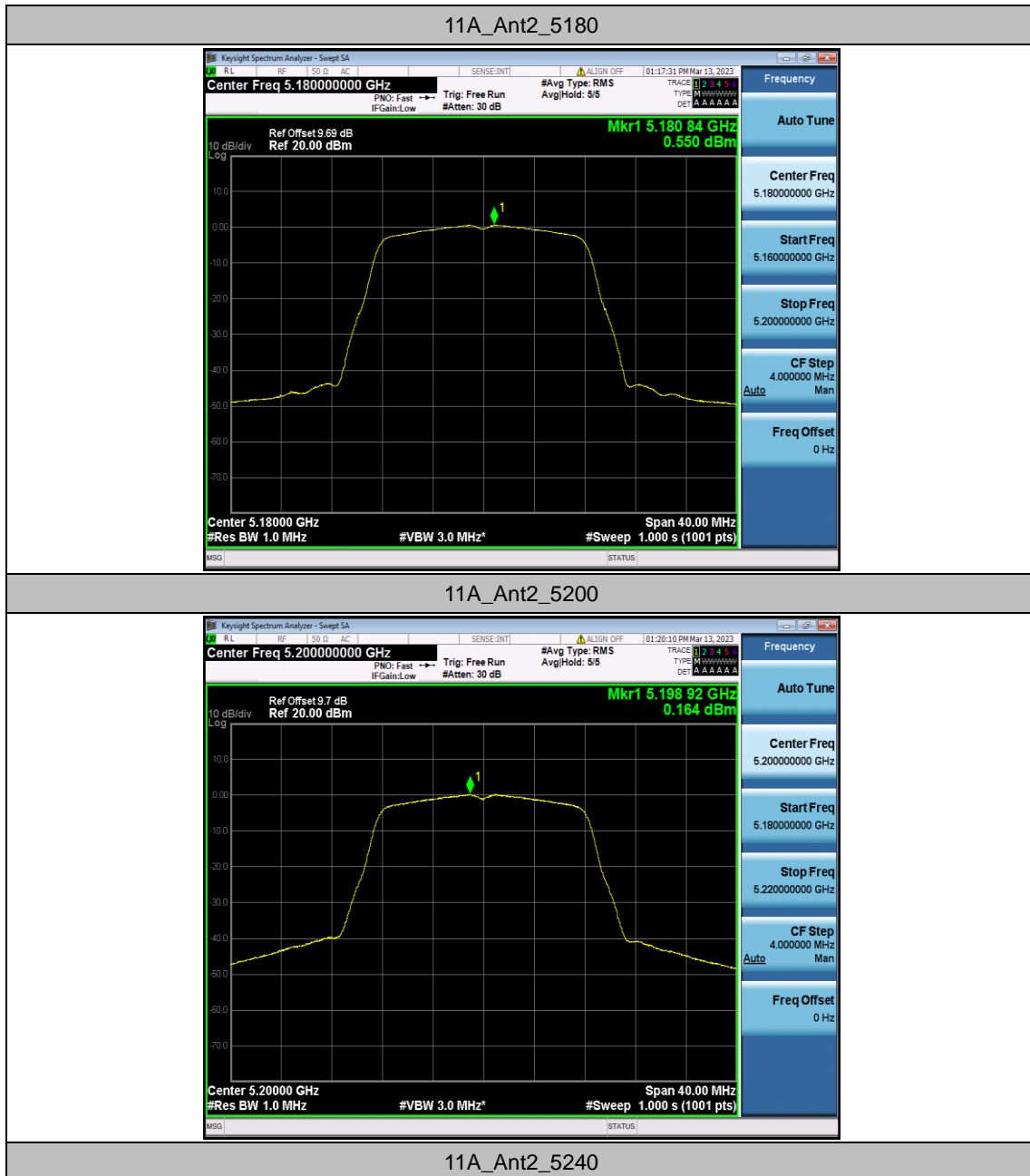
Test Result

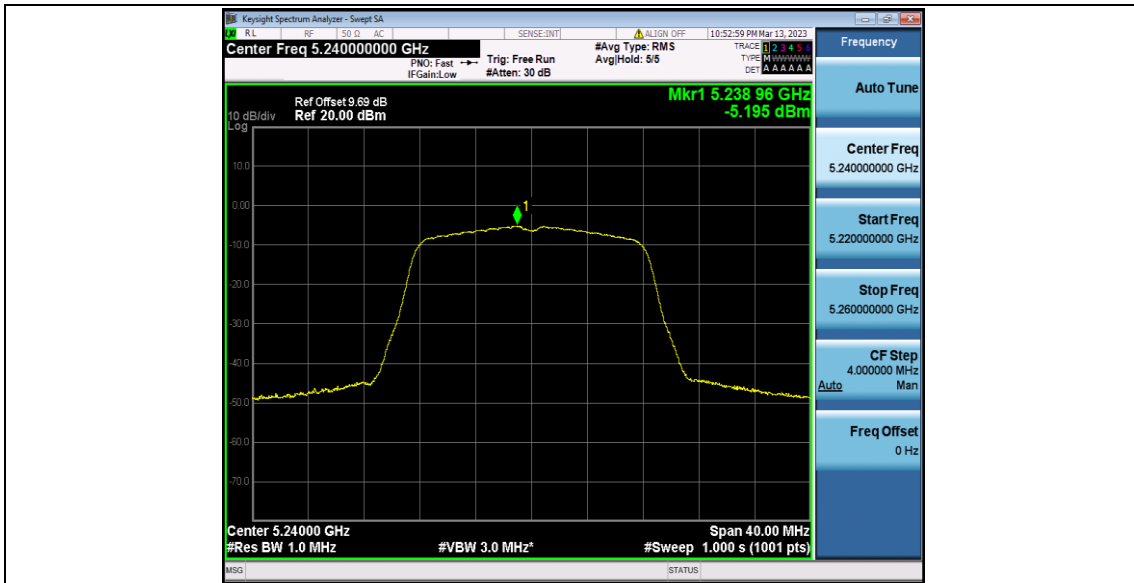
TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5180	0.55	≤11.00	PASS
		5200	0.16	≤11.00	PASS
		5240	-5.2	≤11.00	PASS
11N20SISO	Ant2	5180	1.08	≤11.00	PASS
		5200	0.74	≤11.00	PASS
		5240	-3.7	≤11.00	PASS
11N40SISO	Ant2	5190	-0.83	≤11.00	PASS
		5230	-2.7	≤11.00	PASS
11AC20SISO	Ant2	5180	0.69	≤11.00	PASS
		5200	0.34	≤11.00	PASS
		5240	-0.27	≤11.00	PASS
11AC40SISO	Ant2	5190	-2.52	≤11.00	PASS
		5230	-3.17	≤11.00	PASS
11AC80SISO	Ant2	5210	-4.39	≤11.00	PASS

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

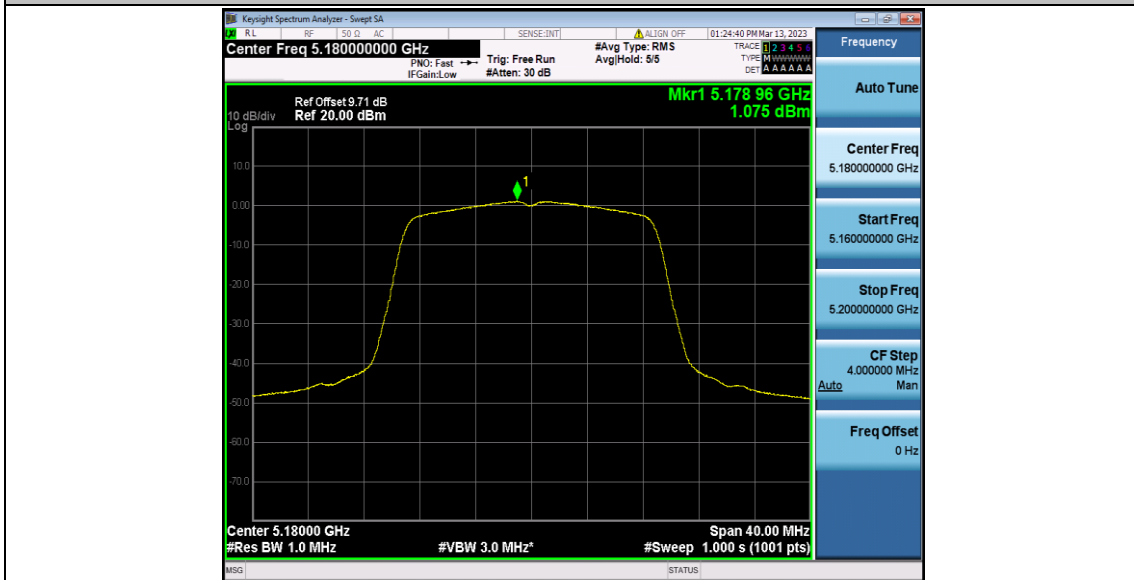
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

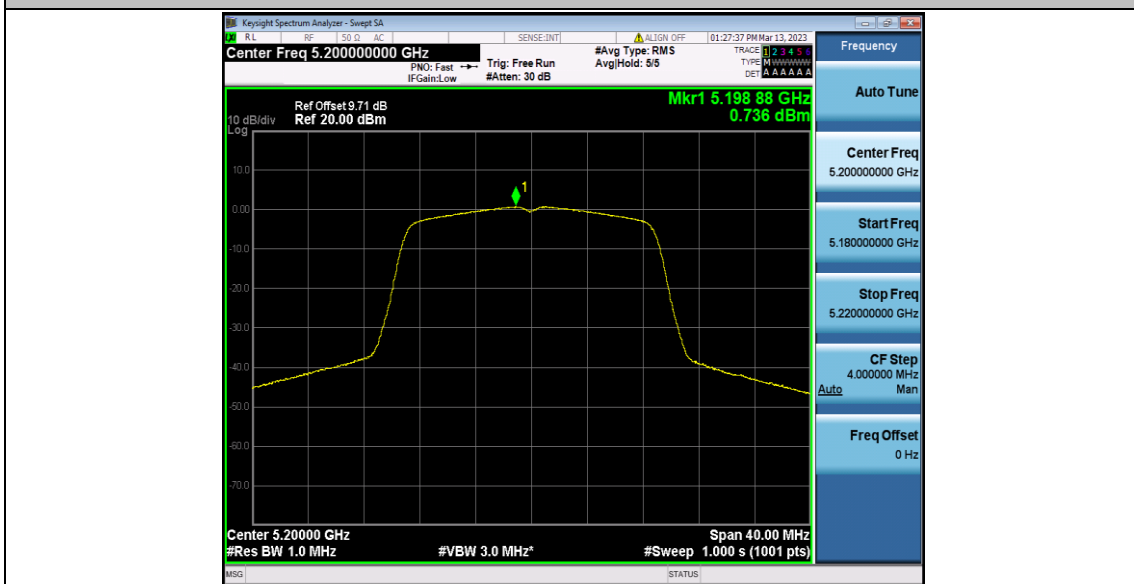




11N20SISO_Ant2_5180



11N20SISO_Ant2_5200



11N20SISO_Ant2_5240



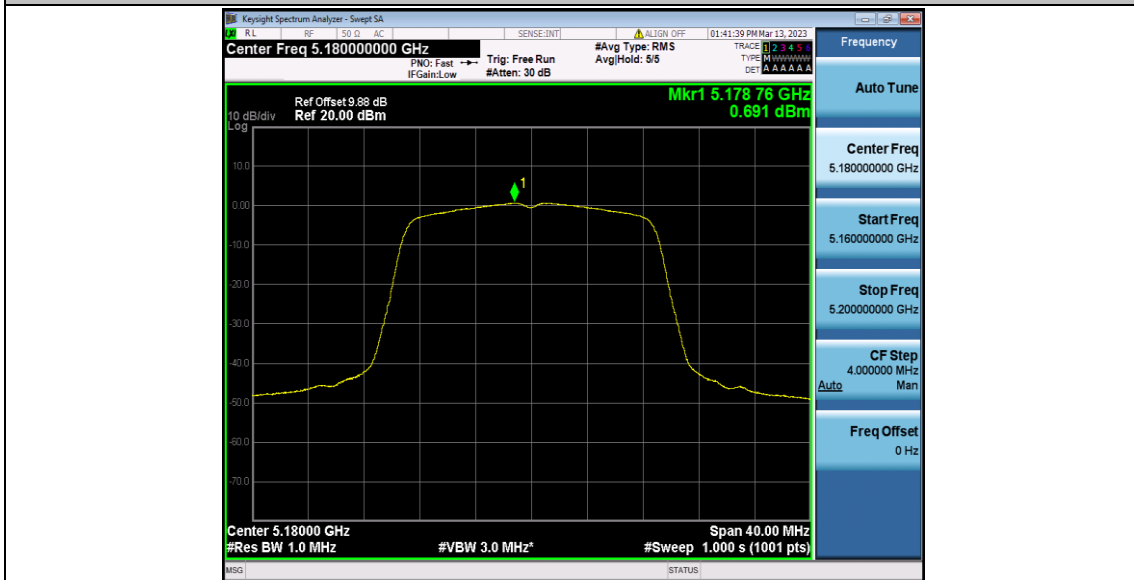
11N40SISO_Ant2_5190



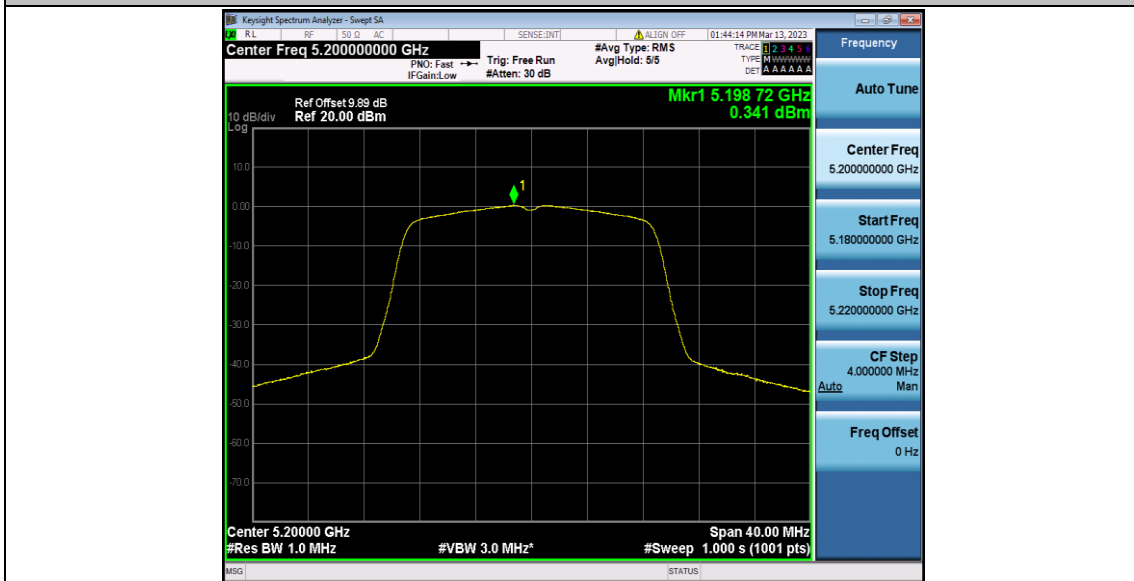
11N40SISO_Ant2_5230



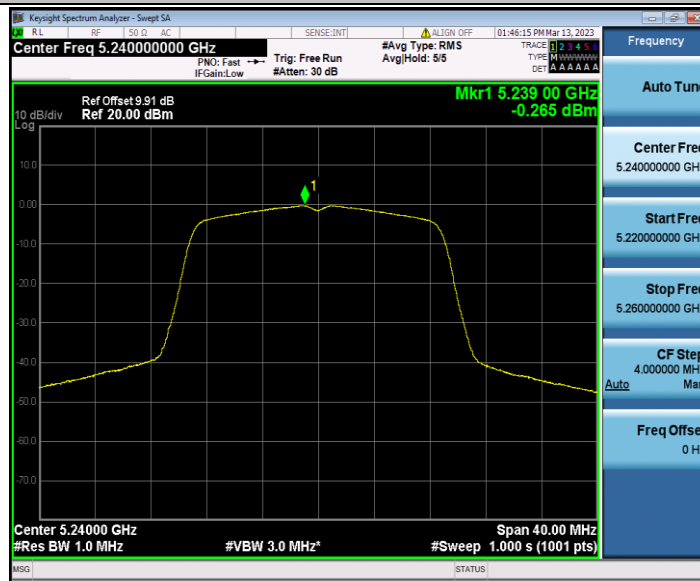
11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5200



11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230