

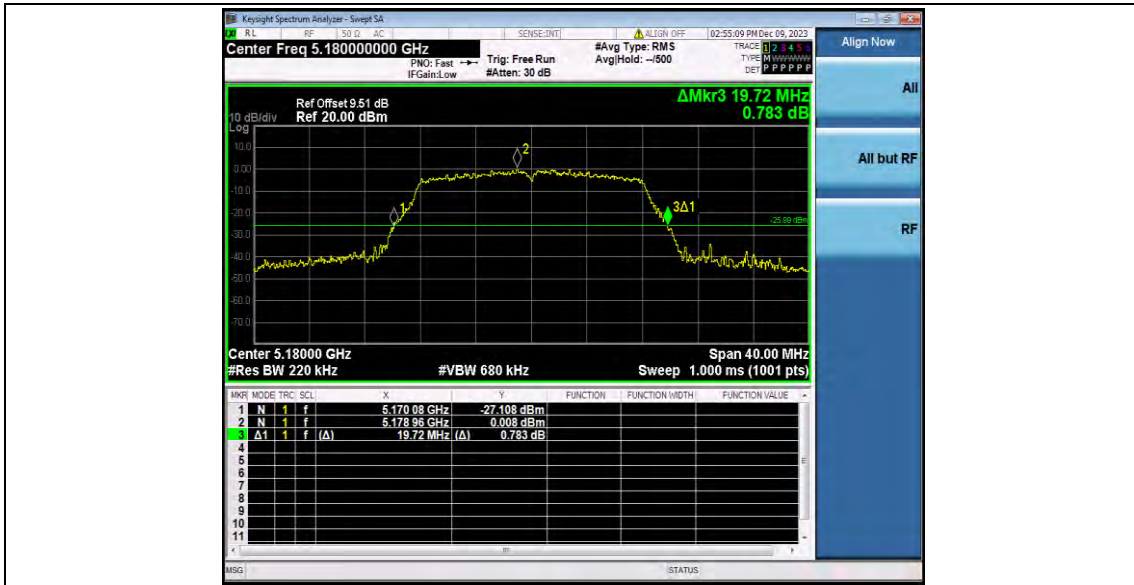
Case No. : <u>GTS20231018011-1-18</u>
Ambient Condition: <u>23 °C, 49 %RH, Atmos100.1Kpa,</u>
Test Date: <u>2023.12.4</u> Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.720	5170.080	5189.800	---	---
		5200	19.840	5190.120	5209.960	---	---
		5240	19.280	5230.440	5249.720	---	---
11N20SISO	Ant1	5180	20.080	5169.960	5190.040	---	---
		5200	20.120	5189.880	5210.000	---	---
		5240	20.040	5229.880	5249.920	---	---
11N40SISO	Ant1	5190	40.240	5169.760	5210.000	---	---
		5230	40.160	5210.000	5250.160	---	---
11AC20SISO	Ant1	5180	20.120	5169.960	5190.080	---	---
		5200	20.040	5190.000	5210.040	---	---
		5240	20.240	5229.880	5250.120	---	---
11AC40SISO	Ant1	5190	40.320	5169.920	5210.240	---	---
		5230	40.320	5209.840	5250.160	---	---
11AC80SISO	Ant1	5210	81.440	5169.360	5250.800	---	---

Test Graphs



11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



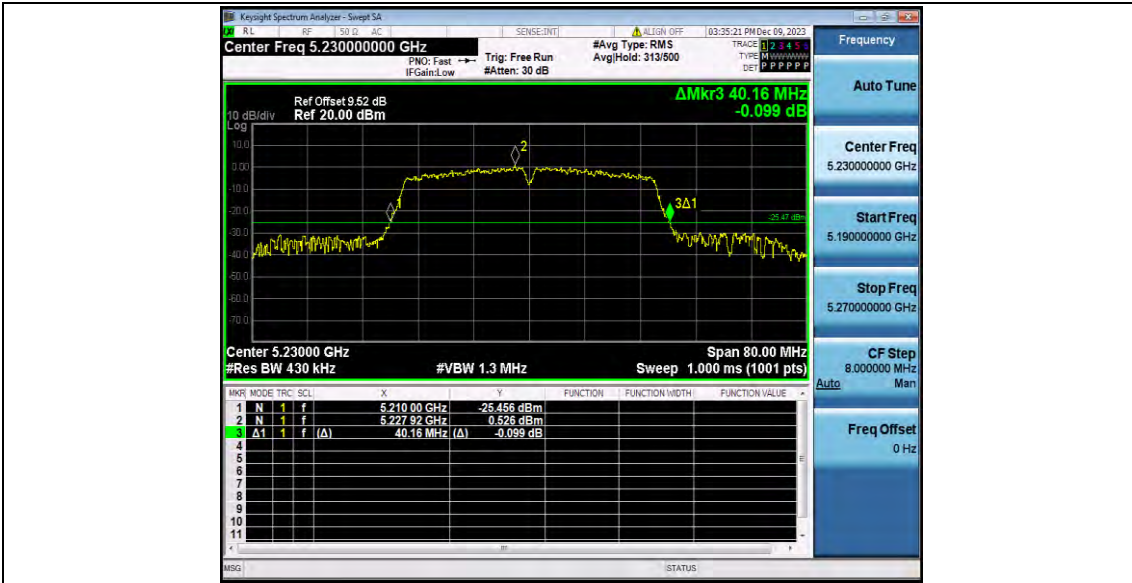
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



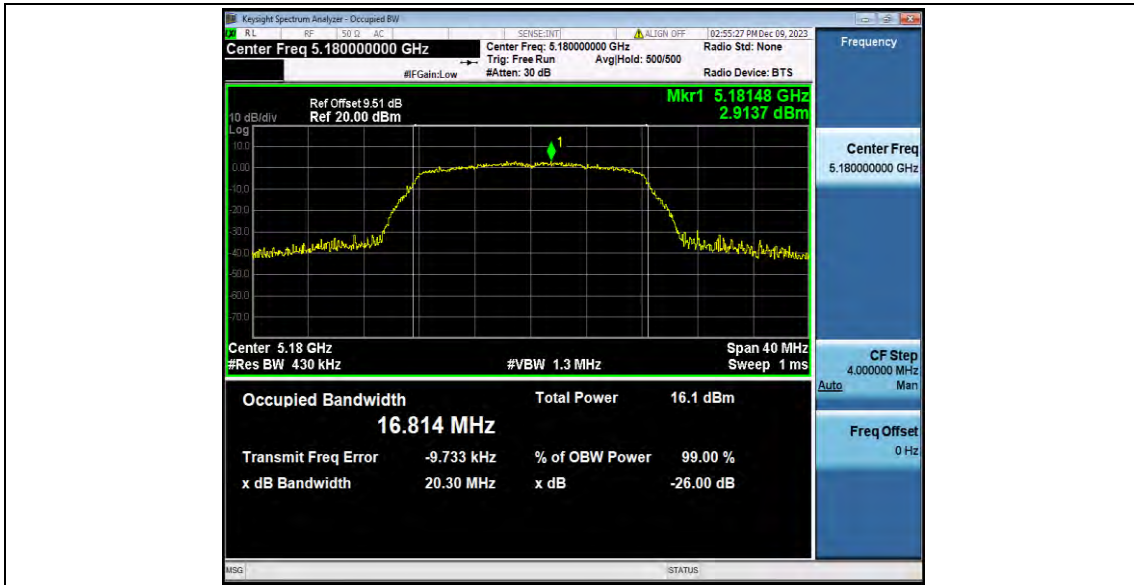
11AC80SISO_Ant1_5210

Appendix D.2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.814	5171.583	5188.397	---	---
		5200	16.858	5191.600	5208.458	---	---
		5240	16.836	5231.625	5248.461	---	---
11N20SISO	Ant1	5180	17.707	5171.154	5188.861	---	---
		5200	17.733	5191.124	5208.857	---	---
		5240	17.737	5231.135	5248.872	---	---
11N40SISO	Ant1	5190	36.238	5171.950	5208.188	---	---
		5230	36.283	5211.933	5248.216	---	---
11AC20SISO	Ant1	5180	17.707	5171.159	5188.866	---	---
		5200	17.685	5191.165	5208.850	---	---
		5240	17.701	5231.155	5248.856	---	---
11AC40SISO	Ant1	5190	36.122	5172.018	5208.140	---	---
		5230	36.181	5211.985	5248.166	---	---
11AC80SISO	Ant1	5210	75.789	5172.142	5247.931	---	---

Test Graphs



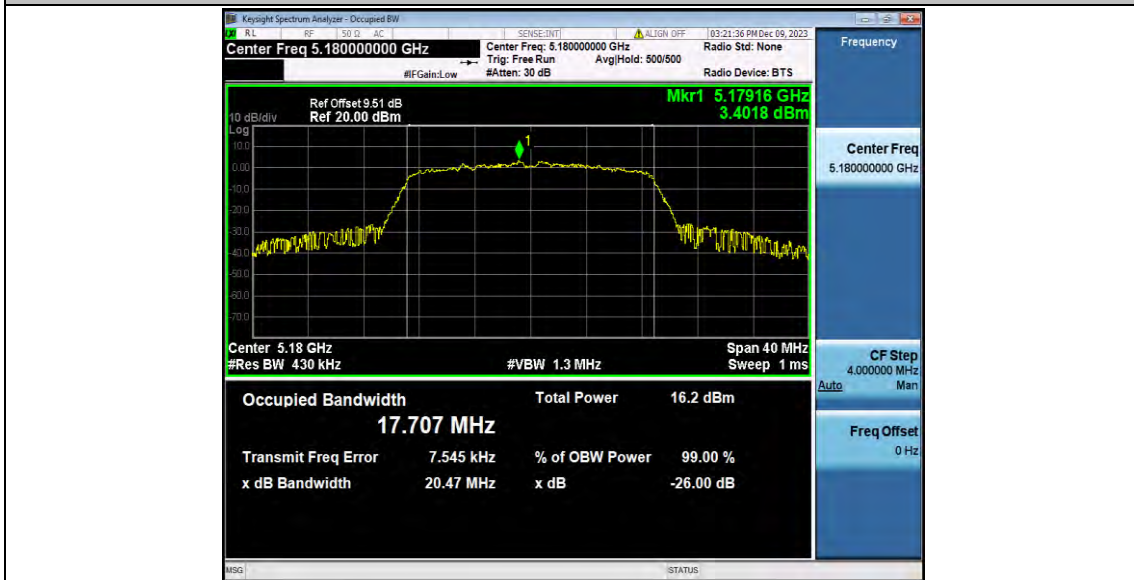
11A_Ant1_5180



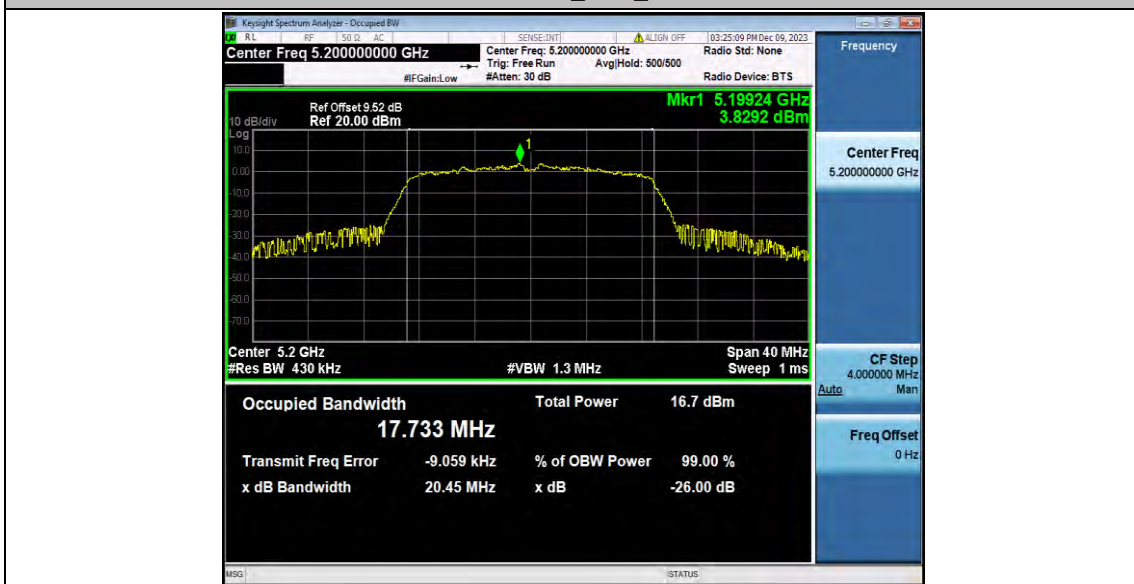
11A_Ant1_5200



11A_Ant1_5240



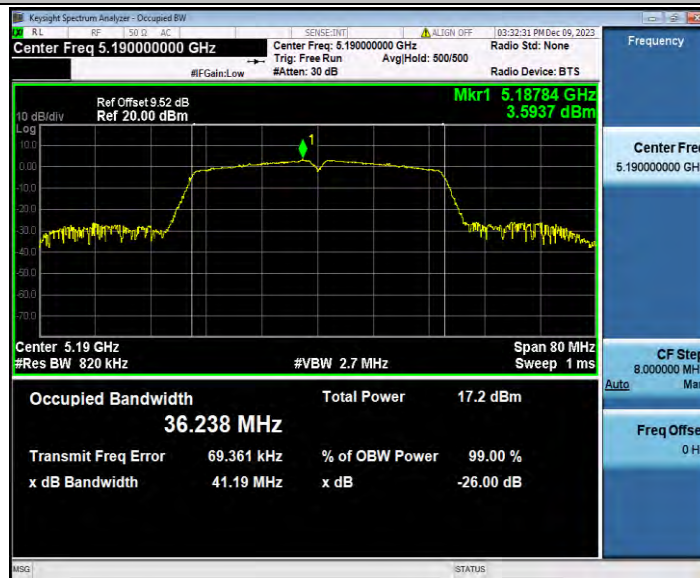
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



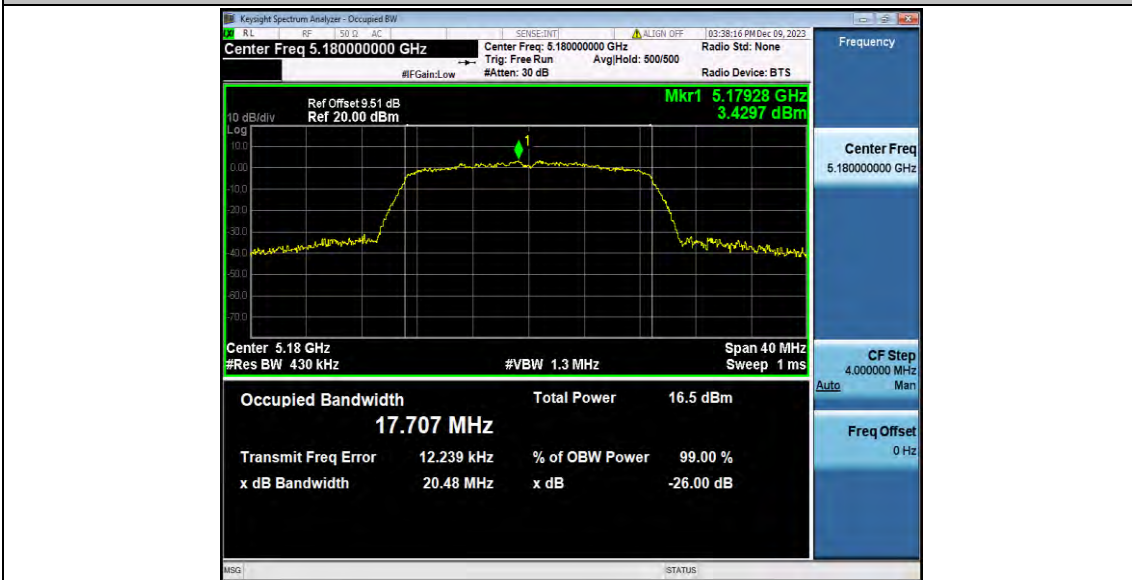
11N20SISO_Ant1_5240



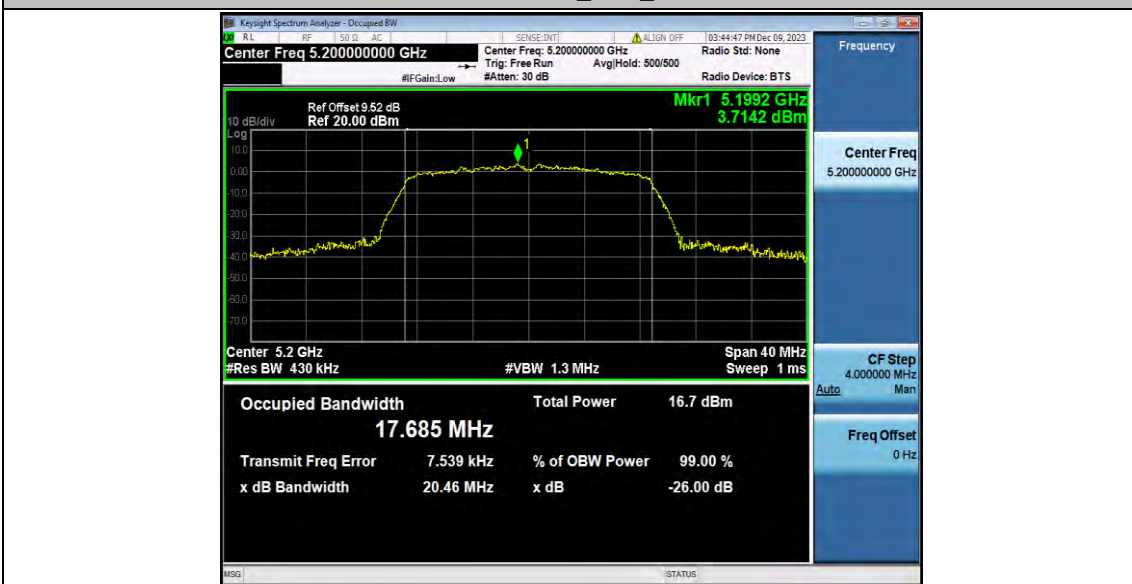
11N40SISO_Ant1_5190



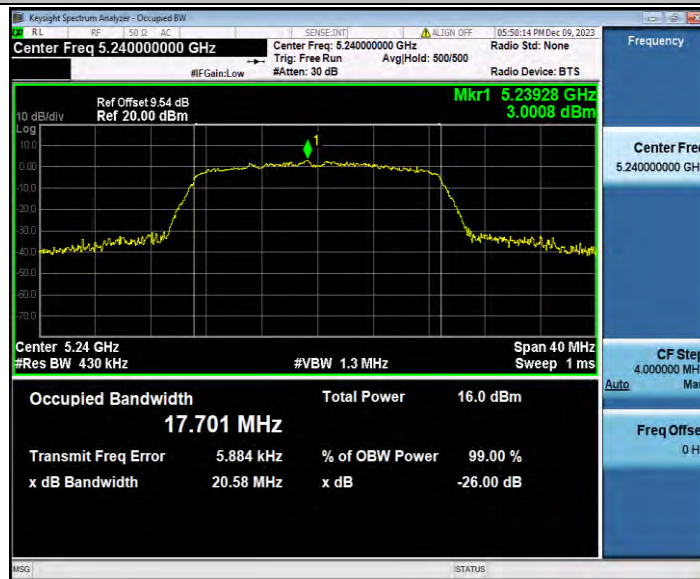
11N40SISO_Ant1_5230



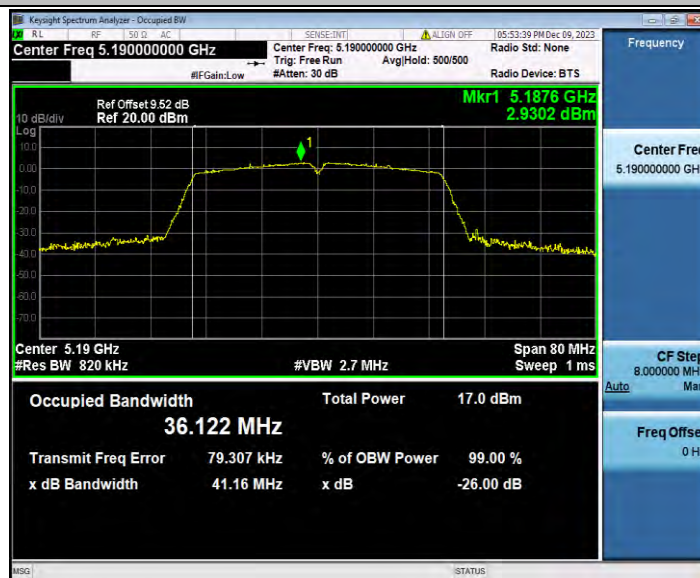
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



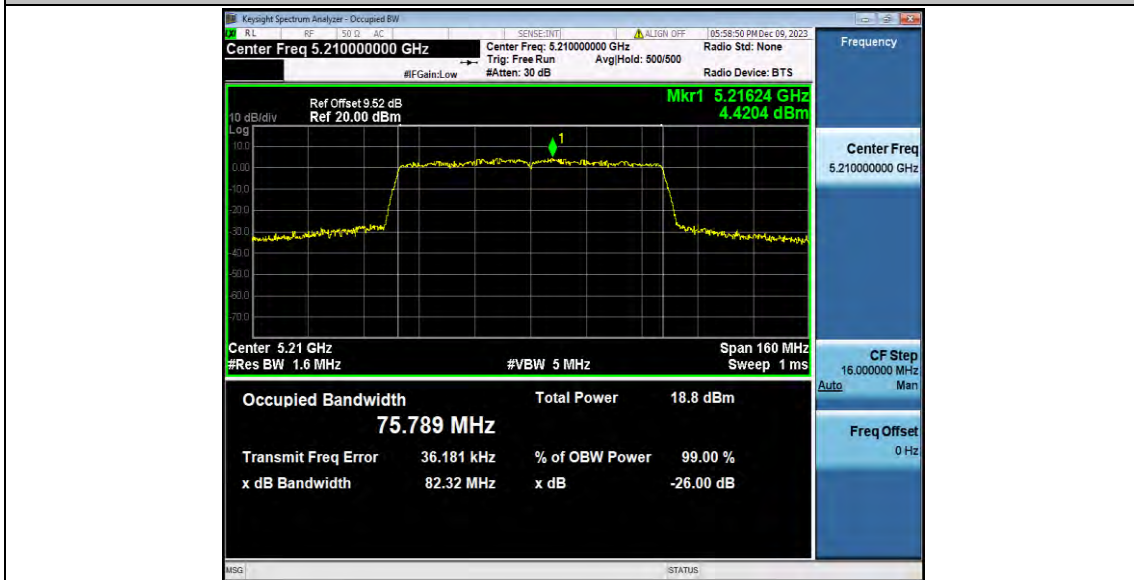
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



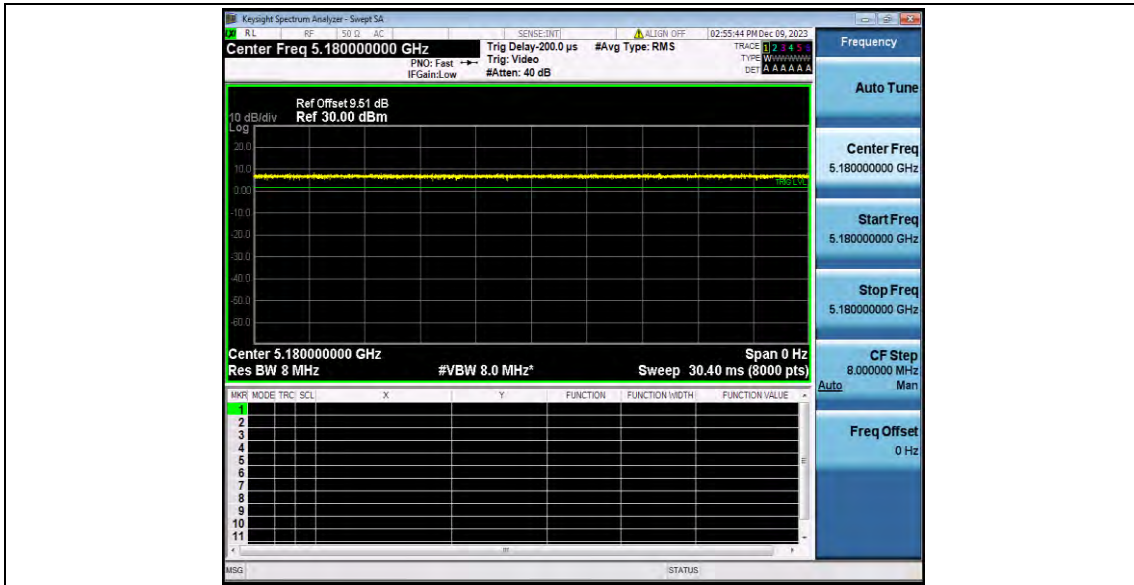
11AC80SISO_Ant1_5210

Appendix D.3: Duty Cycle

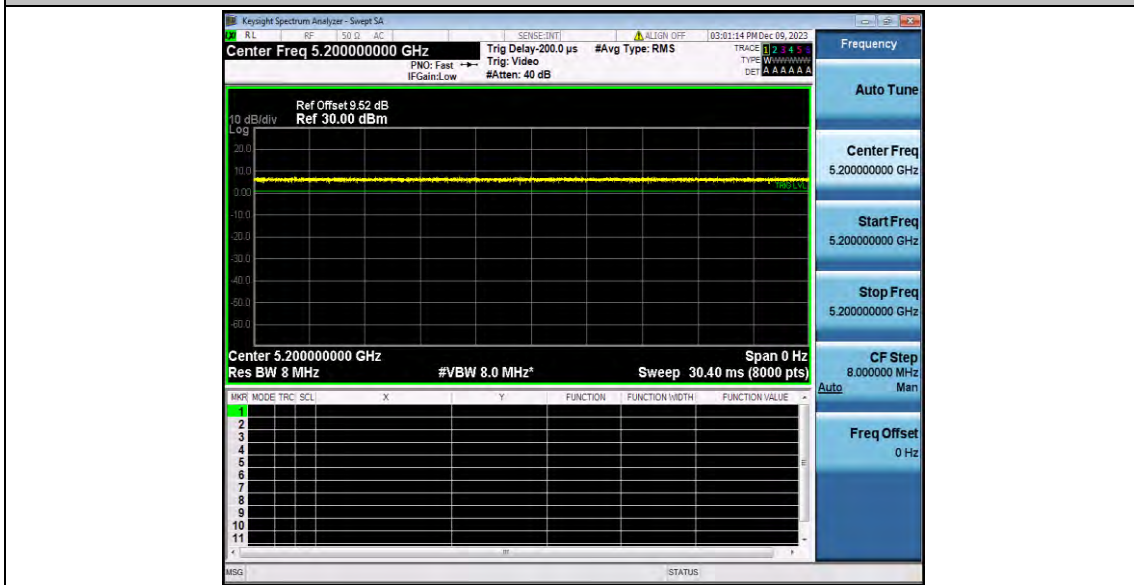
Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	30.00	30.00	100.00
		5200	30.00	30.00	100.00
		5240	30.00	30.00	100.00
11N20SISO	Ant1	5180	1.30	1.34	97.01
		5200	1.30	1.34	97.01
		5240	1.30	1.33	97.74
11N40SISO	Ant1	5190	0.65	0.68	95.59
		5230	0.65	0.69	94.20
11AC20SISO	Ant1	5180	1.31	1.35	97.04
		5200	1.31	1.35	97.04
		5240	1.31	1.35	97.04
11AC40SISO	Ant1	5190	0.65	0.68	95.59
		5230	0.65	0.69	94.20
11AC80SISO	Ant1	5210	0.32	0.36	88.89

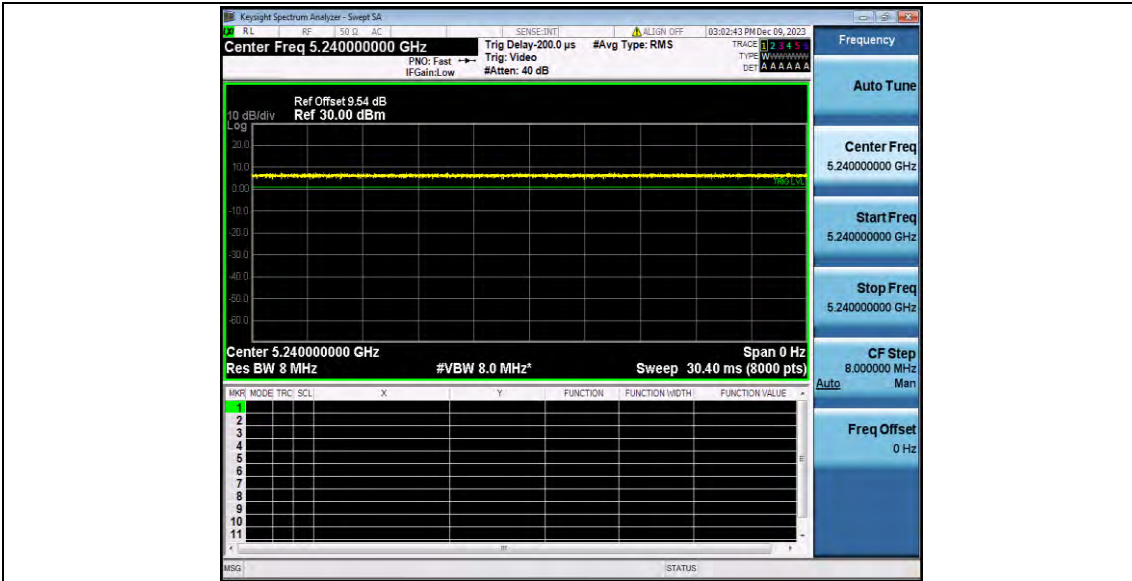
Test Graphs



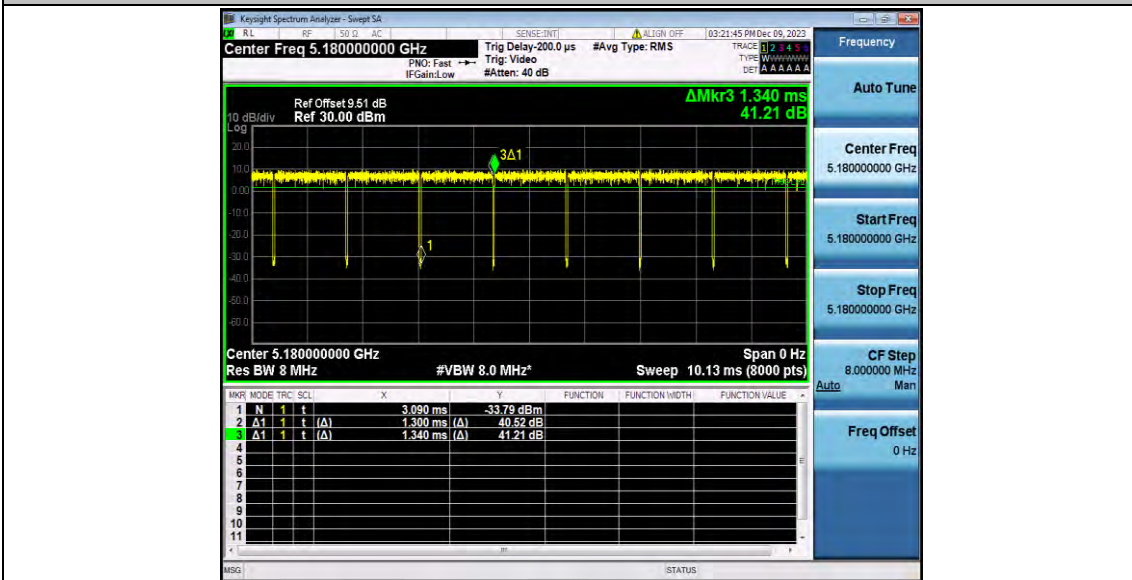
11A_Ant1_5180



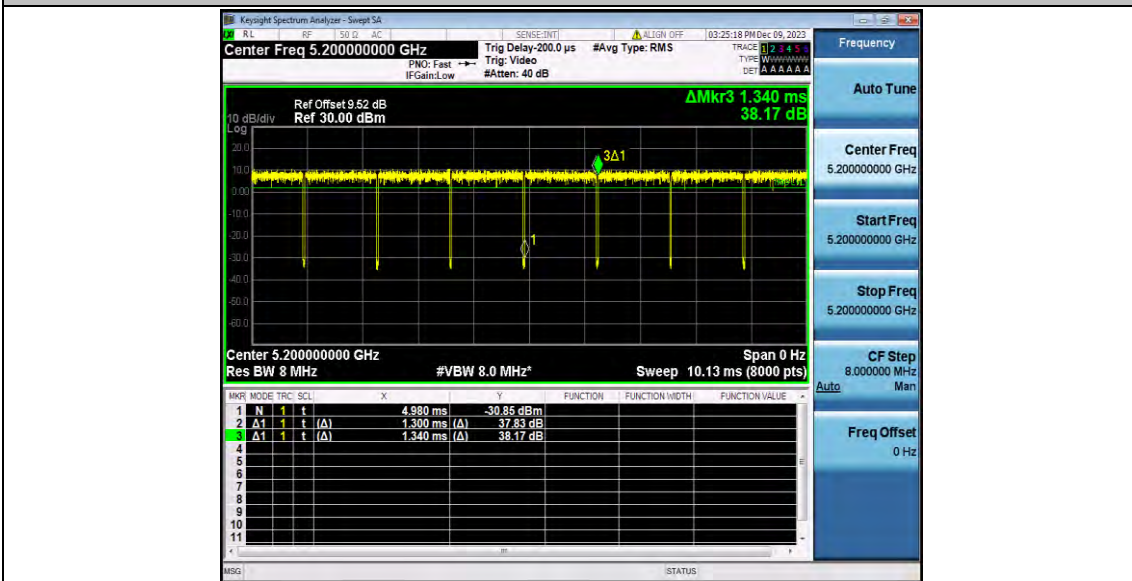
11A_Ant1_5200



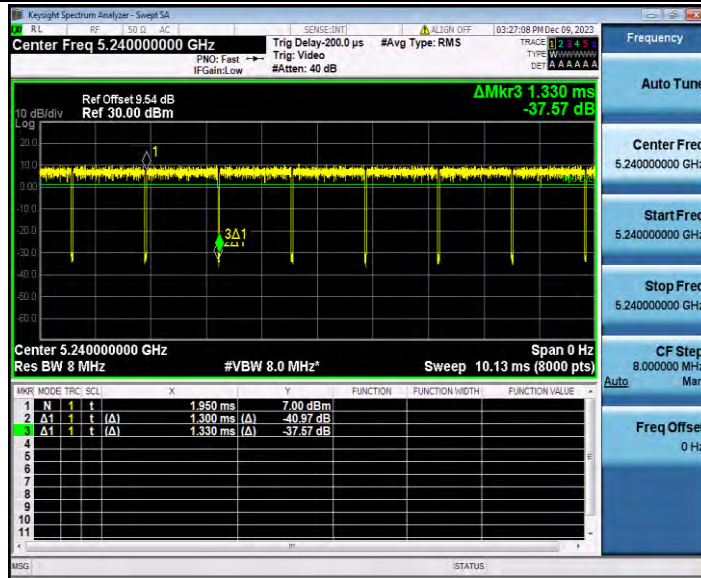
11A_Ant1_5240



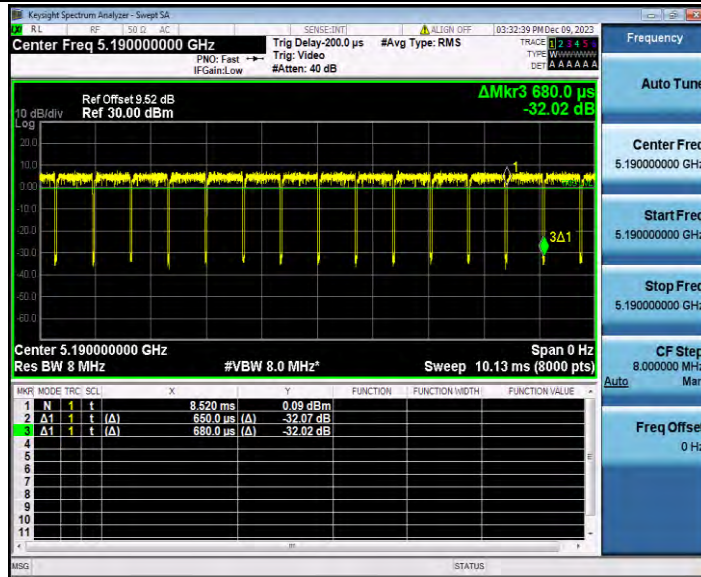
11N20SISO_Ant1_5180



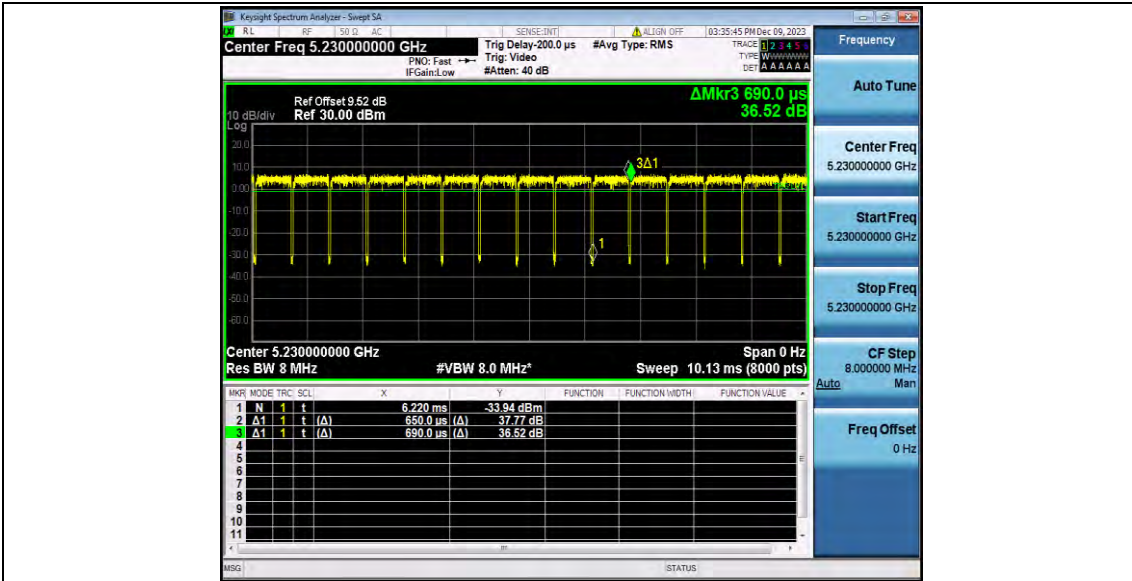
11N20SISO_Ant1_5200



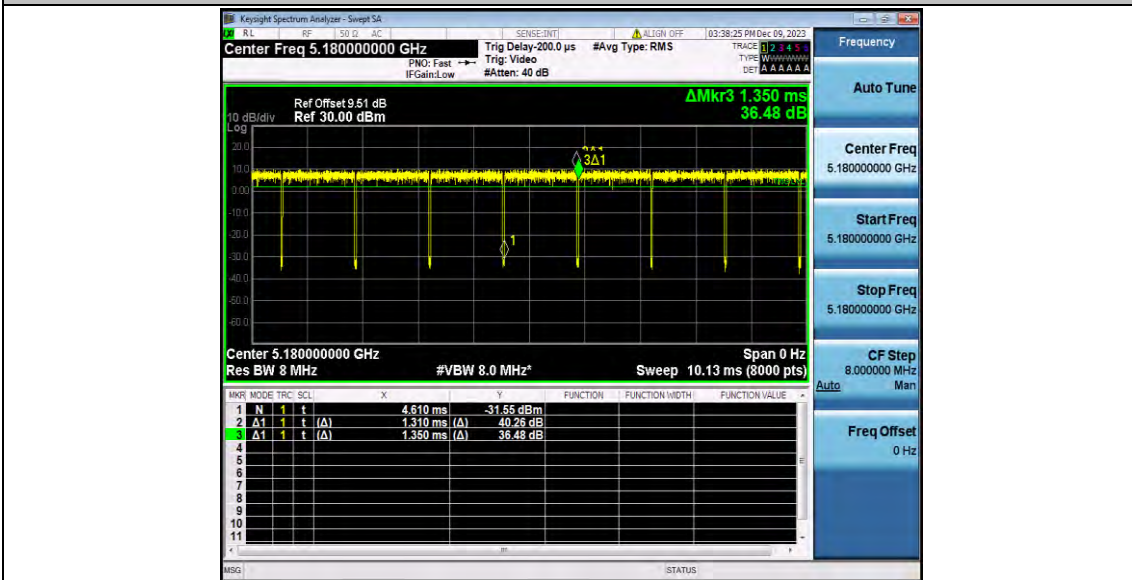
11N20SISO_Ant1_5240



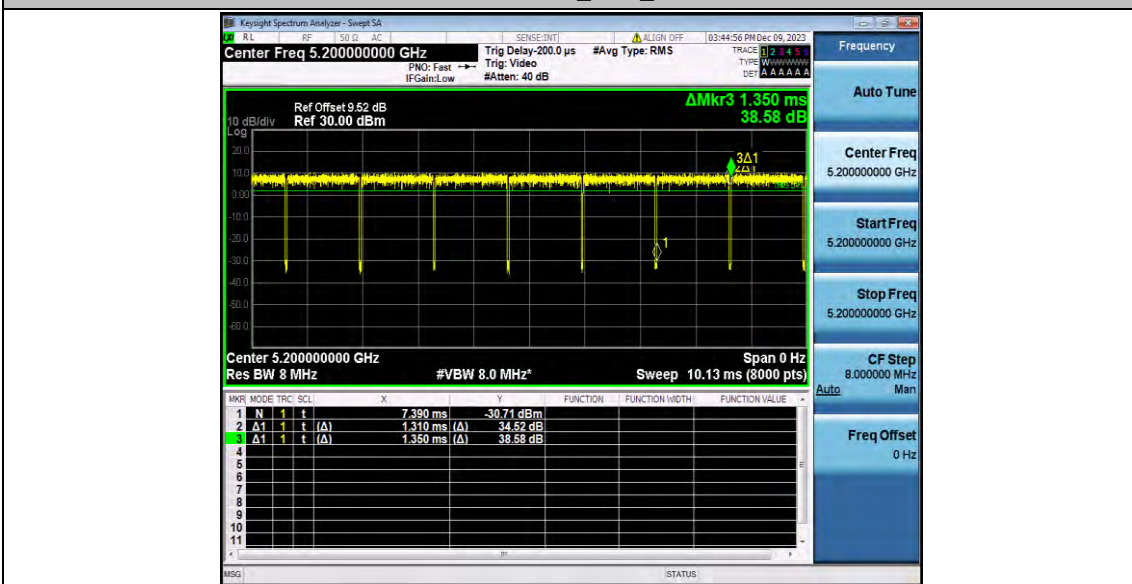
11N40SISO_Ant1_5190



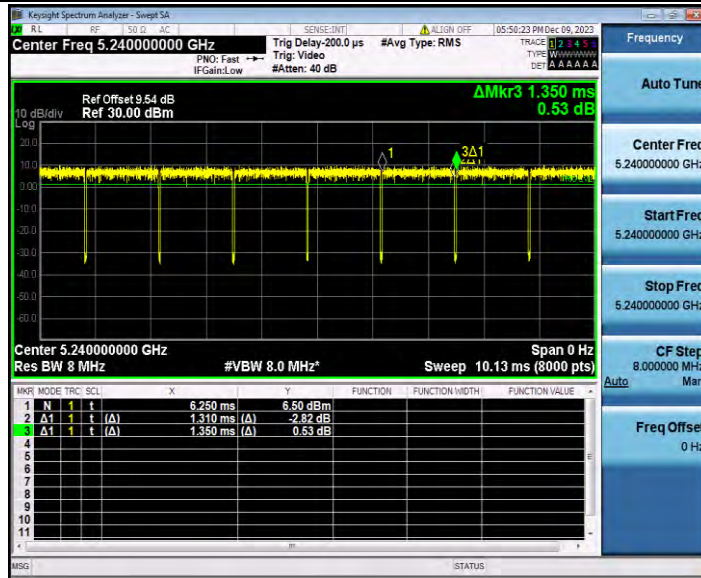
11N40SISO_Ant1_5230



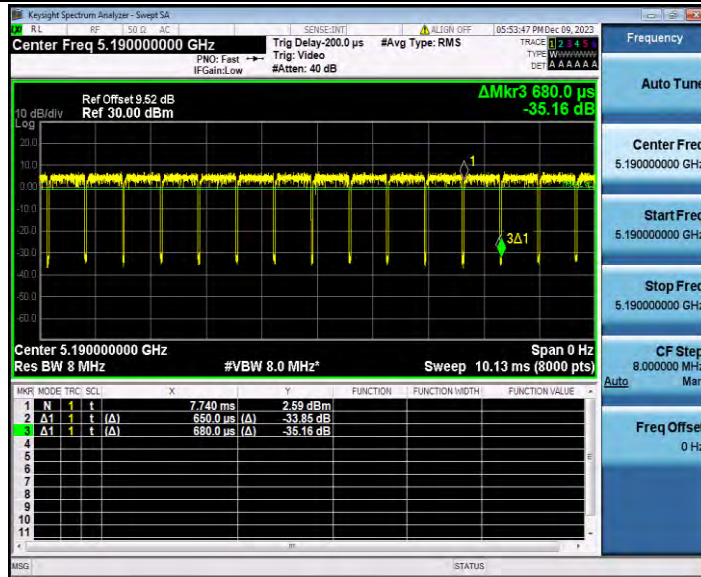
11AC20SISO_Ant1_5180



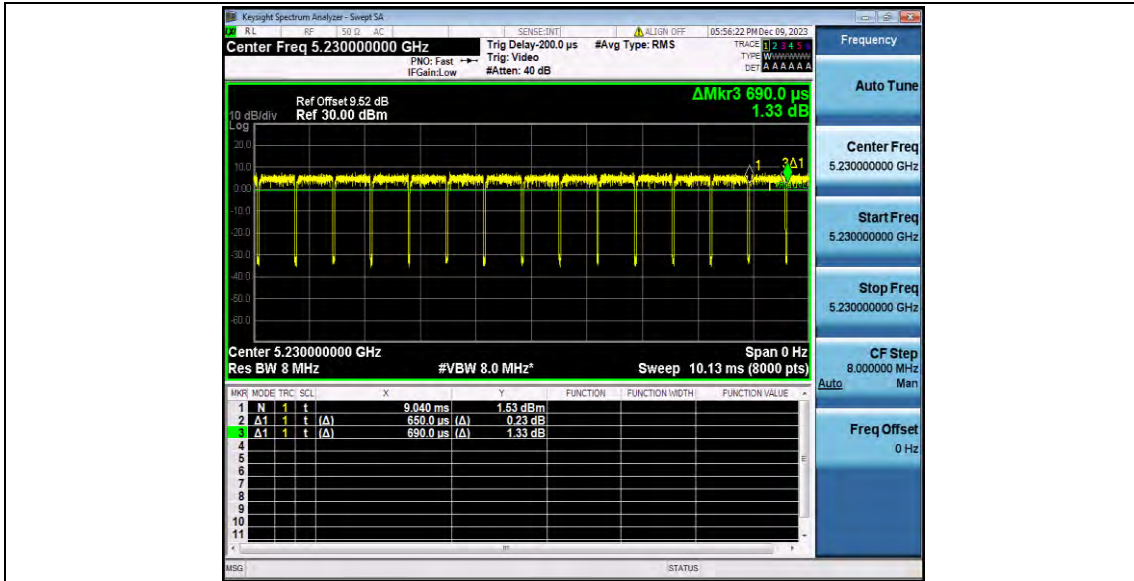
11AC20SISO_Ant1_5200



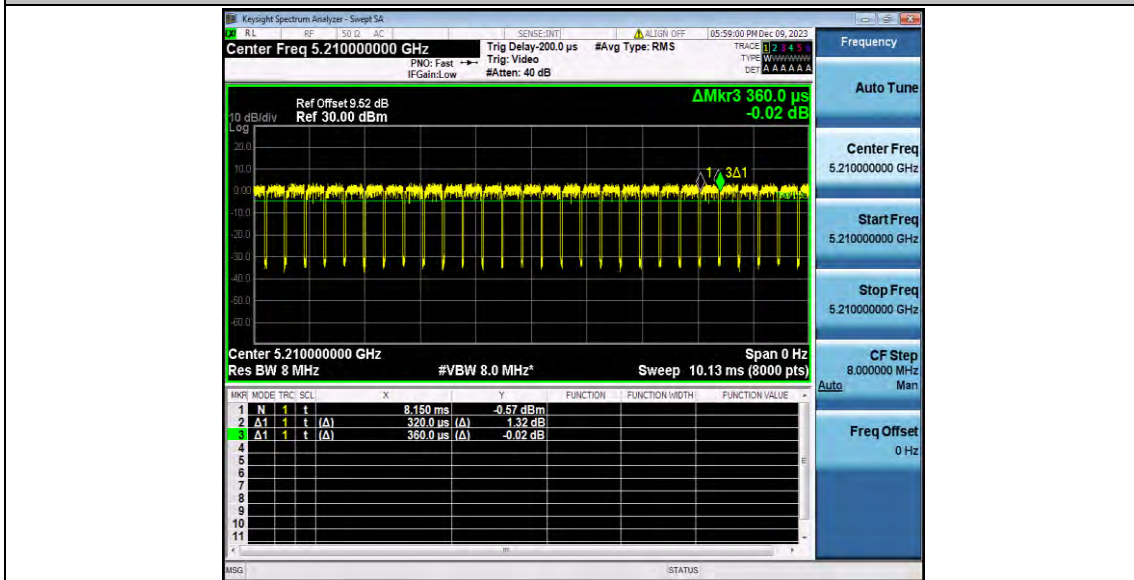
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	9.26	100.00	0.00	9.26	≤23.98	PASS
		5200	8.60	100.00	0.00	8.60	≤23.98	PASS
		5240	8.50	100.00	0.00	8.50	≤23.98	PASS
11N20SISO	Ant1	5180	9.43	97.01	0.13	9.56	≤23.98	PASS
		5200	9.95	97.01	0.13	10.08	≤23.98	PASS
		5240	9.30	97.74	0.10	9.40	≤23.98	PASS
11N40SISO	Ant1	5190	9.78	95.59	0.20	9.98	≤23.98	PASS
		5230	9.56	94.20	0.26	9.82	≤23.98	PASS
11AC20SIS O	Ant1	5180	9.74	97.04	0.13	9.87	≤23.98	PASS
		5200	9.88	97.04	0.13	10.01	≤23.98	PASS
		5240	9.25	97.04	0.13	9.38	≤23.98	PASS
11AC40SIS O	Ant1	5190	9.55	95.59	0.20	9.75	≤23.98	PASS
		5230	10.00	94.20	0.26	10.26	≤23.98	PASS
11AC80SIS O	Ant1	5210	9.56	88.89	0.51	10.07	≤23.98	PASS

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

Appendix D.5: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-1.26	≤11.00	PASS
		5200	-1.85	≤11.00	PASS
		5240	-1.87	≤11.00	PASS
11N20SISO	Ant1	5180	-0.98	≤11.00	PASS
		5200	-0.45	≤11.00	PASS
		5240	-1	≤11.00	PASS
11N40SISO	Ant1	5190	-3.31	≤11.00	PASS
		5230	-3.5	≤11.00	PASS
11AC20SISO	Ant1	5180	-0.67	≤11.00	PASS
		5200	-0.53	≤11.00	PASS
		5240	-1.17	≤11.00	PASS
11AC40SISO	Ant1	5190	-3.66	≤11.00	PASS
		5230	-3.15	≤11.00	PASS
11AC80SISO	Ant1	5210	-6.96	≤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



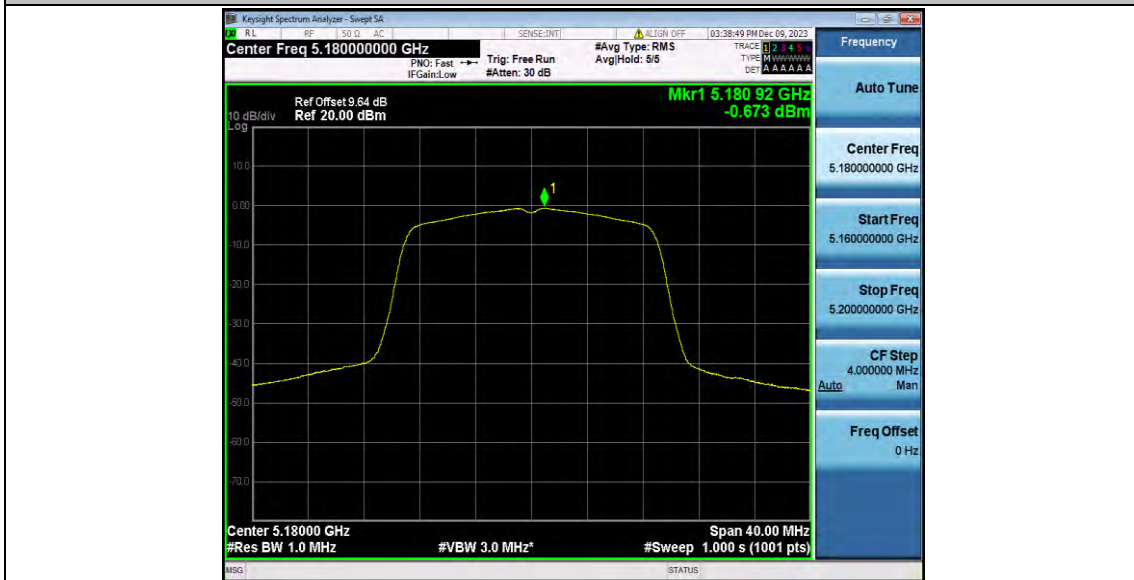
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210