

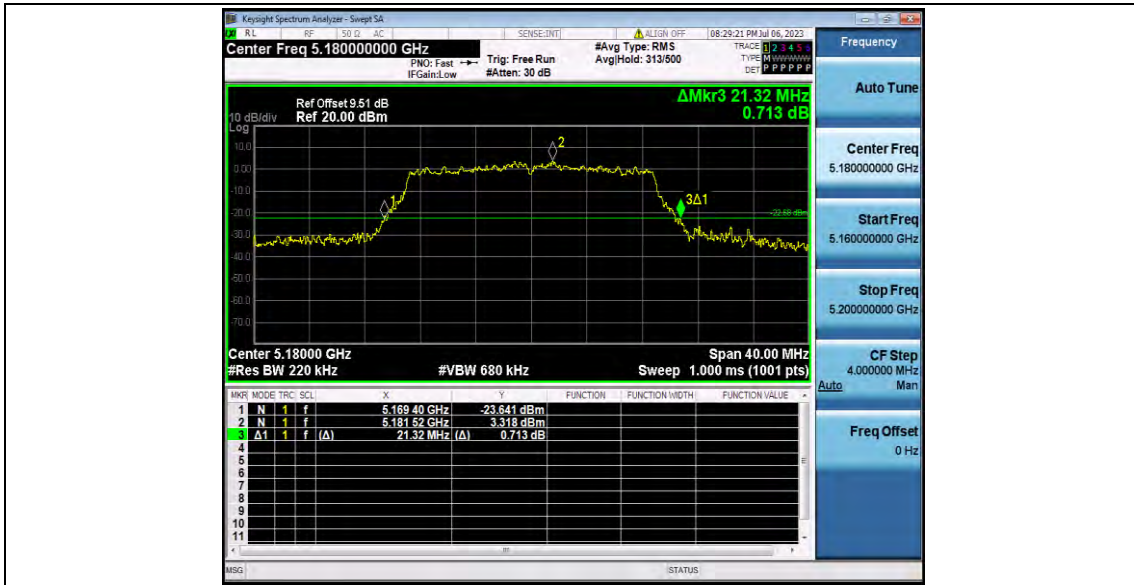
Case No. : <u>GTS20220803009-1-41</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.7.6</u> Test Engineer: <u>Evan Ouyang</u>

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	21.320	5169.400	5190.720	---	---
		5200	21.200	5189.440	5210.640	---	---
		5240	21.120	5229.520	5250.640	---	---
11N20SISO	Ant1	5180	21.280	5169.400	5190.680	---	---
		5200	21.200	5189.480	5210.680	---	---
		5240	20.840	5229.680	5250.520	---	---
11N40SISO	Ant1	5190	39.600	5170.320	5209.920	---	---
		5230	39.520	5210.160	5249.680	---	---
11AC20SISO	Ant1	5180	27.760	5168.920	5196.680	---	---
		5200	26.960	5188.920	5215.880	---	---
		5240	22.880	5229.320	5252.200	---	---
11AC40SISO	Ant1	5190	57.760	5169.840	5227.600	---	---
		5230	51.040	5208.320	5259.360	---	---
11AC80SISO	Ant1	5210	40.320	5209.840	5250.160	---	---

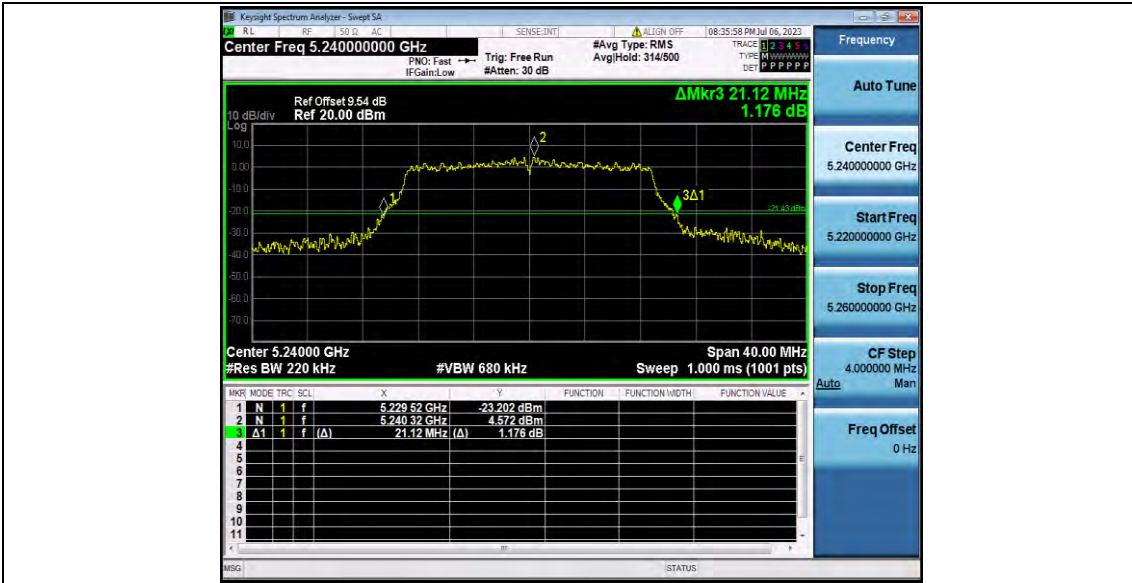
Test Graphs



11A_Ant1_5180



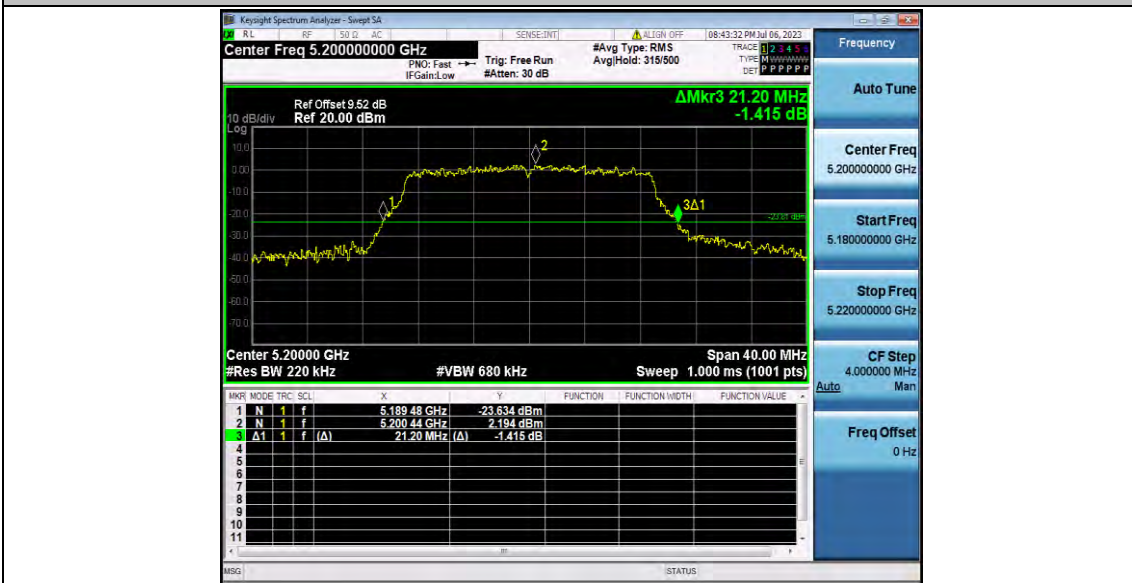
11A_Ant1_5200



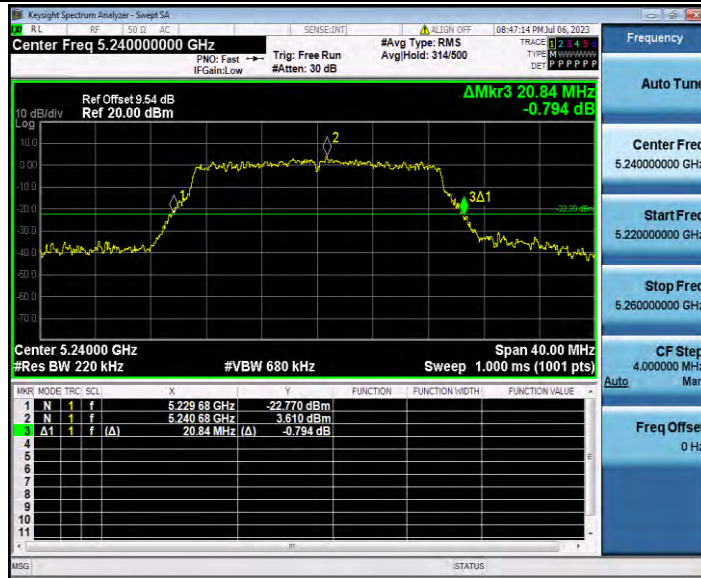
11A_Ant1_5240



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	18.132	5170.942	5189.074	---	---
		5200	18.116	5190.945	5209.061	---	---
		5240	18.106	5230.926	5249.032	---	---
11N20SISO	Ant1	5180	18.090	5170.985	5189.075	---	---
		5200	18.093	5190.984	5209.077	---	---
		5240	18.068	5230.953	5249.021	---	---
11N40SISO	Ant1	5190	36.456	5171.877	5208.333	---	---
		5230	36.436	5211.792	5248.228	---	---
11AC20SISO	Ant1	5180	18.794	5170.702	5189.496	---	---
		5200	18.831	5190.777	5209.608	---	---
		5240	18.565	5230.753	5249.318	---	---
11AC40SISO	Ant1	5190	37.129	5171.746	5208.875	---	---
		5230	36.814	5211.739	5248.553	---	---
11AC80SISO	Ant1	5210	75.401	5172.569	5247.970	---	---

Test Graphs



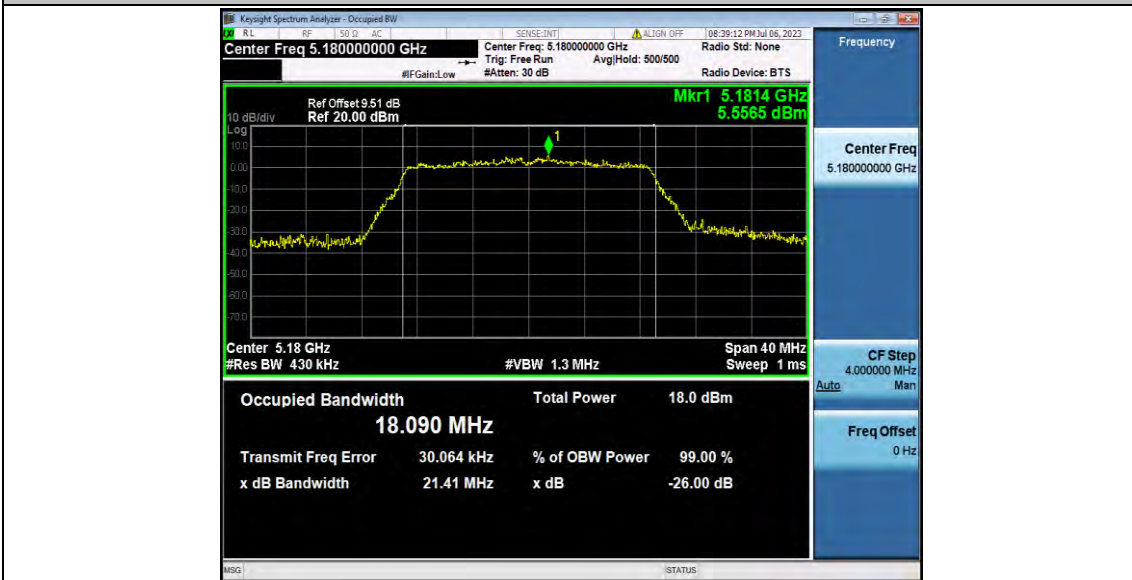
11A_Ant1_5180



11A_Ant1_5200



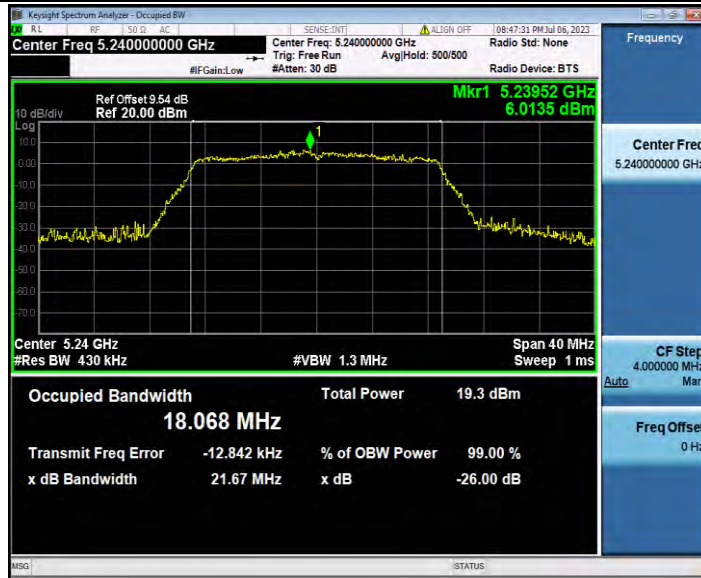
11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



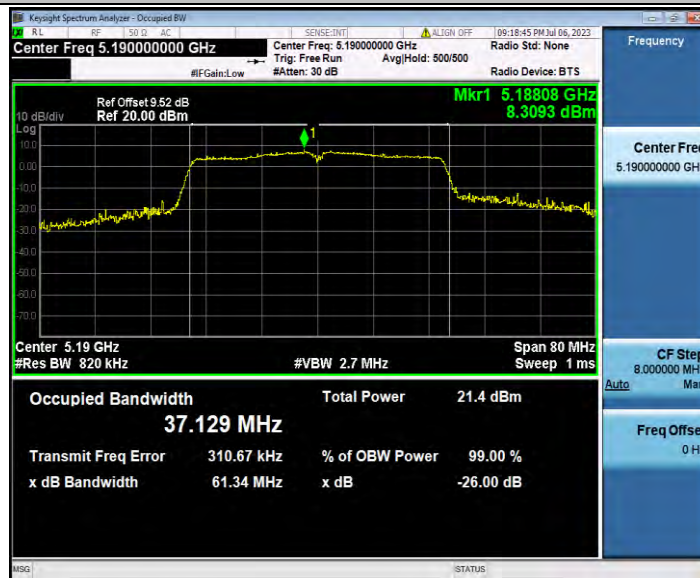
11A20SISO_Ant1_5180



11AC20SISO_Ant1_5200



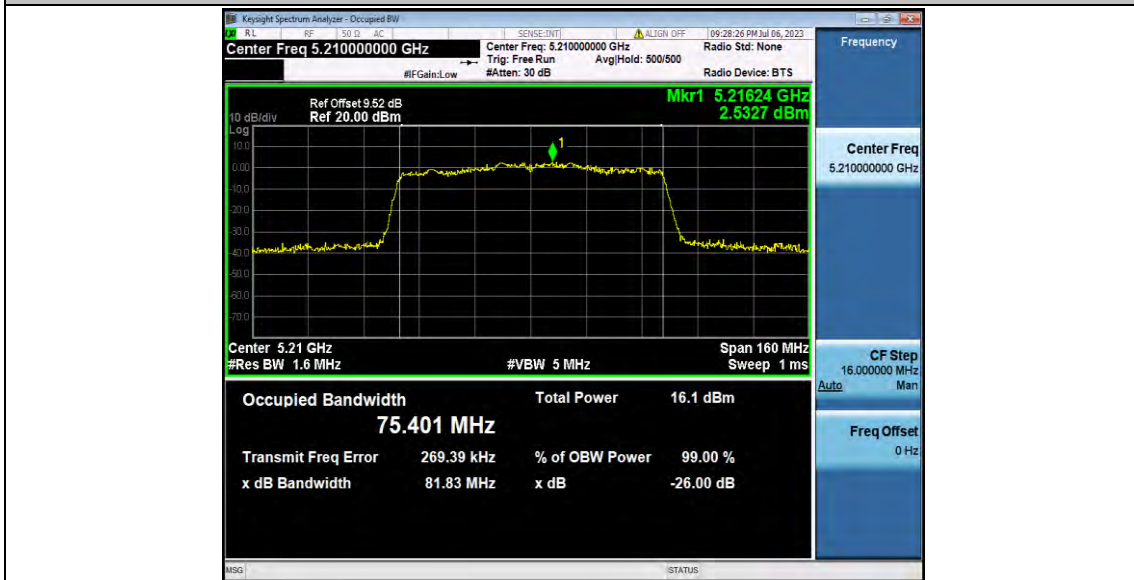
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



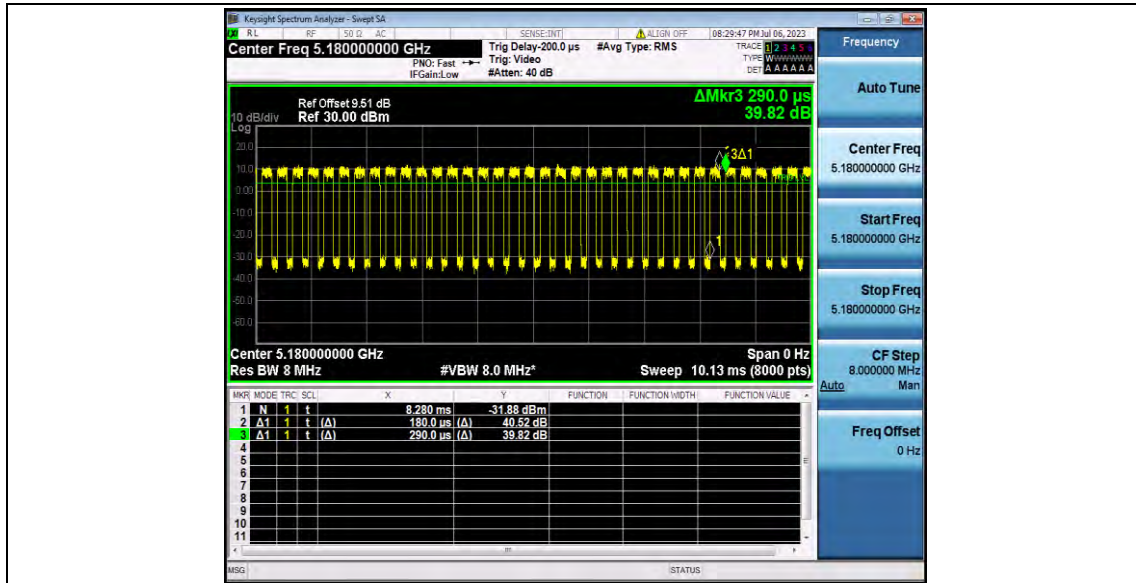
11AC80SISO_Ant1_5210

Appendix D.3: Duty Cycle

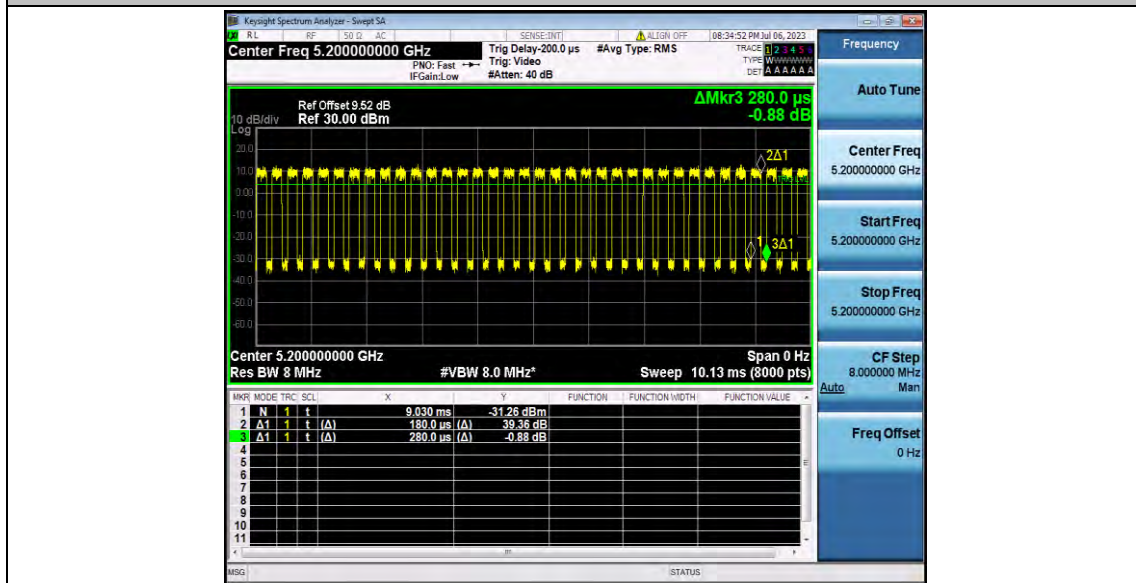
Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	0.18	0.29	62.07
		5200	0.18	0.28	64.29
		5240	0.18	0.29	62.07
11N20SISO	Ant1	5180	0.17	0.27	62.96
		5200	0.17	0.27	62.96
		5240	0.16	0.27	59.26
11N40SISO	Ant1	5190	0.10	0.20	50.00
		5230	0.10	0.21	47.62
11AC20SISO	Ant1	5180	1.31	1.41	92.91
		5200	1.31	1.41	92.91
		5240	1.31	1.41	92.91
11AC40SISO	Ant1	5190	0.65	0.75	86.67
		5230	0.65	0.75	86.67
11AC80SISO	Ant1	5210	0.07	0.17	41.18

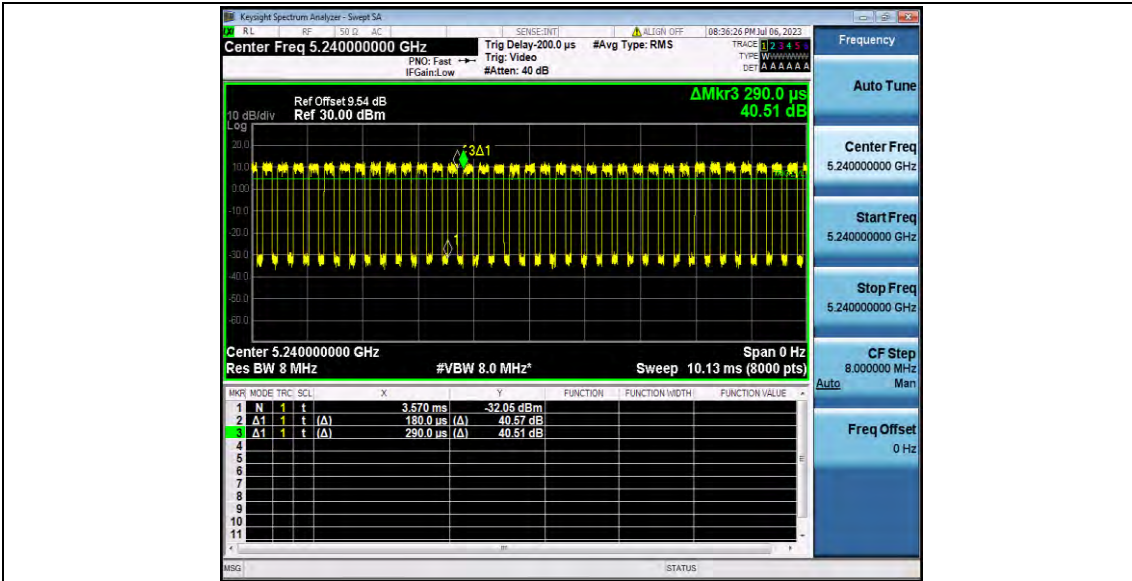
Test Graphs



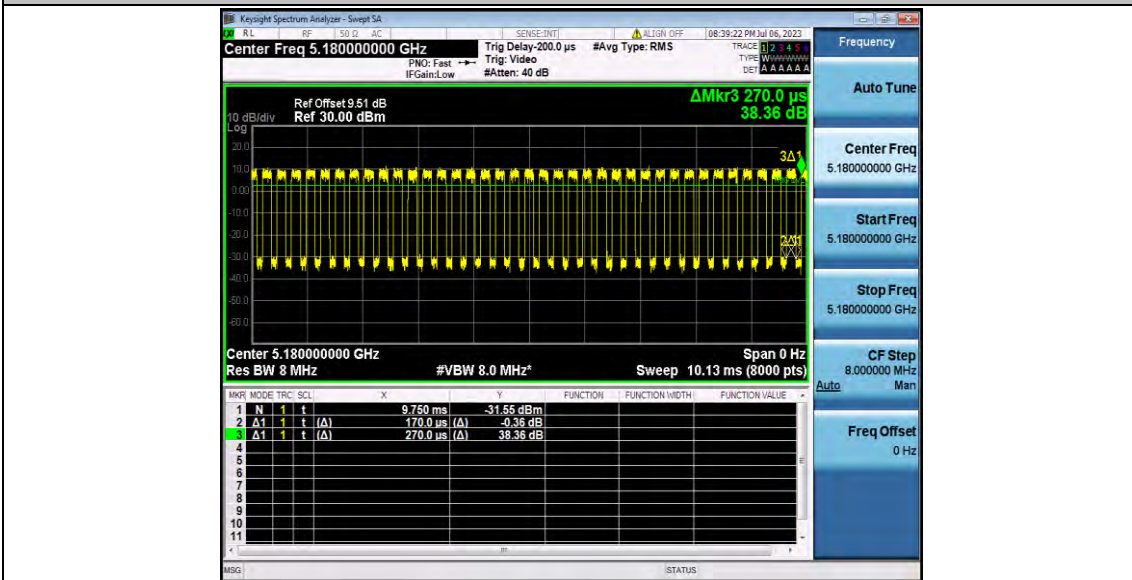
11A_Ant1_5180



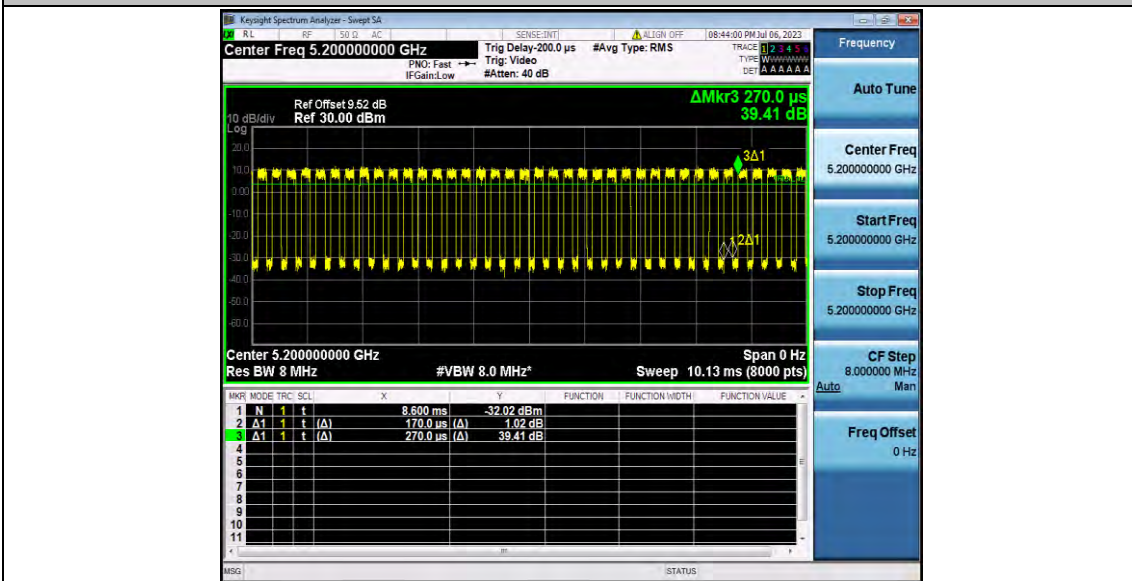
11A_Ant1_5200



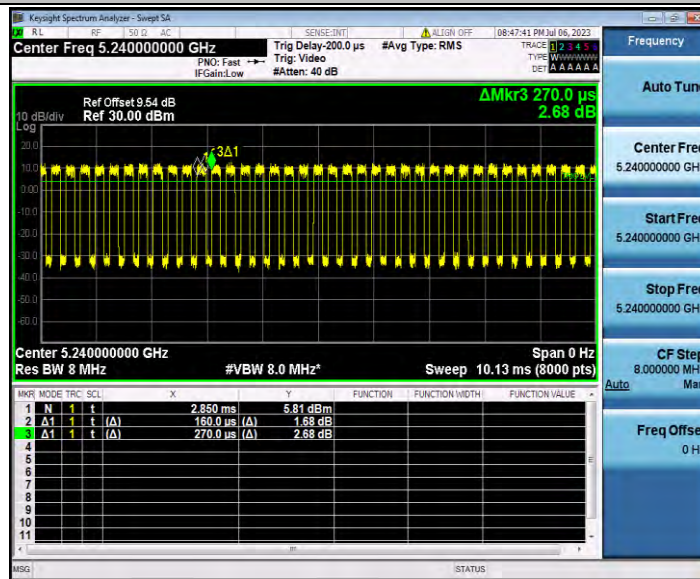
11A_Ant1_5240



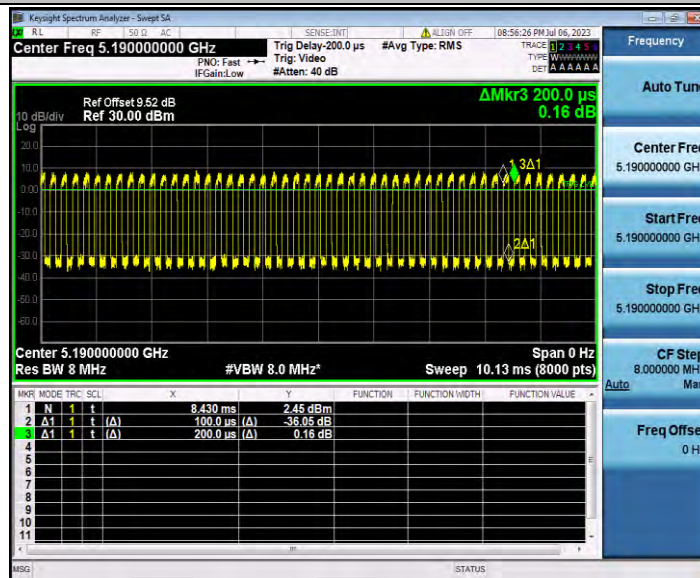
11N20SISO_Ant1_5180



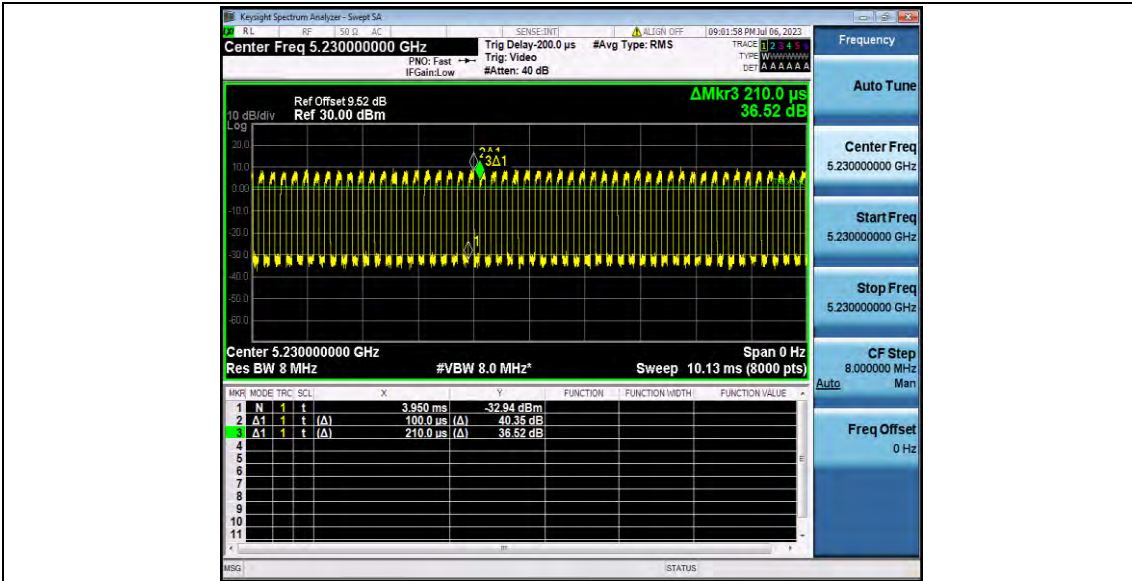
11N20SISO_Ant1_5200



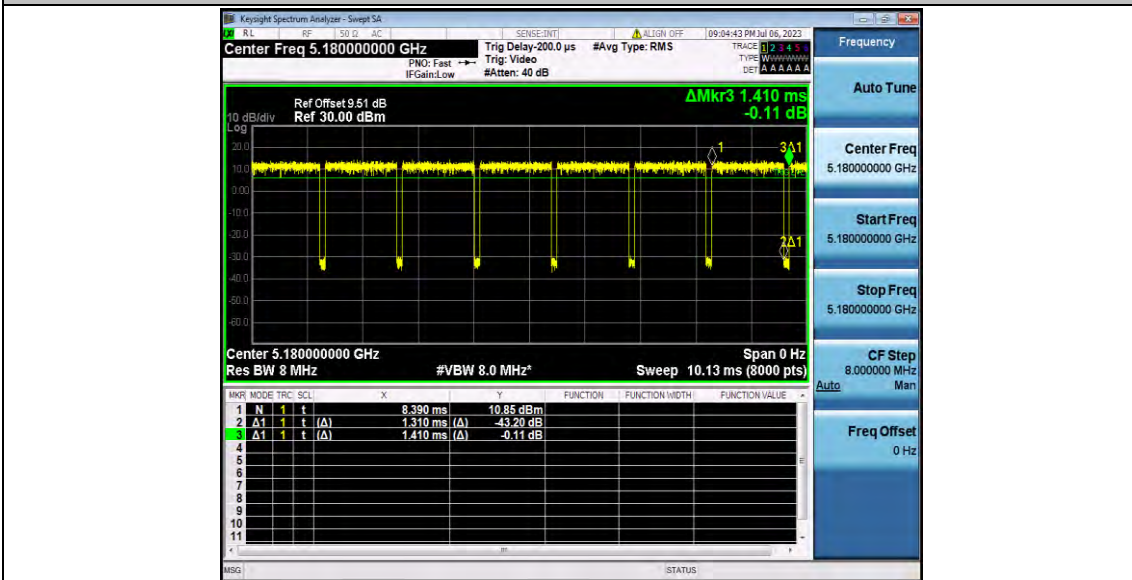
11N20SISO_Ant1_5240



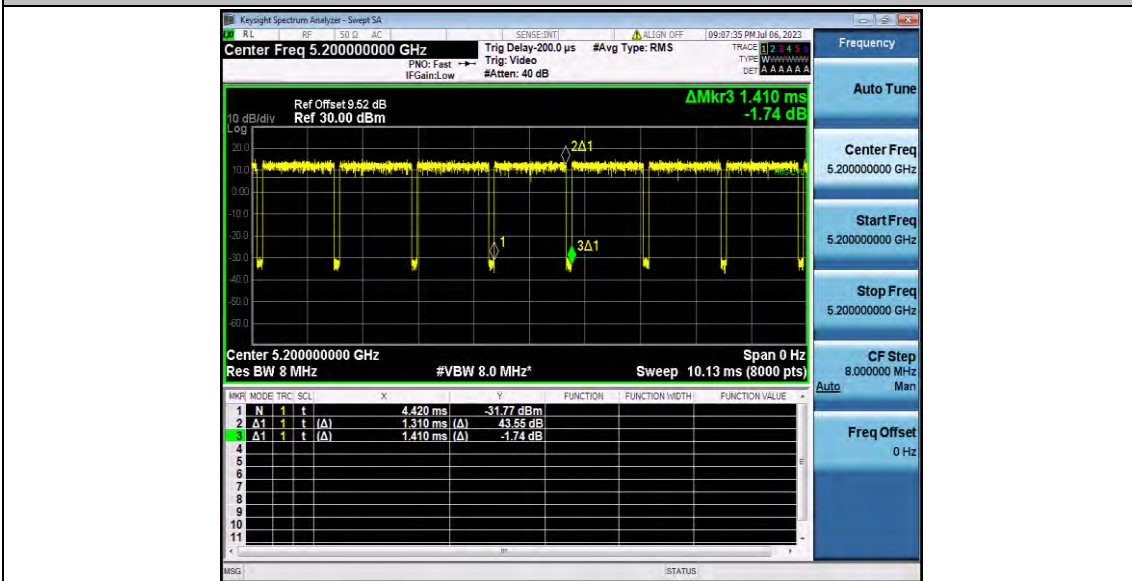
11N40SISO_Ant1_5190



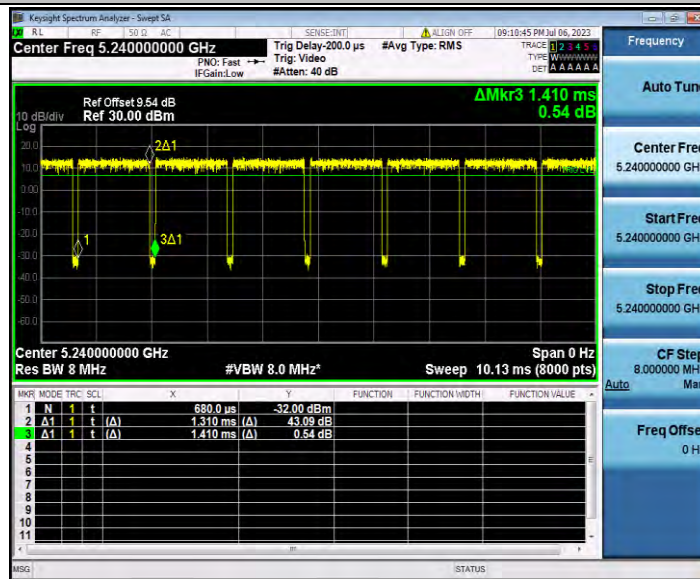
11N40SISO_Ant1_5230



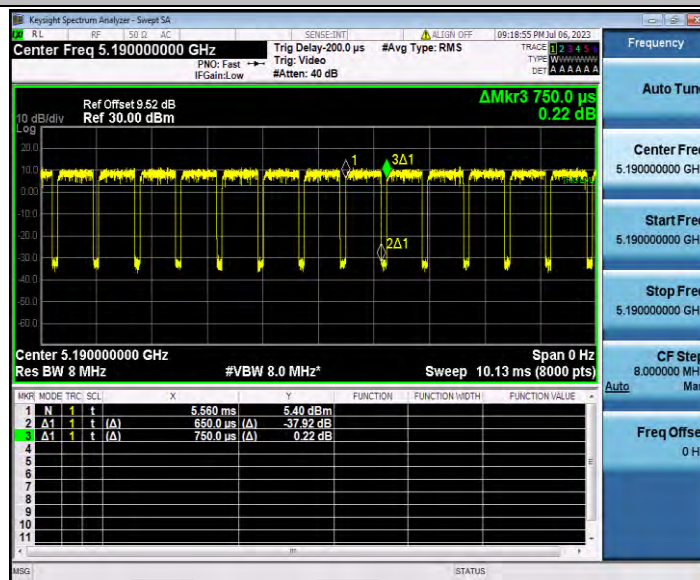
11AC20SISO_Ant1_5180



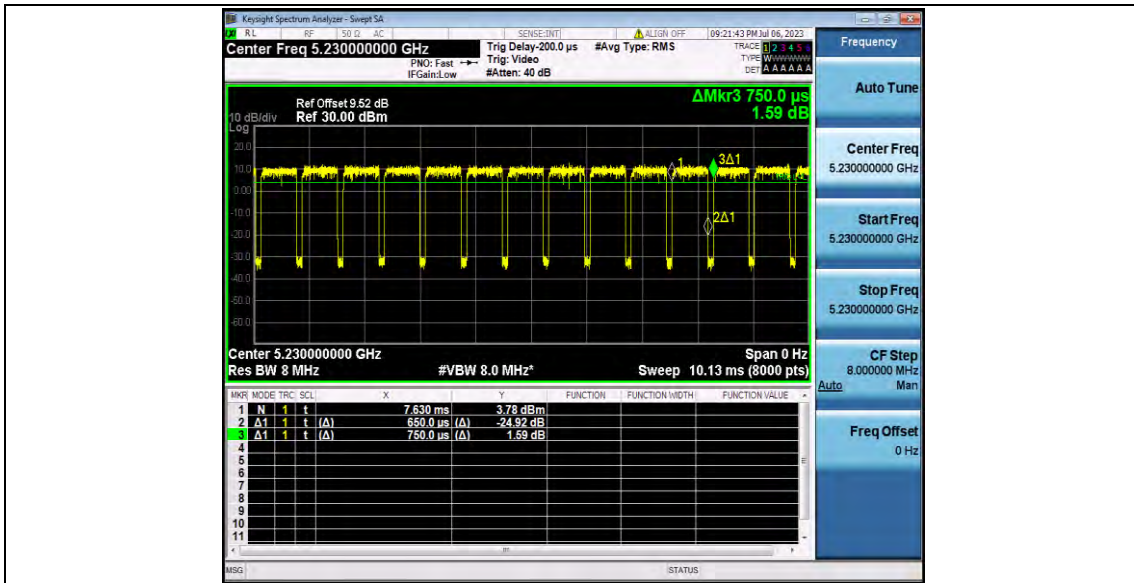
11AC20SISO_Ant1_5200



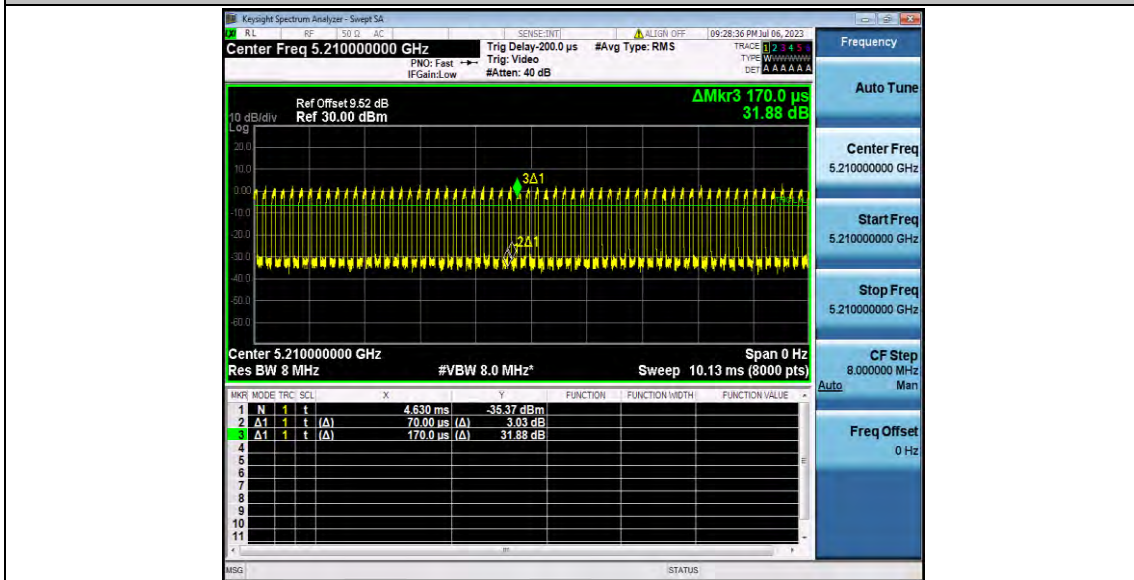
11AC20SISO_Ant1_5240



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	9.90	62.07	2.07	11.97	≤23.98	PASS
		5200	10.24	64.29	1.92	12.16	≤23.98	PASS
		5240	10.53	62.07	2.07	12.60	≤23.98	PASS
11N20SISO	Ant1	5180	8.79	62.96	2.01	10.80	≤23.98	PASS
		5200	9.45	62.96	2.01	11.46	≤23.98	PASS
		5240	10.07	59.26	2.27	12.34	≤23.98	PASS
11N40SISO	Ant1	5190	8.19	50.00	3.01	11.20	≤23.98	PASS
		5230	8.76	47.62	3.22	11.98	≤23.98	PASS
11AC20SIS O	Ant1	5180	14.16	92.91	0.32	14.48	≤23.98	PASS
		5200	14.60	92.91	0.32	14.92	≤23.98	PASS
		5240	14.75	92.91	0.32	15.07	≤23.98	PASS
11AC40SIS O	Ant1	5190	13.49	86.67	0.62	14.11	≤23.98	PASS
		5230	14.20	86.67	0.62	14.82	≤23.98	PASS
11AC80SIS O	Ant1	5210	6.04	41.18	3.85	9.89	≤23.98	PASS

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

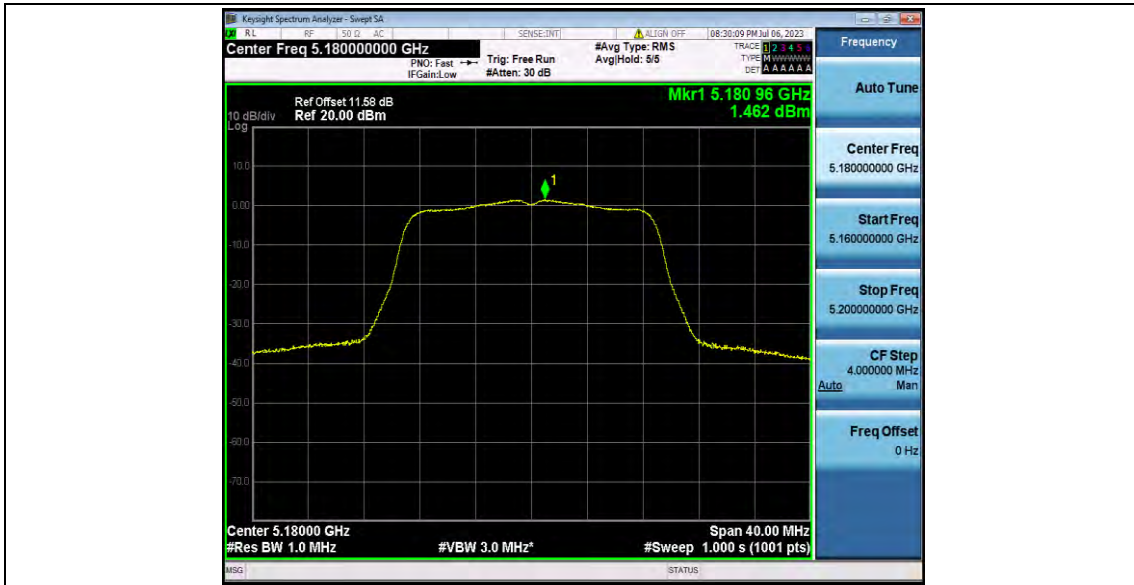
Appendix D.5: Maximum power spectral density

Test Result

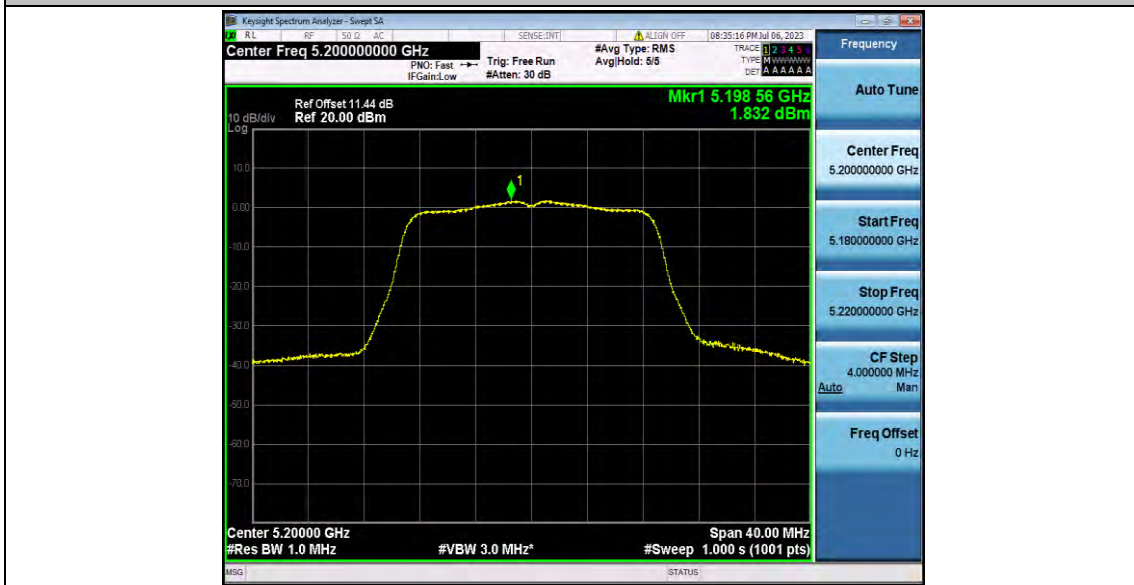
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.46	≤11.00	PASS
		5200	1.83	≤11.00	PASS
		5240	2.39	≤11.00	PASS
11N20SISO	Ant1	5180	0.26	≤11.00	PASS
		5200	0.93	≤11.00	PASS
		5240	1.9	≤11.00	PASS
11N40SISO	Ant1	5190	-2.36	≤11.00	PASS
		5230	-1.56	≤11.00	PASS
11AC20SISO	Ant1	5180	4.04	≤11.00	PASS
		5200	4.36	≤11.00	PASS
		5240	4.61	≤11.00	PASS
11AC40SISO	Ant1	5190	0.59	≤11.00	PASS
		5230	1.53	≤11.00	PASS
11AC80SISO	Ant1	5210	-8.49	≤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.

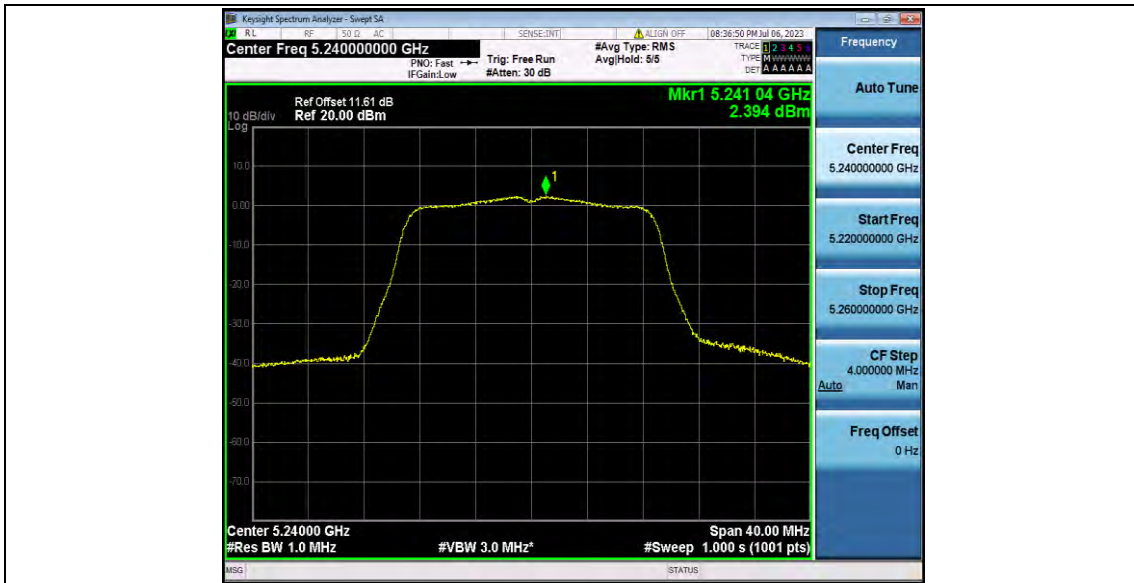
Test Graphs



11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



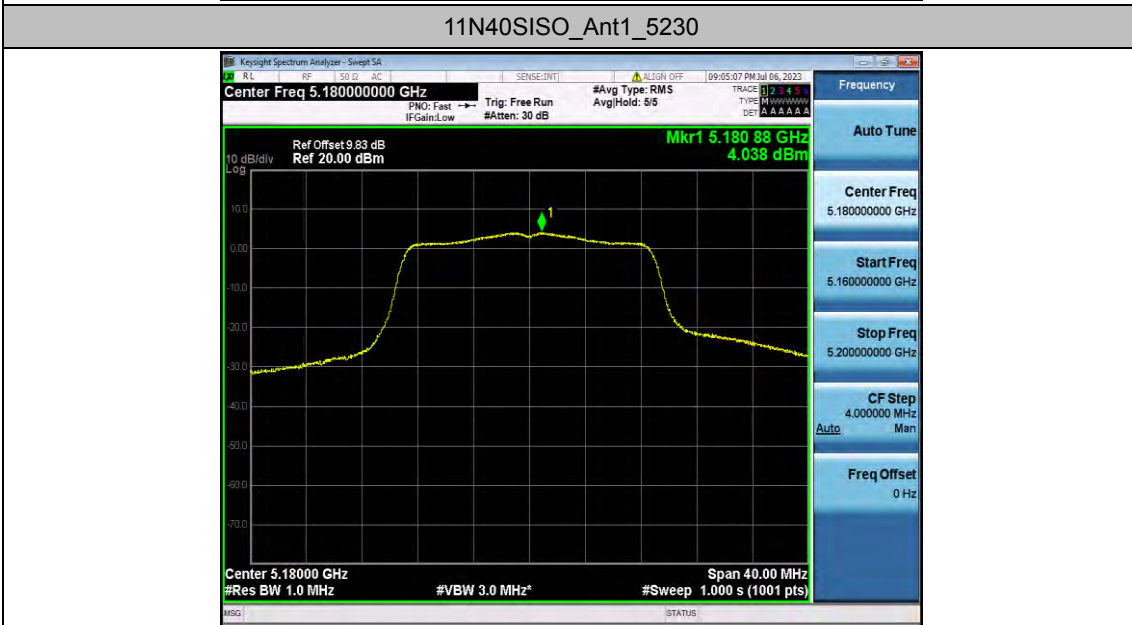
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210