

Case No. : <u>GTS20230330014-1-11</u>
Ambient Condition: <u>24</u> °C, <u>47</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.4.14</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	Ant1	5180	19.920	5169.960	5189.880	---	---
		5200	27.480	5186.760	5214.240	---	---
		5240	19.680	5230.080	5249.760	---	---
11N20SISO	Ant1	5180	20.160	5169.920	5190.080	---	---
		5200	20.560	5189.720	5210.280	---	---
		5240	20.400	5229.720	5250.120	---	---

Test Graphs

11A_Ant1_5180



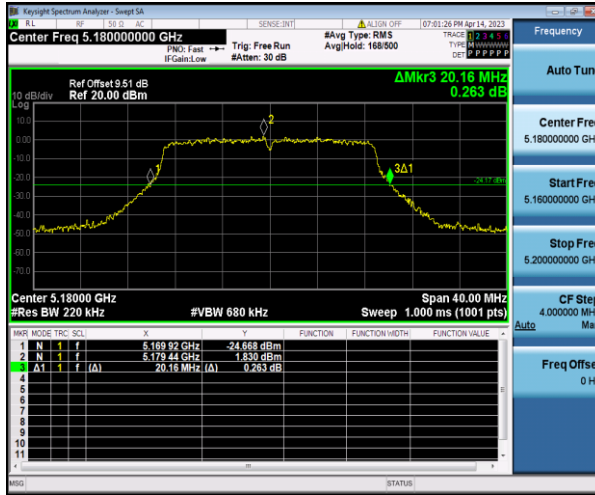
11A_Ant1_5200



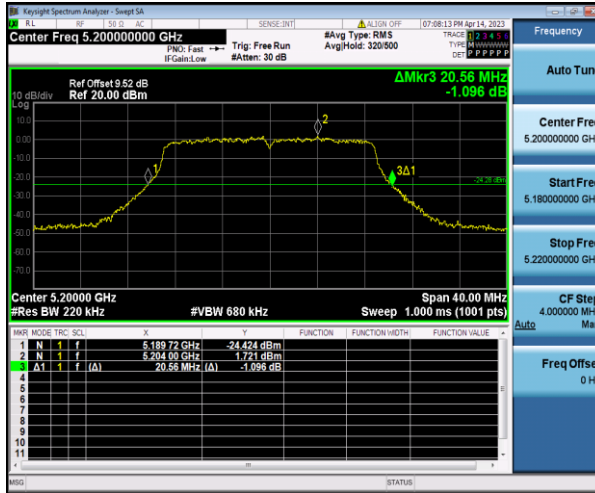
11A_Ant1_5240



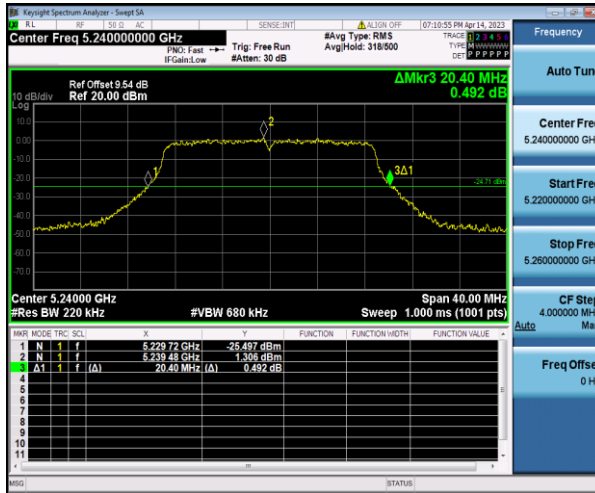
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



Appendix B.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.710	5171.630	5188.340	---	---
		5200	17.402	5191.417	5208.819	---	---
		5240	16.719	5231.631	5248.350	---	---
11N20SISO	Ant1	5180	17.800	5171.061	5188.861	---	---
		5200	17.812	5191.034	5208.846	---	---
		5240	17.820	5231.029	5248.849	---	---

Test Graphs

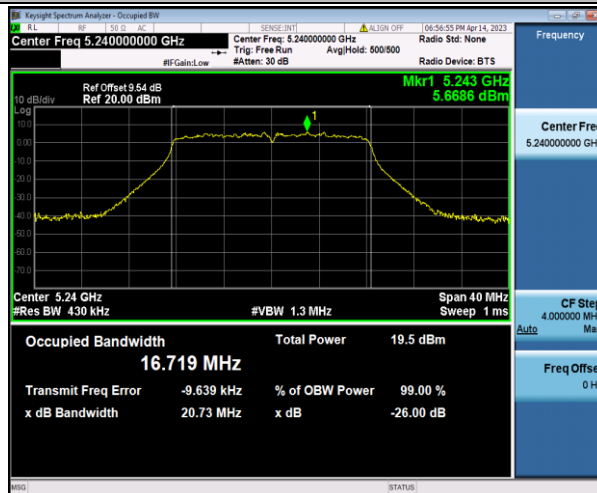
11A_Ant1_5180



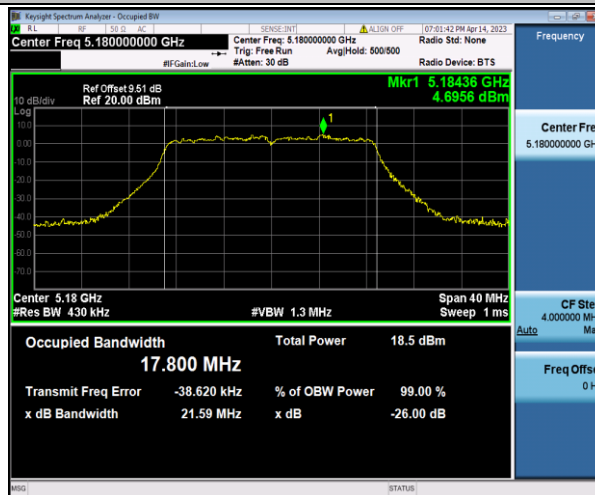
11A_Ant1_5200



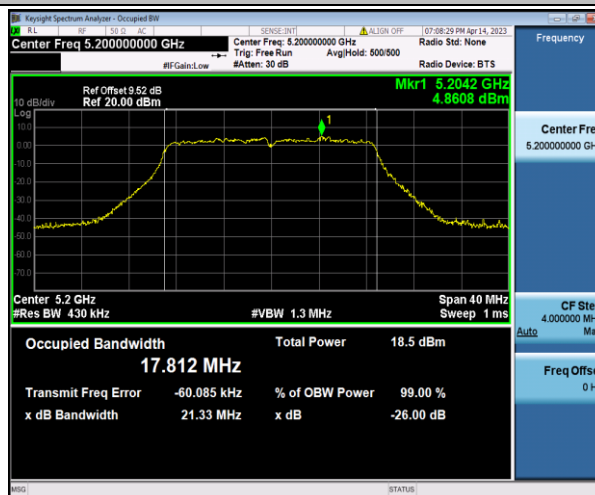
11A_Ant1_5240



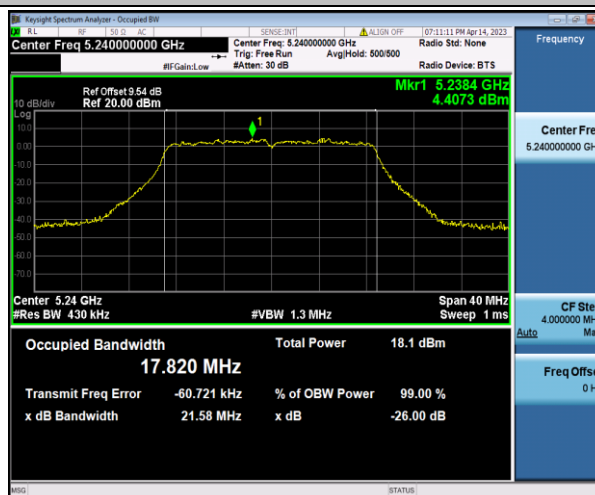
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



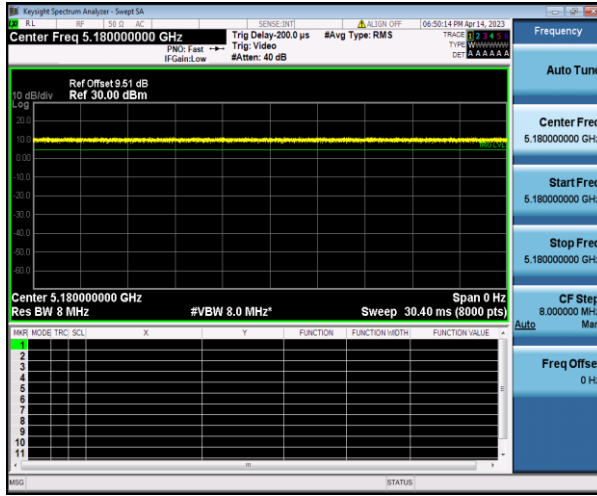
Appendix B.3: Duty Cycle

Test Result

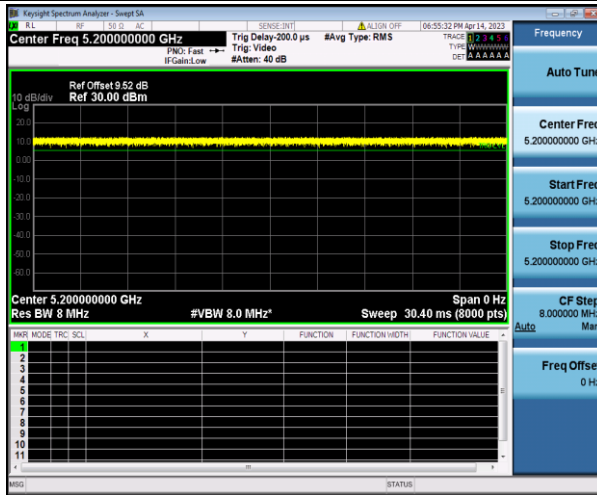
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	30.00	30.00	100.00
		5200	30.00	30.00	100.00
		5240	30.00	30.00	100.00
11N20SISO	Ant1	5180	30.00	30.00	100.00
		5200	30.00	30.00	100.00
		5240	30.00	30.00	100.00

Test Graphs

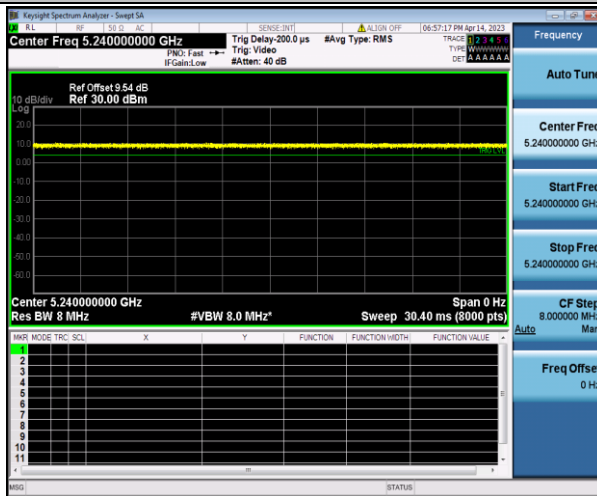
11A_Ant1_5180



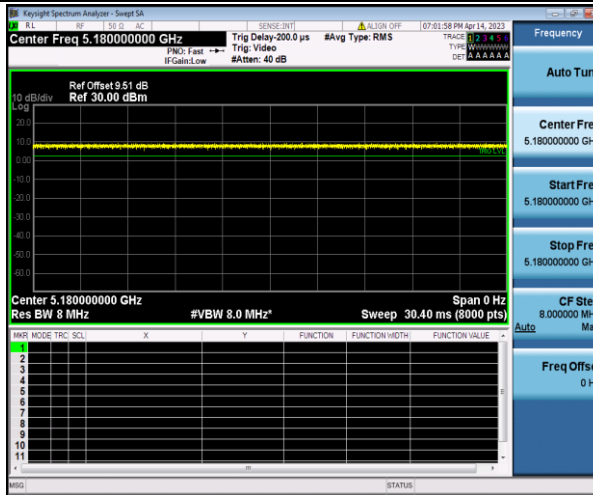
11A_Ant1_5200



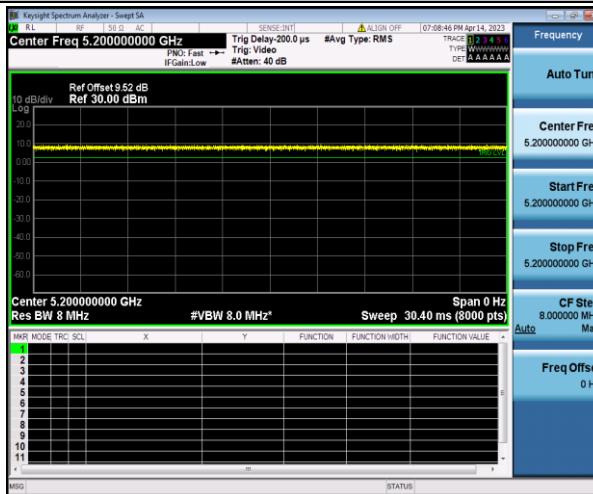
11A_Ant1_5240



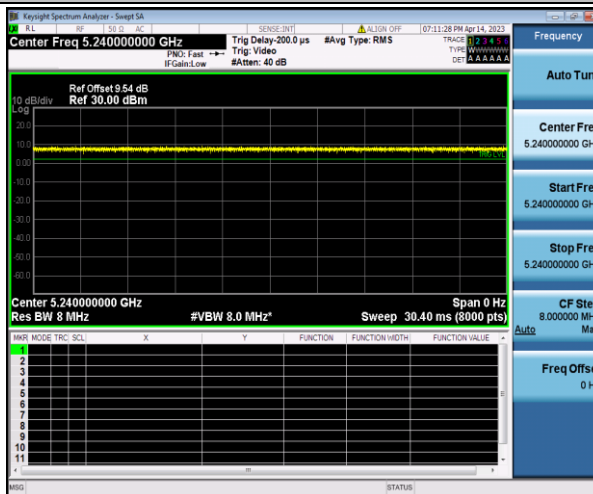
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



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	Ant1	5180	17.31	100.00	0.00	17.31	≤23.98	PASS
		5200	17.27	100.00	0.00	17.27	≤23.98	PASS
		5240	16.92	100.00	0.00	16.92	≤23.98	PASS
11N20SISO	Ant1	5180	17.05	100.00	0.00	17.05	≤23.98	PASS
		5200	17.24	100.00	0.00	17.24	≤23.98	PASS
		5240	16.62	100.00	0.00	16.62	≤23.98	PASS

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

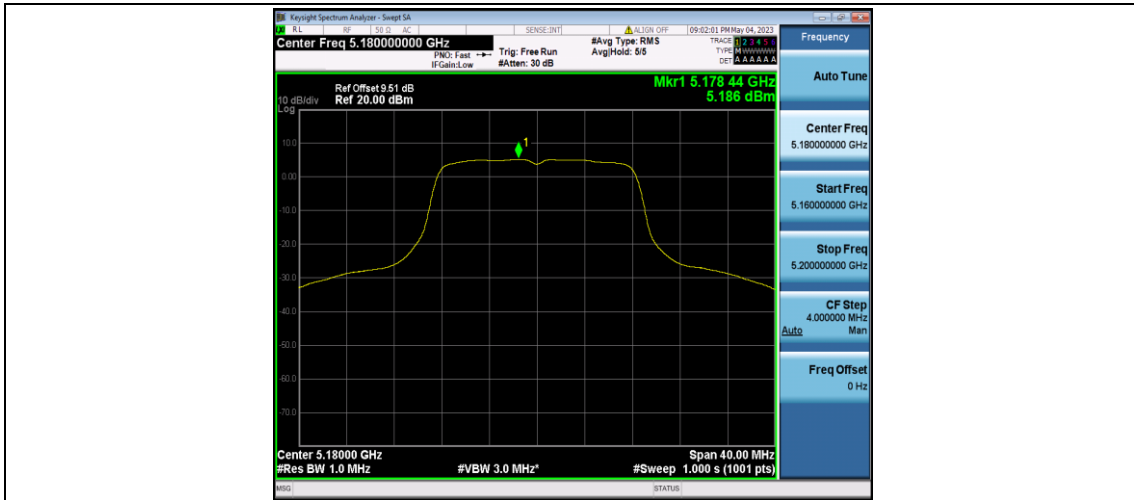
Appendix B.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	5.19	≤11.00	PASS
		5200	5.08	≤11.00	PASS
		5240	4.95	≤11.00	PASS
11N20SISO	Ant1	5180	4.72	≤11.00	PASS
		5200	4.74	≤11.00	PASS
		5240	4.27	≤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



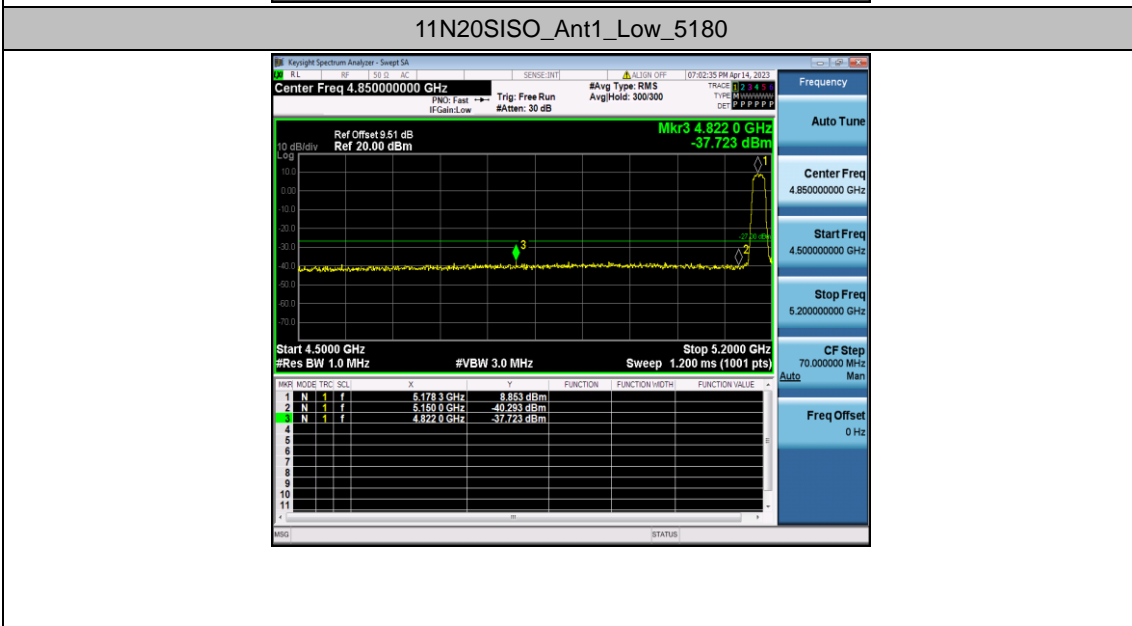
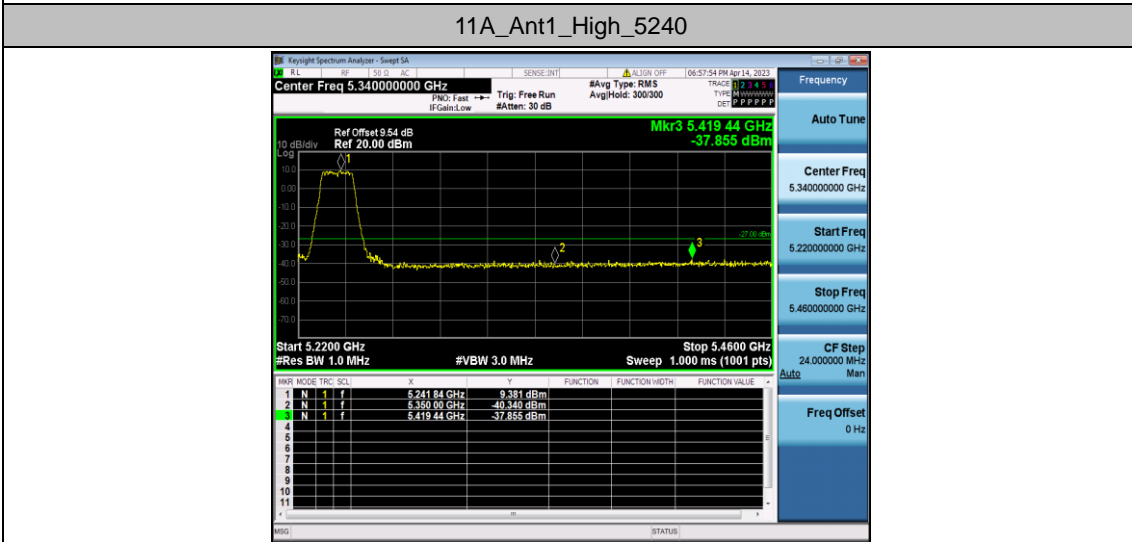
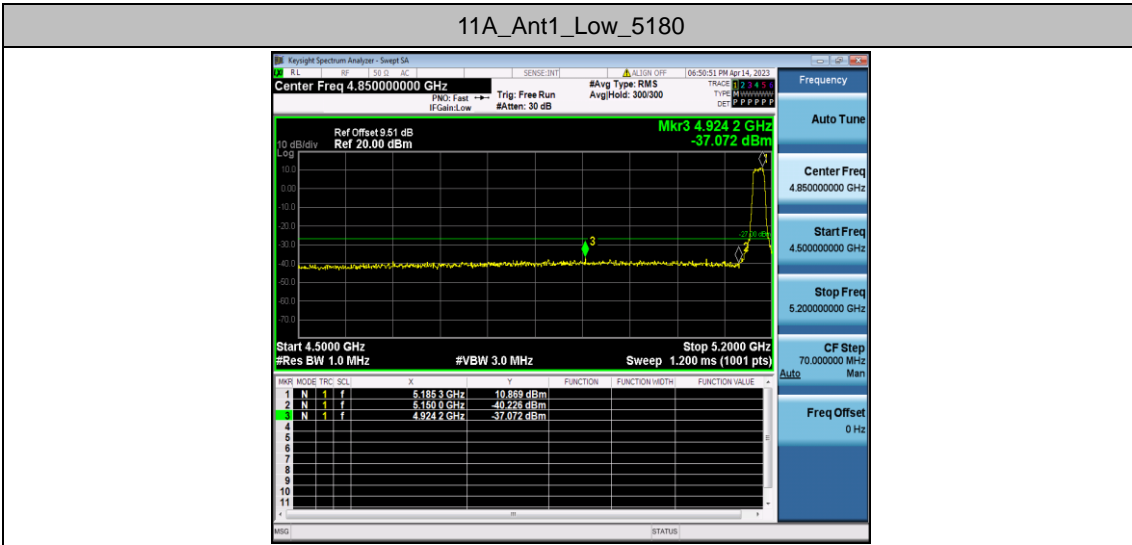
11N20SISO_Ant1_5240

Appendix B.6: Band edge measurements

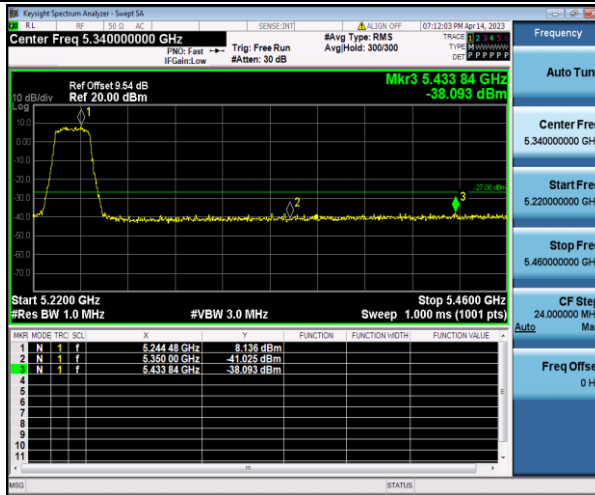
Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-37.07	≤-27	PASS
		High	5240	-37.86	≤-27	PASS
11N20SISO	Ant1	Low	5180	-37.72	≤-27	PASS
		High	5240	-38.09	≤-27	PASS

Test Graphs B1



11N20SISO_Ant1_High_5240



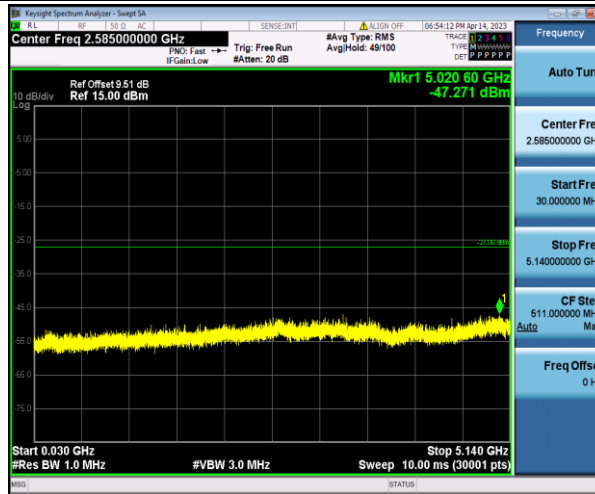
Appendix B.7: Conducted Spurious Emission

Test Result

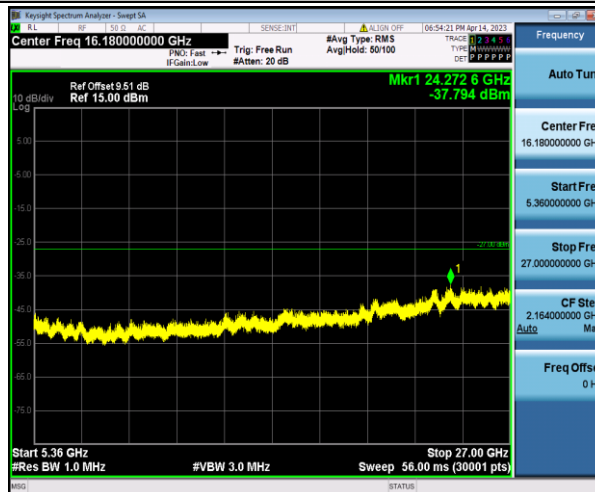
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5020.6	-47.27	≤-27	PASS
			5360~40000	24272.64	-37.79	≤-27	PASS
		5200	30~5140	5117.35	-45.45	≤-27	PASS
			5360~40000	26855.73	-37.57	≤-27	PASS
		5240	30~5140	5081.24	-46.68	≤-27	PASS
			5360~40000	24313.03	-38.15	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5022.3	-44.98	≤-27	PASS
			5360~40000	24776.13	-38.23	≤-27	PASS
		5200	30~5140	4933.39	-47.03	≤-27	PASS
			5360~40000	25290.44	-38.39	≤-27	PASS
		5240	30~5140	4962.17	-46.93	≤-27	PASS
			5360~40000	26889.64	-37.67	≤-27	PASS

Test Graphs

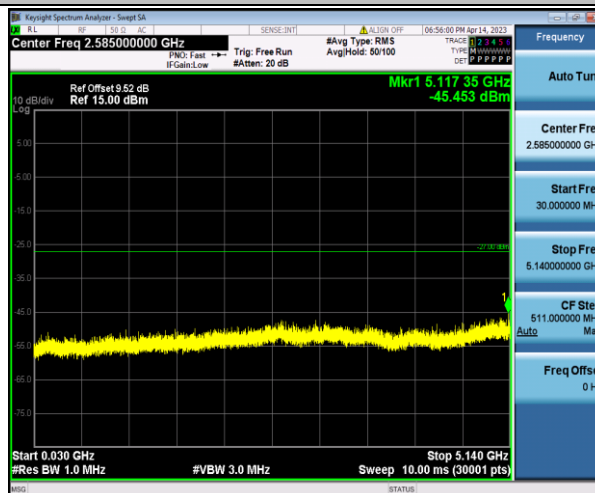
11A_Ant1_5180_30~5140



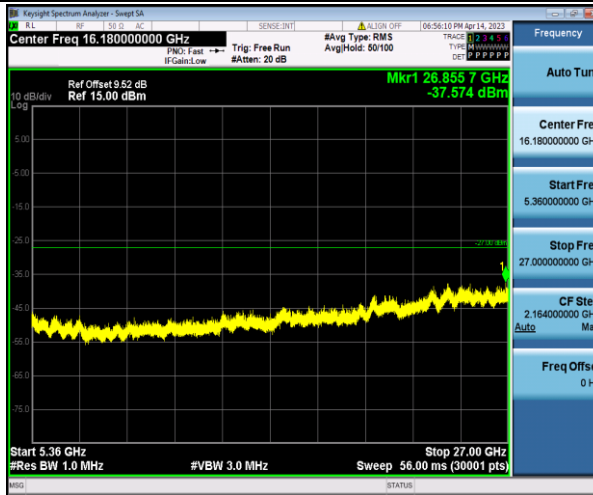
11A_Ant1_5180_5360~40000



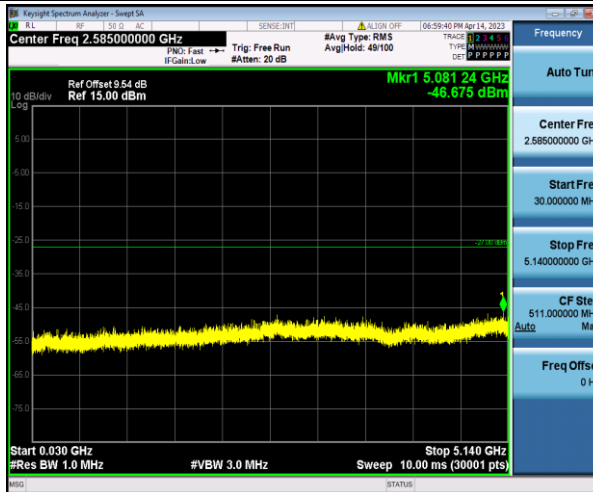
11A_Ant1_5200_30~5140



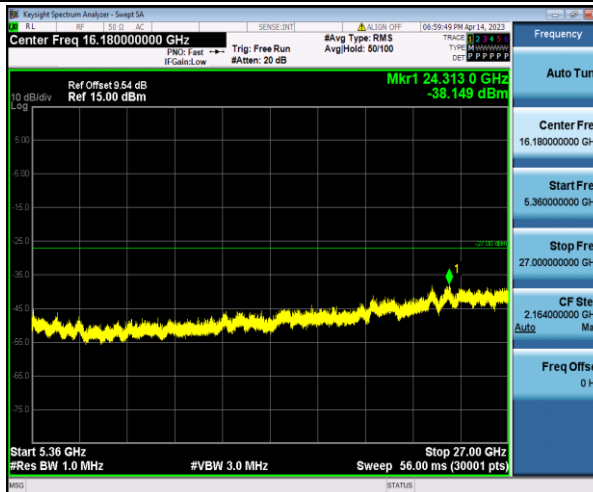
11A_Ant1_5200_5360~40000



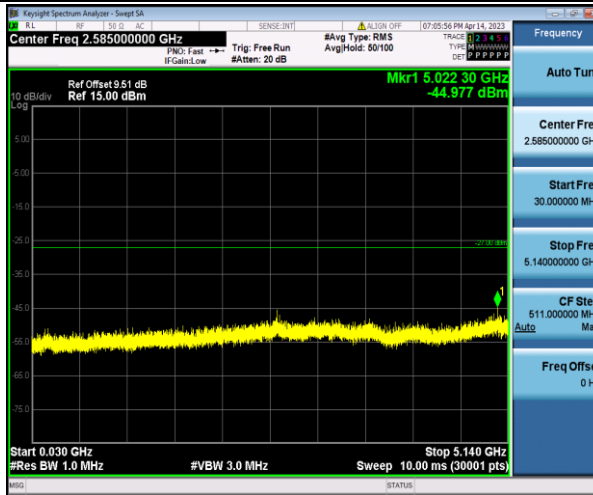
11A_Ant1_5240_30~5140



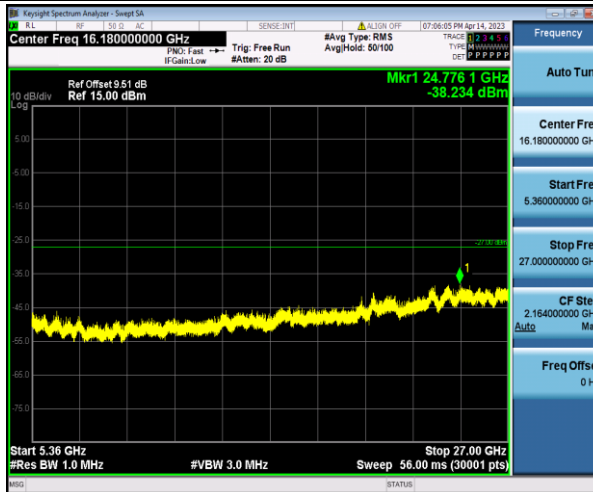
11A_Ant1_5240_5360~40000



11N20SISO_Ant1_5180_30~5140



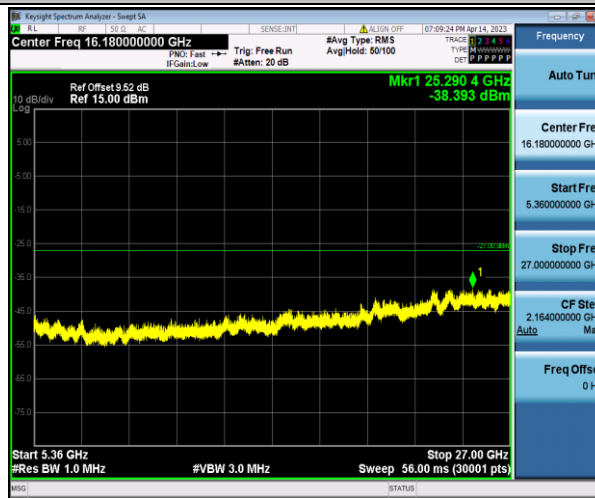
11N20SISO_Ant1_5180_5360~40000



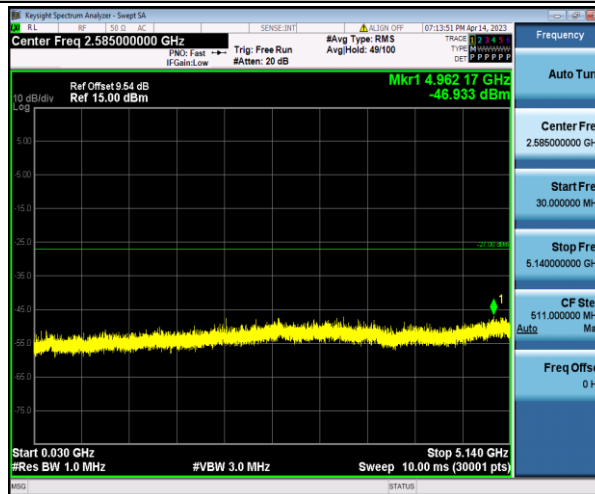
11N20SISO_Ant1_5200_30~5140



11N20SISO_Ant1_5200_5360~40000



11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~40000

