

Case No. : <u>GTS20230330014-1-11</u>
Ambient Condition: <u>23</u> °C, <u>46</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.4.14</u> Test Engineer: <u>Jenny zeng</u>

Appendix C.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	24.360	5247.960	5272.320	---	---
		5280	22.840	5269.040	5291.880	---	---
		5320	22.760	5309.600	5332.360	---	---
11N20SISO	Ant1	5260	20.440	5249.760	5270.200	---	---
		5280	20.760	5269.640	5290.400	---	---
		5320	20.720	5309.640	5330.360	---	---

Test Graphs

11A_Ant1_5260



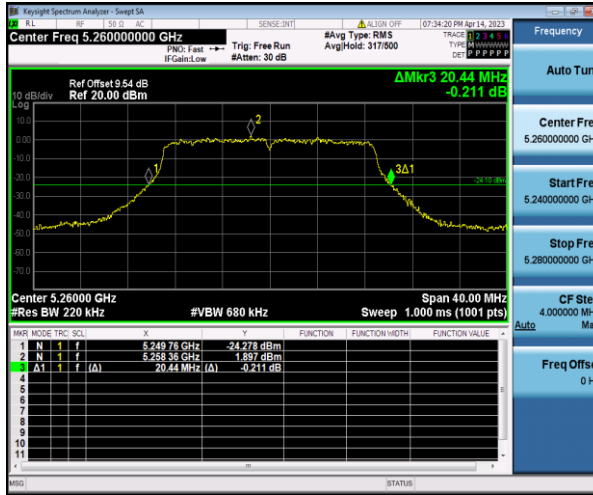
11A_Ant1_5280



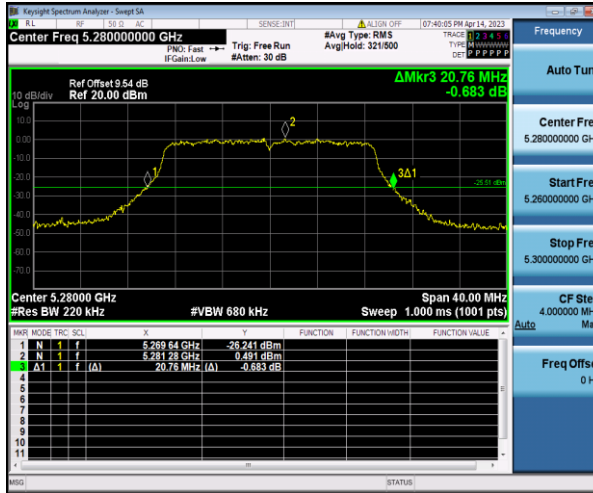
11A_Ant1_5320



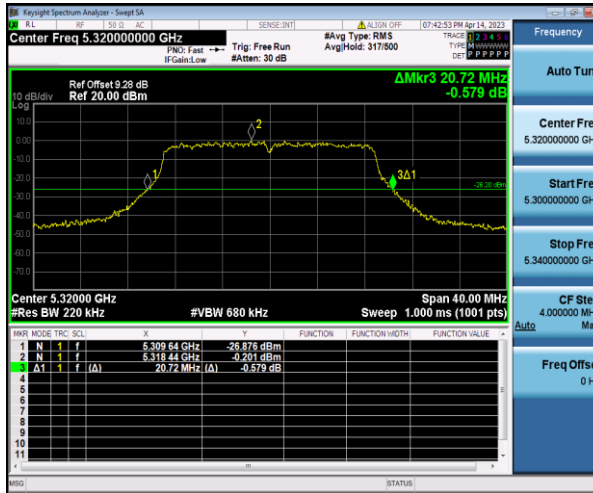
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



Appendix C.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	17.200	5251.419	5268.619	---	---
		5280	17.159	5271.457	5288.616	---	---
		5320	17.111	5311.497	5328.608	---	---
11N20SISO	Ant1	5260	17.828	5251.019	5268.847	---	---
		5280	17.837	5271.008	5288.845	---	---
		5320	17.827	5311.027	5328.854	---	---

Test Graphs

11A_Ant1_5260



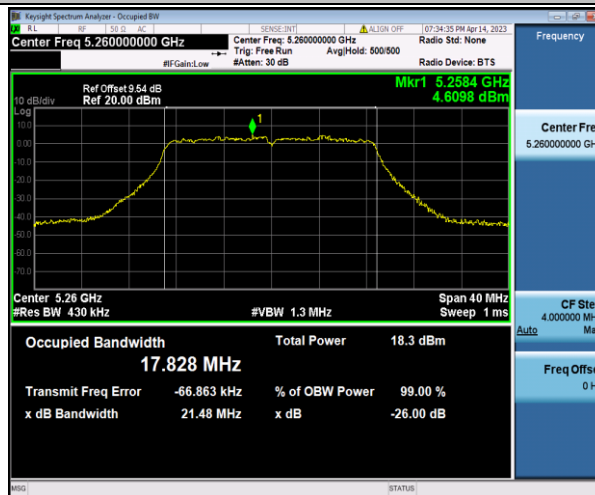
11A_Ant1_5280



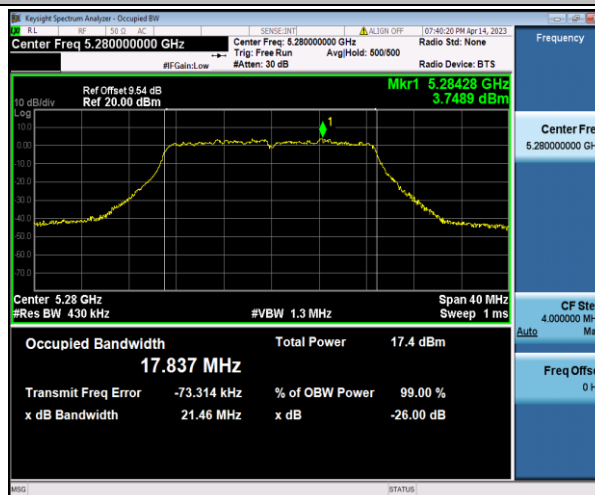
11A_Ant1_5320



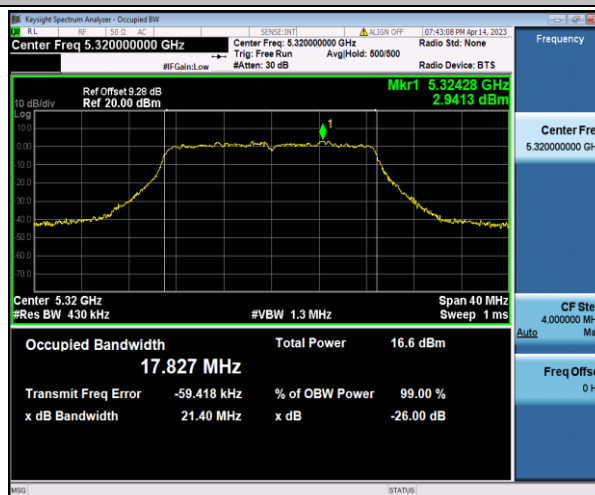
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



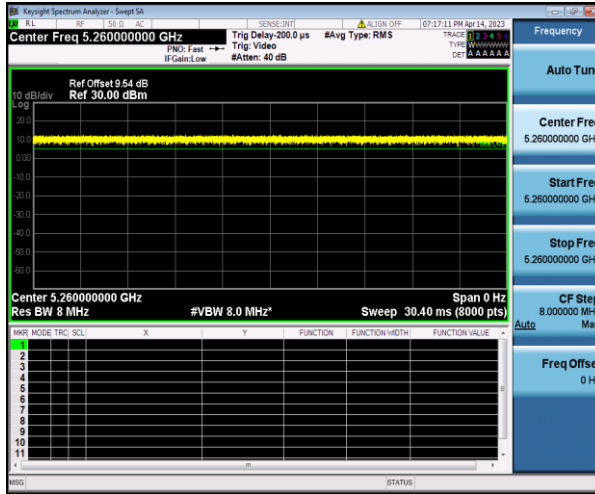
Appendix C.3: Duty Cycle

Test Result

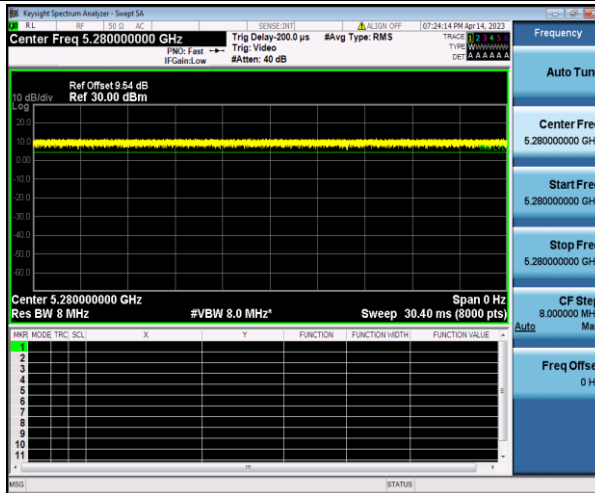
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5260	30.00	30.00	100.00
		5280	30.00	30.00	100.00
		5320	30.00	30.00	100.00
11N20SISO	Ant1	5260	30.00	30.00	100.00
		5280	30.00	30.00	100.00
		5320	30.00	30.00	100.00

Test Graphs

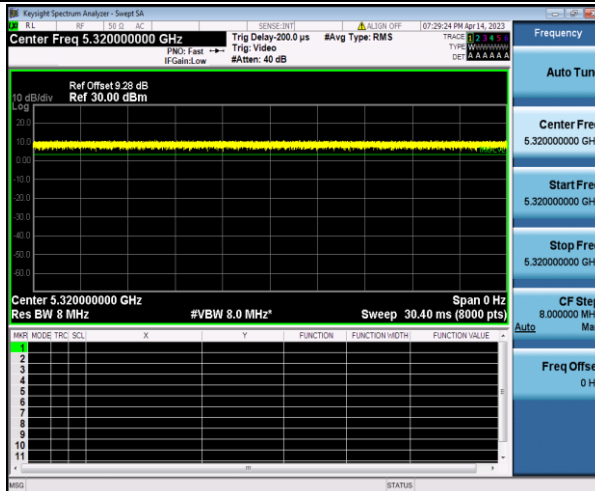
11A_Ant1_5260



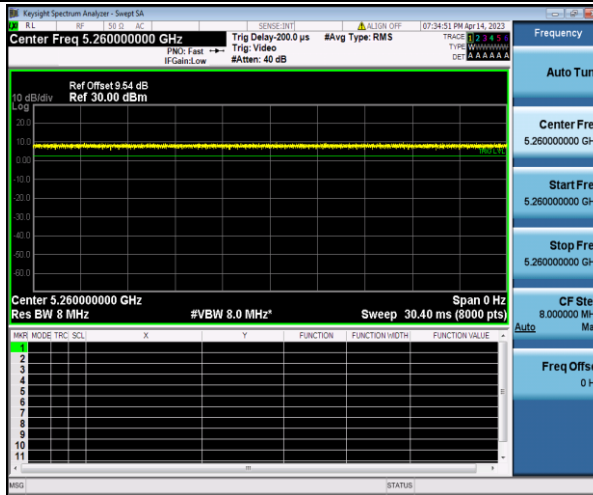
11A_Ant1_5280



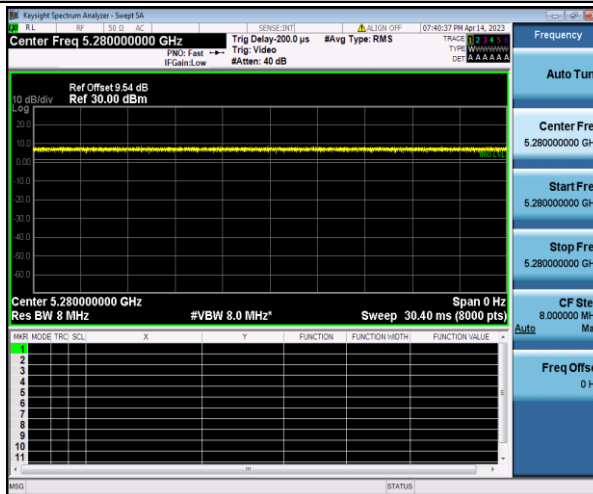
11A_Ant1_5320



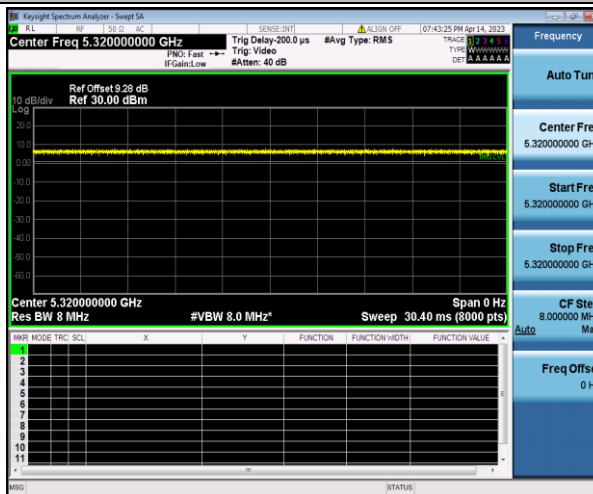
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



Appendix C.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	Ant1	5260	17.60	100.00	0.00	17.60	≤23.98	PASS
		5280	17.03	100.00	0.00	17.03	≤23.98	PASS
		5320	17.20	100.00	0.00	17.20	≤23.98	PASS
11N20SISO	Ant1	5260	17.10	100.00	0.00	17.10	≤23.98	PASS
		5280	16.97	100.00	0.00	16.97	≤23.98	PASS
		5320	16.98	100.00	0.00	16.98	≤23.98	PASS

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

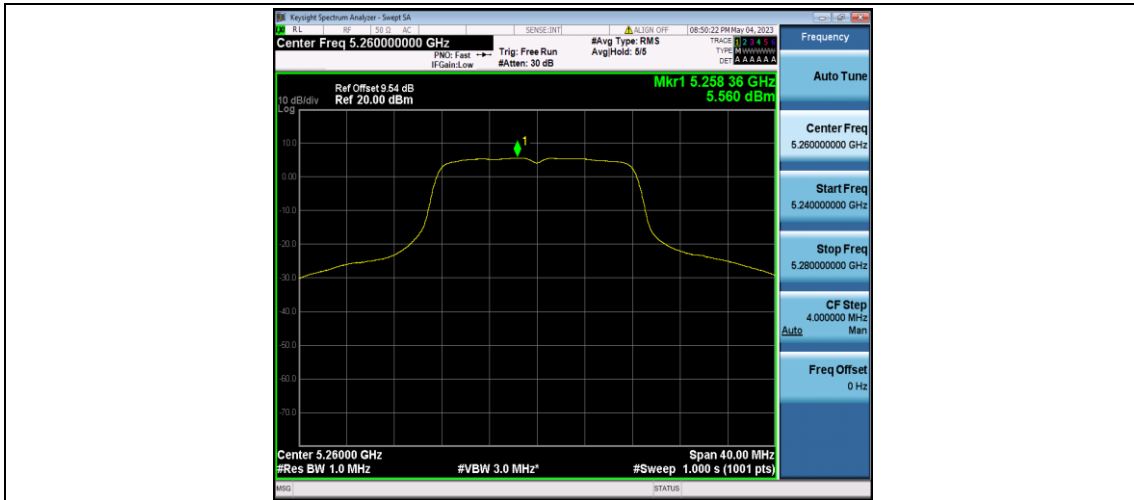
Appendix C.5: Maximum power spectral density

Test Result

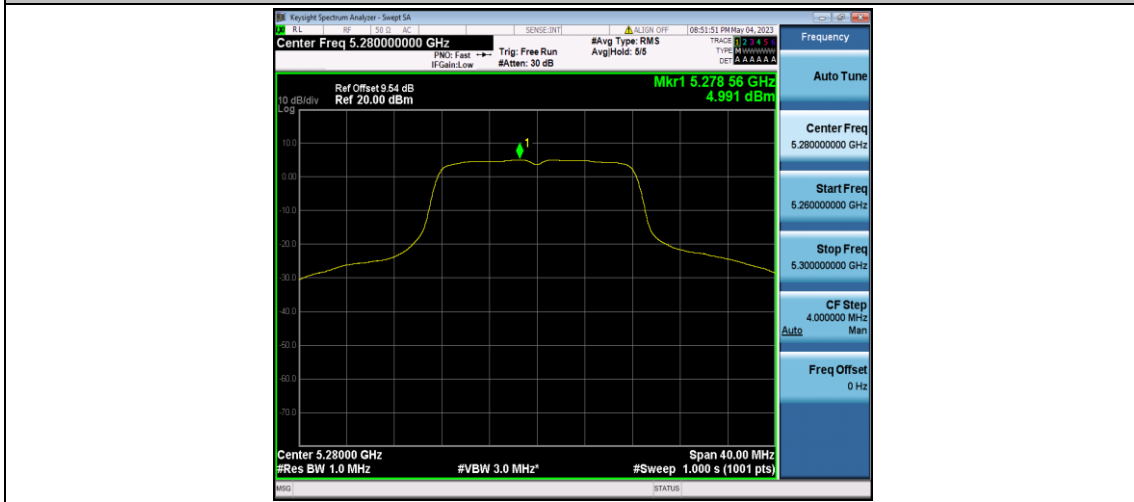
TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	5.56	≤11.00	PASS
		5280	4.99	≤11.00	PASS
		5320	5.2	≤11.00	PASS
11N20SISO	Ant1	5260	4.88	≤11.00	PASS
		5280	4.74	≤11.00	PASS
		5320	4.84	≤11.00	PASS

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_5260



11A_Ant1_5280



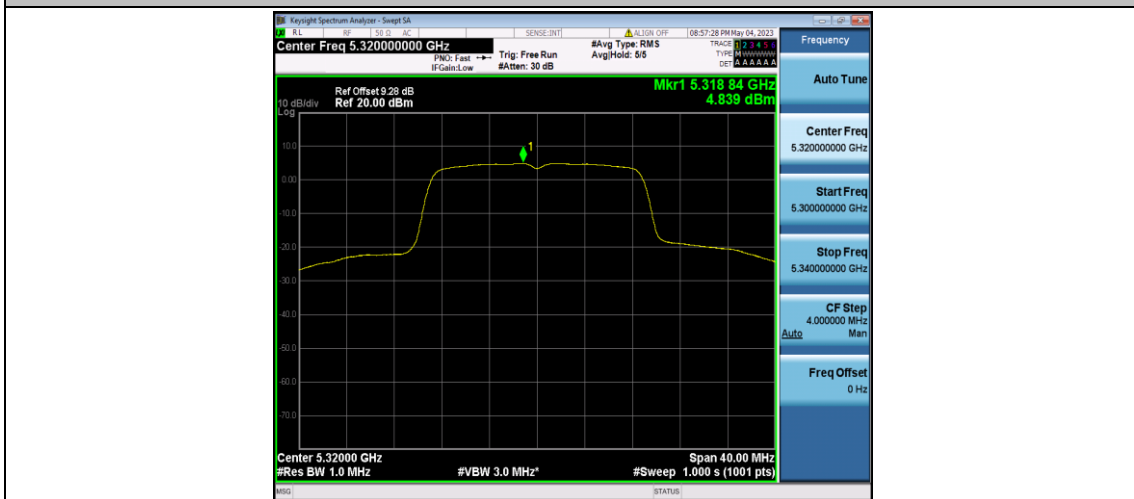
11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



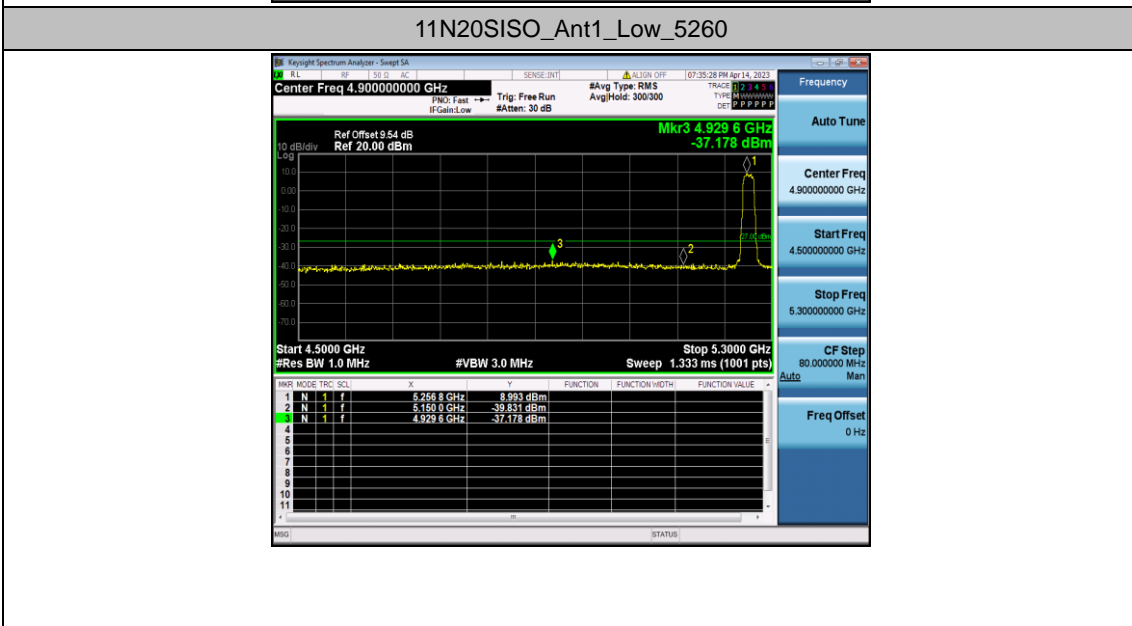
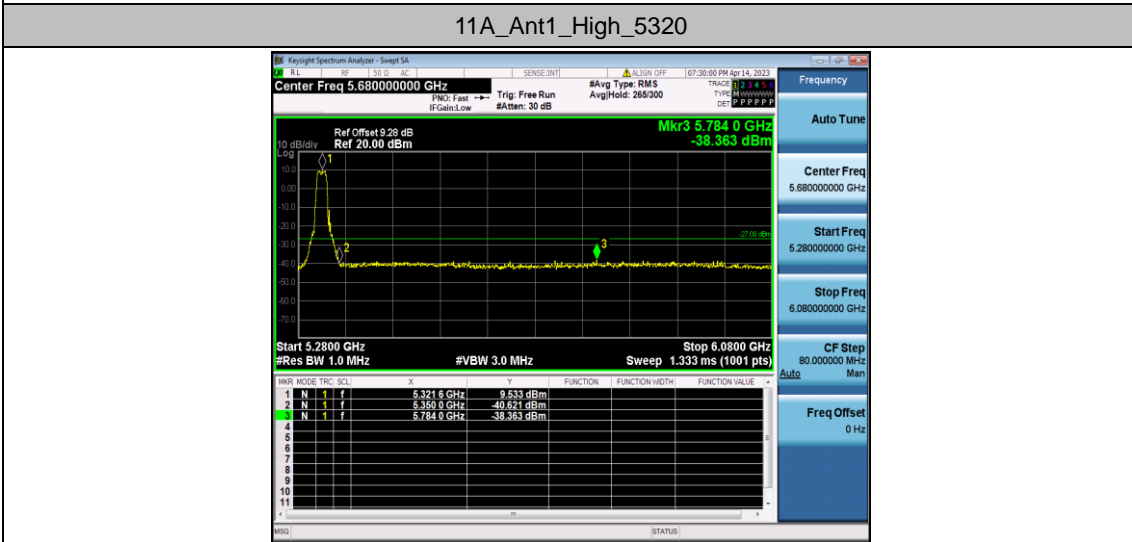
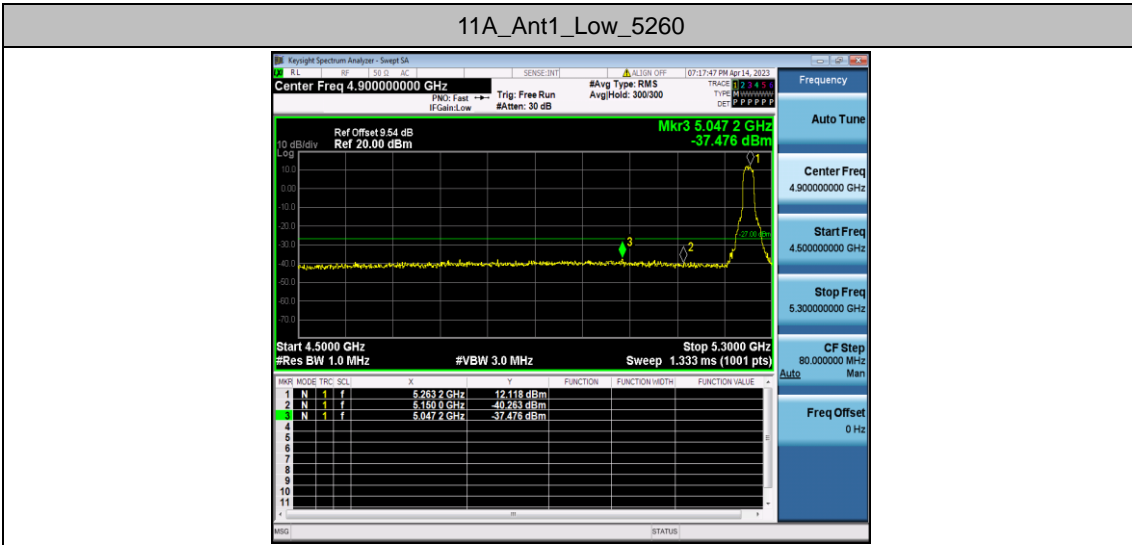
11N20SISO_Ant1_5320

Appendix C.6: Band edge measurements

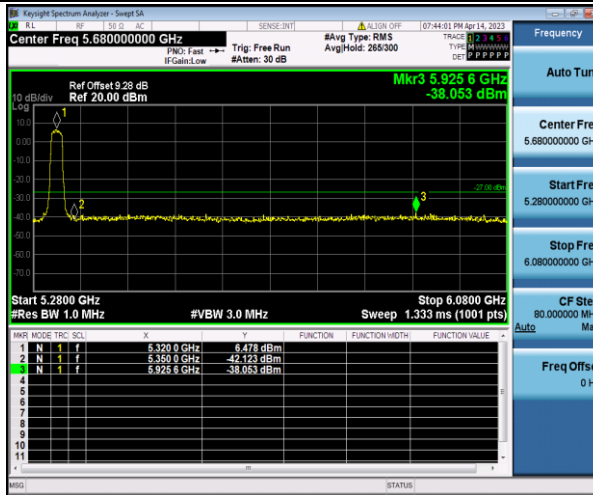
Test Result B2

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-37.48	≤-27	PASS
		High	5320	-38.36	≤-27	PASS
11N20SISO	Ant1	Low	5260	-37.18	≤-27	PASS
		High	5320	-38.05	≤-27	PASS

Test Graphs B2



11N20SISO_Ant1_High_5320



Appendix C.7: Conducted Spurious Emission

Test Result

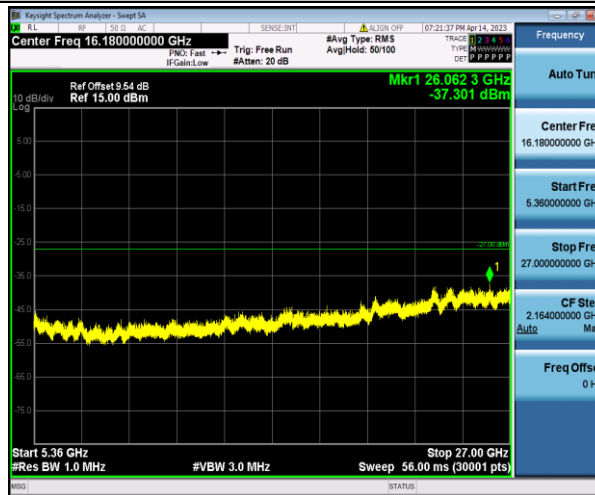
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	4878.2	-46.73	≤-27	PASS
			5360~40000	26062.27	-37.3	≤-27	PASS
		5280	30~5140	5104.23	-46.67	≤-27	PASS
			5360~40000	24232.97	-37.84	≤-27	PASS
		5320	30~5140	4927.94	-47.17	≤-27	PASS
			5360~40000	25117.32	-37.95	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	4898.81	-46.95	≤-27	PASS
			5360~40000	26873.77	-37.57	≤-27	PASS
		5280	30~5140	4924.53	-46.74	≤-27	PASS
			5360~40000	26997.11	-37.86	≤-27	PASS
		5320	30~5140	4971.54	-46.49	≤-27	PASS
			5360~40000	24944.2	-38.19	≤-27	PASS

Test Graphs

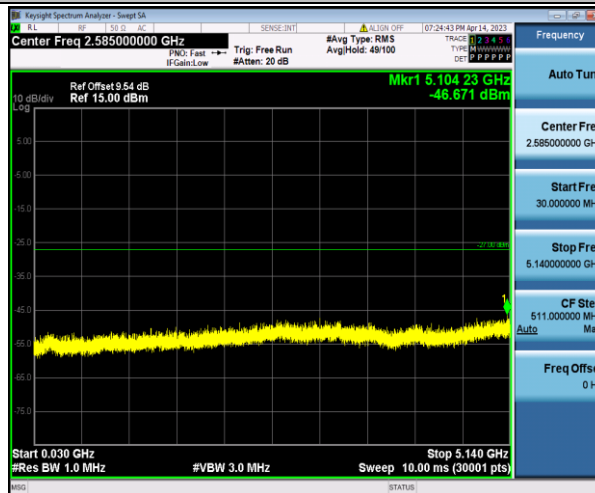
11A_Ant1_5260_30~5140



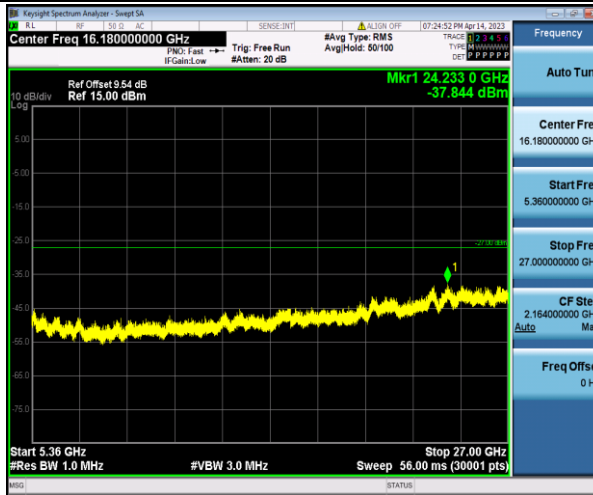
11A_Ant1_5260_5360~40000



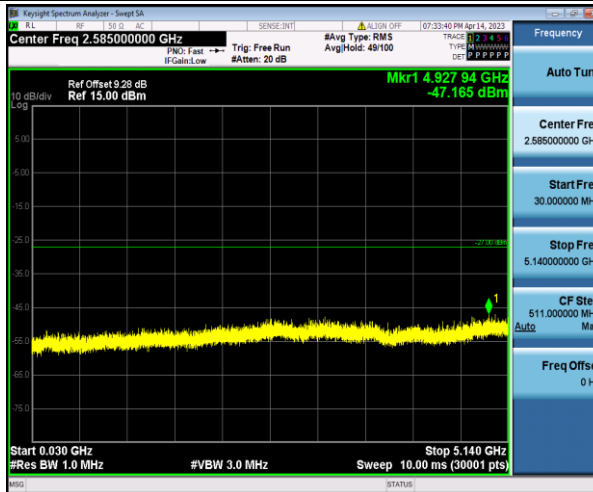
11A_Ant1_5280_30~5140



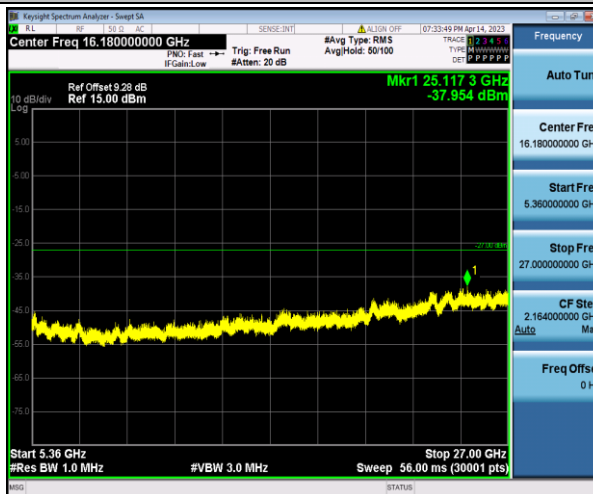
11A_Ant1_5280_5360~40000



11A_Ant1_5320_30~5140



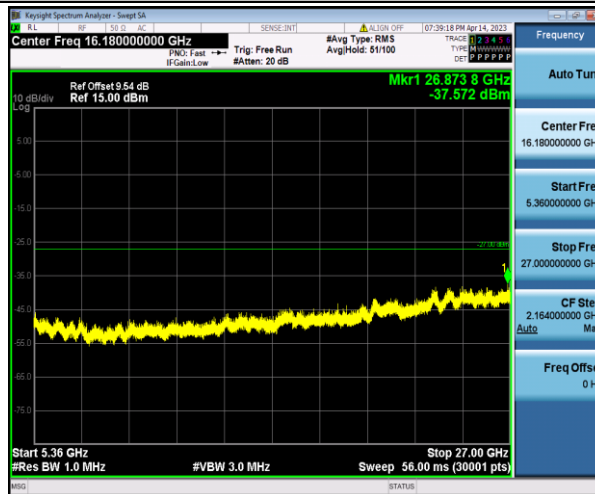
11A_Ant1_5320_5360~40000



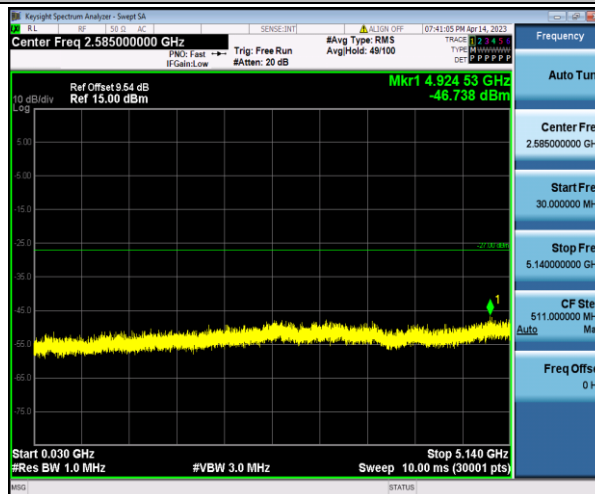
11N20SISO_Ant1_5260_30~5140



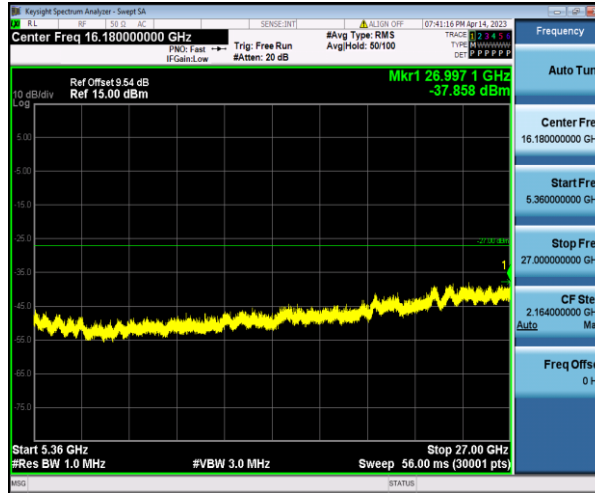
11N20SISO_Ant1_5260_5360~40000



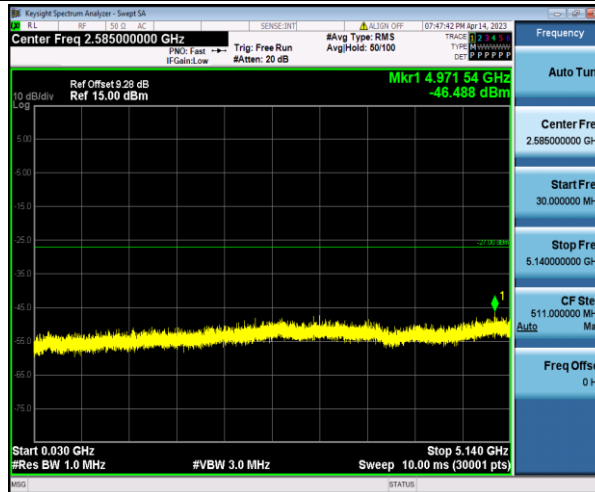
11N20SISO_Ant1_5280_30~5140



11N20SISO_Ant1_5280_5360~40000



11N20SISO_Ant1_5320_30~5140



11N20SISO_Ant1_5320_5360~40000

