

Case No. : <u>GTS20230330014-1-11</u>
Ambient Condition: <u>22</u> °C, <u>48</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.4.14</u> Test Engineer: <u>Jenny zeng</u>

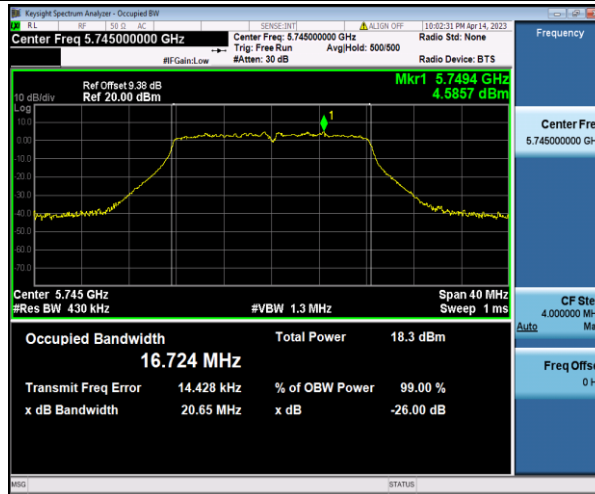
Appendix E.1: Occupied channel bandwidth

Test Result

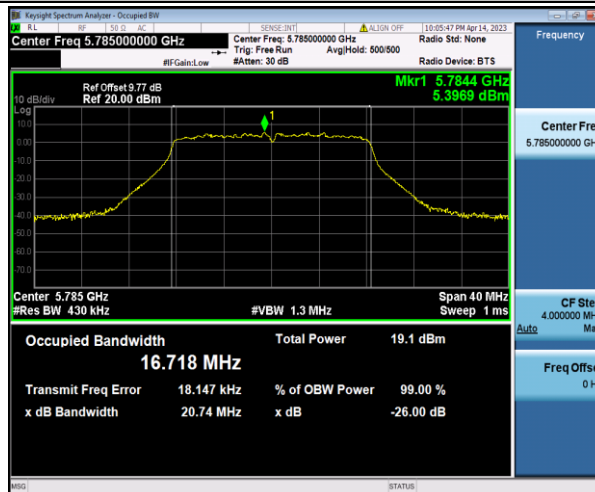
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.724	5736.652	5753.376	---	---
		5785	16.718	5776.659	5793.377	---	---
		5825	16.727	5816.682	5833.409	---	---
11N20SISO	Ant1	5745	17.824	5736.102	5753.926	---	---
		5785	17.817	5776.092	5793.909	---	---
		5825	17.833	5816.122	5833.955	---	---

Test Graphs

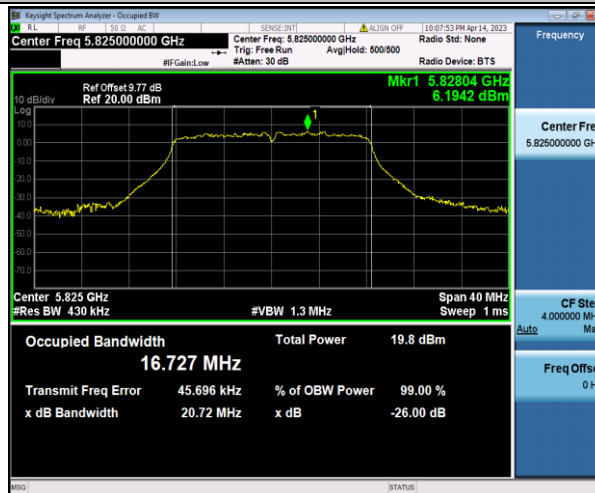
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



Appendix E.2: Min emission bandwidth

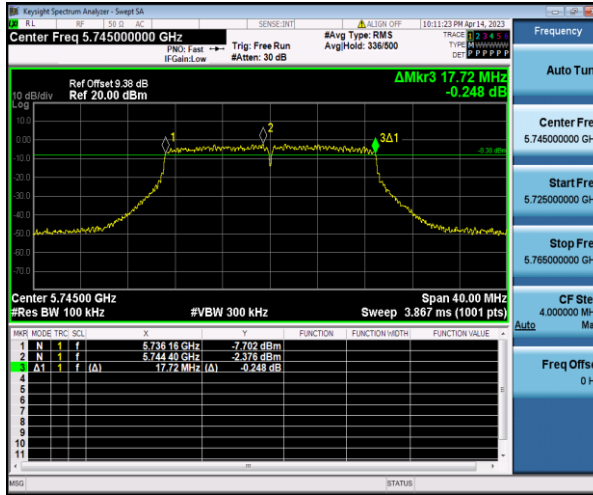
Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.480	5736.760	5753.240	0.5	PASS
		5785	16.480	5776.800	5793.280	0.5	PASS
		5825	16.480	5816.800	5833.280	0.5	PASS
11N20SISO	Ant1	5745	17.720	5736.160	5753.880	0.5	PASS
		5785	17.720	5776.160	5793.880	0.5	PASS
		5825	17.720	5816.160	5833.880	0.5	PASS

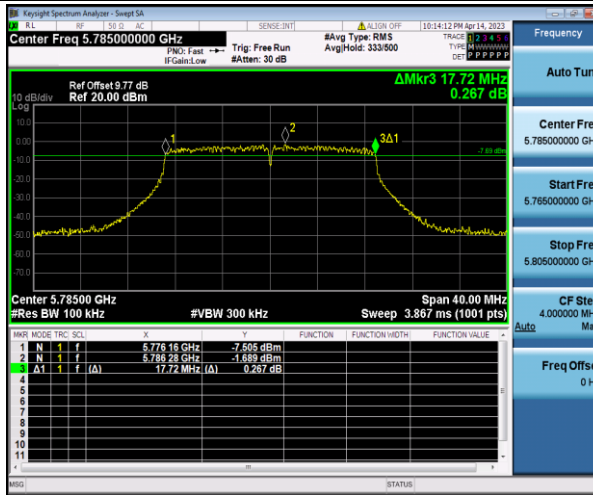
Test Graphs B4



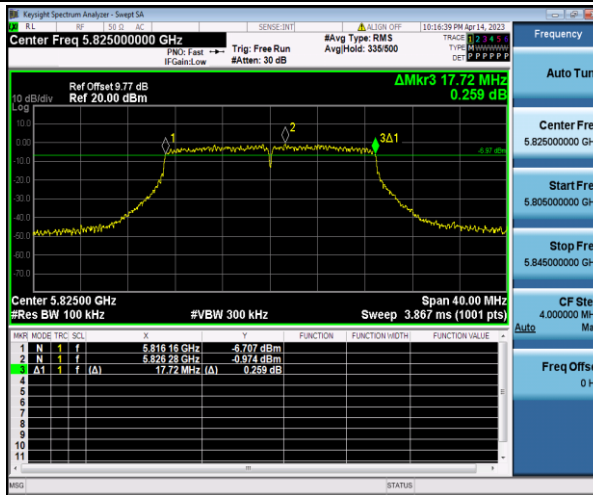
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



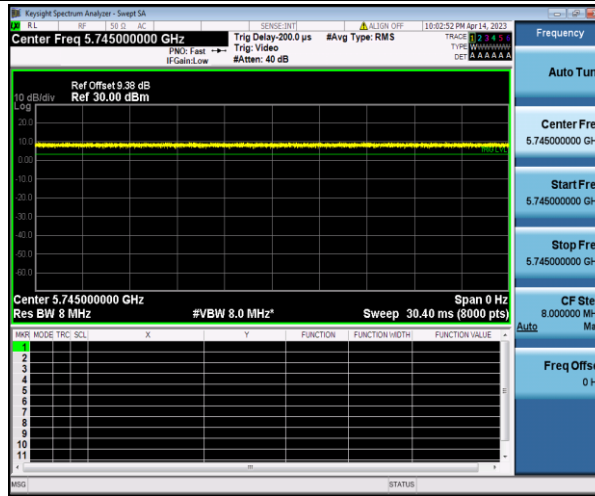
Appendix E.3: Duty Cycle

Test Result

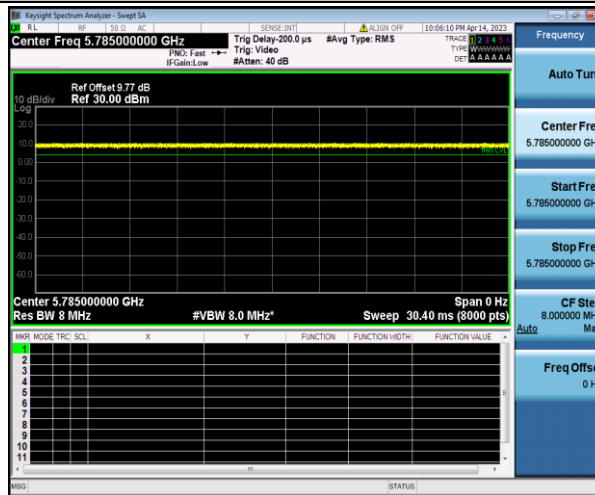
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00

Test Graphs

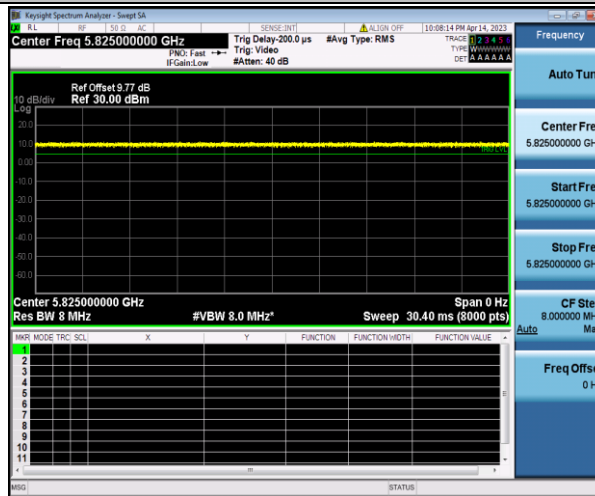
11A_Ant1_5745



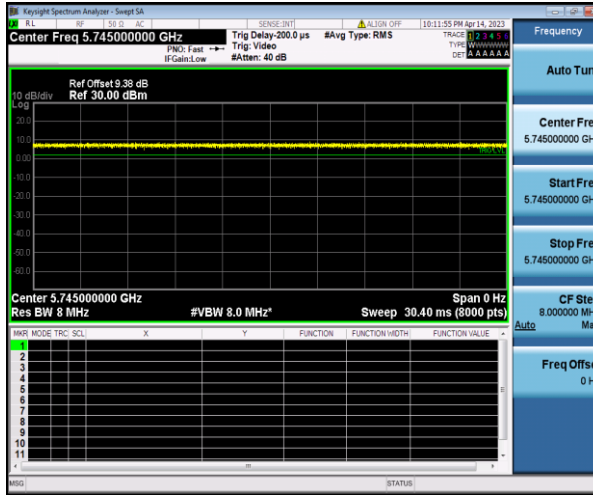
11A_Ant1_5785



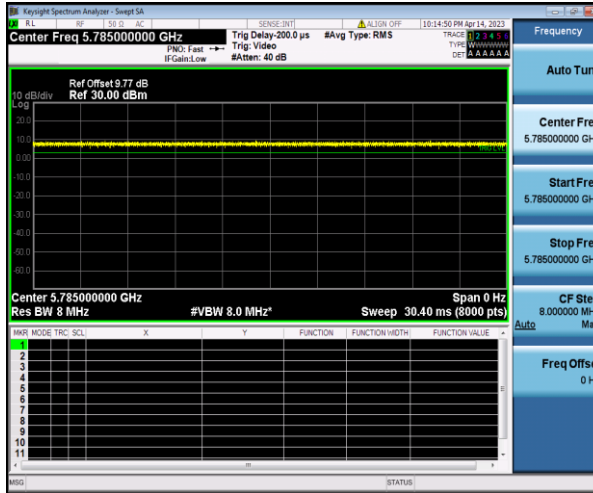
11A_Ant1_5825



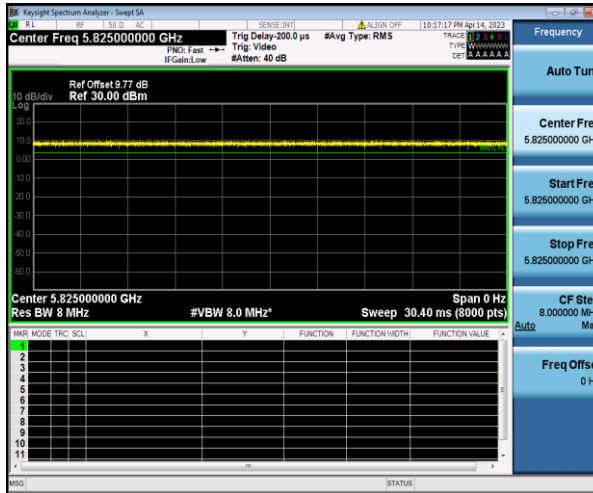
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



Appendix E.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	5745	17.57	100.00	0.00	17.57	≤30.00	PASS
		5785	17.75	100.00	0.00	17.75	≤30.00	PASS
		5825	17.19	100.00	0.00	17.19	≤30.00	PASS
11N20SISO	Ant1	5745	17.75	100.00	0.00	17.75	≤30.00	PASS
		5785	16.94	100.00	0.00	16.94	≤30.00	PASS
		5825	17.25	100.00	0.00	17.25	≤30.00	PASS

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

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	2.98	≤30.00	PASS
		5785	2.98	≤30.00	PASS
		5825	2.74	≤30.00	PASS
11N20SISO	Ant1	5745	2.67	≤30.00	PASS
		5785	2.01	≤30.00	PASS
		5825	2.47	≤30.00	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



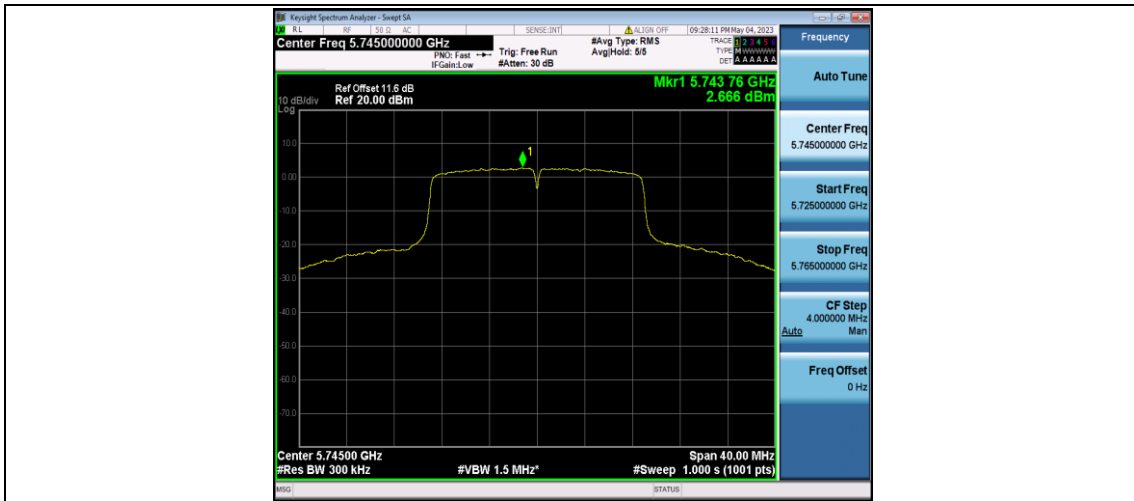
11A_Ant1_5745



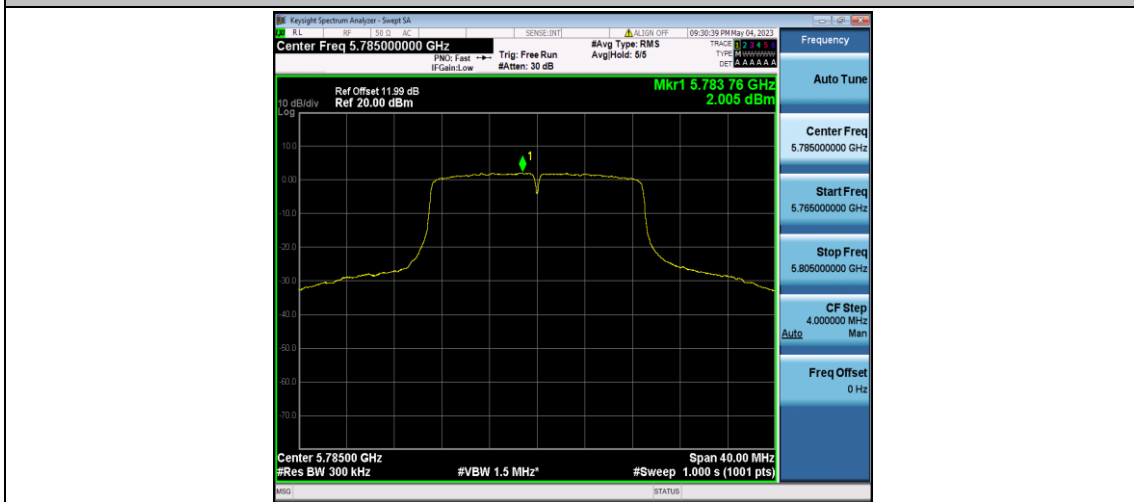
11A_Ant1_5785



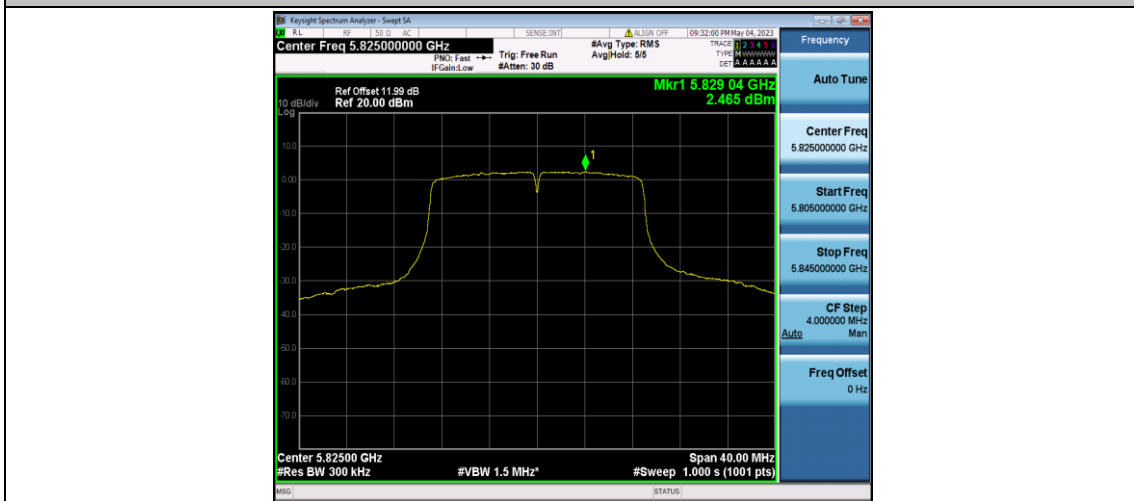
11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825

Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-38.88	≤-26.79	PASS
				5700~5720	-37.52	≤11.15	PASS
				5720~5725	-33.67	≤26.83	PASS
				5760~5650	-39.34	≤-27	PASS
		High	5825	5850~5855	-33.43	≤16.41	PASS
				5855~5875	-38.31	≤12.82	PASS
				5875~5925	-38.02	≤-7.48	PASS
				5925~5935	-39.04	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-39.48	≤-9.94	PASS
				5700~5720	-39.16	≤13.86	PASS
				5720~5725	-37.77	≤26.57	PASS
				5760~5650	-40.3	≤-27	PASS
		High	5825	5850~5855	-36.94	≤21.03	PASS
				5855~5875	-37.89	≤14.90	PASS
				5875~5925	-37.77	≤-1.08	PASS
				5925~5935	-38.63	≤-27	PASS

Test Graphs B4

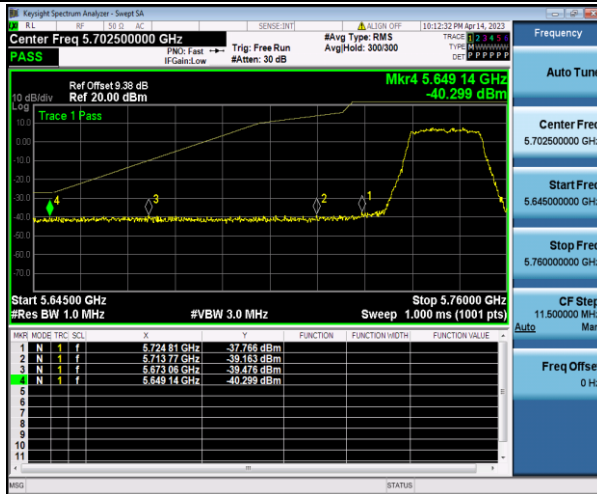
11A_Ant1_Low_5745



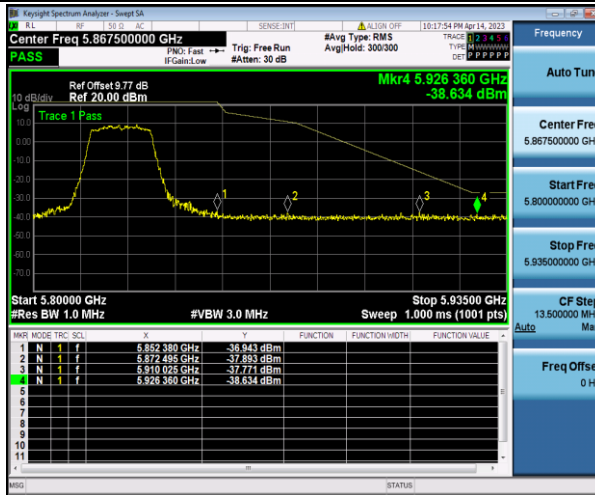
11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



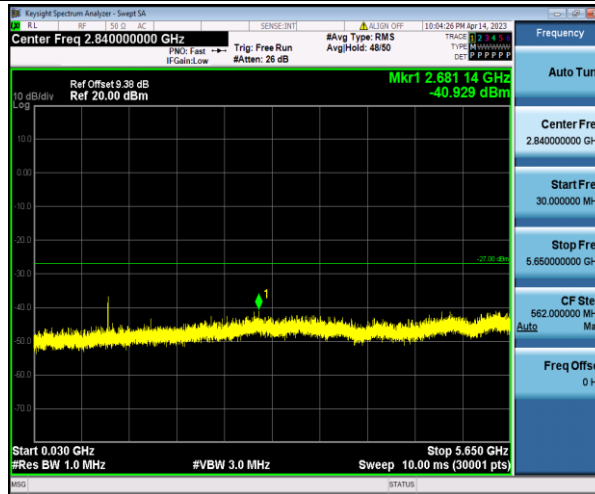
Appendix E.7: Conducted Spurious Emission

Test Result

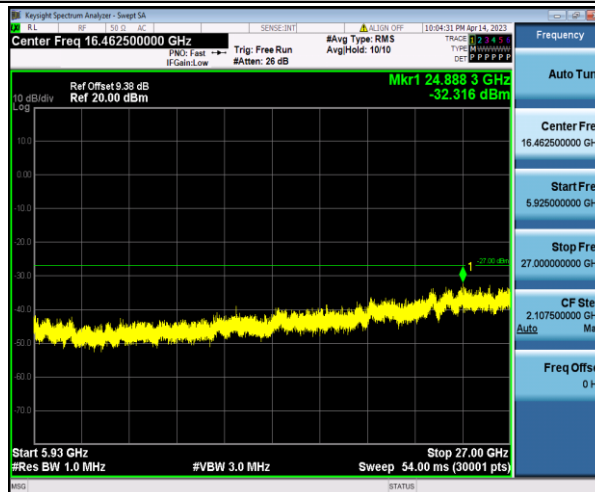
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	2681.14	-40.93	≤-27	PASS
			5925~40000	24888.29	-32.32	≤-27	PASS
		5785	30~5650	5482.52	-40.59	≤-27	PASS
			5925~40000	24913.58	-31.01	≤-27	PASS
		5825	30~5650	4937.01	-40.45	≤-27	PASS
			5925~40000	25240.94	-31.85	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	2650.61	-40.89	≤-27	PASS
			5925~40000	24267.98	-30.74	≤-27	PASS
		5785	30~5650	905.41	-35.95	≤-27	PASS
			5925~40000	25067.42	-31.44	≤-27	PASS
		5825	30~5650	905.22	-39.85	≤-27	PASS
			5925~40000	23602.71	-31.96	≤-27	PASS

Test Graphs

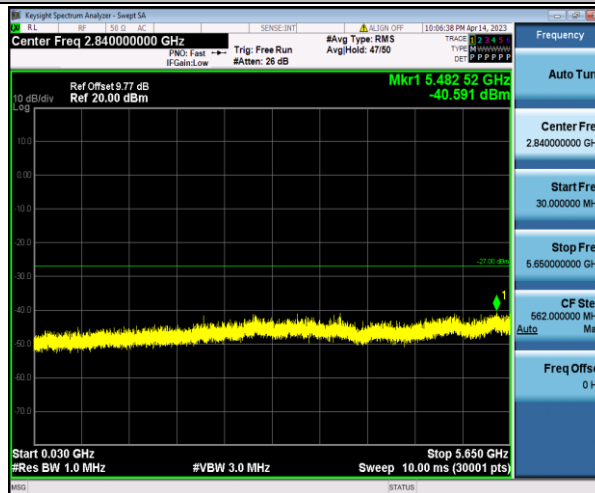
11A_Ant1_5745_30~5650



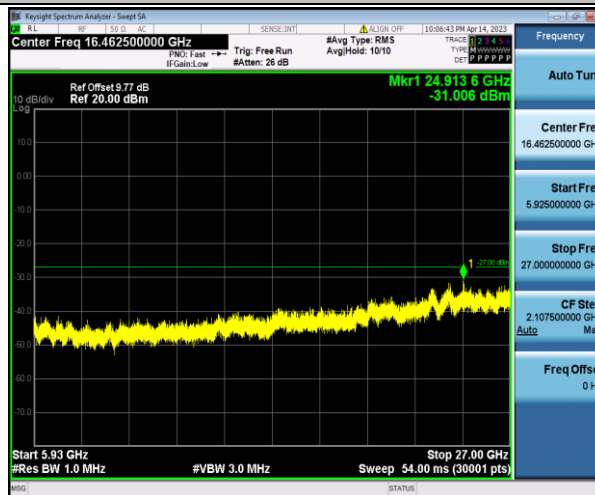
11A_Ant1_5745_5925~40000



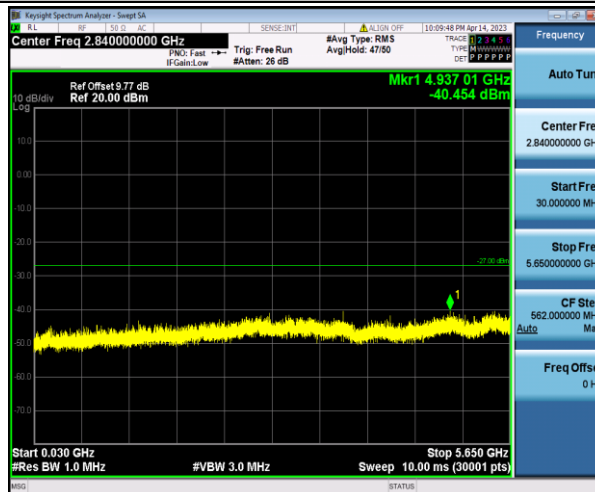
11A_Ant1_5785_30~5650



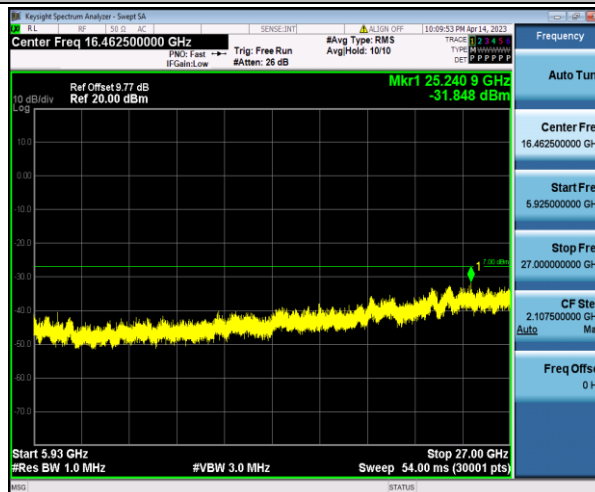
11A_Ant1_5785_5925~40000



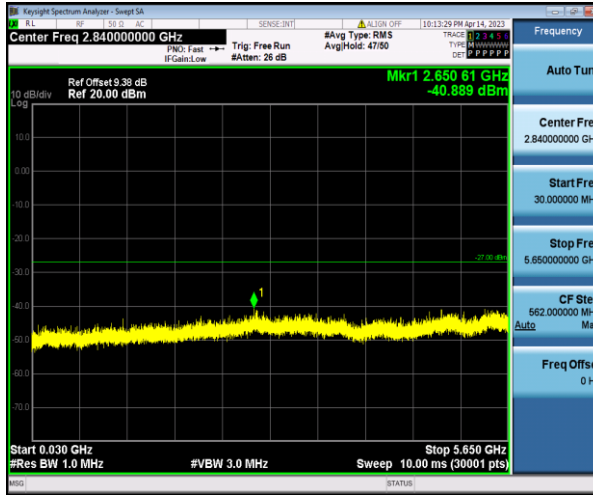
11A_Ant1_5825_30~5650



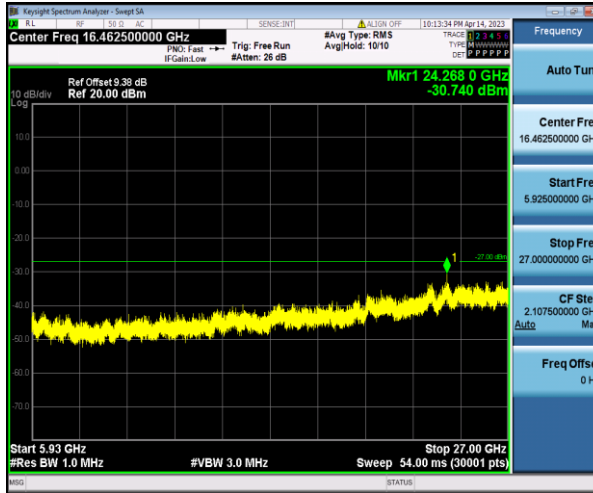
11A_Ant1_5825_5925~40000



11N20SISO_Ant1_5745_30~5650



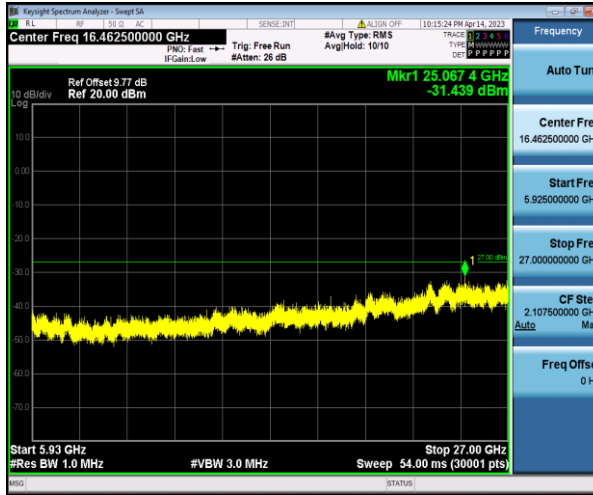
11N20SISO_Ant1_5745_5925~40000



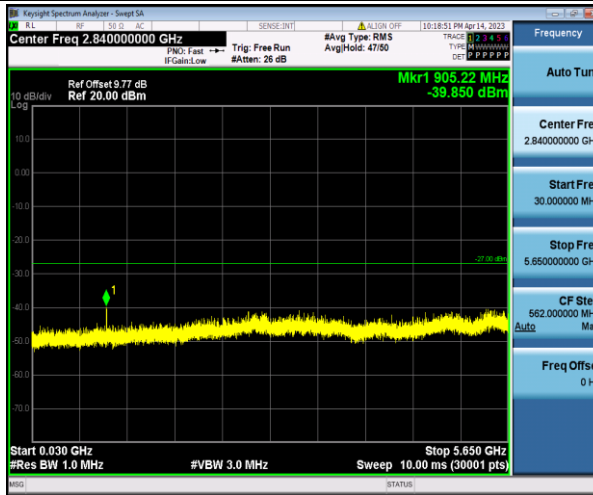
11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~40000



11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~40000

