

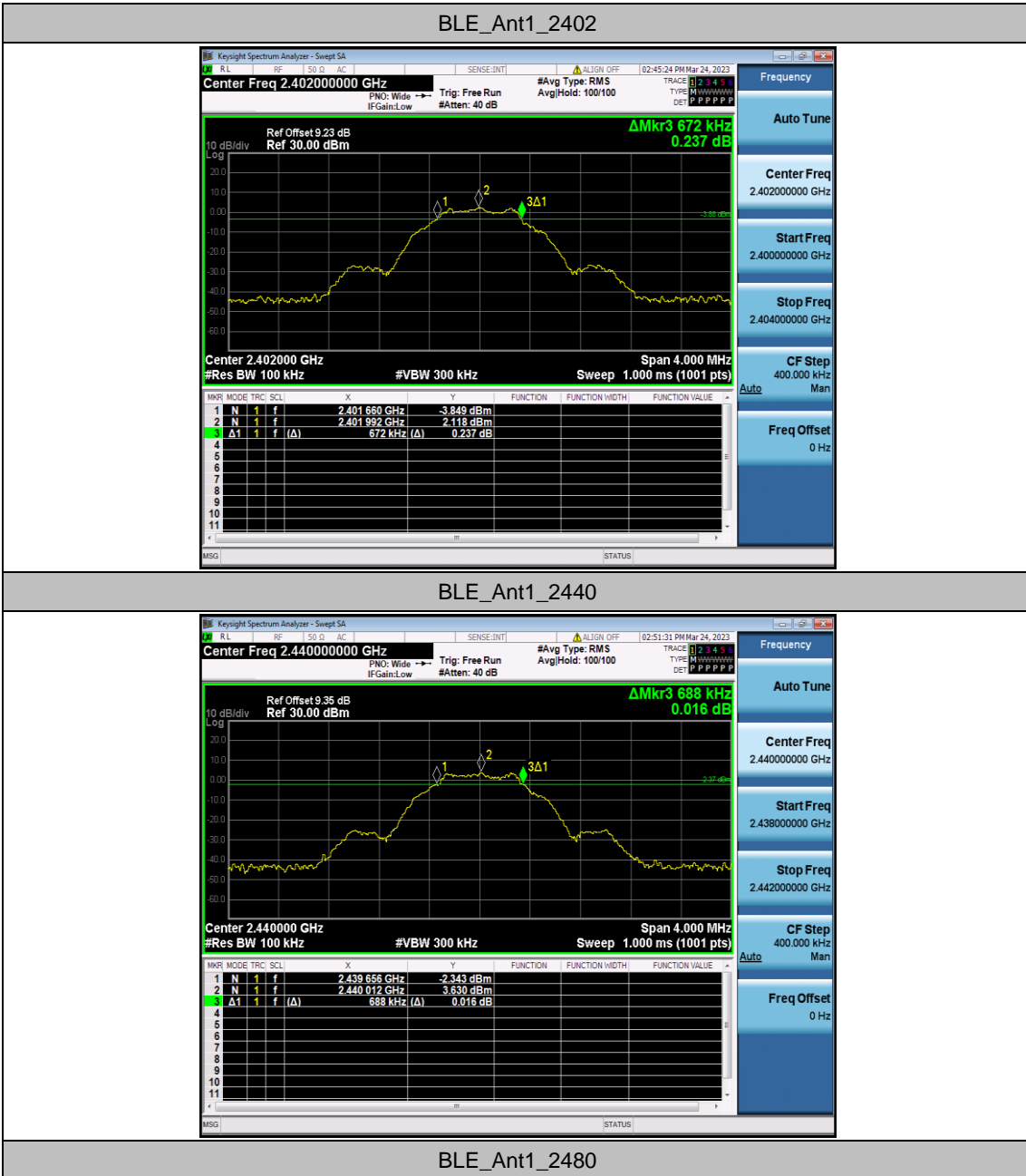
Case No. : <u>GTS20230215017-1-9</u>
Ambient Condition: <u>23</u> °C, <u>51</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.3.22</u> Test Engineer: <u>Jenny zeng</u>

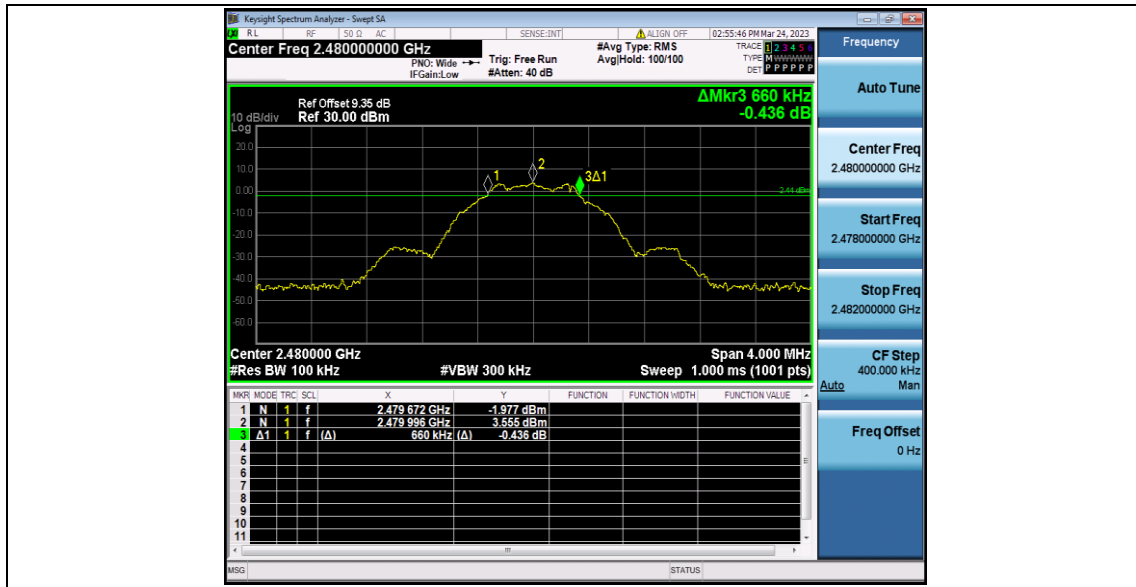
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.672	2401.660	2402.332	0.5	PASS
		2440	0.688	2439.656	2440.344	0.5	PASS
		2480	0.660	2479.672	2480.332	0.5	PASS

Test Graphs



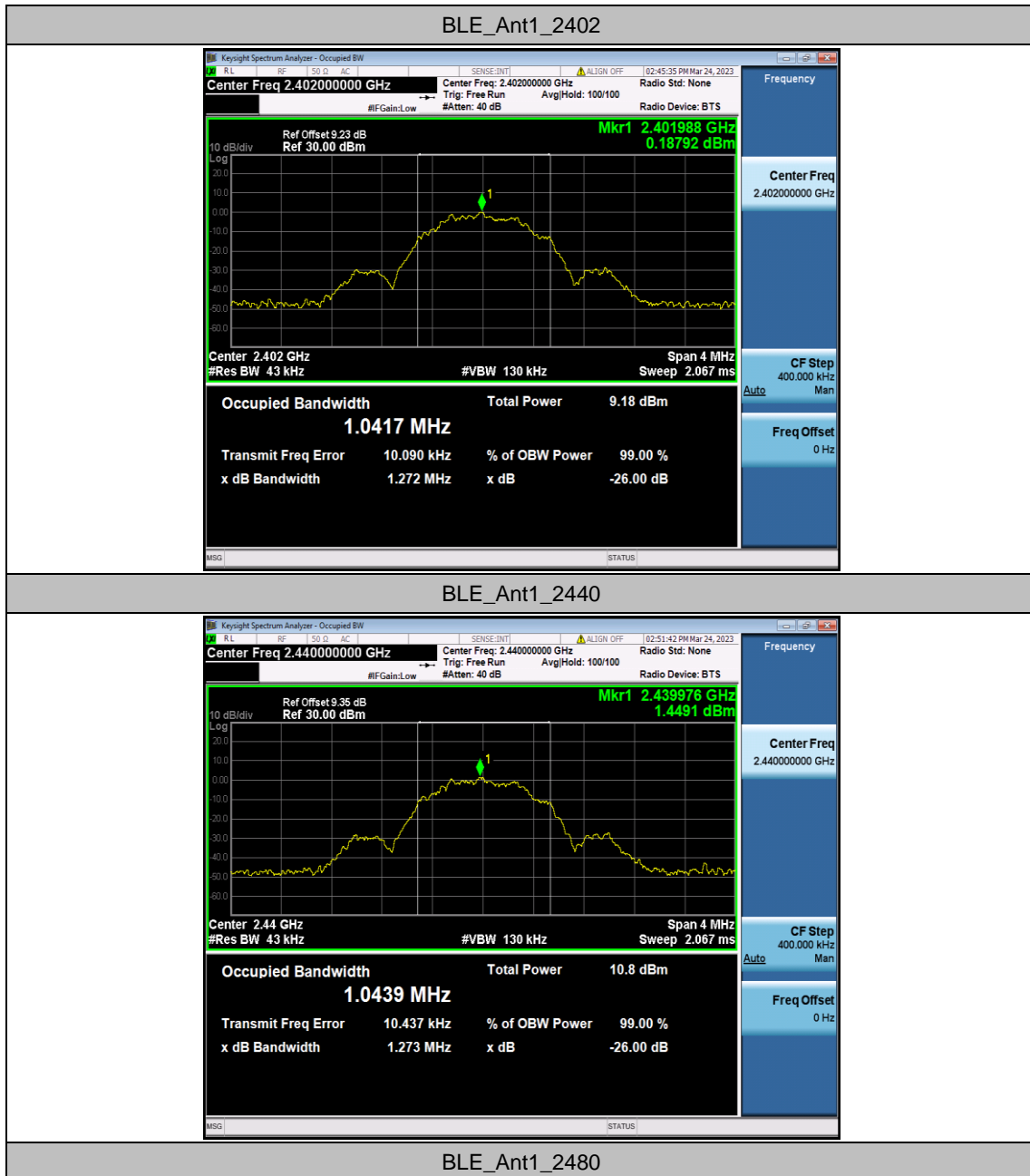


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0417	2401.489	2402.531	---	---
		2440	1.0439	2439.488	2440.532	---	---
		2480	1.0371	2479.491	2480.528	---	---

Test Graphs





Appendix B.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	2.9	≤30	PASS
		2440	4.51	≤30	PASS
		2480	4.34	≤30	PASS

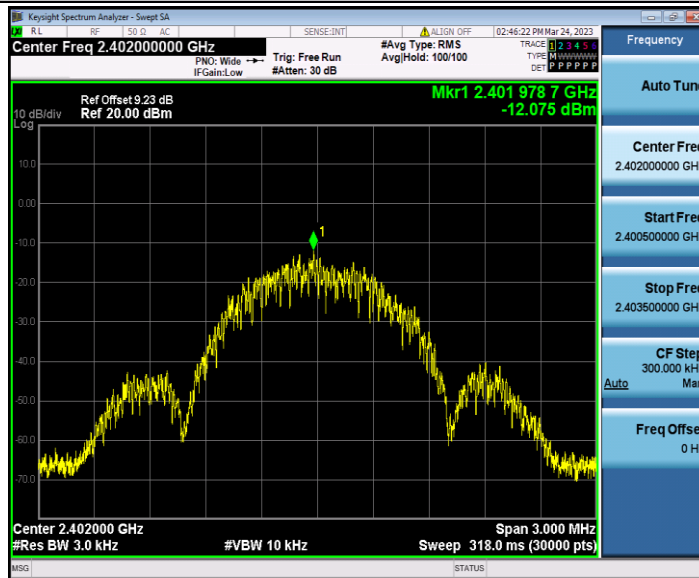
Appendix B.4: Maximum power spectral density

Test Result

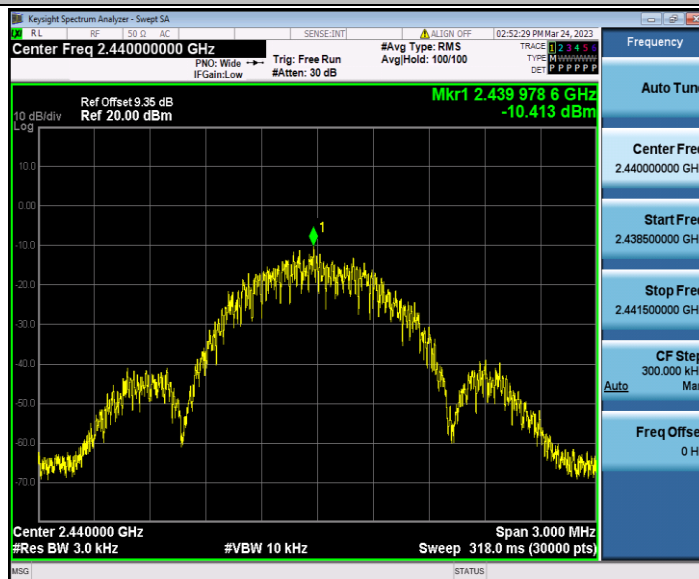
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-12.08	≤8.00	PASS
		2440	-10.41	≤8.00	PASS
		2480	-10.58	≤8.00	PASS

Test Graphs

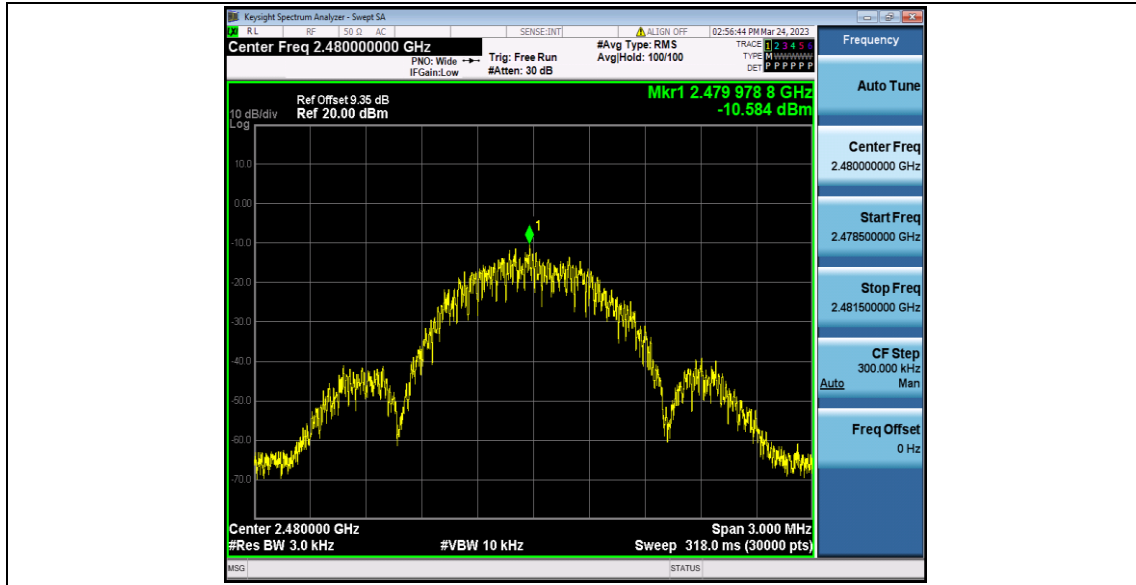
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

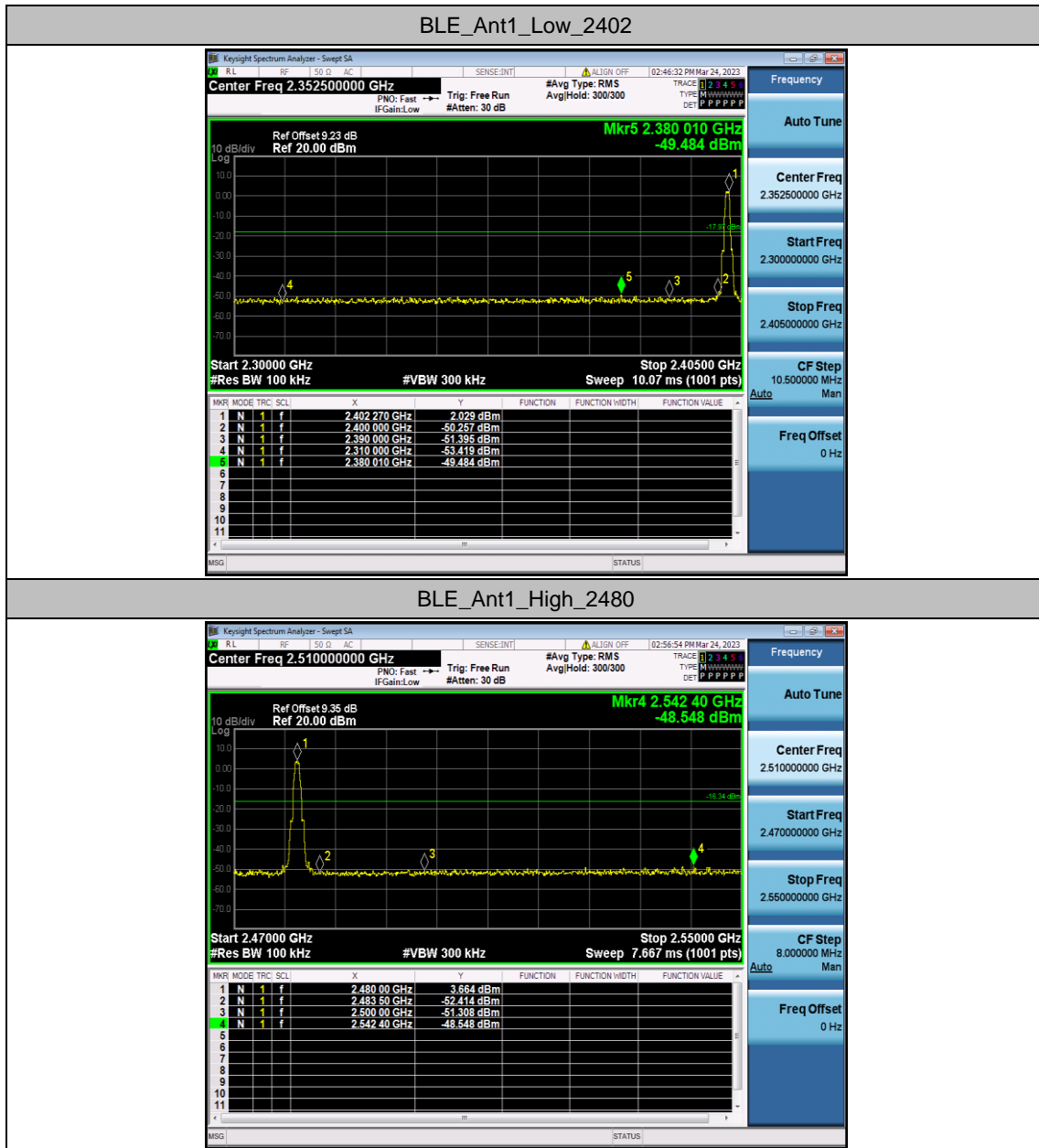


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	2.03	-49.48	≤ -17.97	PASS
		High	2480	3.66	-48.55	≤ -16.34	PASS

Test Graphs

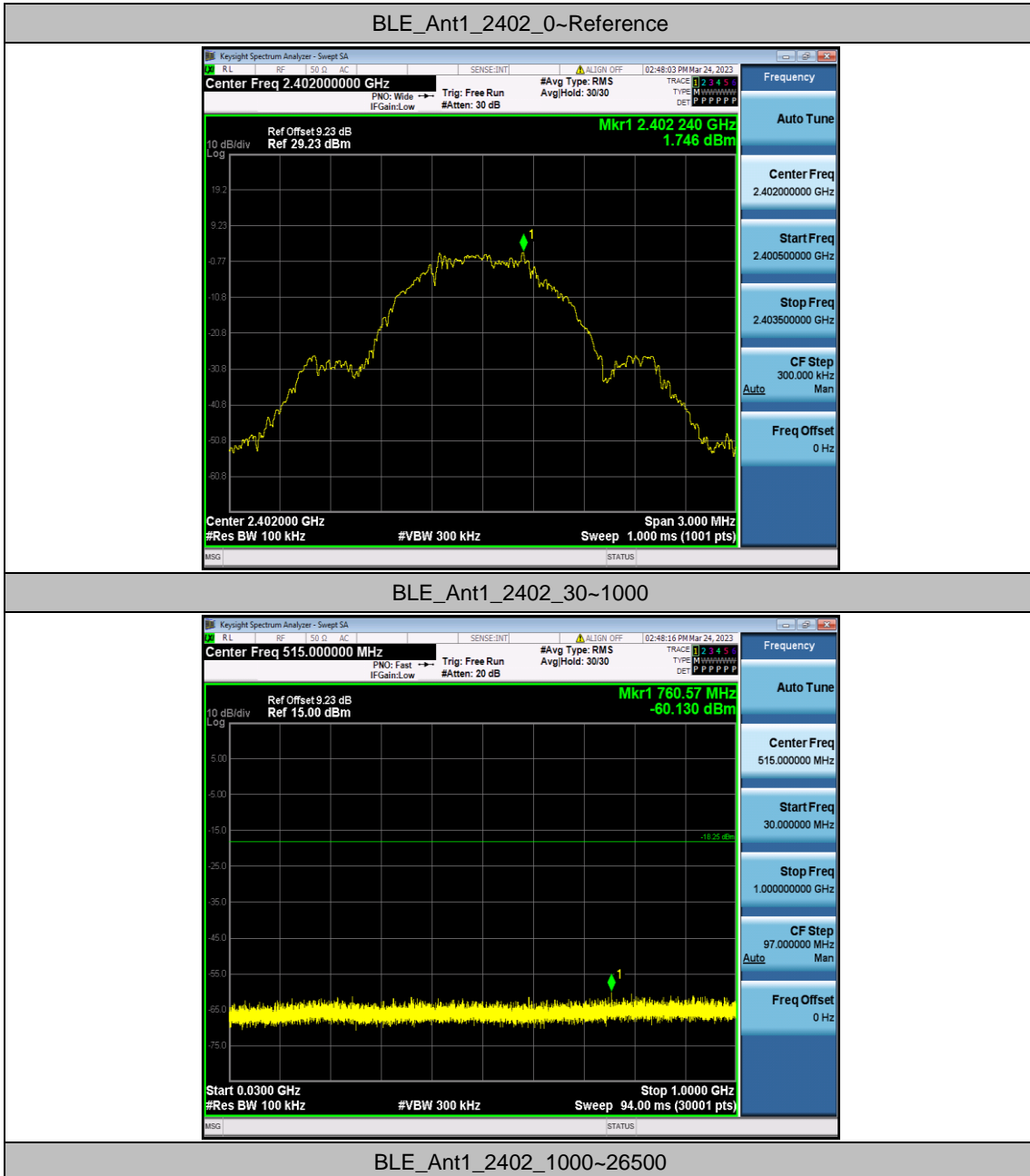


Appendix B.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	1.75	1.75	---	PASS
			30~1000	1.75	-60.13	≤-18.25	PASS
			1000~26500	1.75	-47.62	≤-18.25	PASS
		2440	Reference	3.01	3.01	---	PASS
			30~1000	3.01	-60.55	≤-16.99	PASS
			1000~26500	3.01	-47.11	≤-16.99	PASS
		2480	Reference	3.27	3.27	---	PASS
			30~1000	3.27	-59.44	≤-16.73	PASS
			1000~26500	3.27	-46.59	≤-16.73	PASS

Test Graphs

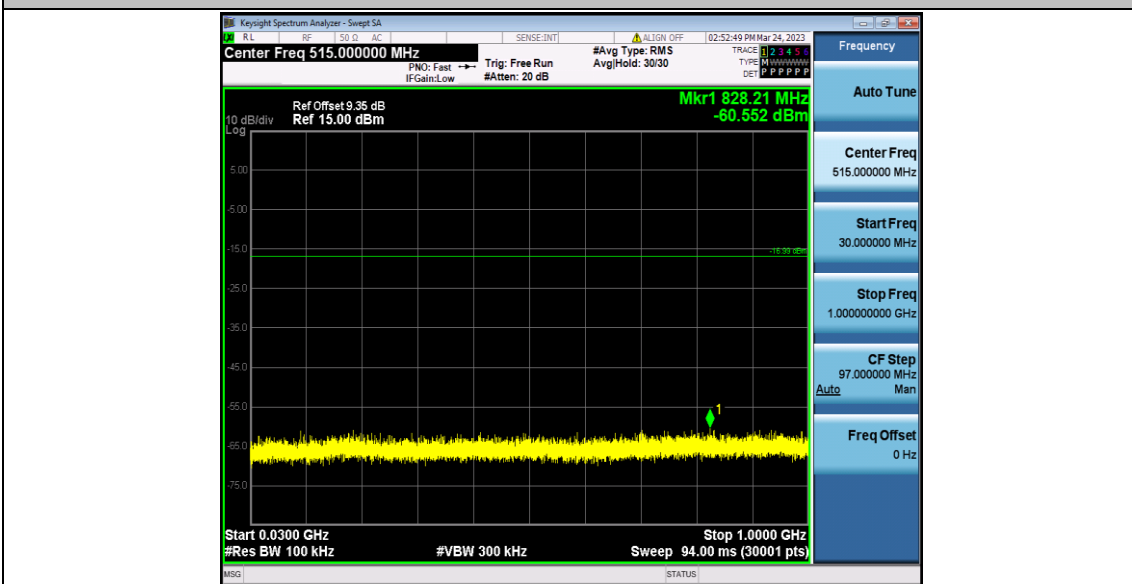




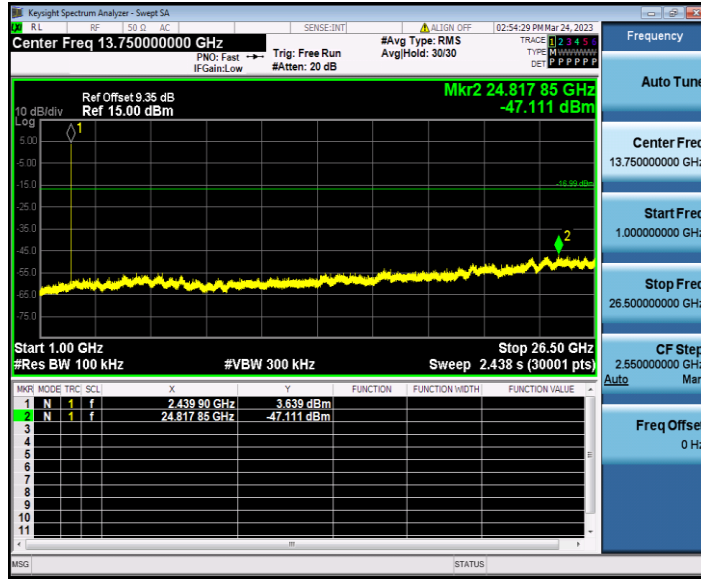
BLE_Ant1_2440_0-Reference



BLE_Ant1_2440_30-1000



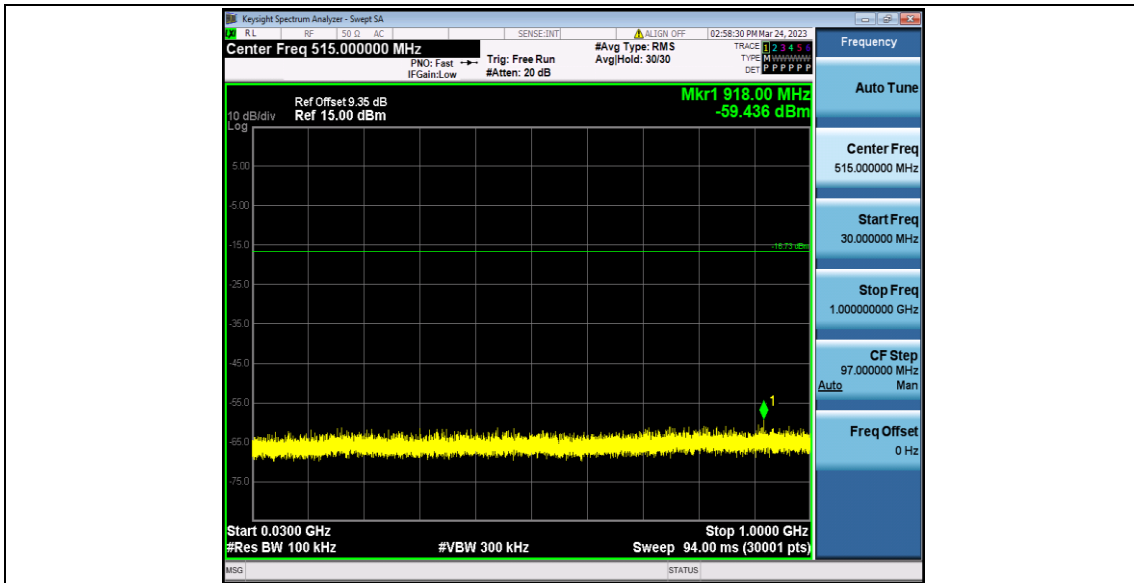
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

