

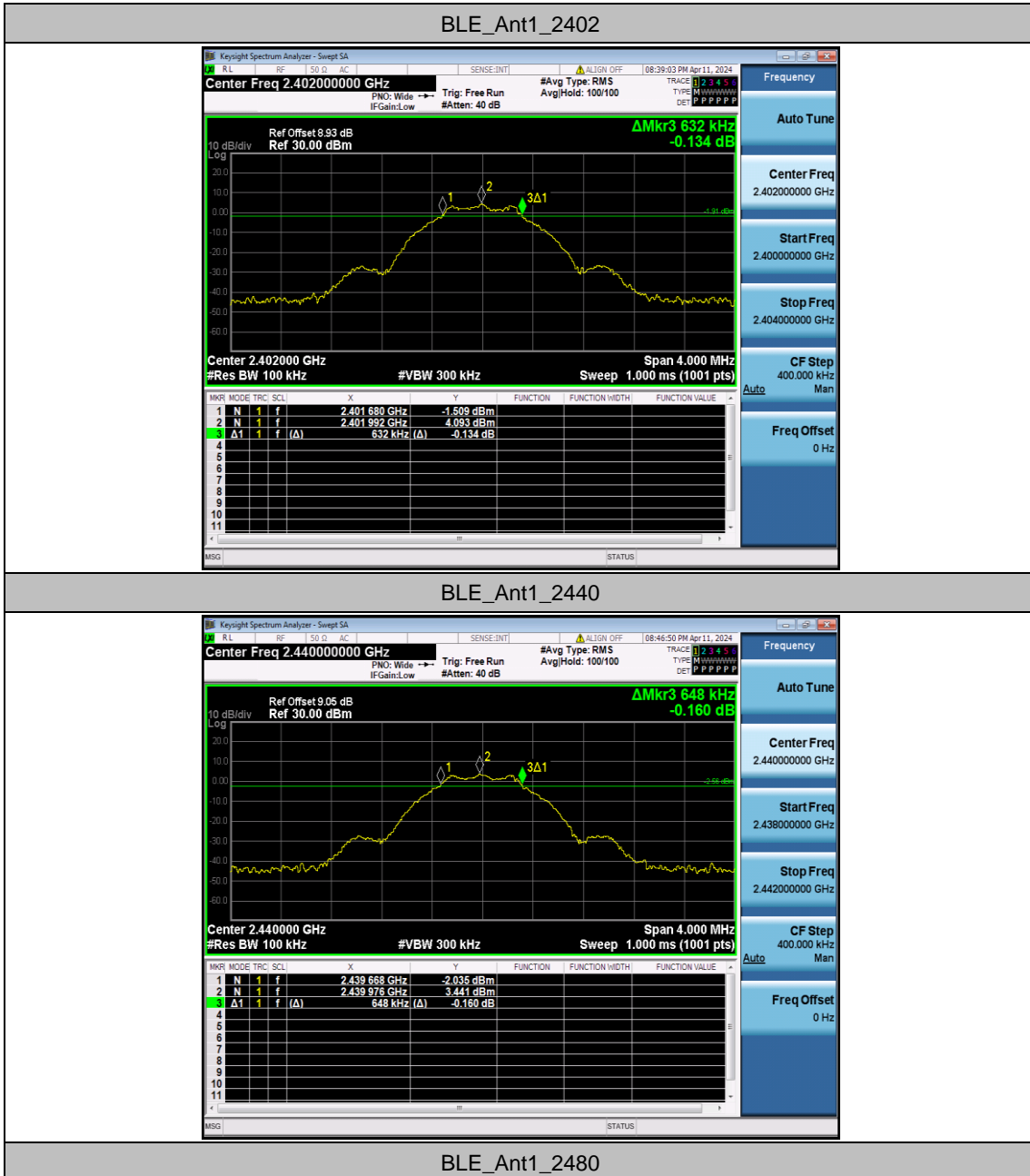
Case No. : <u>GTS20240320024-1-11</u>
Ambient Condition: <u>22 °C, 57 %RH</u>
According Standard: <u>■Part15C</u>
Test Date: <u>2024.4.9</u> Test Engineer: <u>Evan ouyang</u>

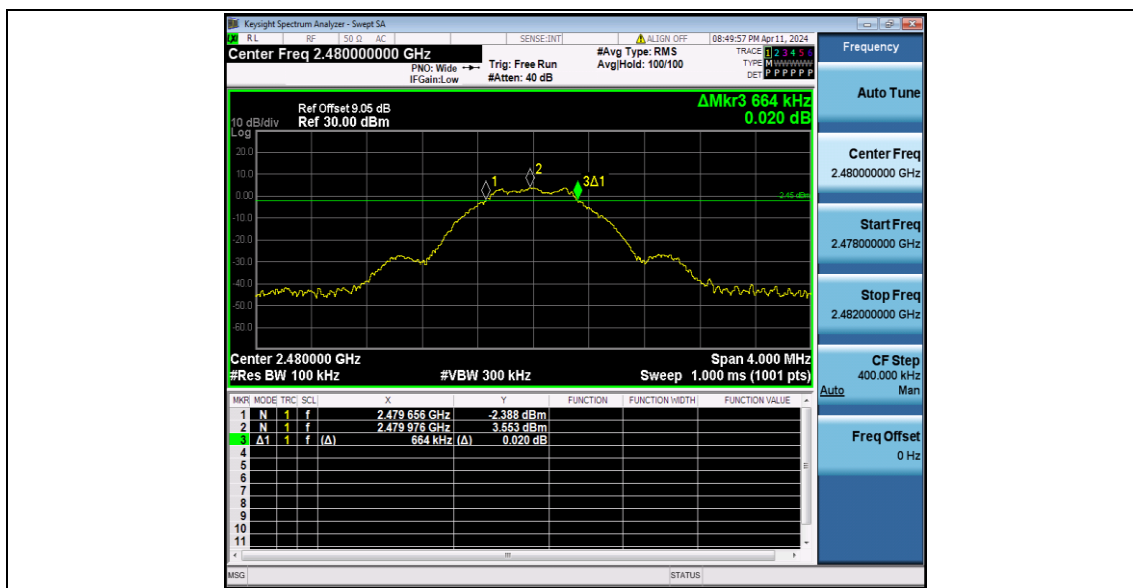
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.632	2401.680	2402.312	0.5	PASS
		2440	0.648	2439.668	2440.316	0.5	PASS
		2480	0.664	2479.656	2480.320	0.5	PASS

Test Graphs



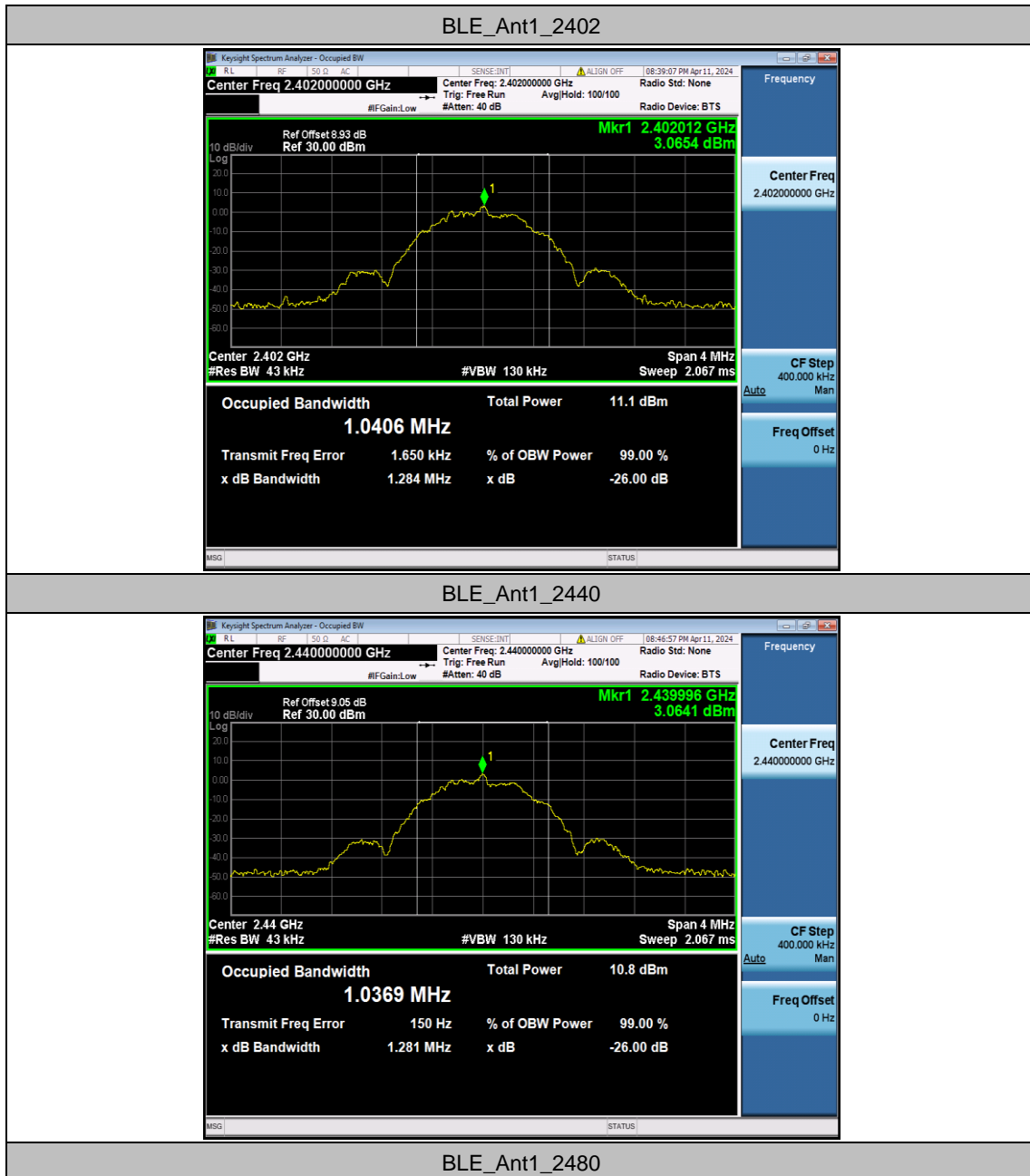


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0406	2401.4814	2402.5220	---	---
		2440	1.0369	2439.4817	2440.5186	---	---
		2480	1.0334	2479.4843	2480.5177	---	---

Test Graphs





Appendix B.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	4.36	≤30	PASS
		2440	4.07	≤30	PASS
		2480	4.45	≤30	PASS

Appendix B.4: Maximum power spectral density

Test Result

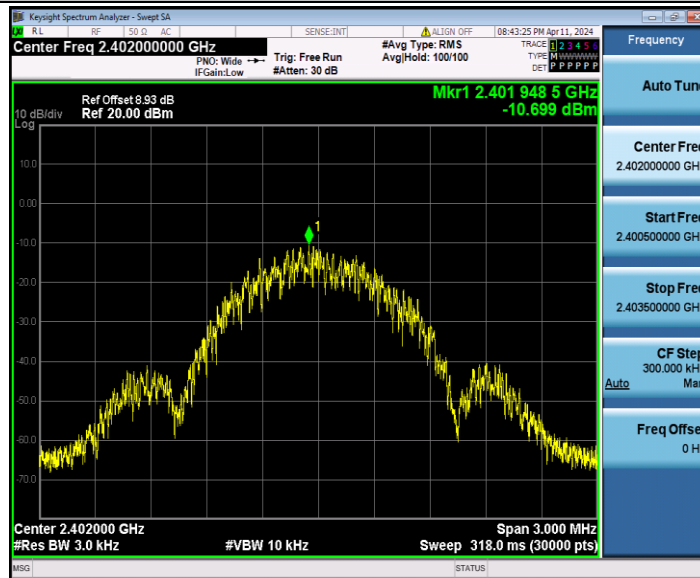
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.70	≤8.00	PASS
		2440	-11.06	≤8.00	PASS
		2480	-10.67	≤8.00	PASS

Note:

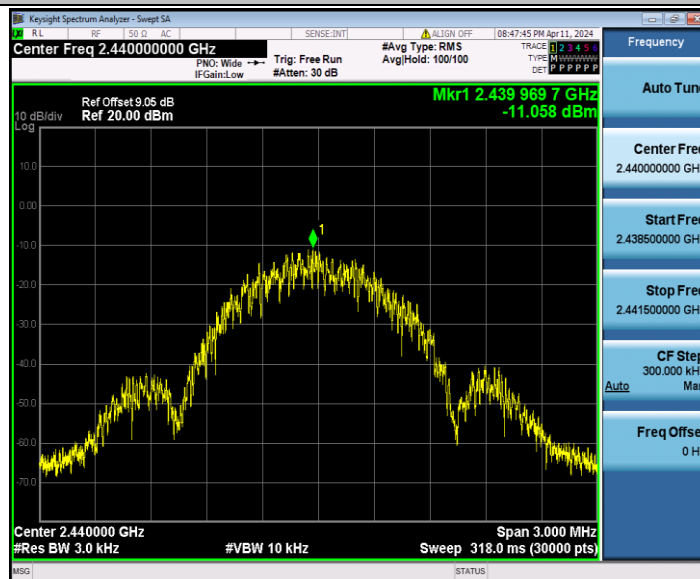
1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

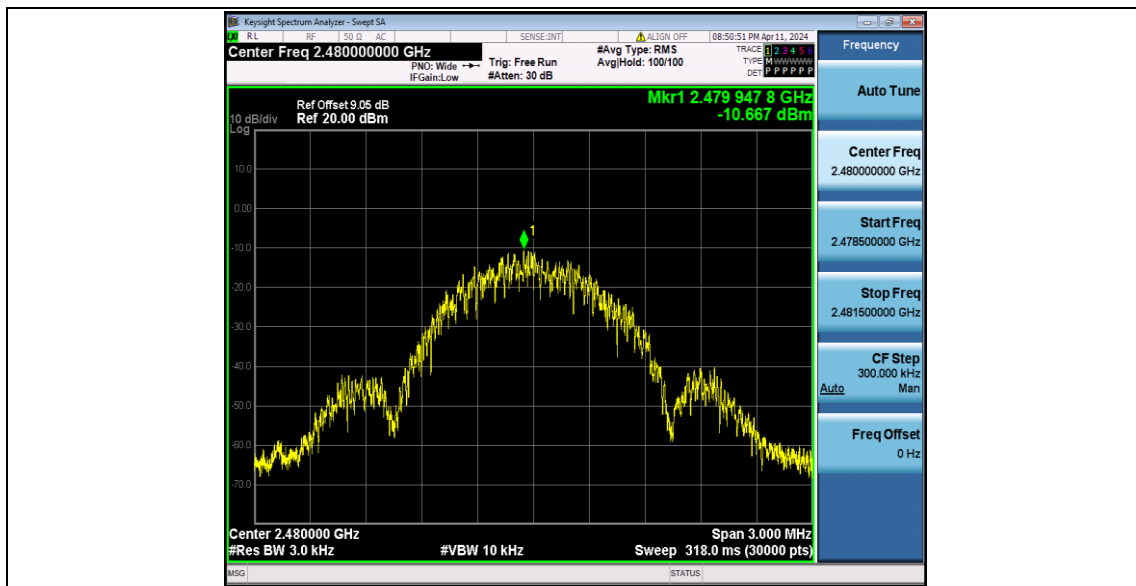
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

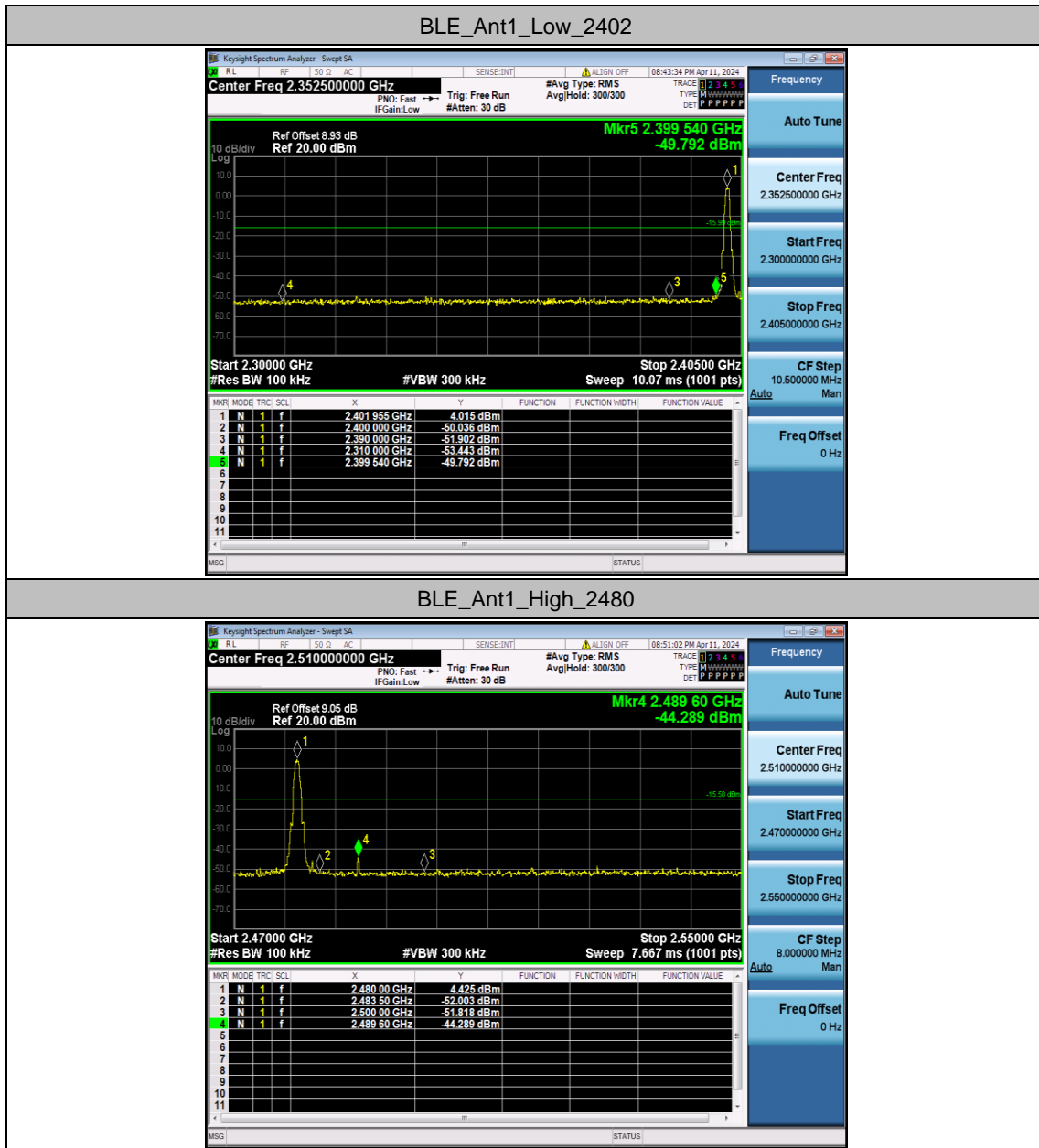


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	4.02	-49.79	≤-15.99	PASS
		High	2480	4.43	-44.29	≤-15.58	PASS

Test Graphs

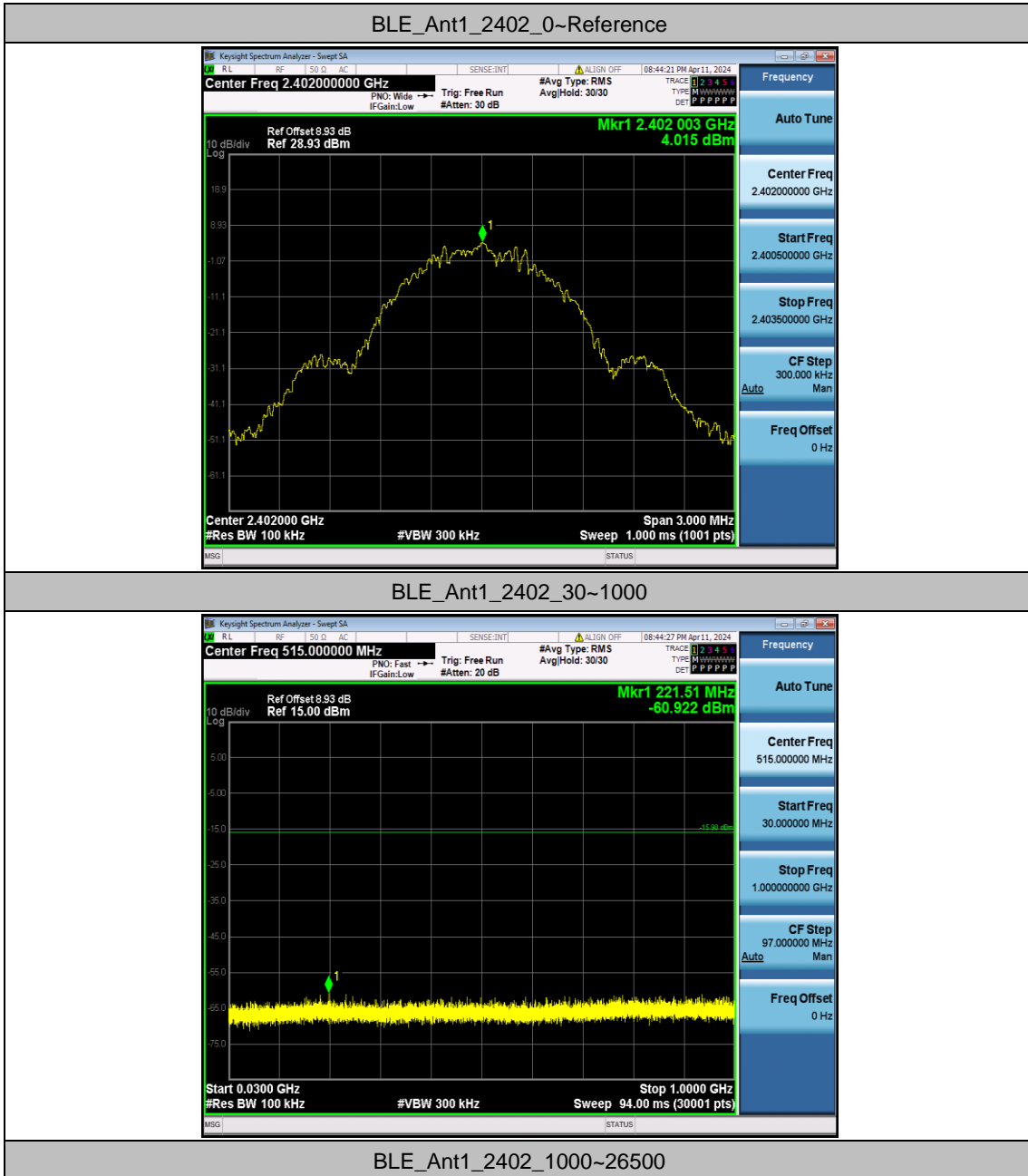


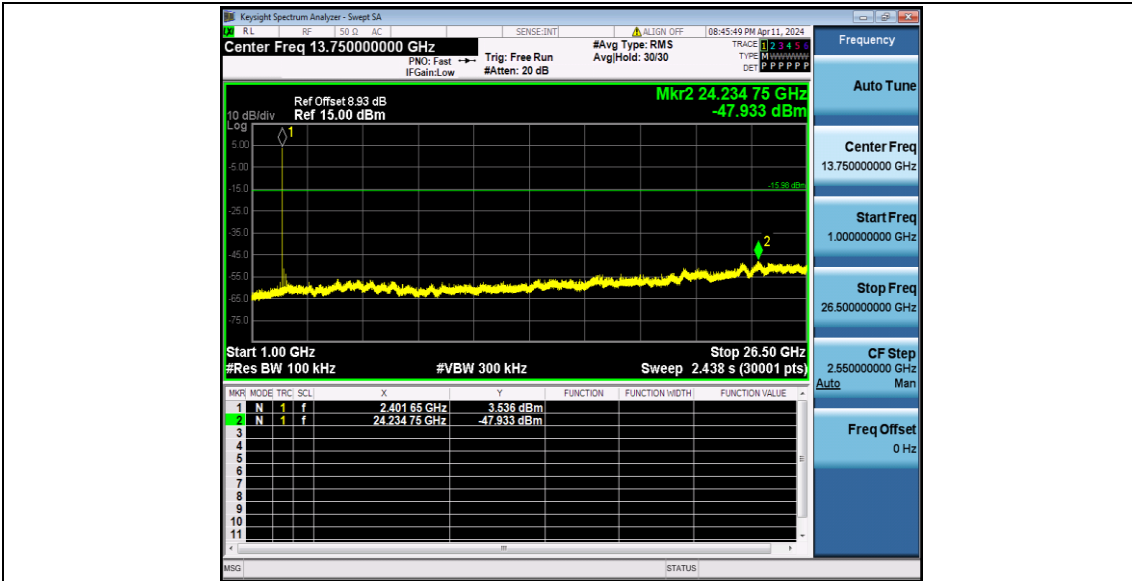
Appendix B.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	4.02	4.02	---	PASS
			30~1000	4.02	-60.92	≤ -15.98	PASS
			1000~26500	4.02	-47.93	≤ -15.98	PASS
		2440	Reference	3.78	3.78	---	PASS
			30~1000	3.78	-61.17	≤ -16.22	PASS
			1000~26500	3.78	-45.96	≤ -16.22	PASS
		2480	Reference	4.25	4.25	---	PASS
			30~1000	4.25	-60.6	≤ -15.75	PASS
			1000~26500	4.25	-47.47	≤ -15.75	PASS

Test Graphs

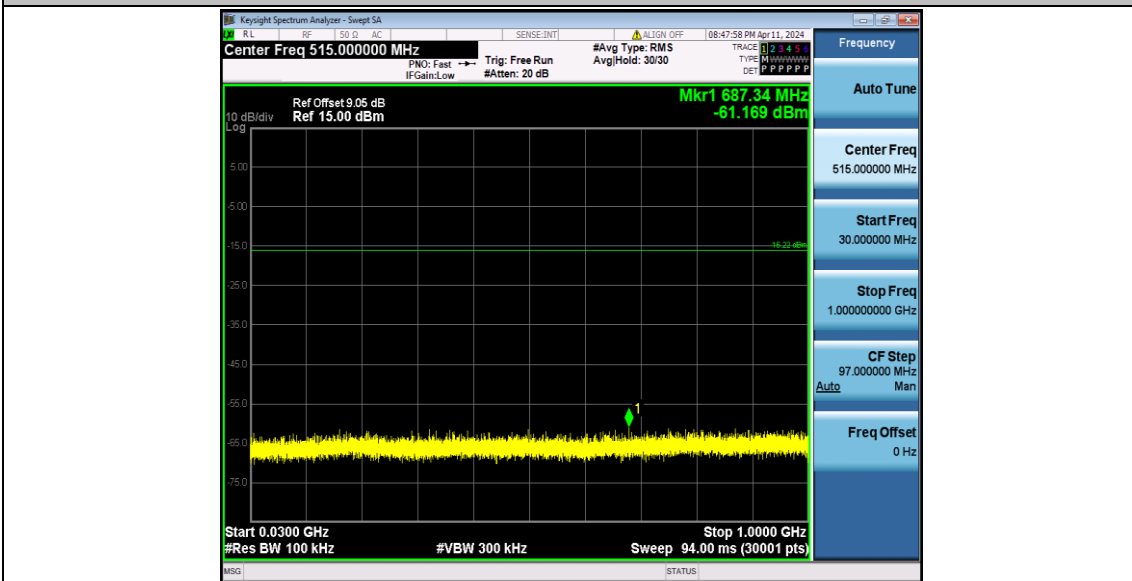




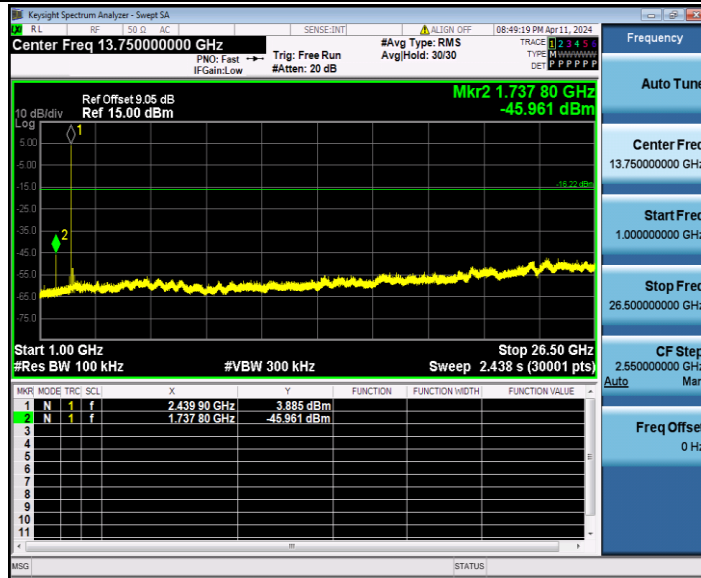
BLE_Ant1_2440_0-Reference



BLE_Ant1_2440_30-1000



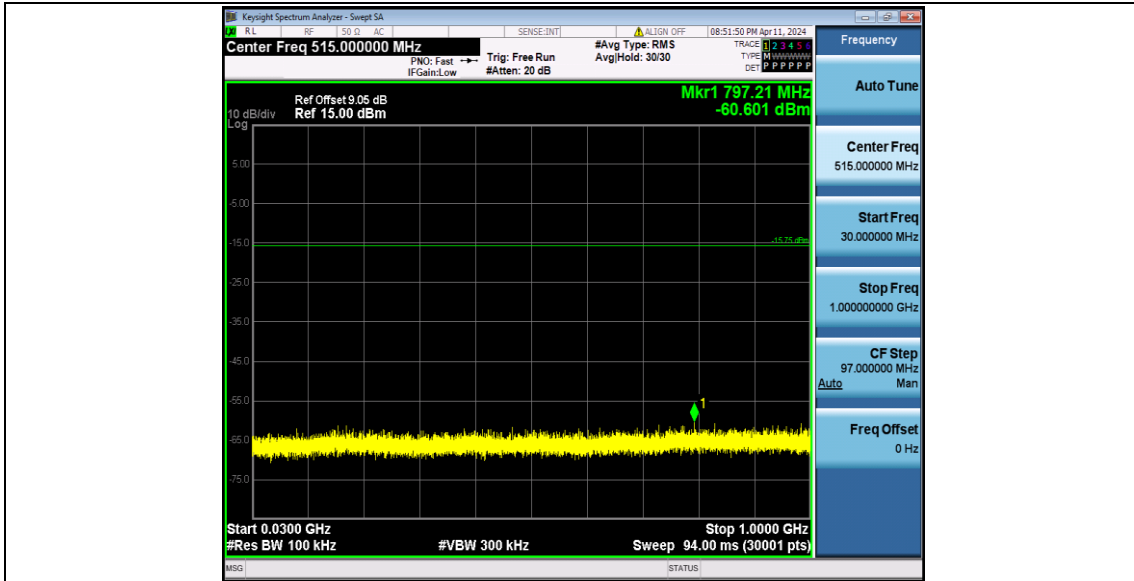
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

