

Case No. : <u>GTS20241014025-3-02</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2024.11.15</u>	Test Engineer: <u>Evan ouyang</u>

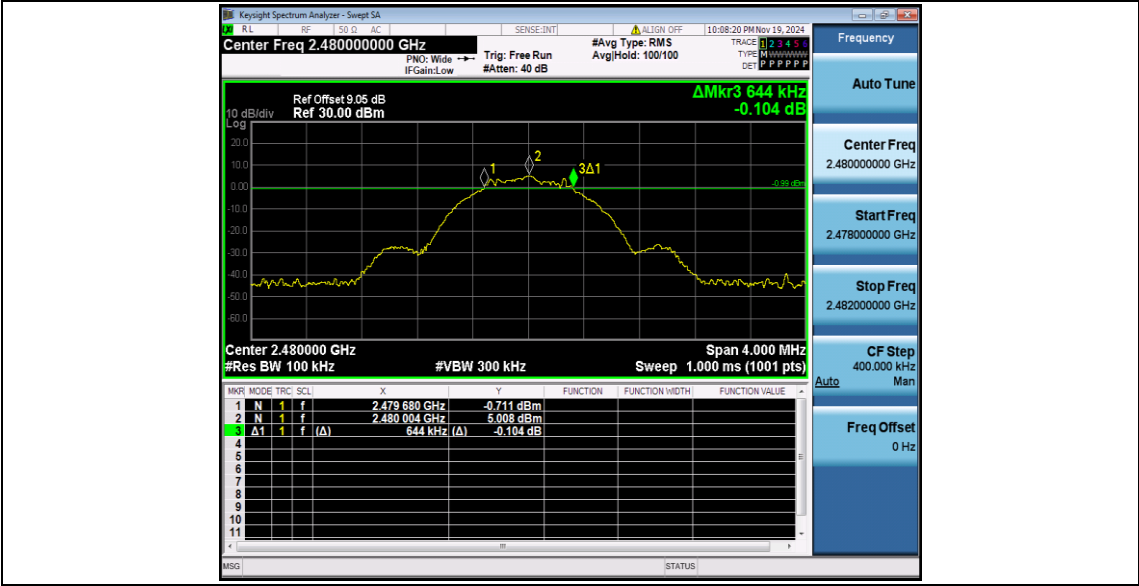
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.656	2401.668	2402.324	0.5	PASS
		2440	0.692	2439.652	2440.344	0.5	PASS
		2480	0.644	2479.680	2480.324	0.5	PASS

Test Graphs



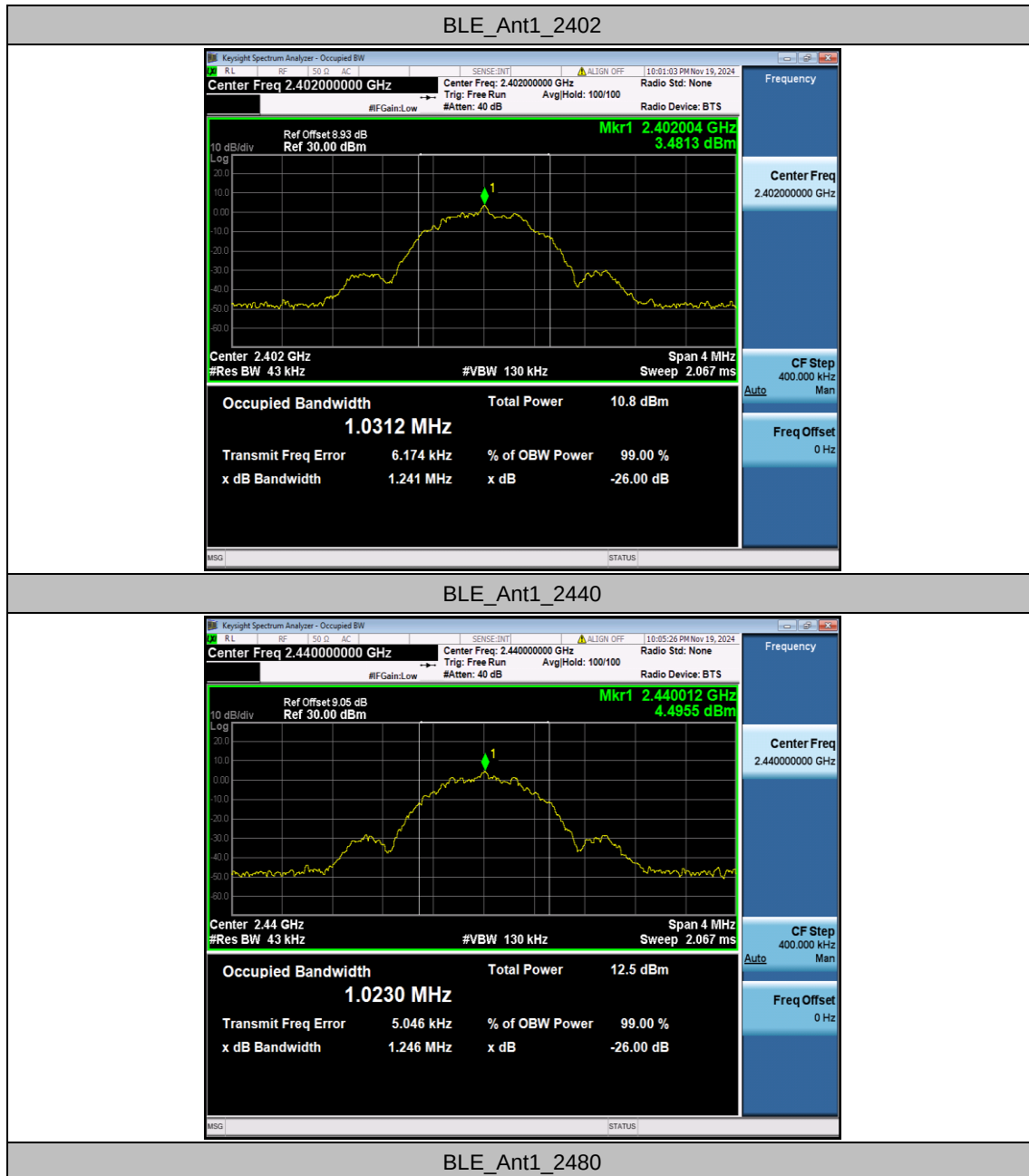


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0312	2401.4906	2402.5218	---	---
		2440	1.0230	2439.4936	2440.5166	---	---
		2480	1.0322	2479.4911	2480.5233	---	---

Test Graphs



Appendix B.3: Maximum conducted output power

Test Result Peak

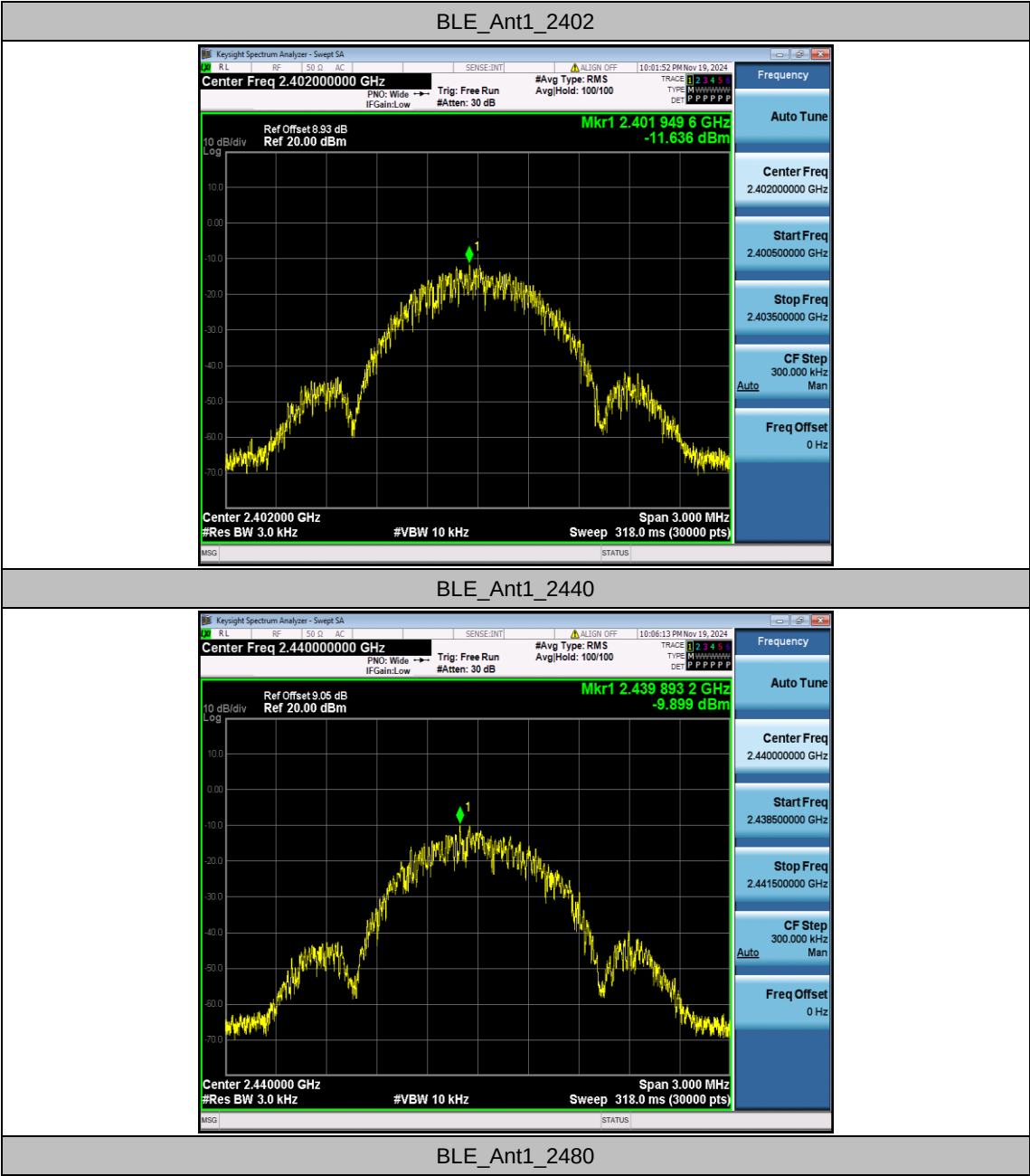
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	4.19	≤30	PASS
		2440	5.38	≤30	PASS
		2480	5.27	≤30	PASS

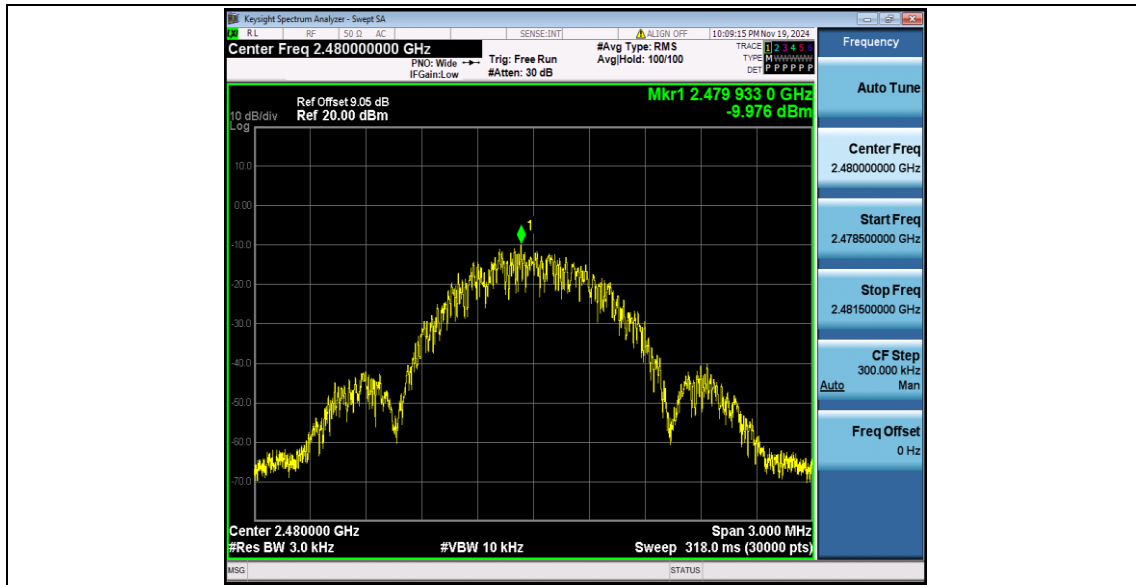
Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-11.64	≤8.00	PASS
		2440	-9.90	≤8.00	PASS
		2480	-9.98	≤8.00	PASS

Test Graphs



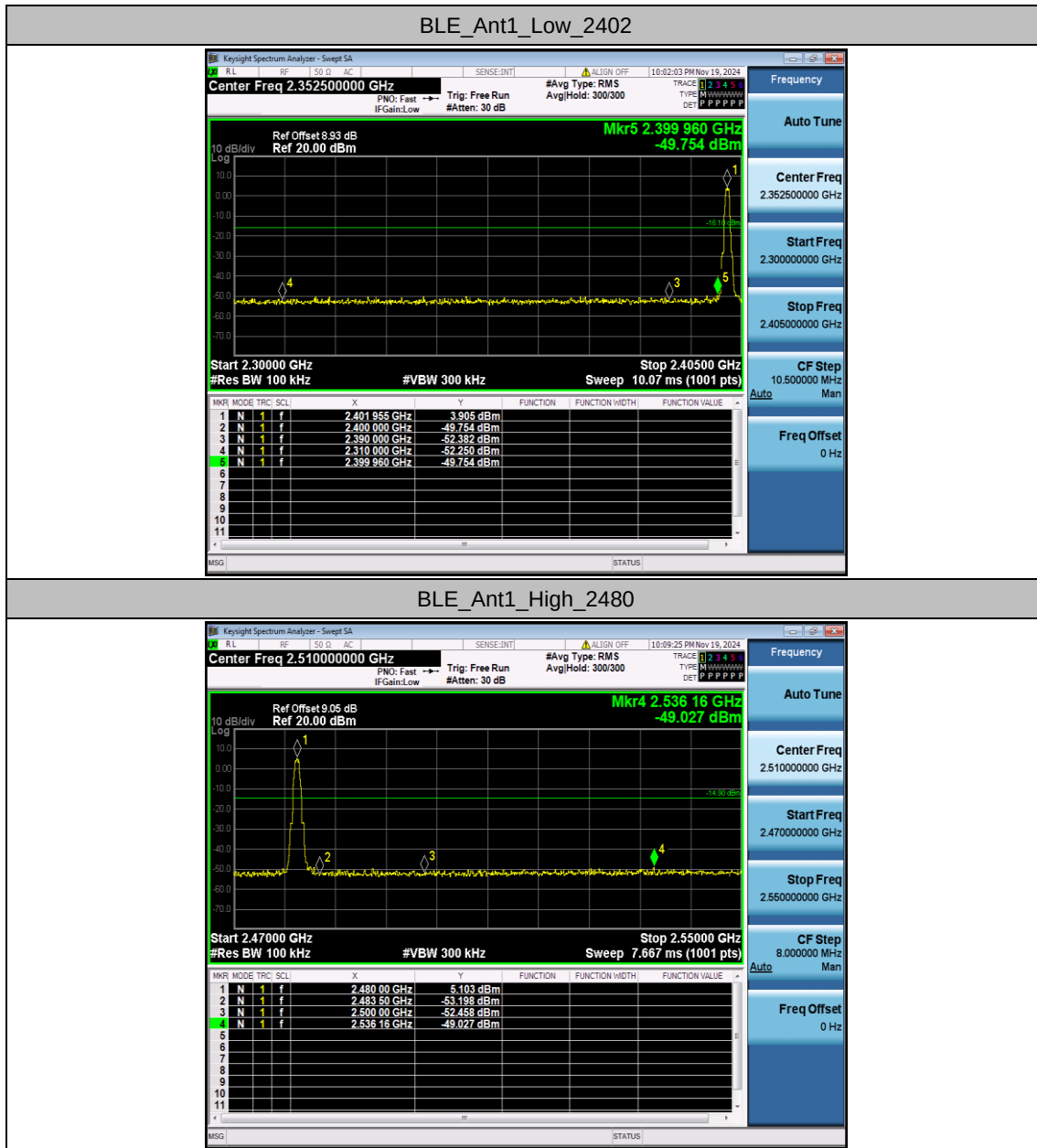


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	3.91	-49.75	≤-16.1	PASS
		High	2480	5.10	-49.03	≤-14.9	PASS

Test Graphs

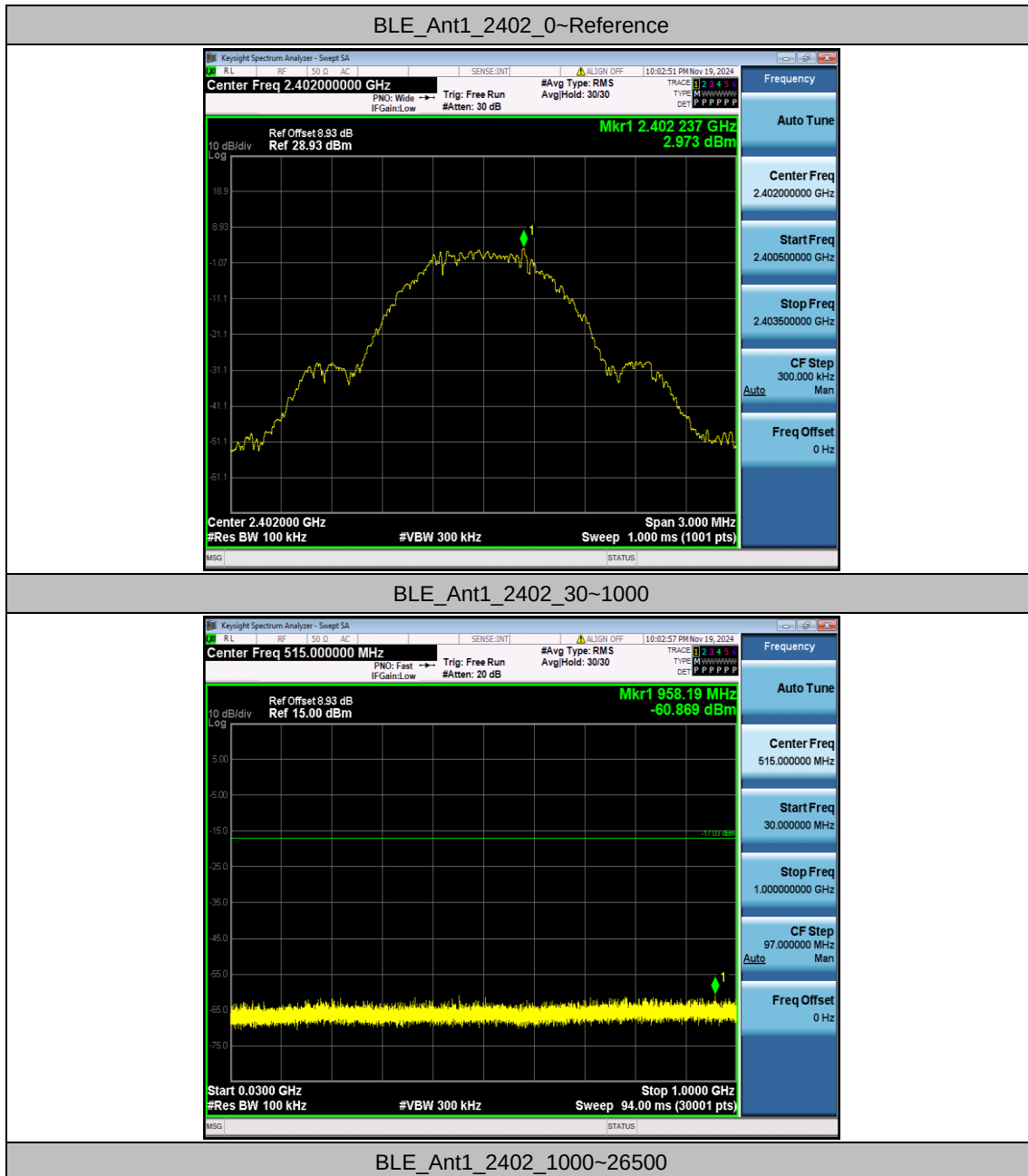


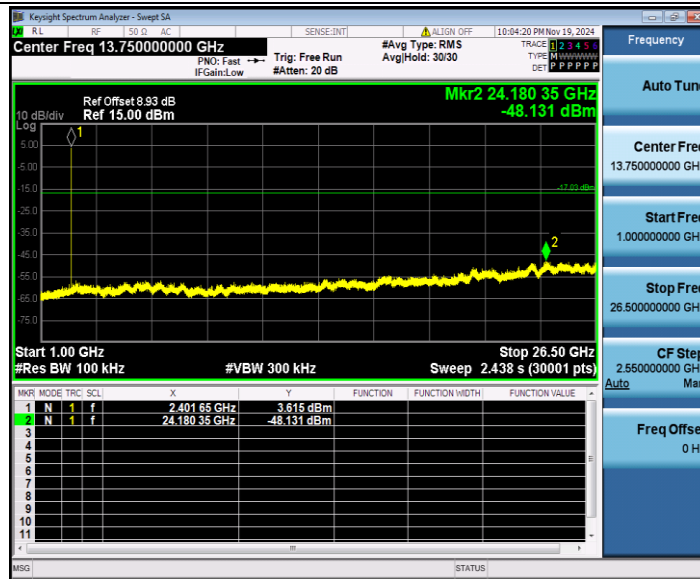
Appendix B.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	2.97	2.97	---	PASS
			30~1000	2.97	-60.87	≤ -17.03	PASS
			1000~26500	2.97	-48.13	≤ -17.03	PASS
		2440	Reference	4.19	4.19	---	PASS
			30~1000	4.19	-60.62	≤ -15.81	PASS
			1000~26500	4.19	-47.88	≤ -15.81	PASS
		2480	Reference	4.68	4.68	---	PASS
			30~1000	4.68	-60.15	≤ -15.32	PASS
			1000~26500	4.68	-46.82	≤ -15.32	PASS

Test Graphs

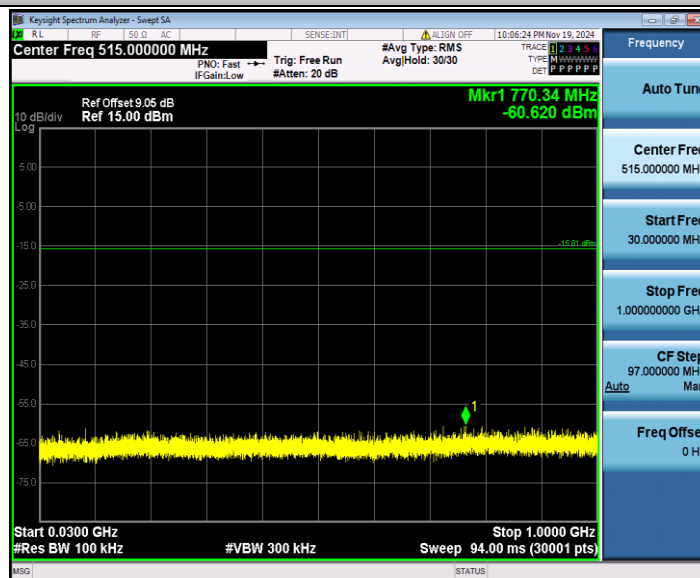




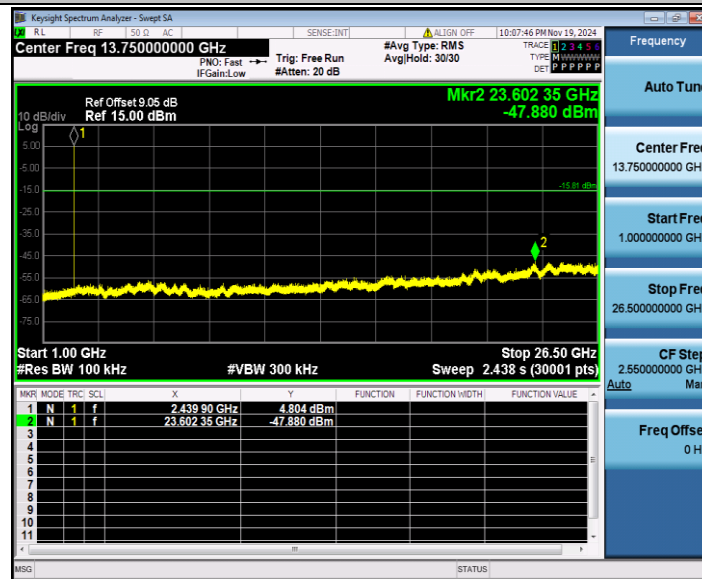
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000

