

Case No. : <u>GTS20250106018-3-02</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.1.21</u>	Test Engineer: <u>Evan ouyang</u>

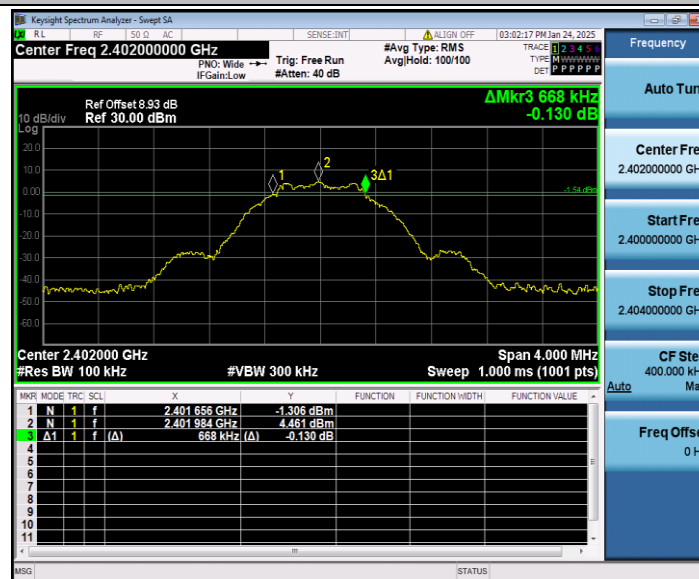
Appendix B.1: DTS Bandwidth

Test Result

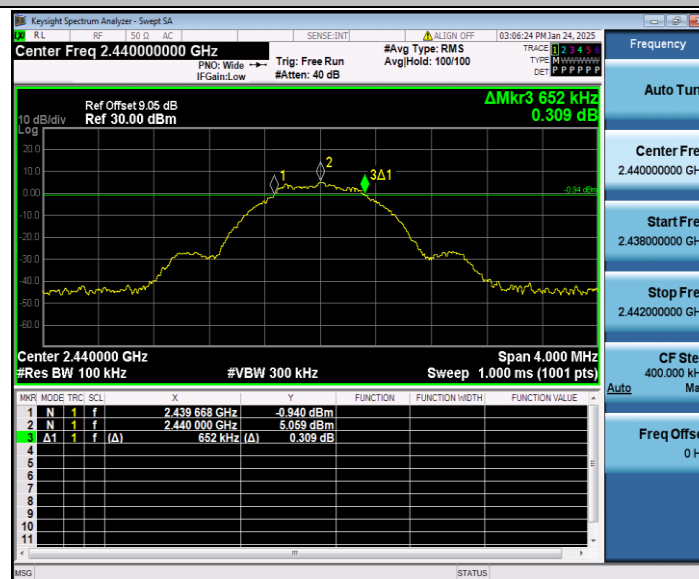
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant2	2402	0.668	2401.656	2402.324	0.5	PASS
		2440	0.652	2439.668	2440.320	0.5	PASS
		2480	0.660	2479.660	2480.320	0.5	PASS

Test Graphs

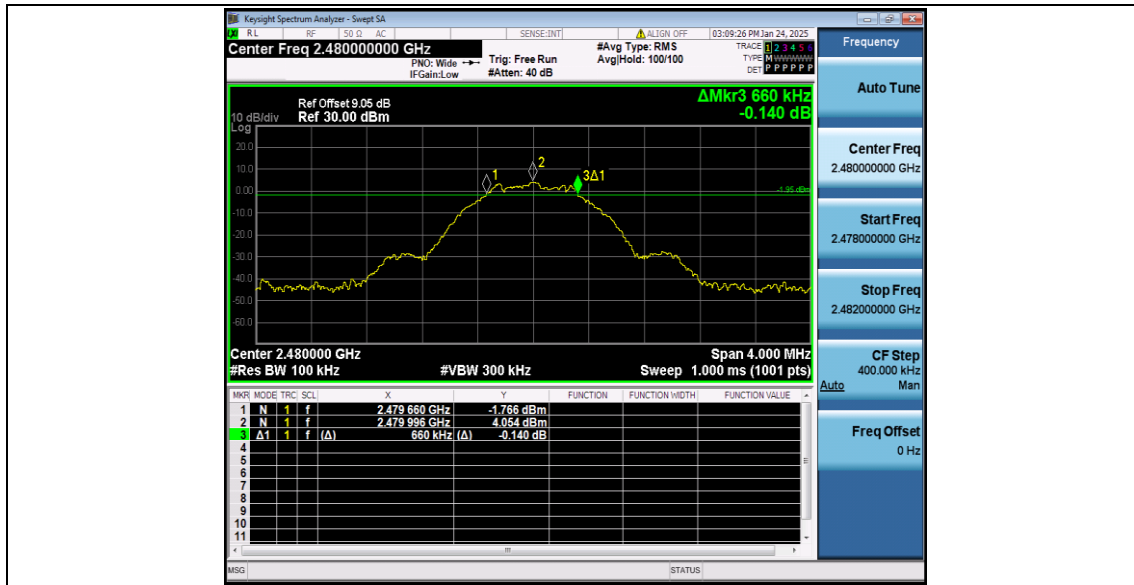
BLE_Ant2_2402



BLE_Ant2_2440



BLE_Ant2_2480

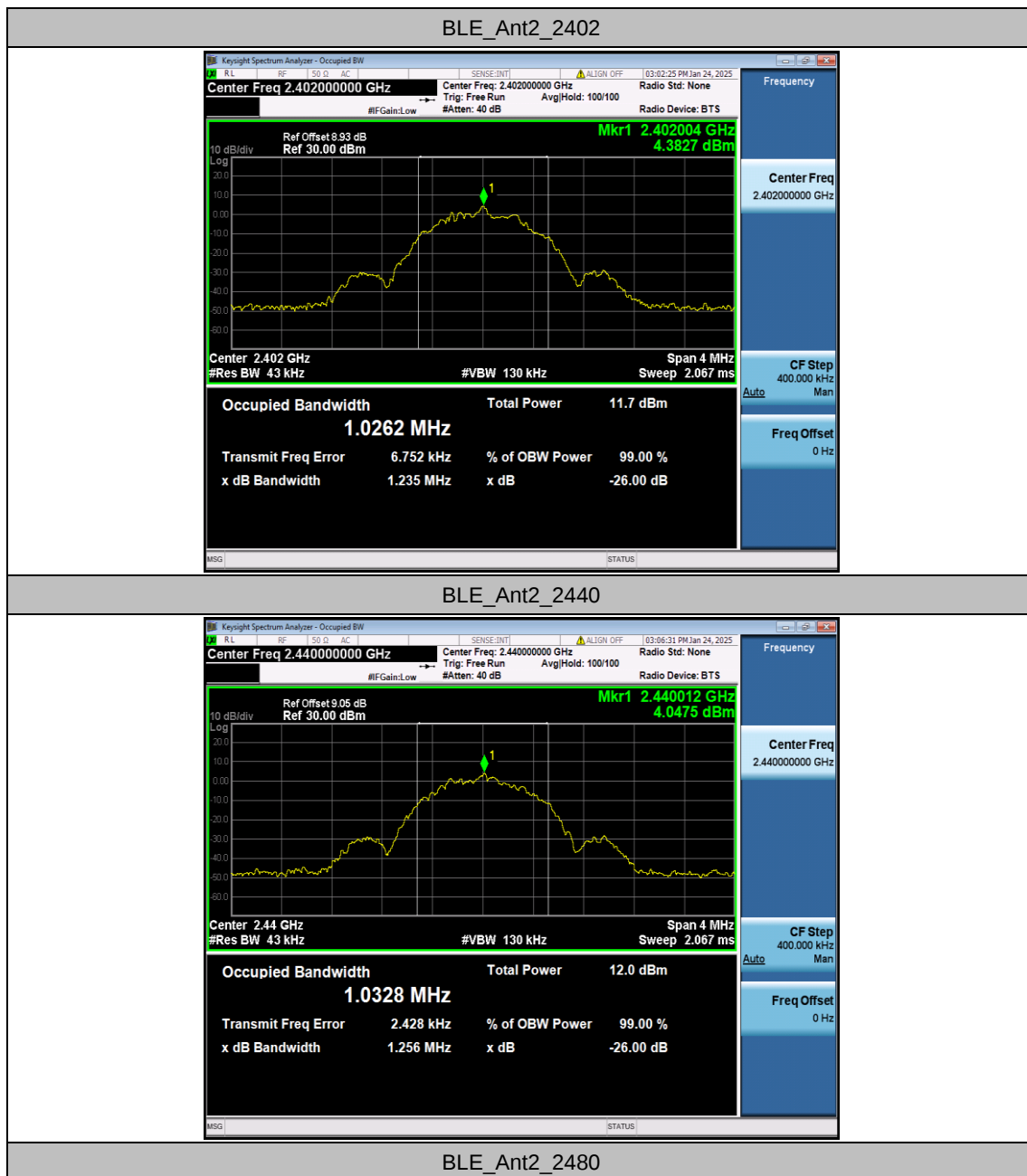


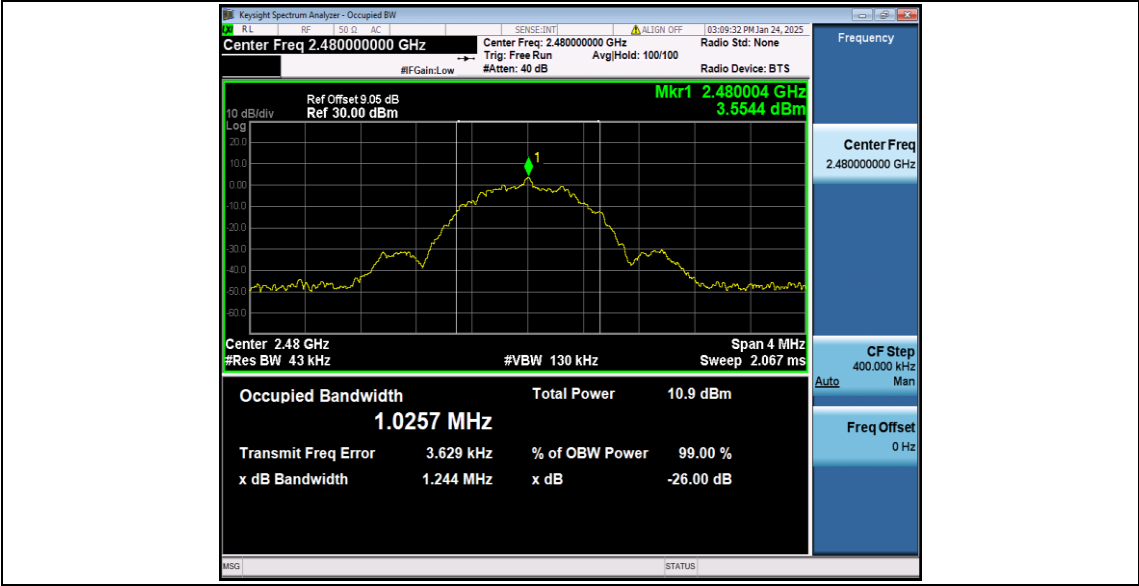
Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant2	2402	1.0262	2401.4937	2402.5199	---	---
		2440	1.0328	2439.4860	2440.5188	---	---
		2480	1.0257	2479.4908	2480.5165	---	---

Test Graphs





Appendix B.3: Maximum conducted output power

Test Result Peak

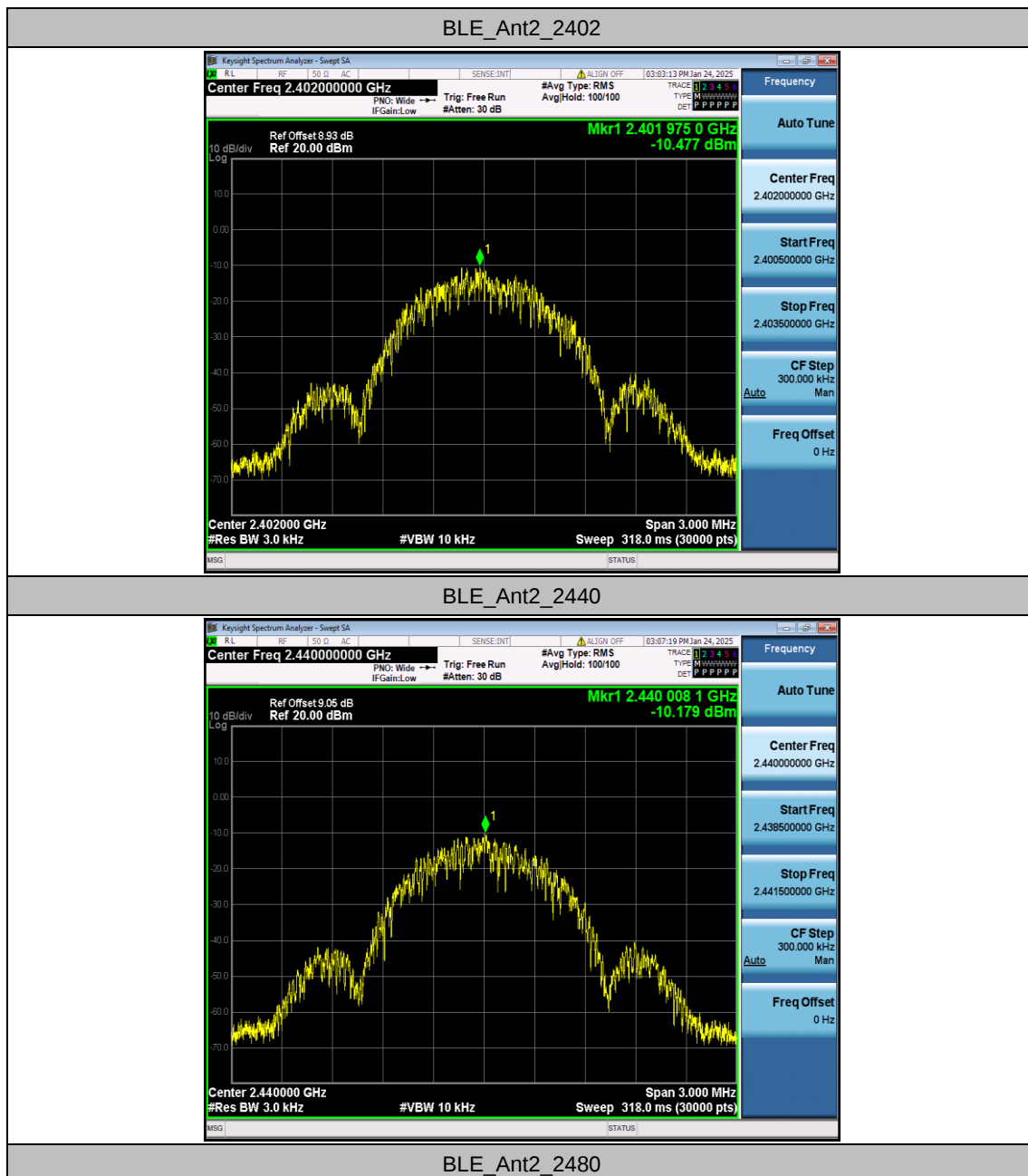
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant2	2402	5.07	≤30	PASS
		2440	5.25	≤30	PASS
		2480	4.25	≤30	PASS

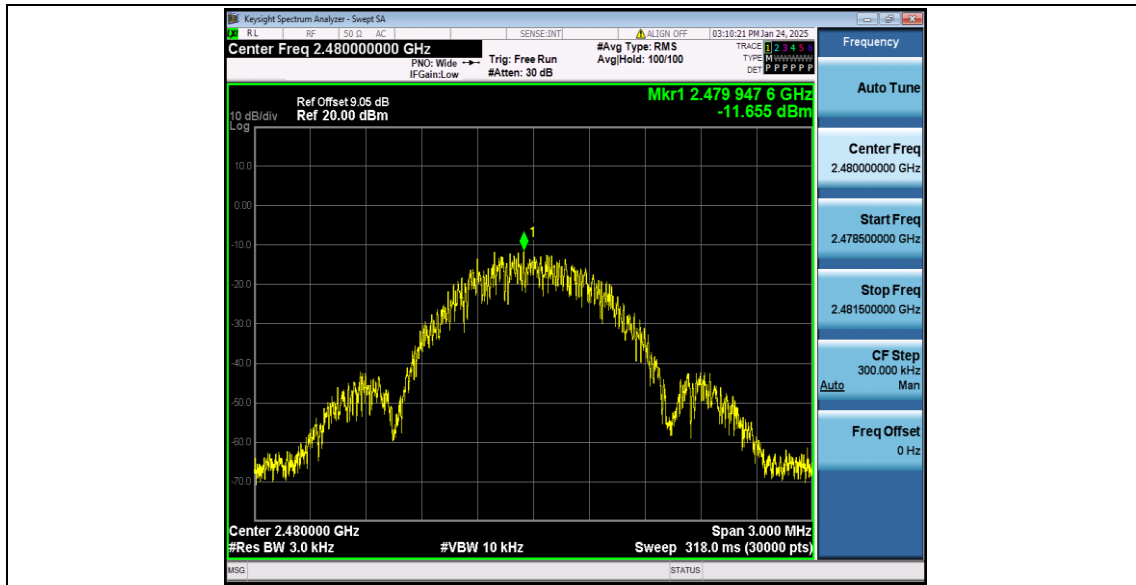
Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant2	2402	-10.48	≤8.00	PASS
		2440	-10.18	≤8.00	PASS
		2480	-11.66	≤8.00	PASS

Test Graphs



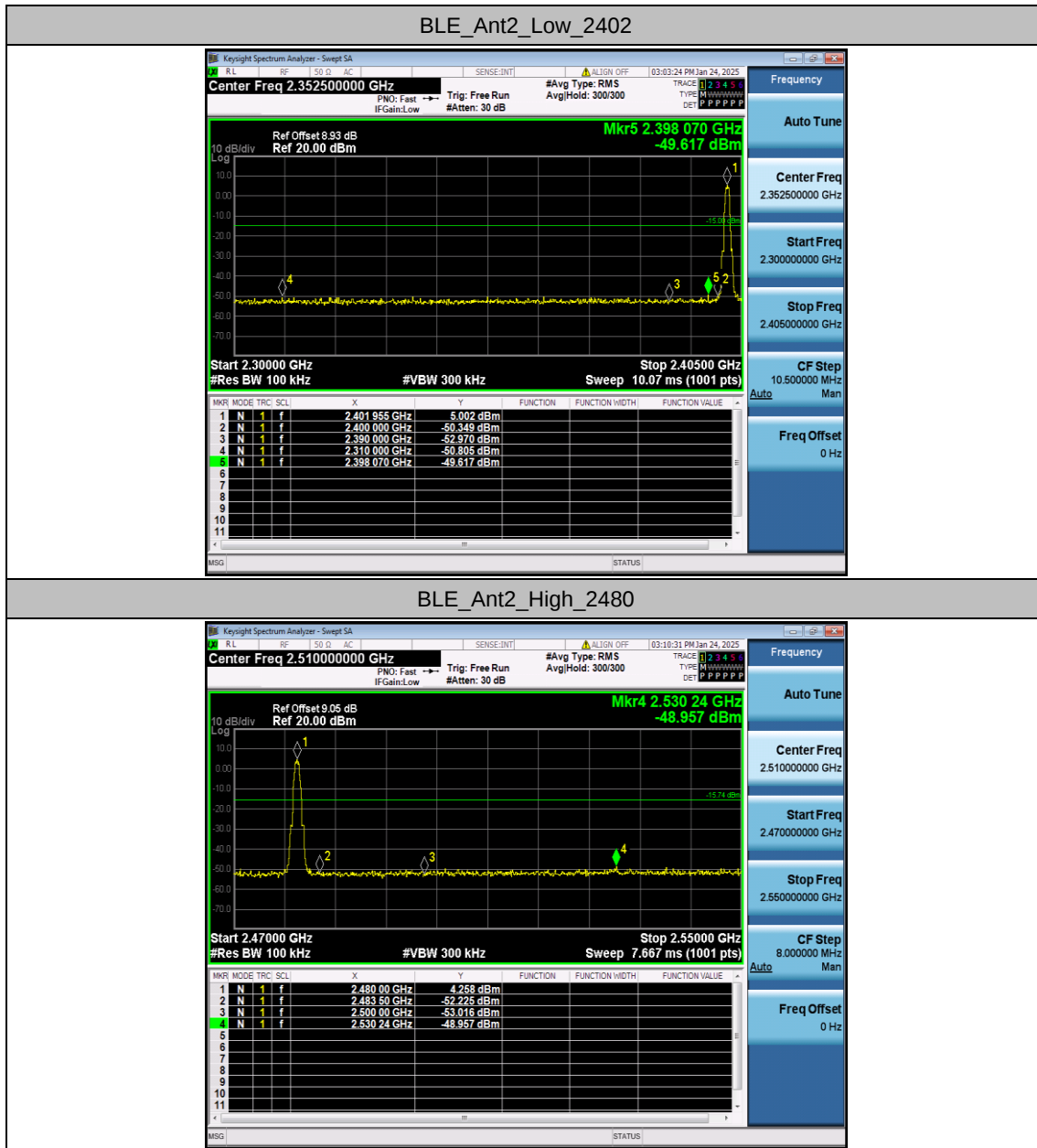


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant2	Low	2402	5.00	-49.62	≤-15	PASS
		High	2480	4.26	-48.96	≤-15.74	PASS

Test Graphs

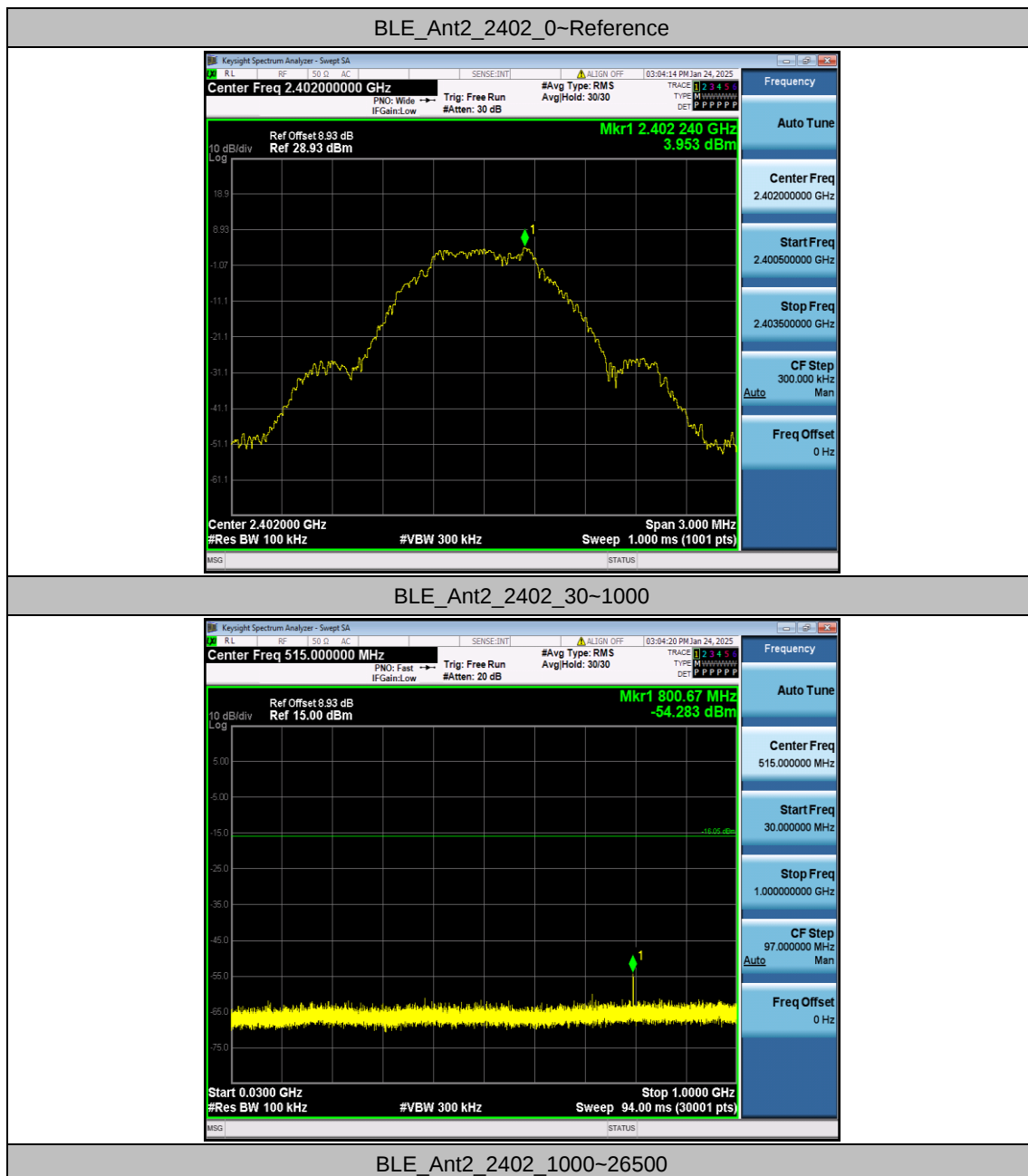


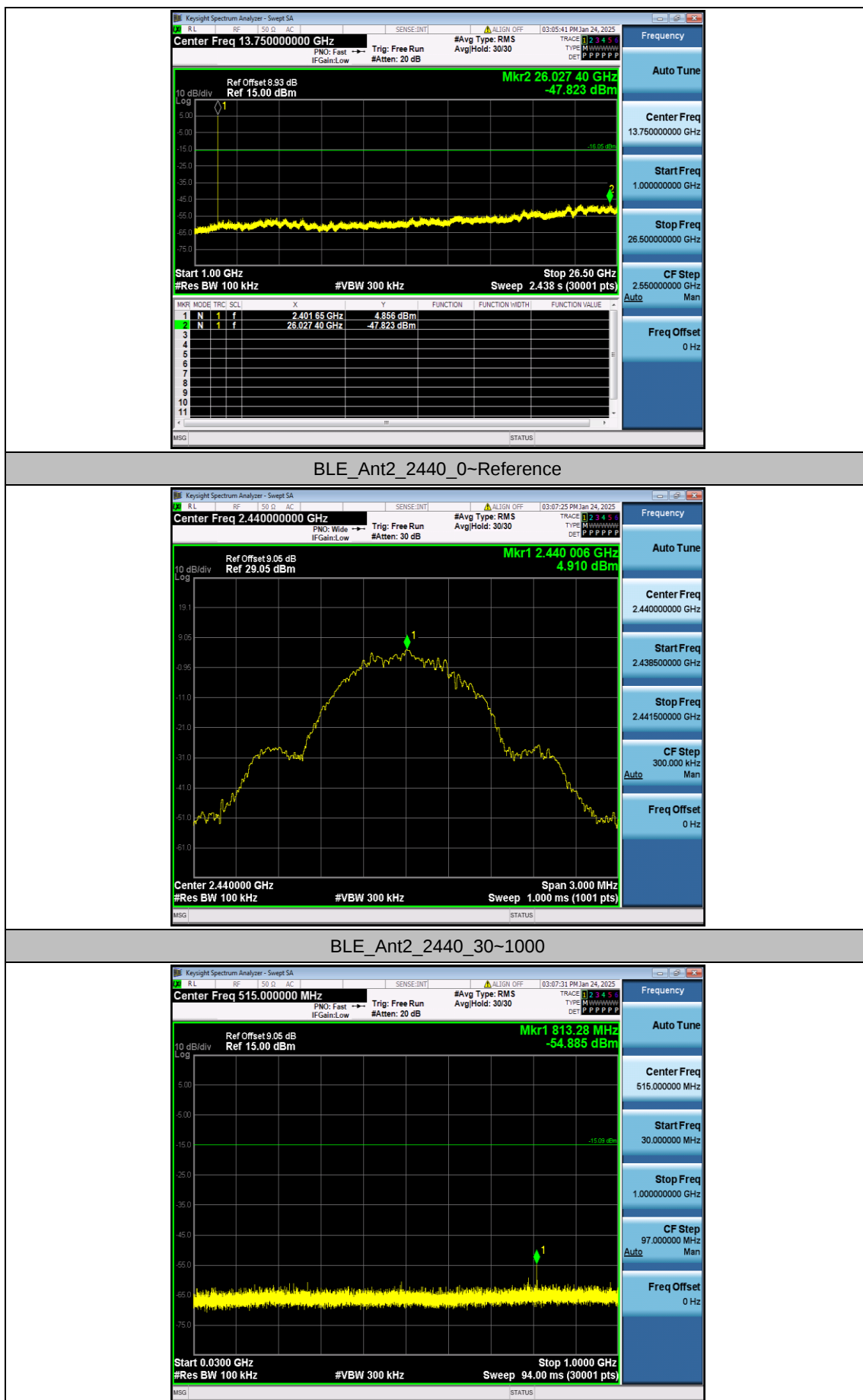
Appendix B.6: Conducted Spurious Emission

Test Result

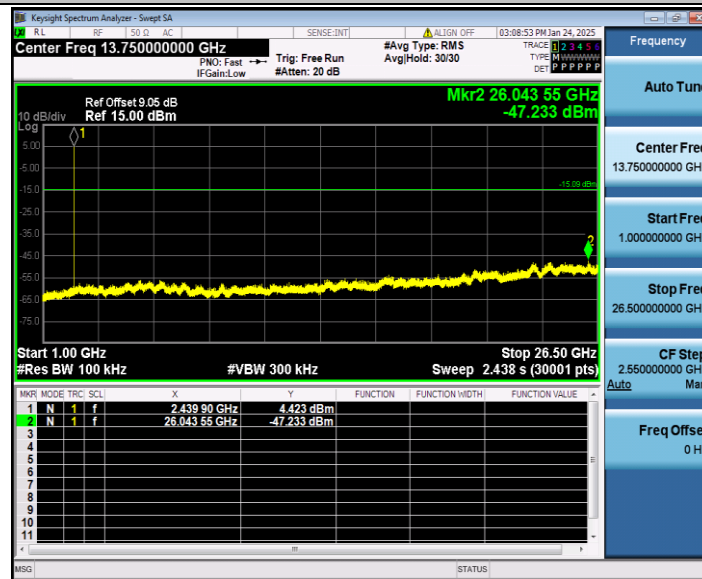
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant2	2402	Reference	3.95	3.95	---	PASS
			30~1000	3.95	-54.28	≤ -16.05	PASS
			1000~26500	3.95	-47.82	≤ -16.05	PASS
		2440	Reference	4.91	4.91	---	PASS
			30~1000	4.91	-54.89	≤ -15.09	PASS
			1000~26500	4.91	-47.23	≤ -15.09	PASS
		2480	Reference	3.37	3.37	---	PASS
			30~1000	3.37	-55.62	≤ -16.63	PASS
			1000~26500	3.37	-47.99	≤ -16.63	PASS

Test Graphs





BLE_Ant2_2440_1000~26500



BLE_Ant2_2480_0~Reference



BLE_Ant2_2480_30~1000

