

Case No. : <u>GTS20251231004-2-02</u>
Ambient Condition: <u>22</u> °C, <u>49</u> %RH
According Standard: ■Part15C
Test Date: <u>2025.12.18-2026.4.01</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	0.680	2401.664	2402.344	0.5	PASS
		2440	0.724	2439.648	2440.372	0.5	PASS
		2480	0.652	2479.684	2480.336	0.5	PASS

Test Graphs



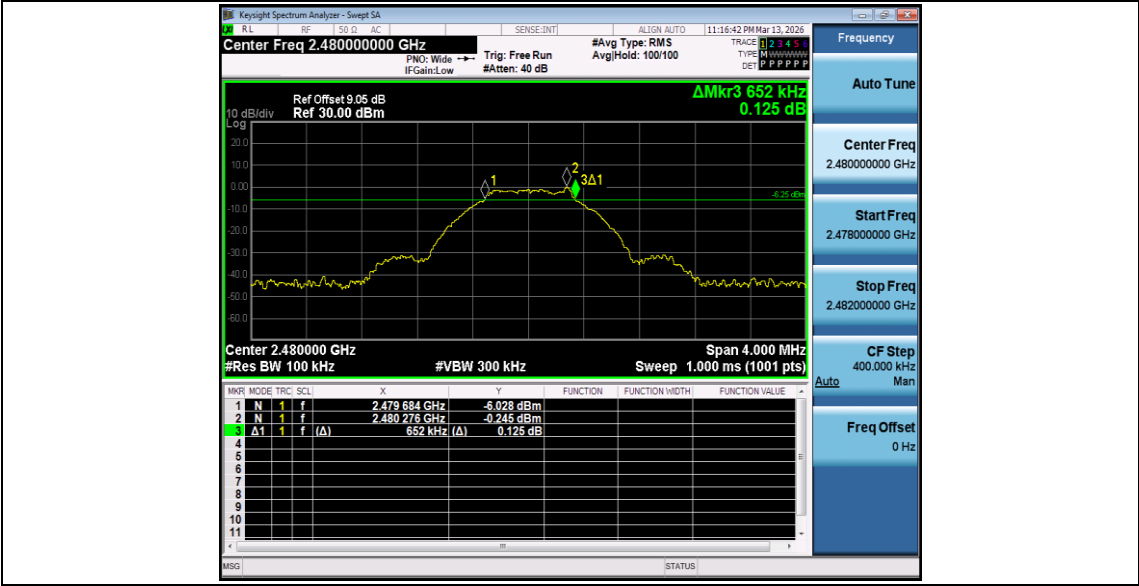
BLE_Ant1_2440

Frequency

Auto Tune

Center Freq
2.440000000 GHzStart Freq
2.438000000 GHzStop Freq
2.442000000 GHzCF Step
400.000 kHz
Auto ManFreq Offset
0 Hz

BLE_Ant1_2480

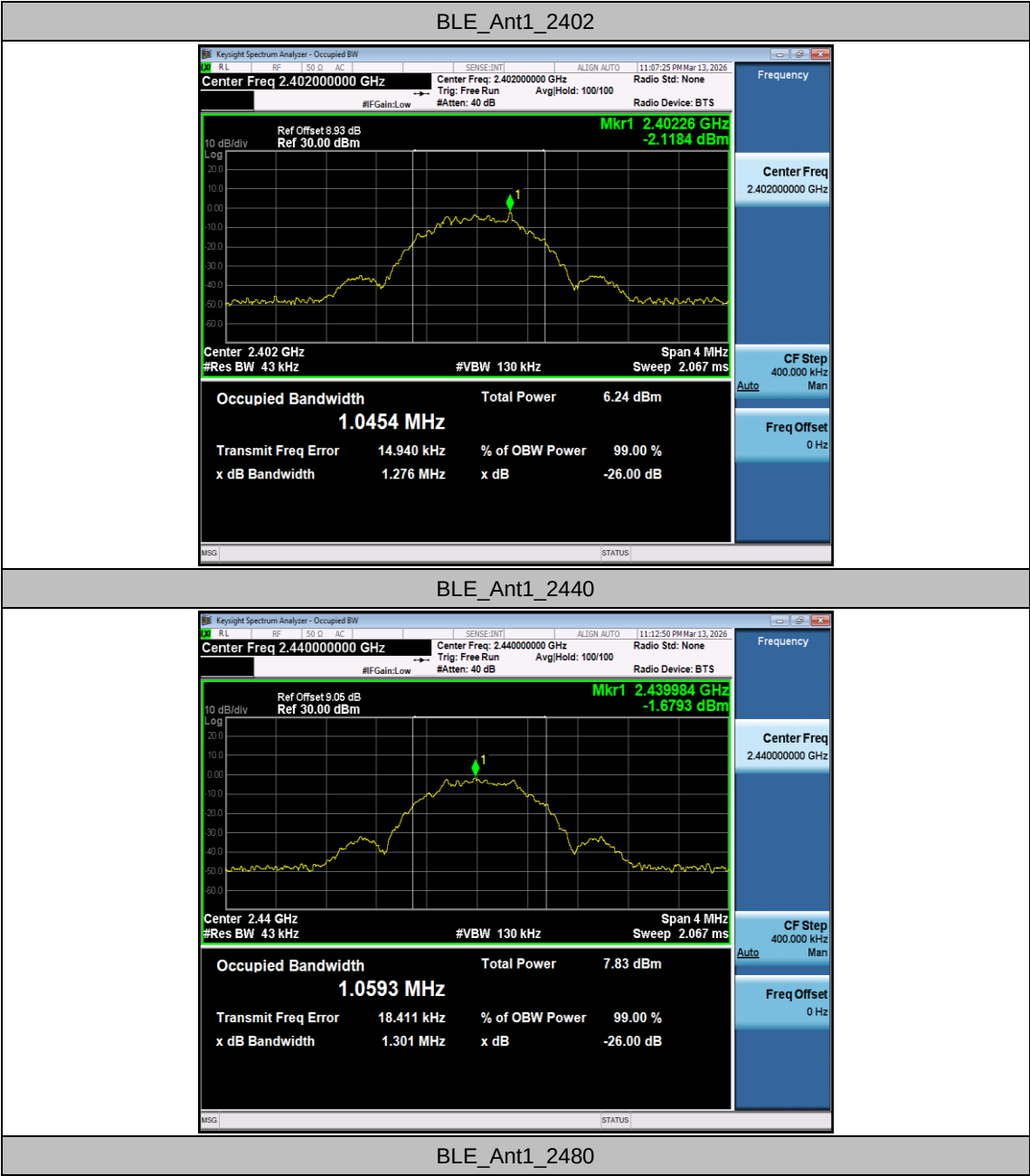


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0454	2401.4922	2402.5376	---	---
		2440	1.0593	2439.4888	2440.5481	---	---
		2480	1.0397	2479.4937	2480.5334	---	---

Test Graphs





Appendix B.3: Maximum conducted output power

Test Result Peak

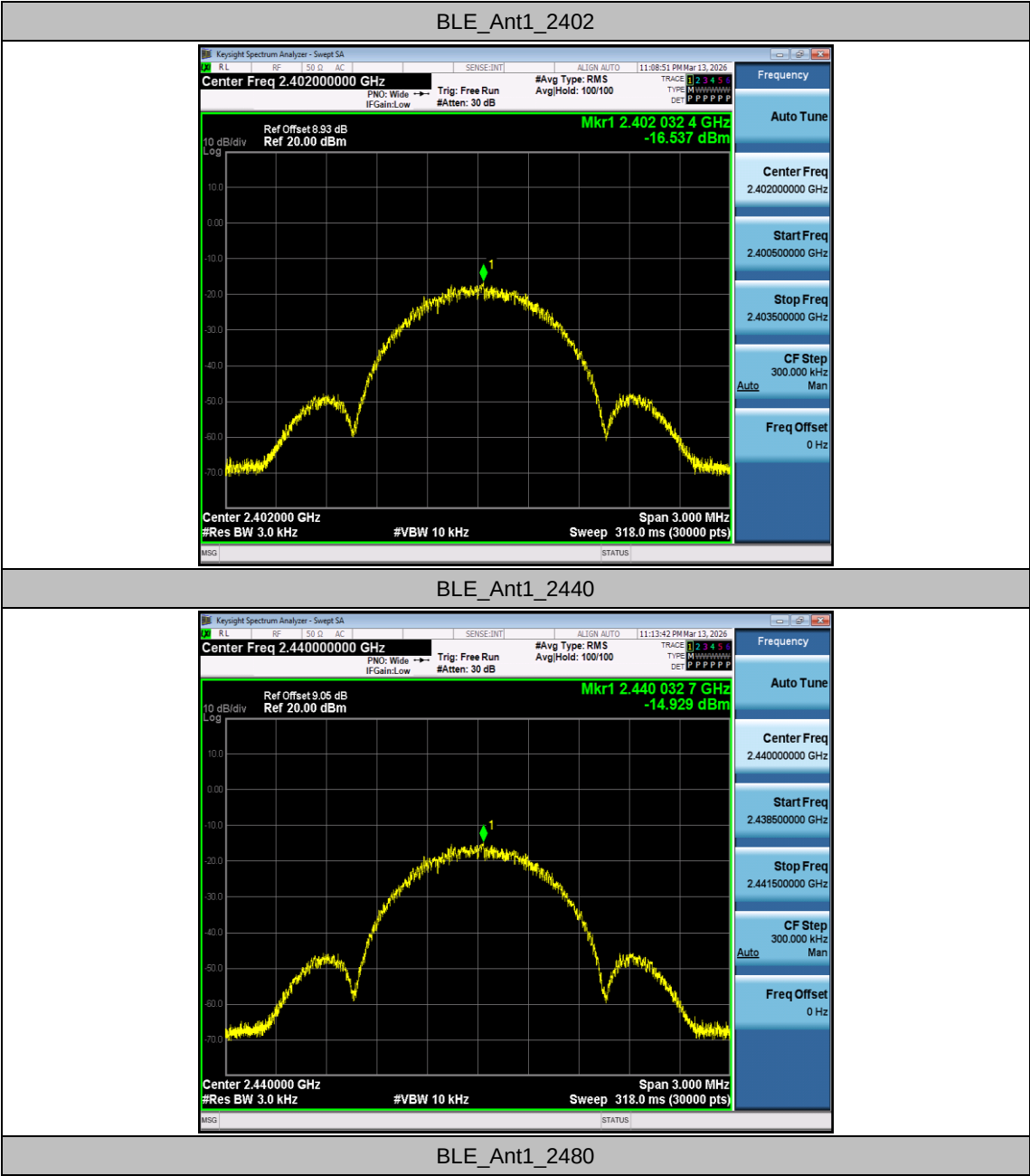
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	0.73	≤30	PASS
		2440	2.48	≤30	PASS
		2480	1.51	≤30	PASS

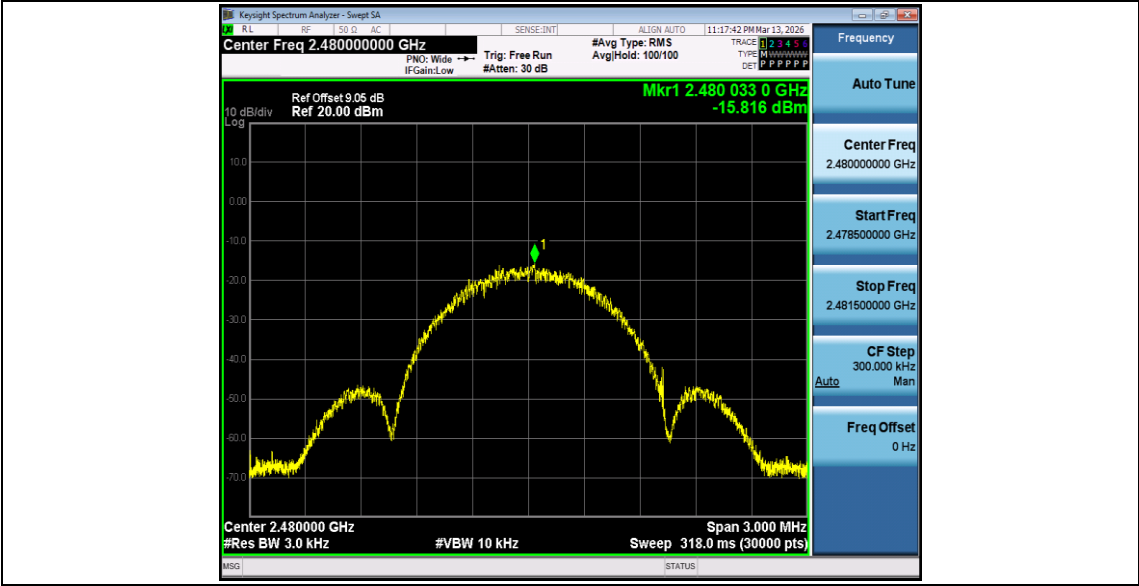
Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-16.54	≤8.00	PASS
		2440	-14.93	≤8.00	PASS
		2480	-15.82	≤8.00	PASS

Test Graphs



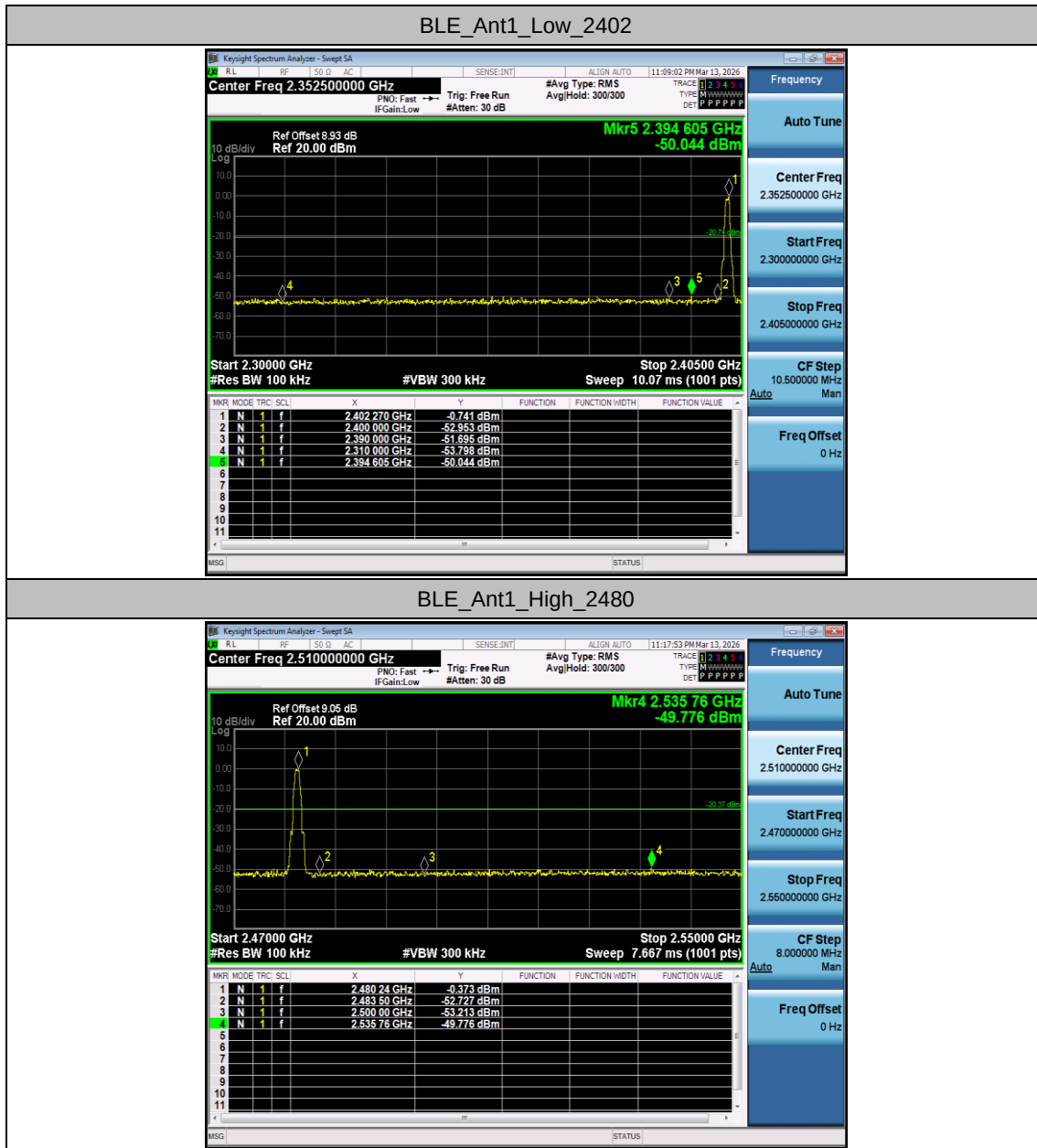


Appendix B.5:Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-0.74	-50.04	≤-20.74	PASS
		High	2480	-0.37	-49.78	≤-20.37	PASS

Test Graphs

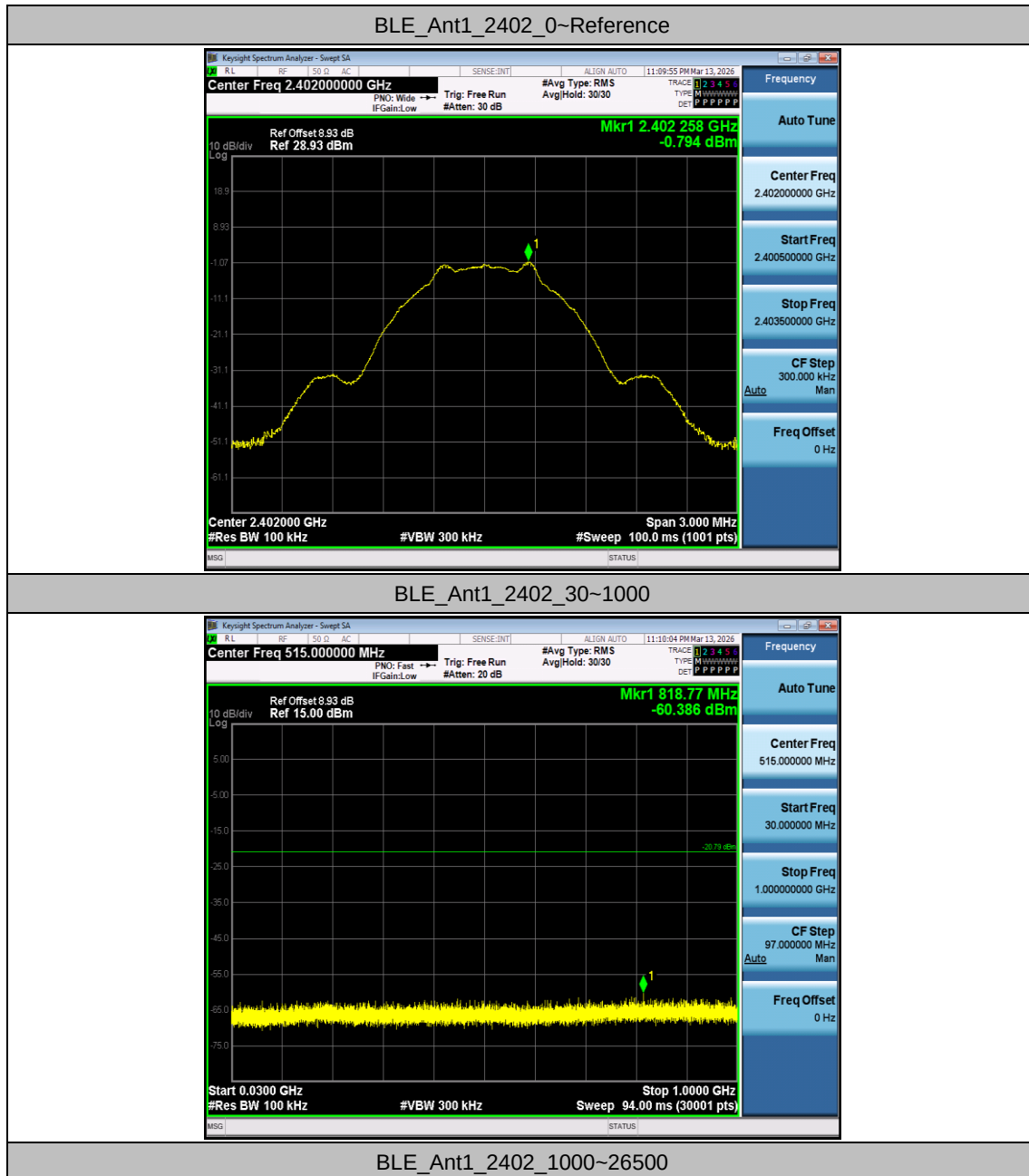


Appendix B.6:Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-60.39	≤ -20.79	PASS
			1000~26500	-0.79	-48.08	≤ -20.79	PASS
		2440	Reference	1.15	1.15	---	PASS
			30~1000	1.15	-60.45	≤ -18.85	PASS
			1000~26500	1.15	-48.5	≤ -18.85	PASS
		2480	Reference	0.12	0.12	---	PASS
			30~1000	0.12	-60.38	≤ -19.88	PASS
			1000~26500	0.12	-48.11	≤ -19.88	PASS

Test Graphs

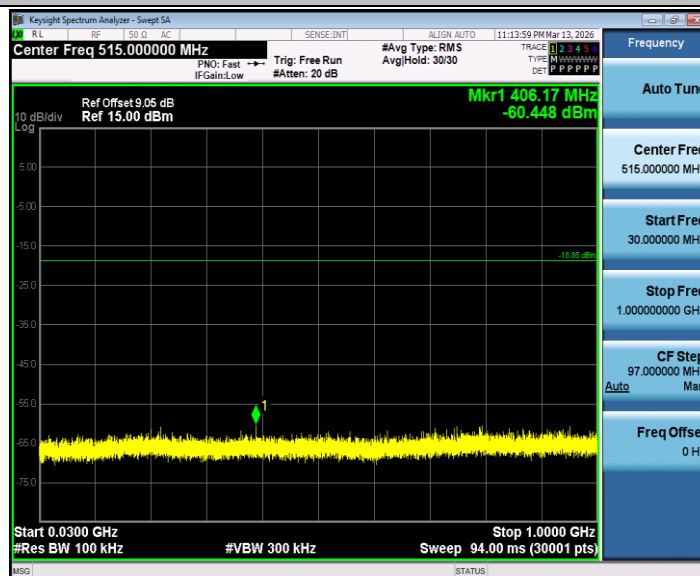




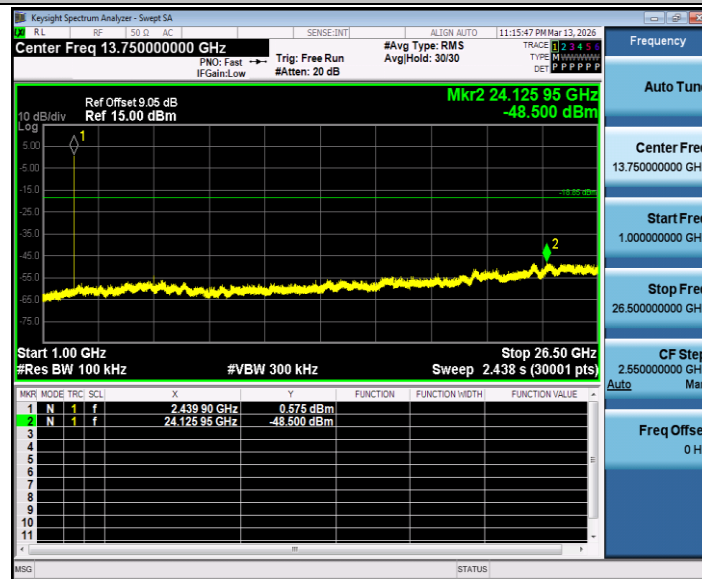
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



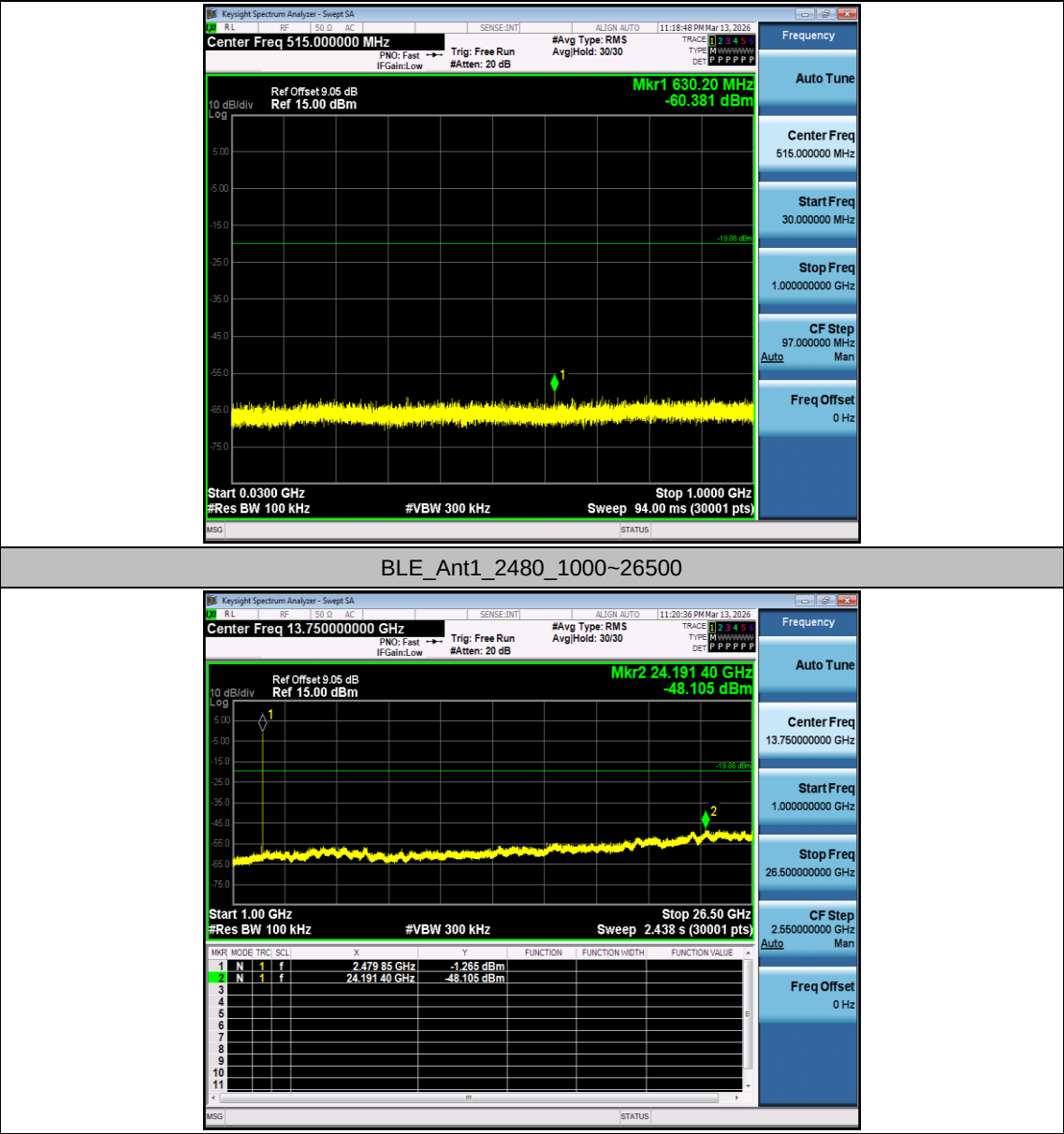
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



Appendix B.7: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
BLE	Ant1	2402	2.13	2.50	0.8520	85.20	0.70	0.47
		2440	2.13	2.50	0.8520	85.20	0.70	0.47
		2480	2.13	2.50	0.8520	85.20	0.70	0.47

Test Graphs

