

Case No. : <u>GTS20250213022-1-02</u>	
Ambient Condition: <u>22</u> °C, <u>49</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.2.17—2025.3.4</u>	Test Engineer: <u>Evan ouyang</u>

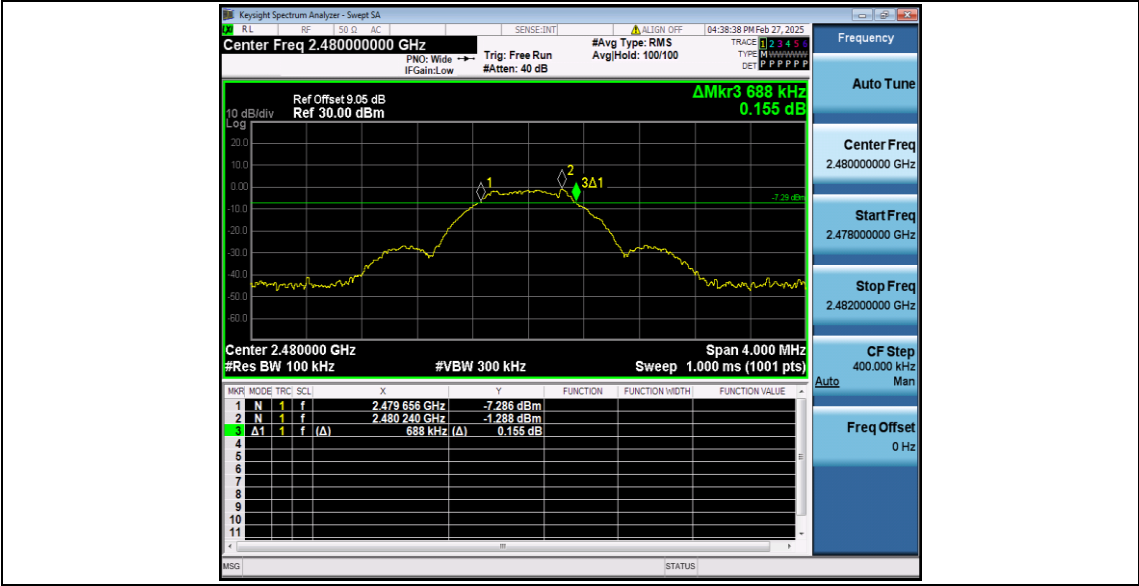
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.680	2401.648	2402.328	0.5	PASS
		2440	0.688	2439.656	2440.344	0.5	PASS
		2480	0.688	2479.656	2480.344	0.5	PASS

Test Graphs



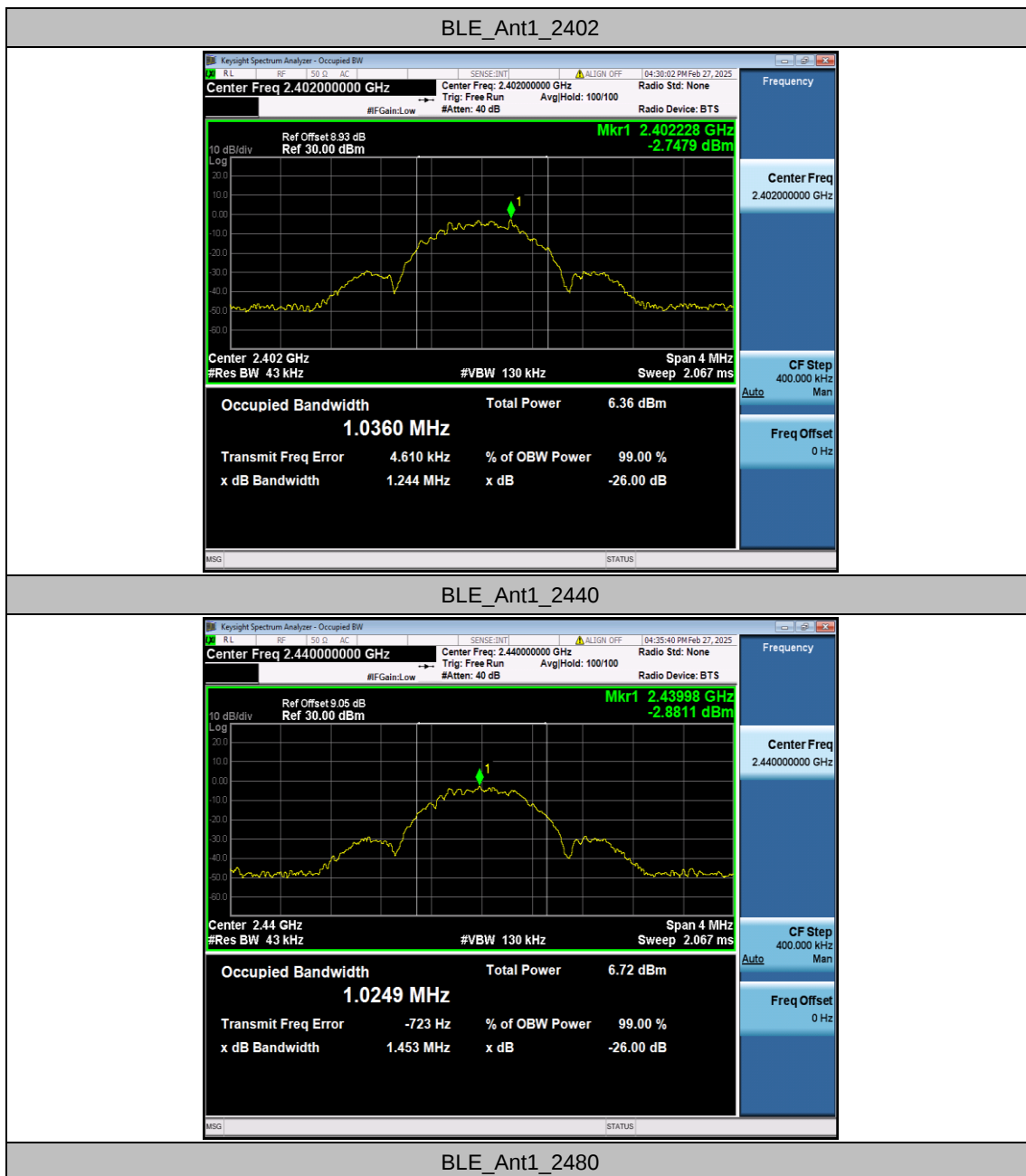


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0360	2401.4866	2402.5226	---	---
		2440	1.0249	2439.4868	2440.5117	---	---
		2480	1.0239	2479.4866	2480.5105	---	---

Test Graphs





Appendix B.3: Maximum conducted output power

Test Result Peak

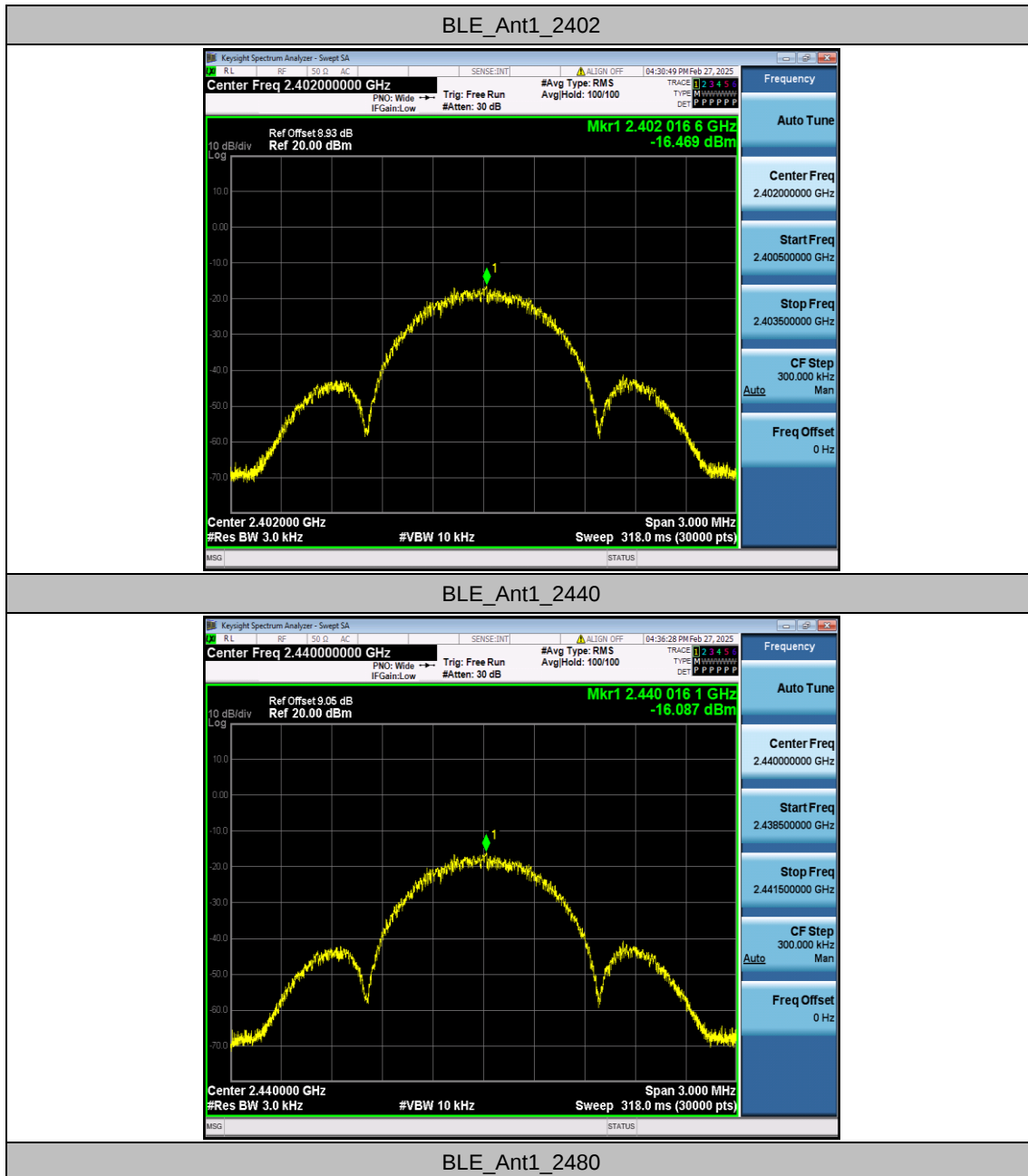
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	0.01	≤30	PASS
		2440	0.45	≤30	PASS
		2480	0.17	≤30	PASS

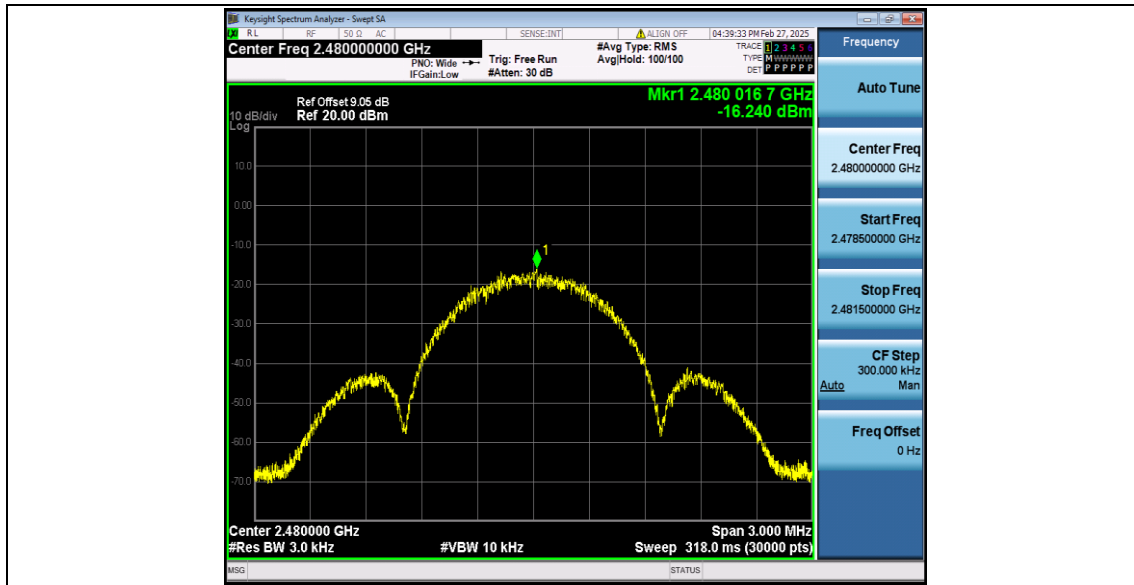
Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-16.47	≤8.00	PASS
		2440	-16.09	≤8.00	PASS
		2480	-16.24	≤8.00	PASS

Test Graphs



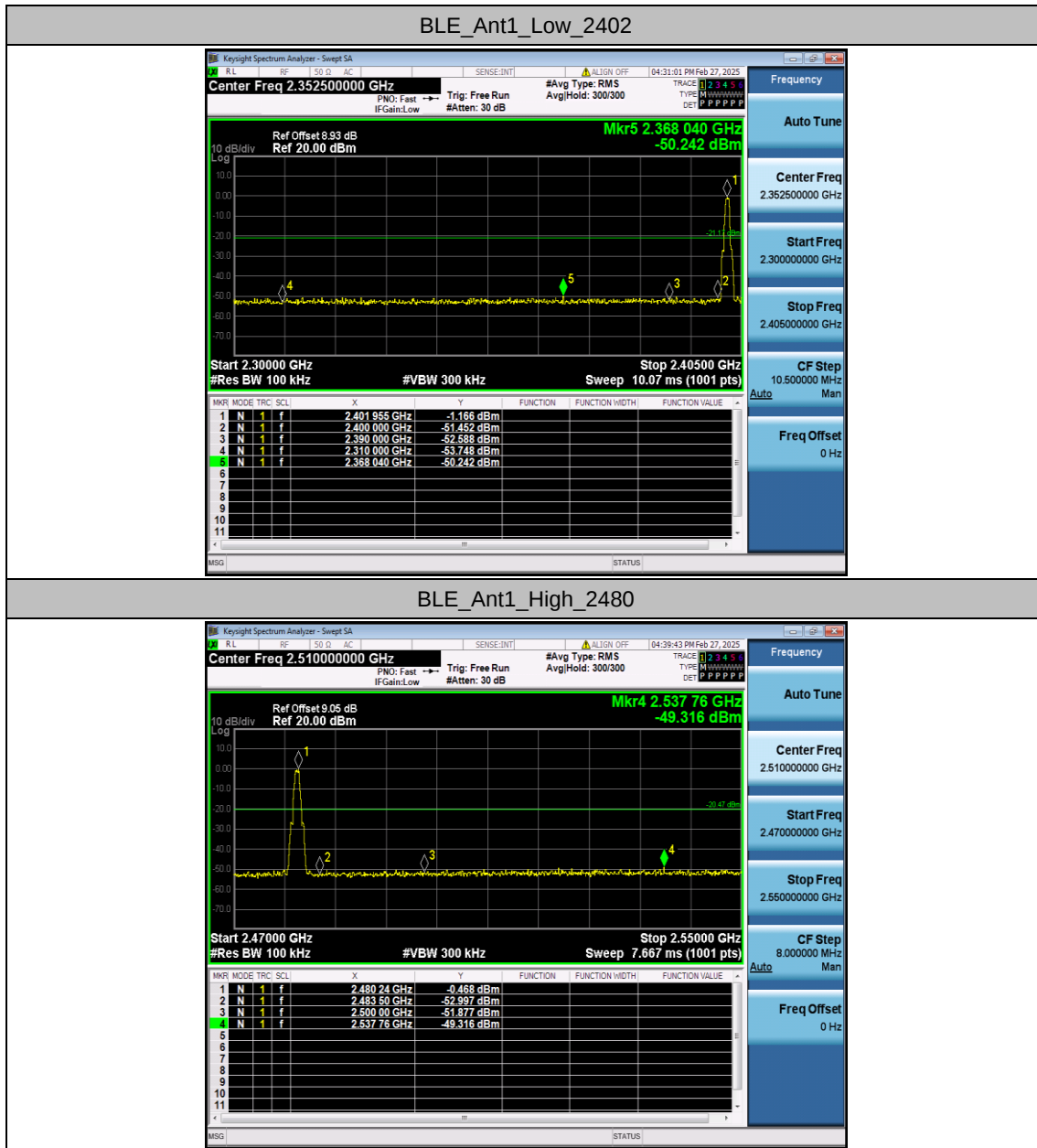


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-1.17	-50.24	≤-21.17	PASS
		High	2480	-0.47	-49.32	≤-20.47	PASS

Test Graphs

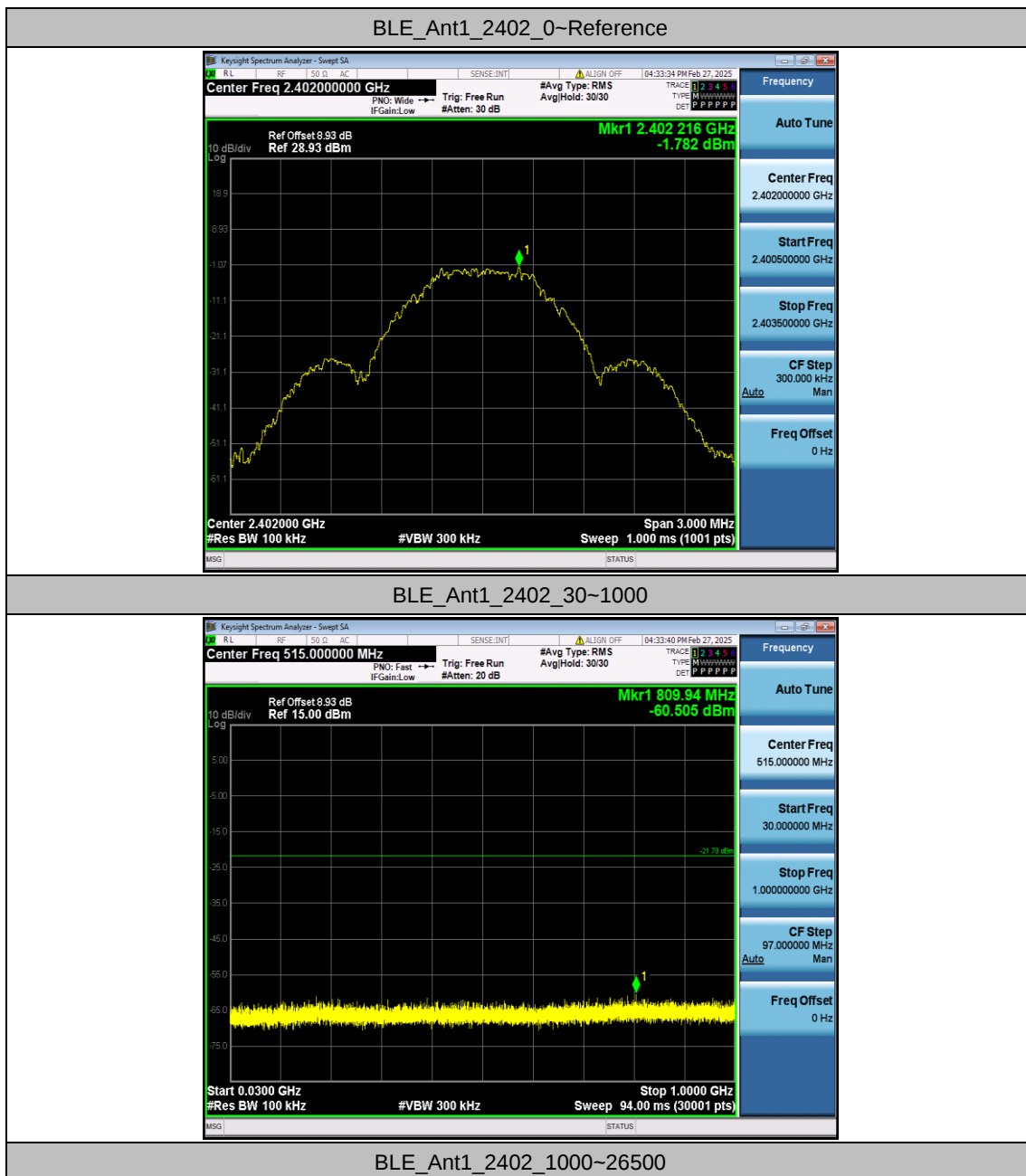


Appendix B.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-1.78	-1.78	---	PASS
			30~1000	-1.78	-60.51	≤ -21.78	PASS
			1000~26500	-1.78	-47.95	≤ -21.78	PASS
		2440	Reference	-0.72	-0.72	---	PASS
			30~1000	-0.72	-59.91	≤ -20.72	PASS
			1000~26500	-0.72	-48.12	≤ -20.72	PASS
		2480	Reference	-0.88	-0.88	---	PASS
			30~1000	-0.88	-59.58	≤ -20.88	PASS
			1000~26500	-0.88	-47.61	≤ -20.88	PASS

Test Graphs

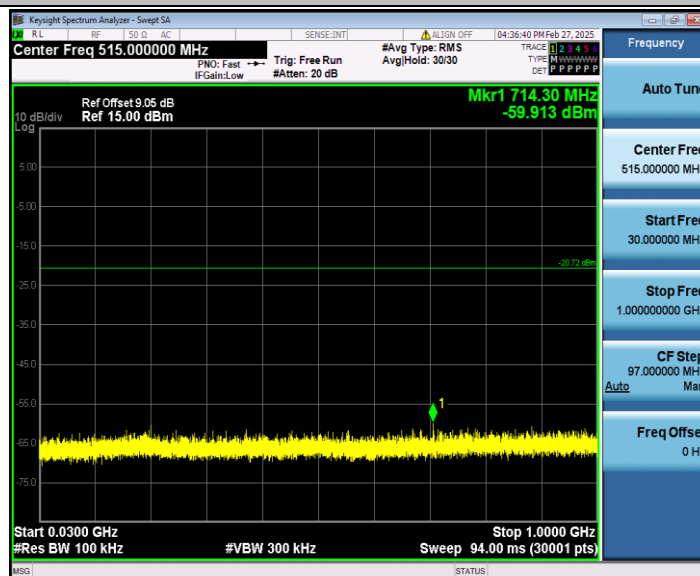




BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



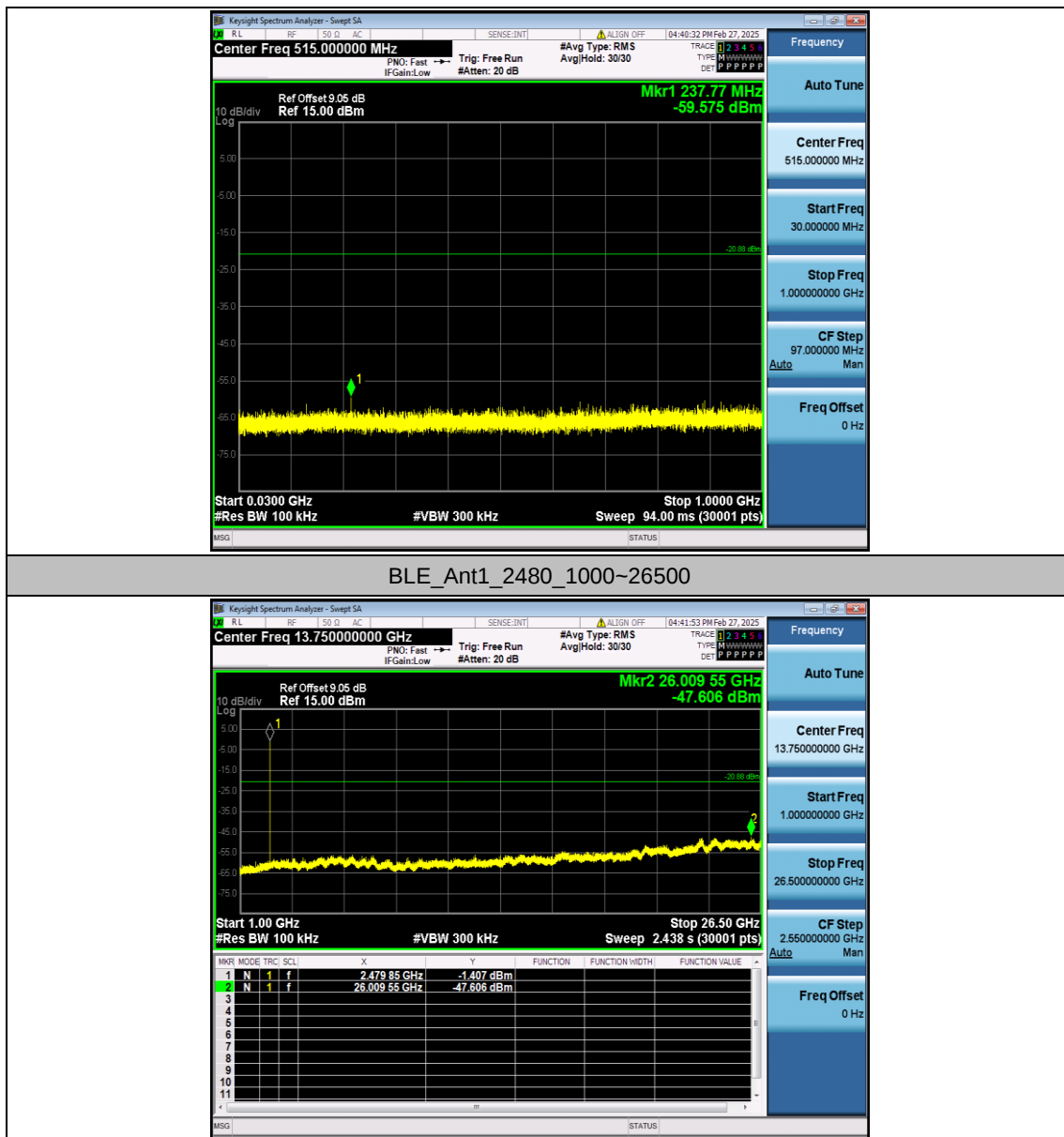
BLE_Ant1_2440_1000~26500



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

