

Case No. : <u>GTS20250324014-2-02</u>	
Ambient Condition: <u>22</u> °C, <u>53</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.4.15-2025.6.28</u>	Test Engineer: <u>Evan ouyang</u>

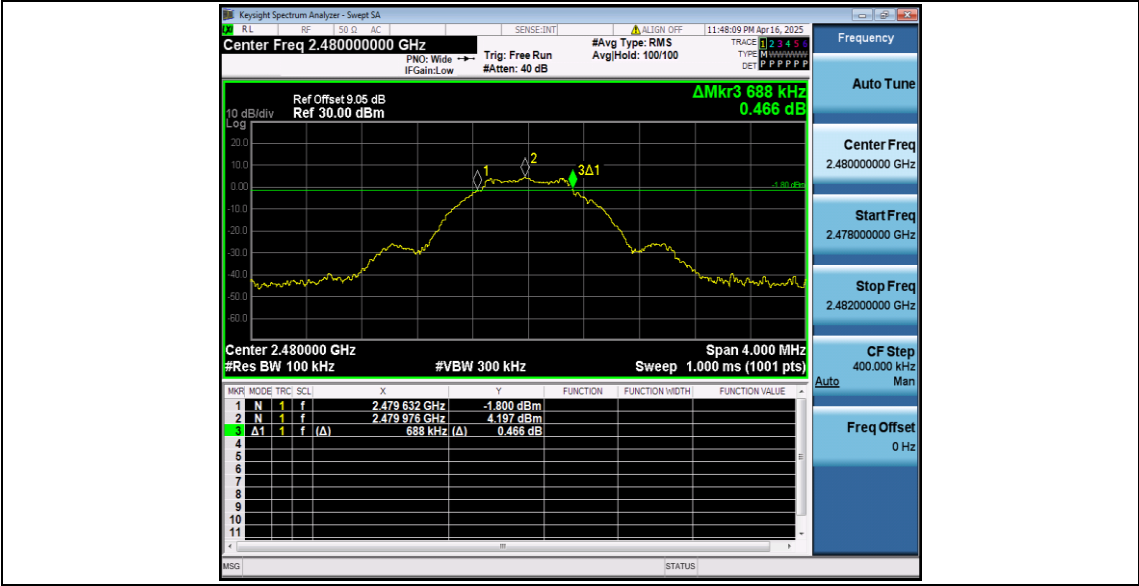
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.692	2401.628	2402.320	0.5	PASS
		2440	0.664	2439.660	2440.324	0.5	PASS
		2480	0.688	2479.632	2480.320	0.5	PASS

Test Graphs



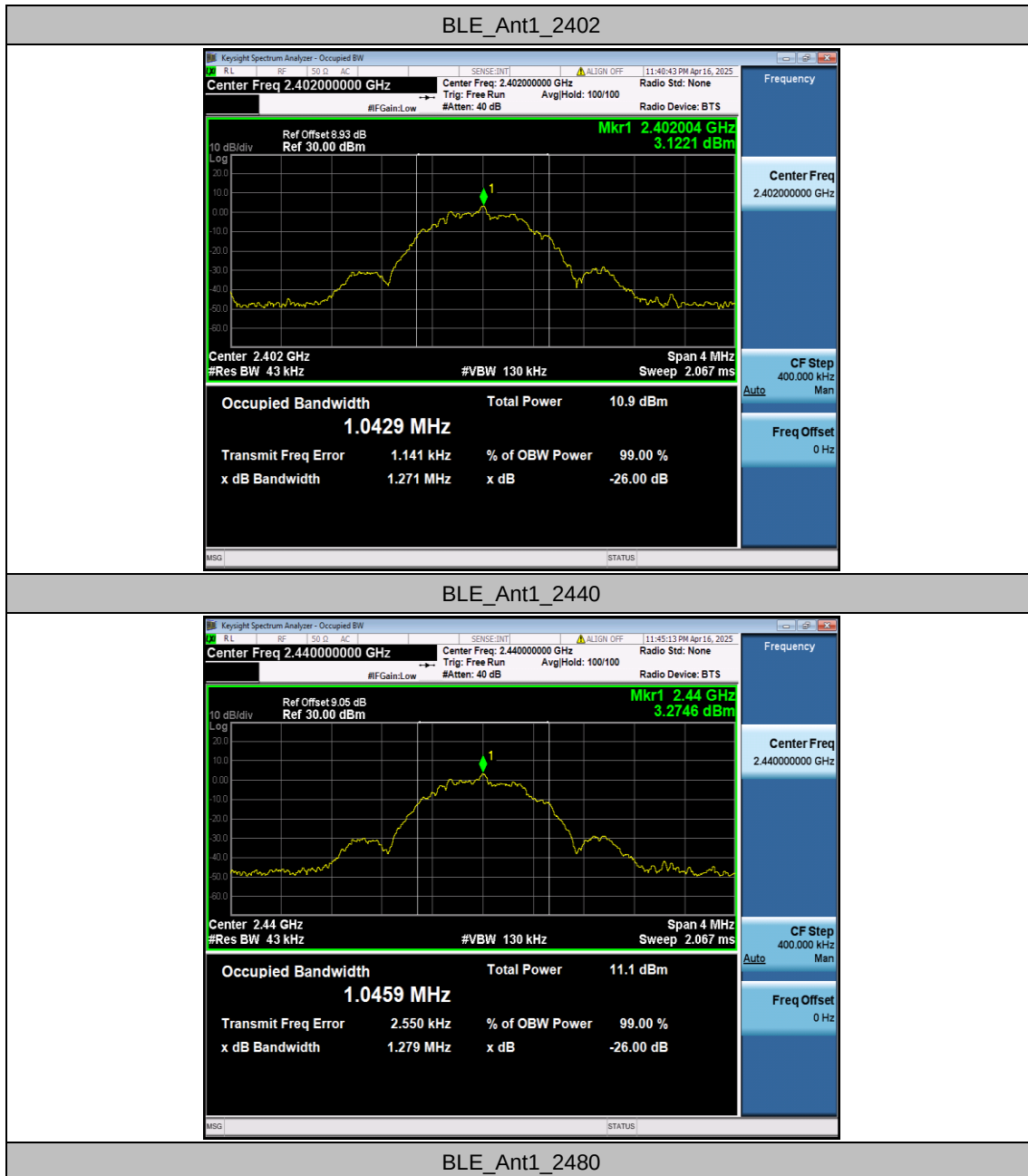


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0429	2401.4797	2402.5226	---	---
		2440	1.0459	2439.4796	2440.5255	---	---
		2480	1.0339	2479.4780	2480.5119	---	---

Test Graphs





Appendix B.3: Maximum conducted output power

Test Result Peak

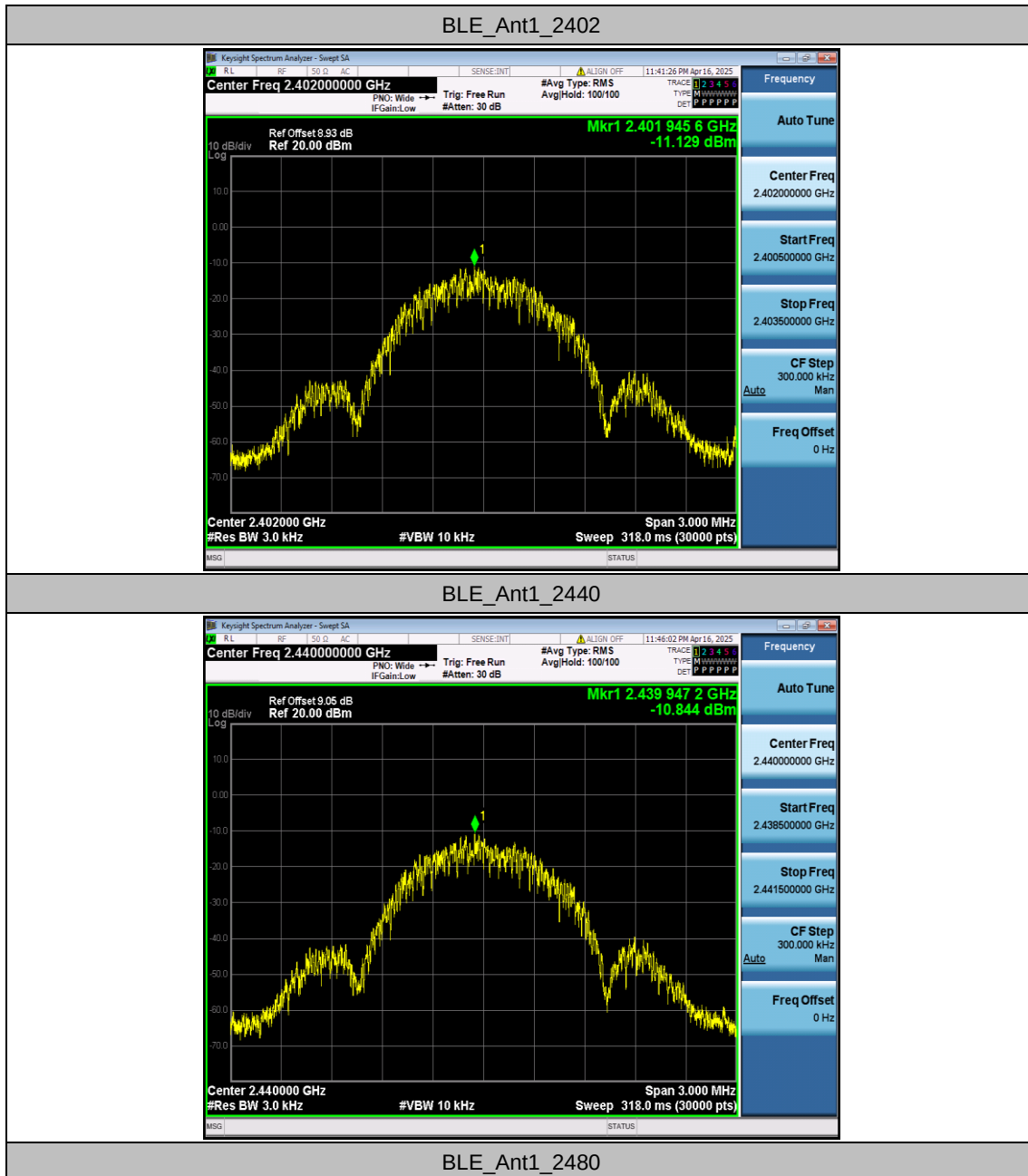
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	5.30	≤30	PASS
		2440	5.38	≤30	PASS
		2480	5.97	≤30	PASS

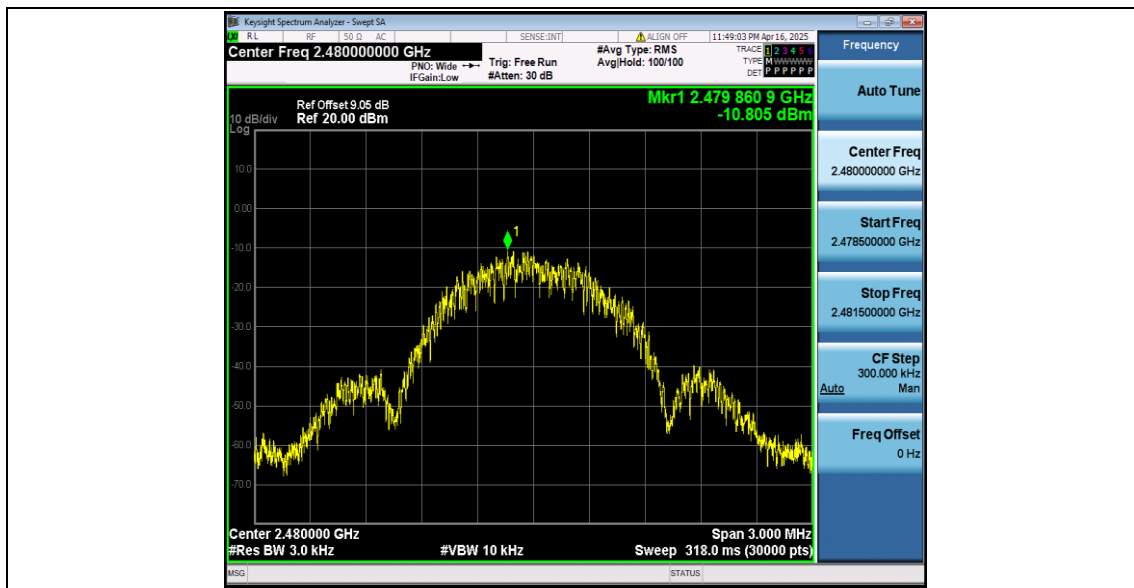
Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-11.13	≤8.00	PASS
		2440	-10.84	≤8.00	PASS
		2480	-10.81	≤8.00	PASS

Test Graphs



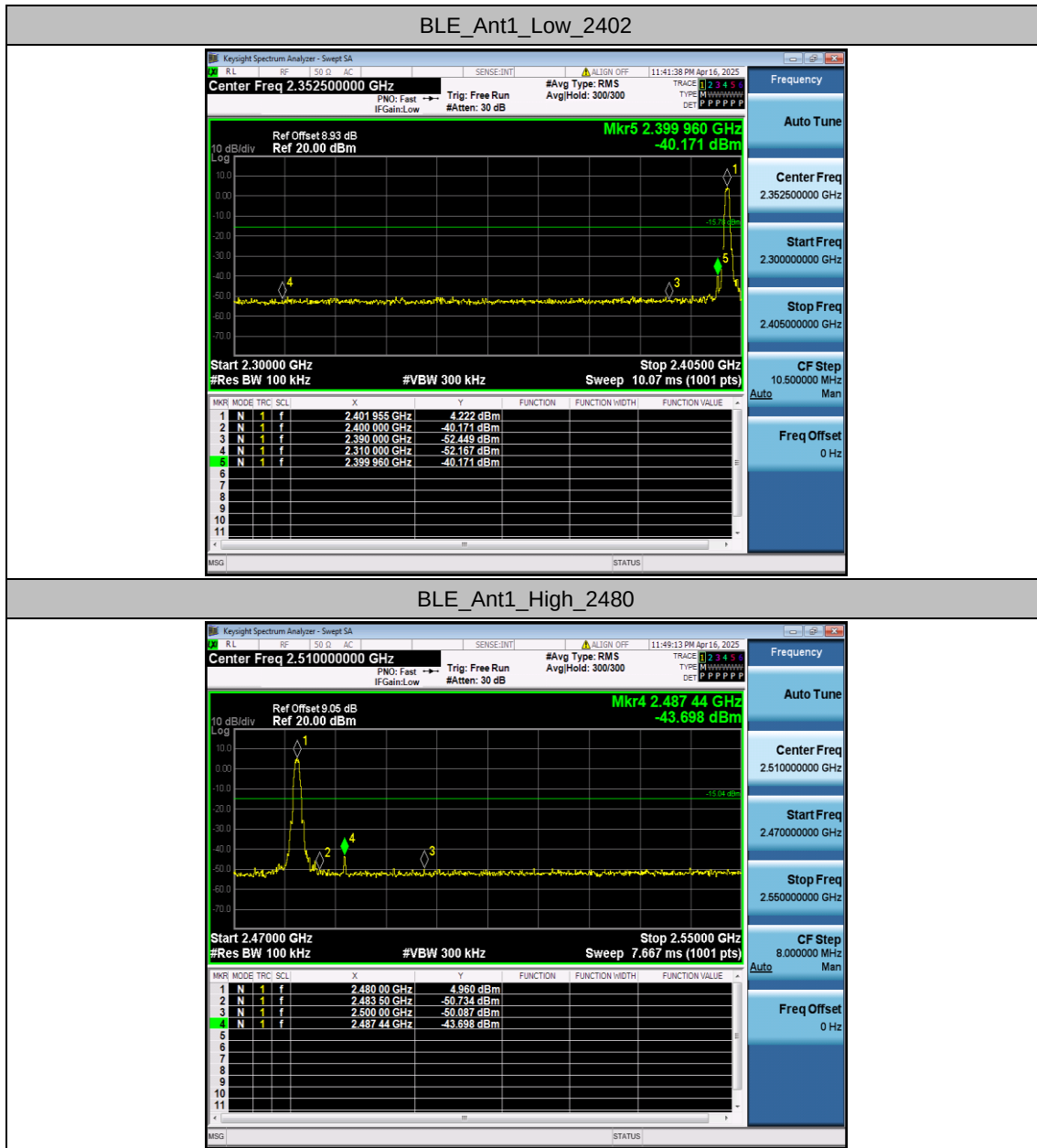


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	4.22	-40.17	≤-15.78	PASS
		High	2480	4.96	-43.7	≤-15.04	PASS

Test Graphs

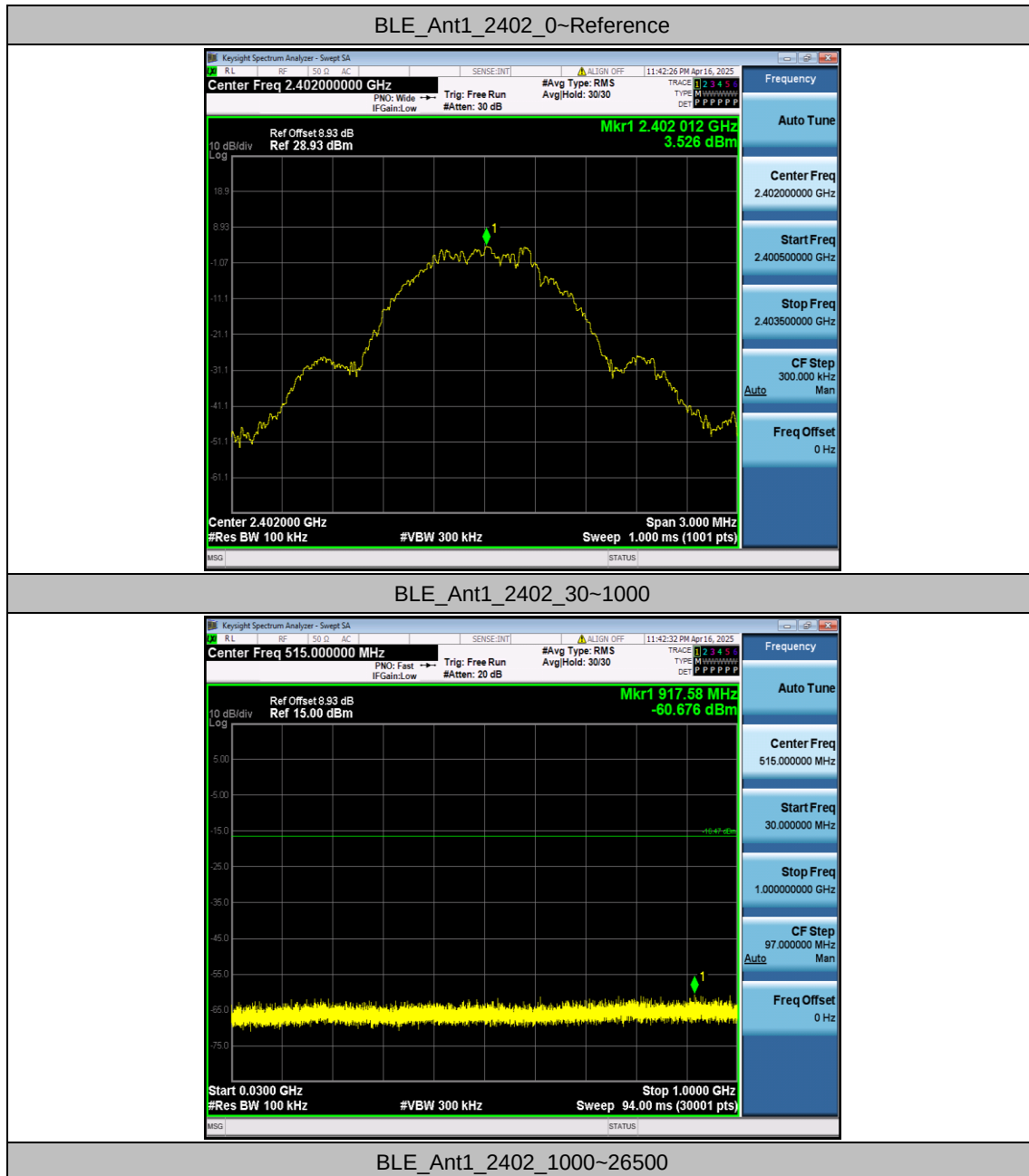


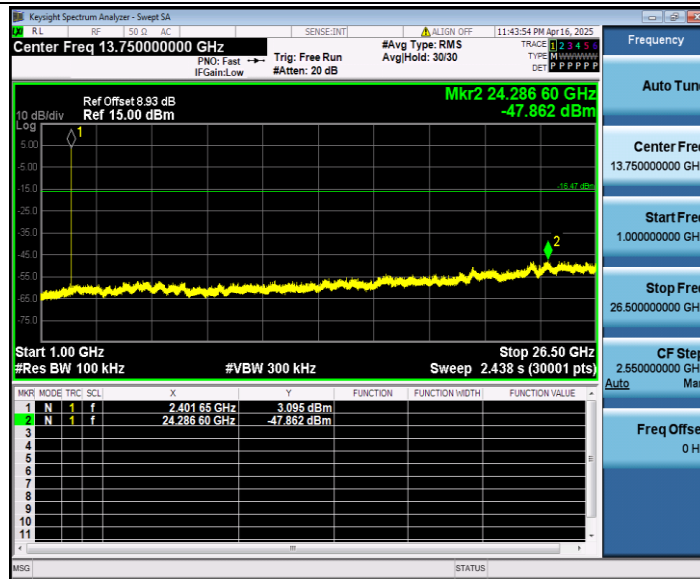
Appendix B.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	3.53	3.53	---	PASS
			30~1000	3.53	-60.68	≤ -16.47	PASS
			1000~26500	3.53	-47.86	≤ -16.47	PASS
		2440	Reference	4.10	4.10	---	PASS
			30~1000	4.10	-61.09	≤ -15.9	PASS
			1000~26500	4.10	-47.65	≤ -15.9	PASS
		2480	Reference	3.58	3.58	---	PASS
			30~1000	3.58	-60.97	≤ -16.42	PASS
			1000~26500	3.58	-46.43	≤ -16.42	PASS

Test Graphs

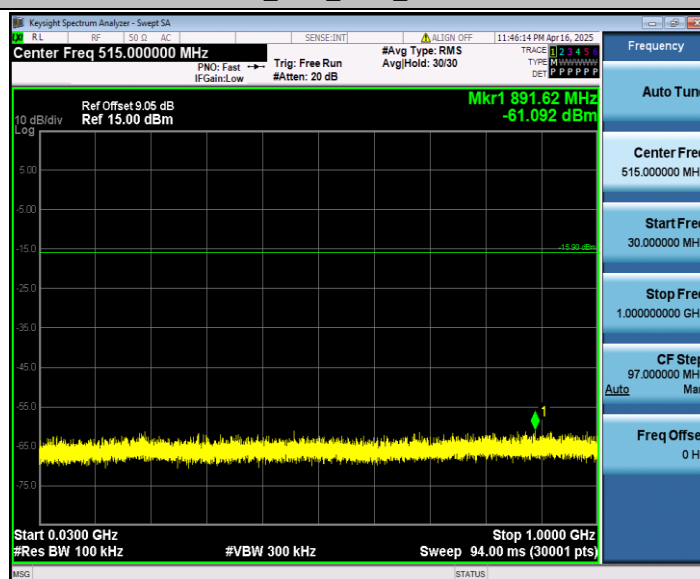




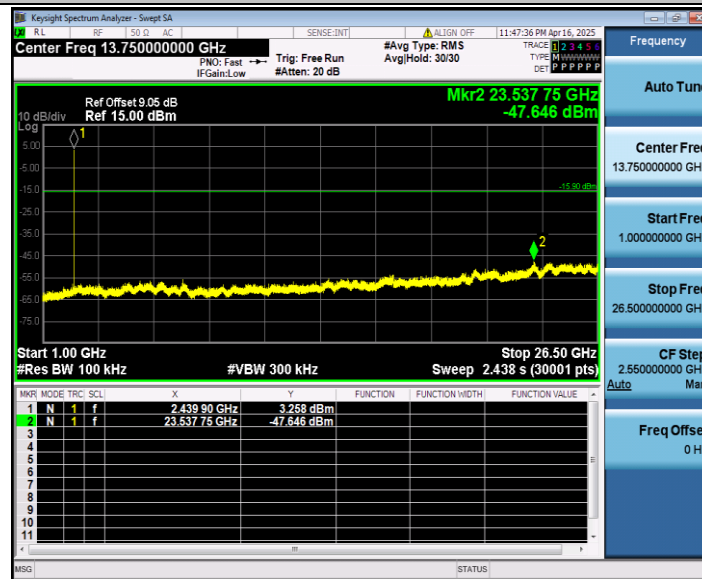
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



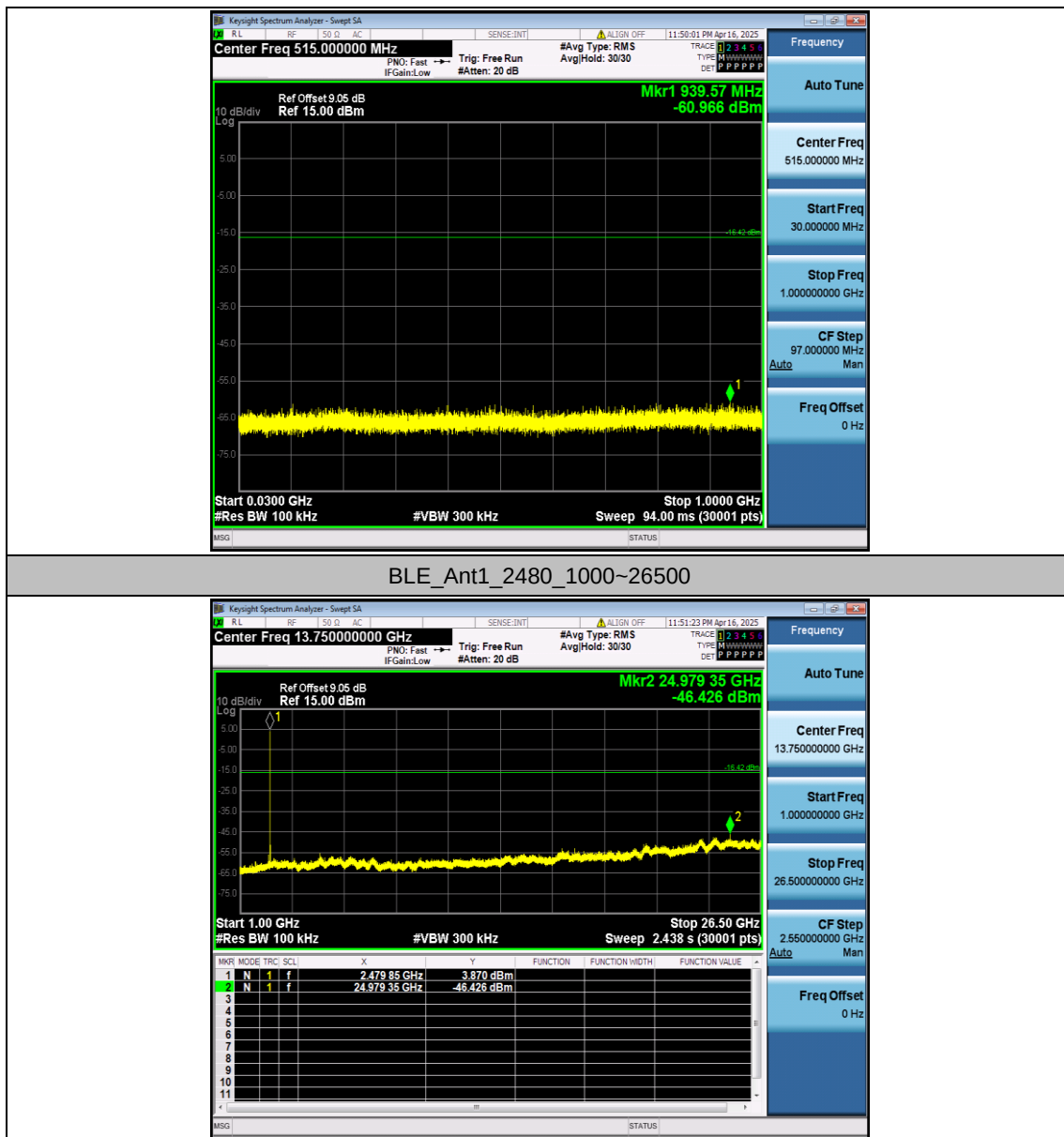
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000

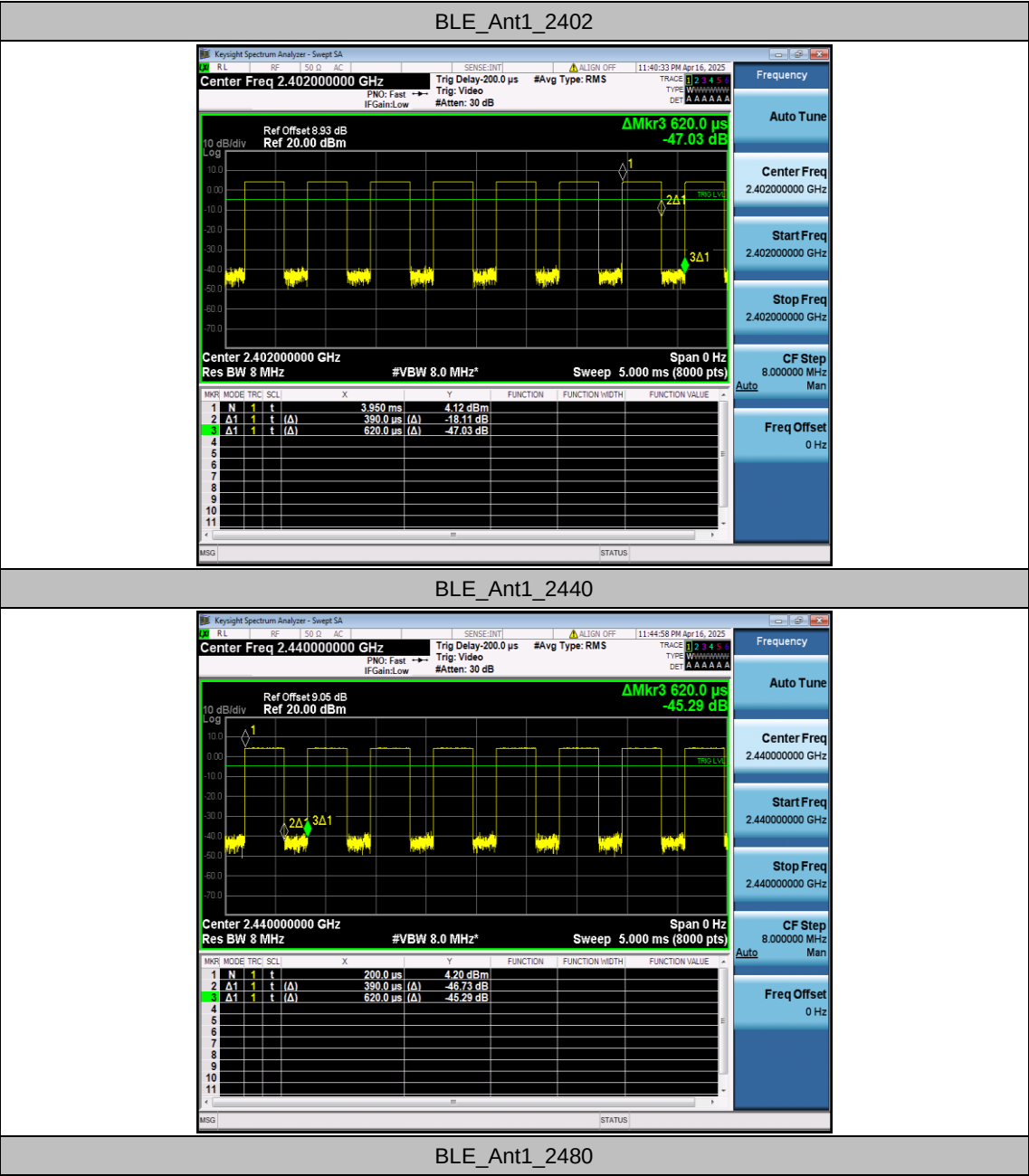


Appendix B.7: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
BLE	Ant1	2402	0.39	0.62	0.6290	62.90	2.01	2.56
		2440	0.39	0.62	0.6290	62.90	2.01	2.56
		2480	0.39	0.62	0.6290	62.90	2.01	2.56

Test Graphs



BLE_Ant1_2440

Frequency
Auto Tune
Center Freq 2.440000000 GHz
Start Freq 2.440000000 GHz
Stop Freq 2.440000000 GHz
CF Step 8.0000000 MHz
Freq Offset 0 Hz

BLE_Ant1_2480

