

Case No. : <u>CTA24111401802</u>	
Ambient Condition: <u>23</u> °C, <u>54</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2024.9.12</u>	Test Engineer: <u>Lushan Kong</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	0.660	2401.660	2402.320	0.5	PASS
		2440	0.652	2439.672	2440.324	0.5	PASS
		2480	0.680	2479.648	2480.328	0.5	PASS

Test Graphs



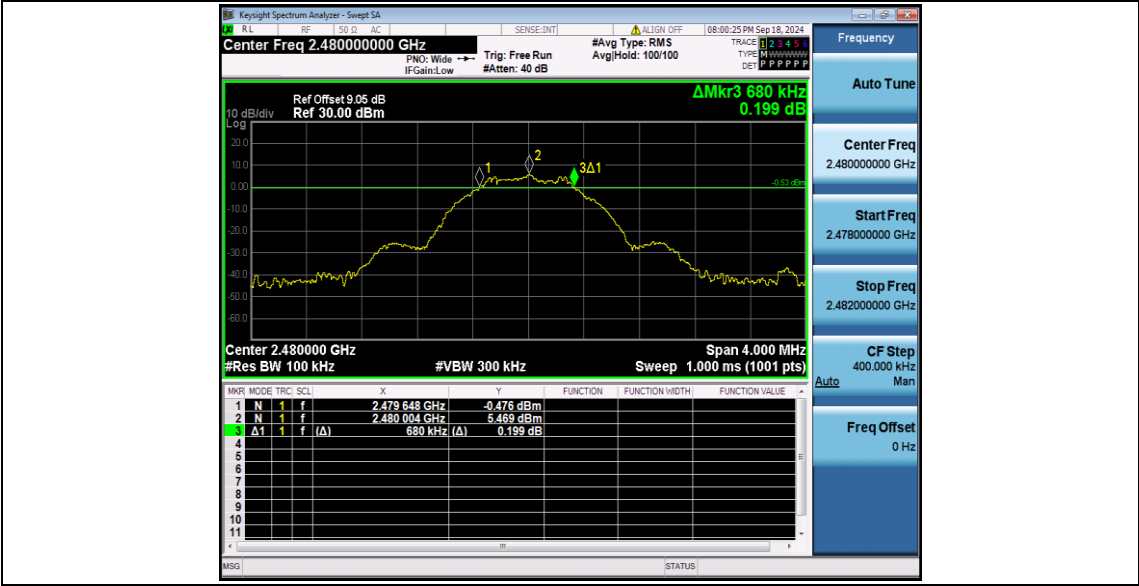
BLE_Ant1_2440

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



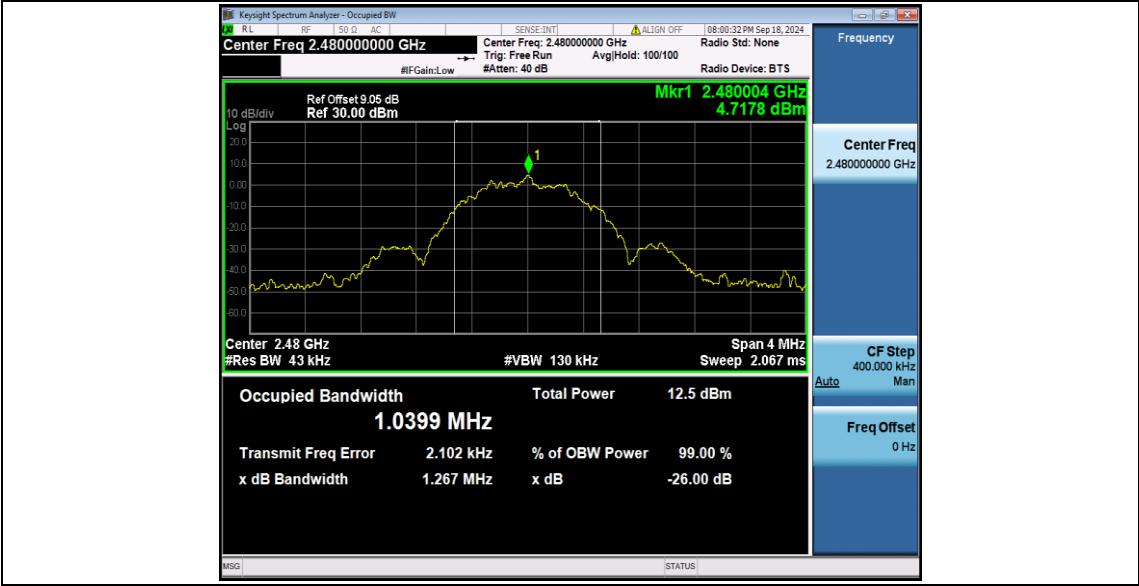
Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0399	2401.4822	2402.5221	---	---
		2440	1.0355	2439.4843	2440.5198	---	---
		2480	1.0399	2479.4822	2480.5221	---	---

Test Graphs





Appendix B.3: Maximum conducted output power

Test Result Peak

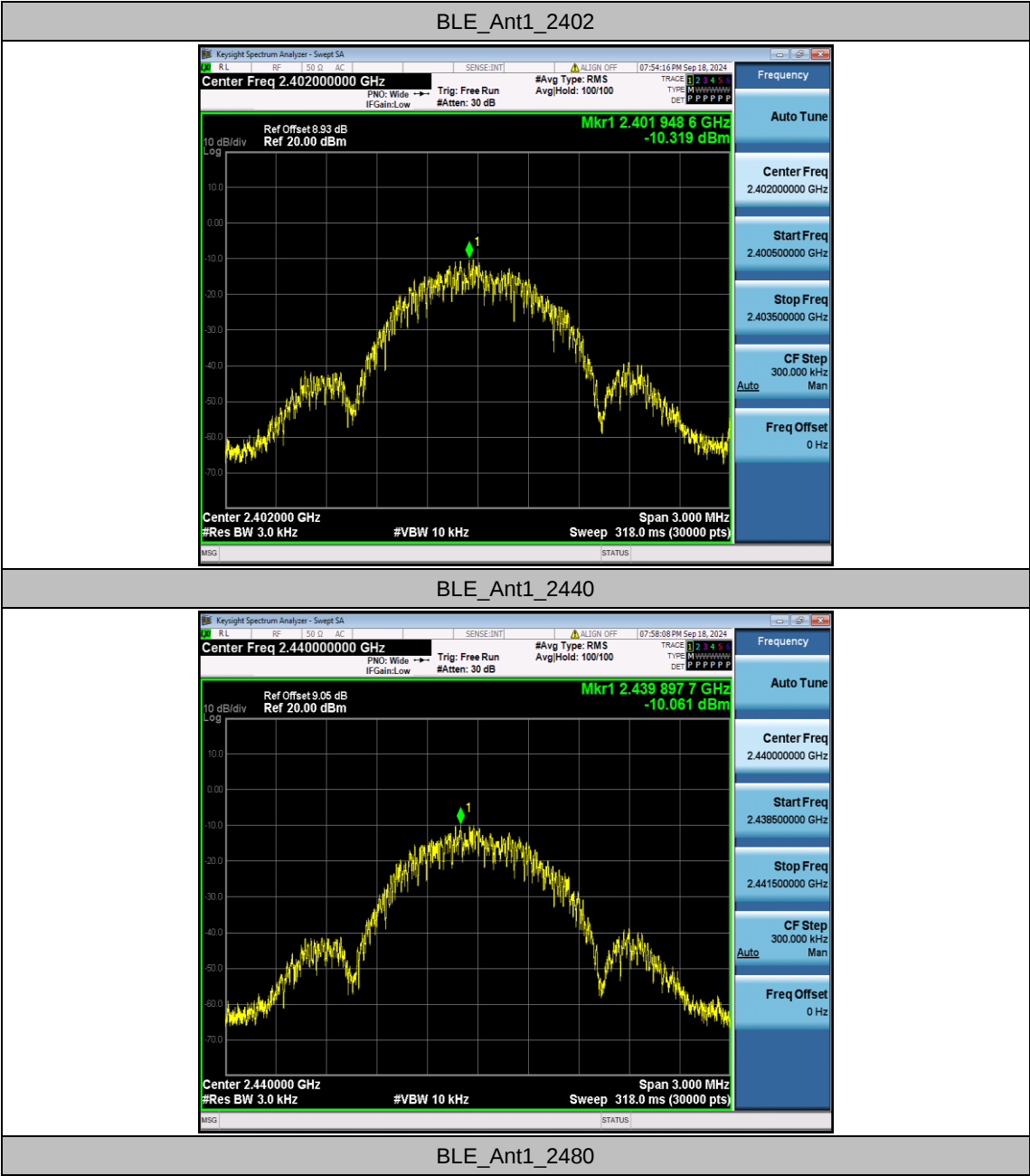
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	4.81	≤30	PASS
		2440	5.52	≤30	PASS
		2480	5.69	≤30	PASS

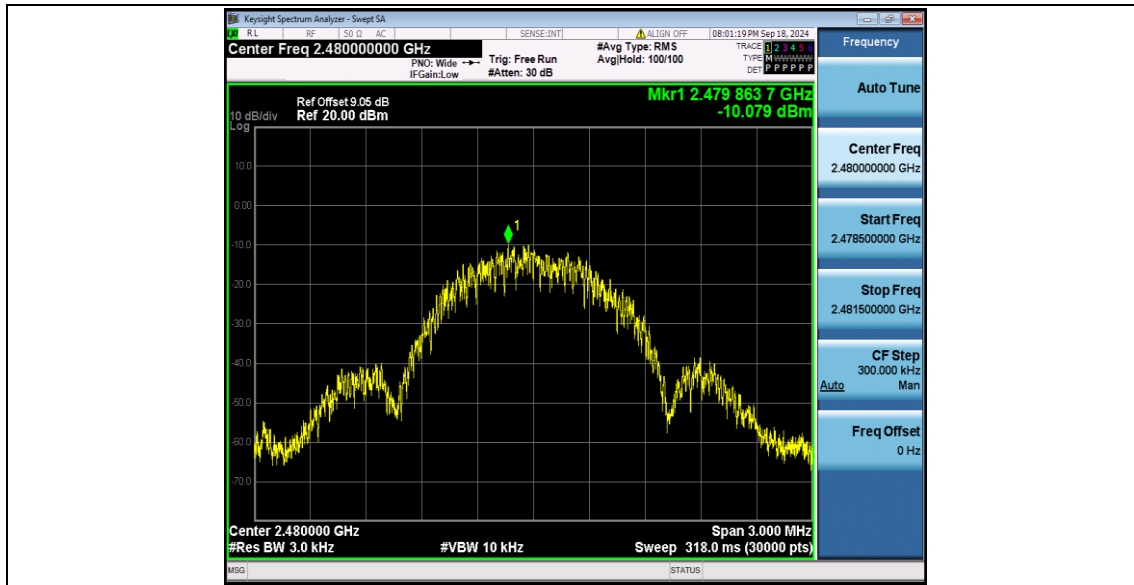
Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.32	≤8.00	PASS
		2440	-10.06	≤8.00	PASS
		2480	-10.08	≤8.00	PASS

Test Graphs



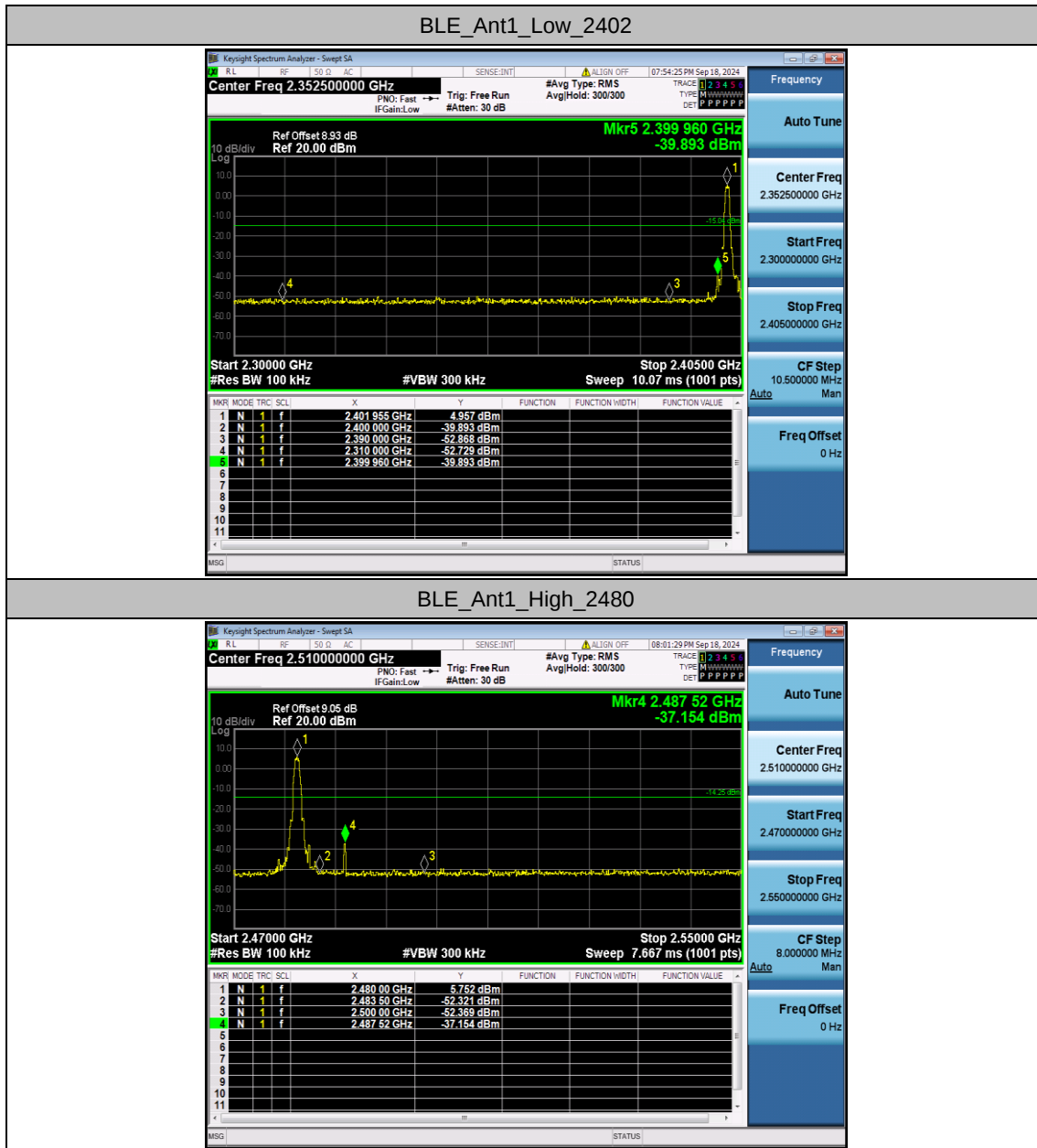


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	4.96	-39.89	≤-15.04	PASS
		High	2480	5.75	-37.15	≤-14.25	PASS

Test Graphs

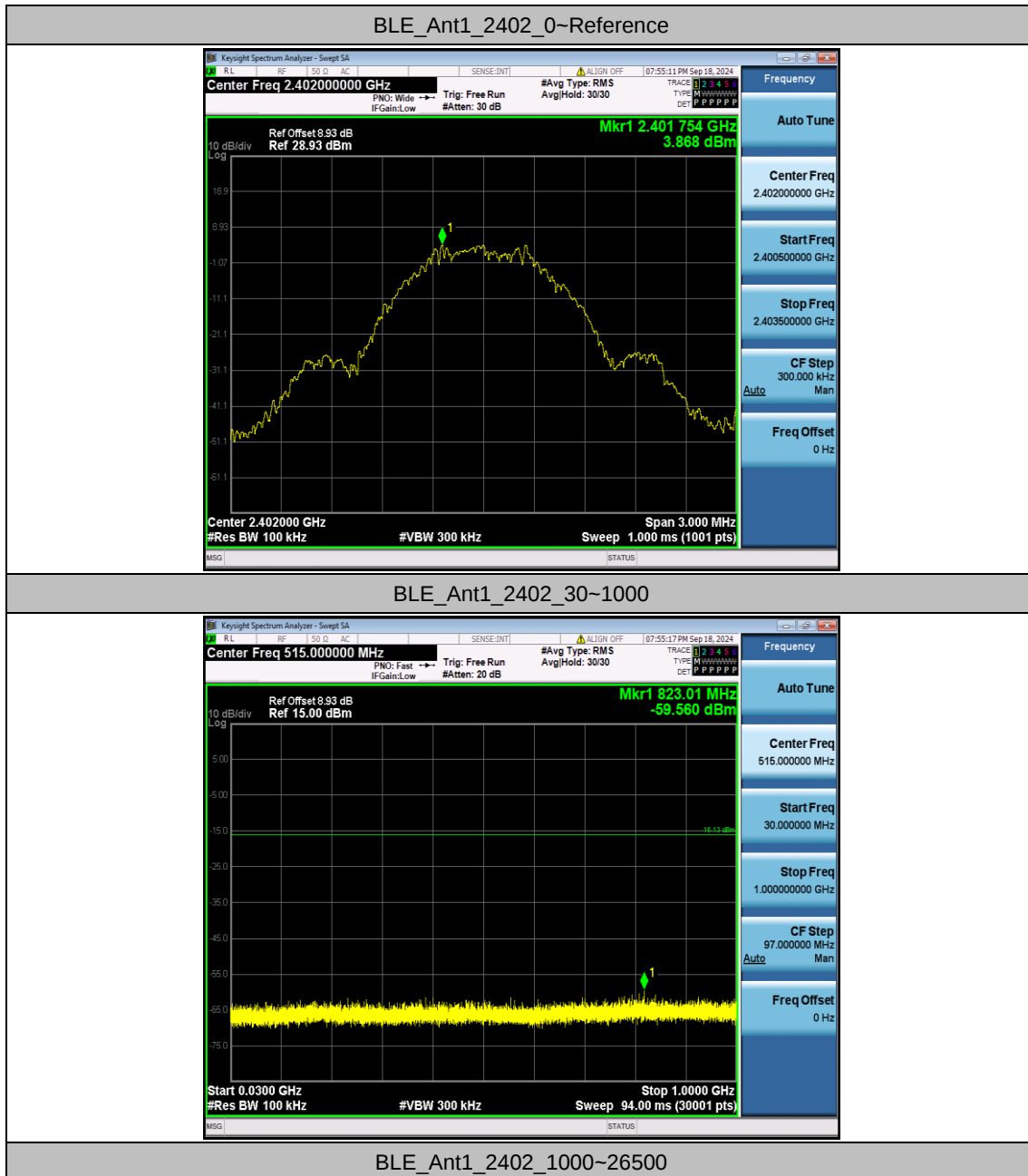


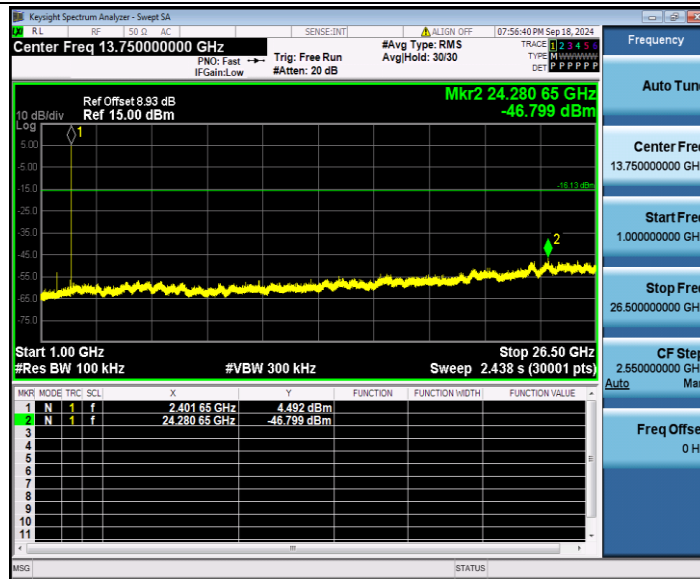
Appendix B.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	3.87	3.87	---	PASS
			30~1000	3.87	-59.56	≤ -16.13	PASS
			1000~26500	3.87	-46.8	≤ -16.13	PASS
		2440	Reference	4.47	4.47	---	PASS
			30~1000	4.47	-60.42	≤ -15.53	PASS
			1000~26500	4.47	-48.09	≤ -15.53	PASS
		2480	Reference	5.34	5.34	---	PASS
			30~1000	5.34	-60.11	≤ -14.66	PASS
			1000~26500	5.34	-48.04	≤ -14.66	PASS

Test Graphs





BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000

