

Case No. : <u>GTS202205100015-1-12</u>	
Ambient Condition: <u>26</u> °C, <u>46</u> %RH,	
Test Date: <u>2022.6.6</u>	Test Engineer: <u>Jenny zeng</u>

Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	0.648	2401.676	2402.324	0.5	PASS
		2440	0.664	2439.664	2440.328	0.5	PASS
		2480	0.676	2479.656	2480.332	0.5	PASS

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480

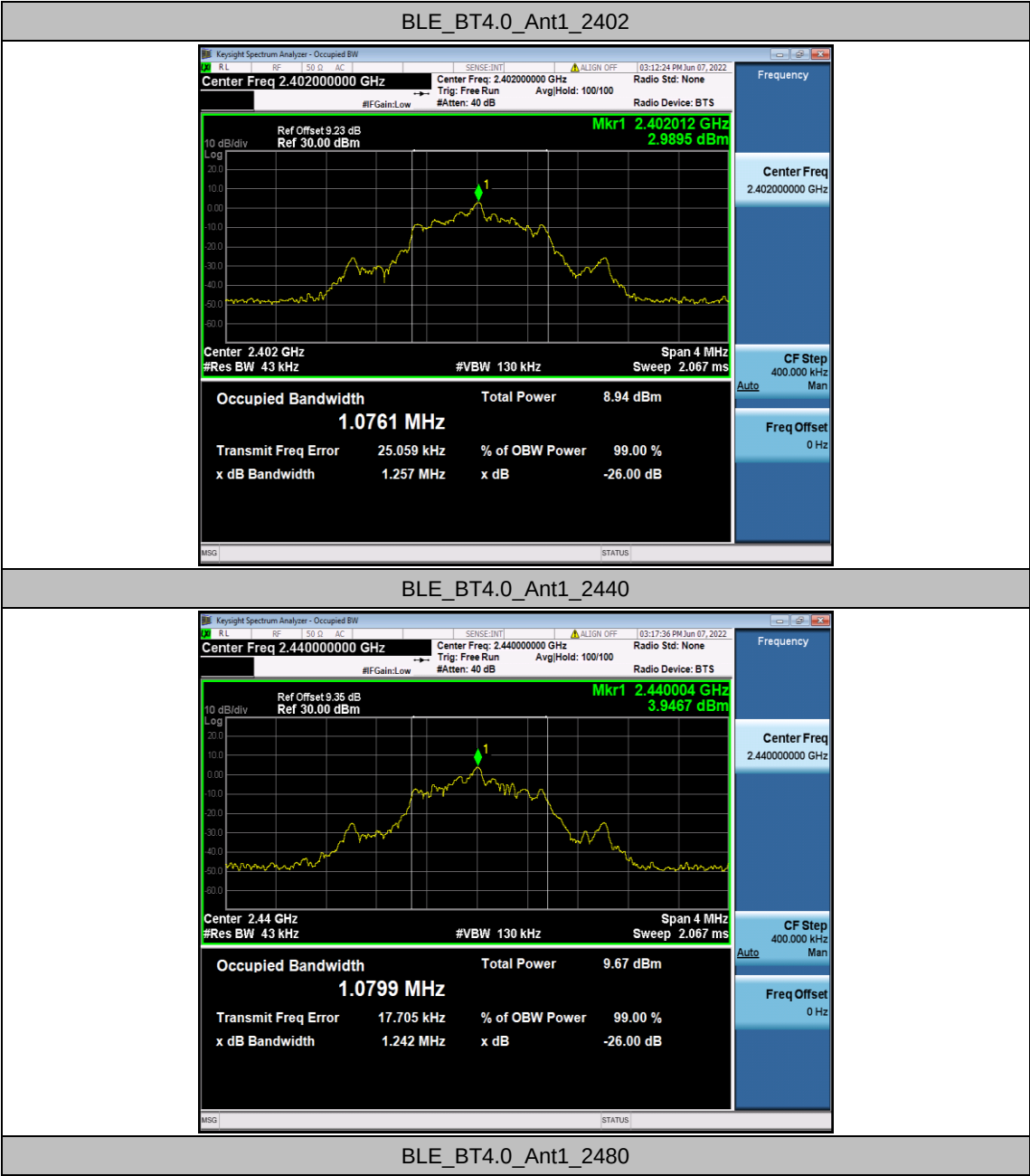


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	1.0761	2401.487	2402.563	---	---
		2440	1.0799	2439.478	2440.558	---	---
		2480	1.0772	2479.471	2480.548	---	---

Test Graphs





Appendix B.3: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_BT4.0	Ant1	2402	2.26	≤8.00	PASS
		2440	3.19	≤8.00	PASS
		2480	2.43	≤8.00	PASS

Test Graphs

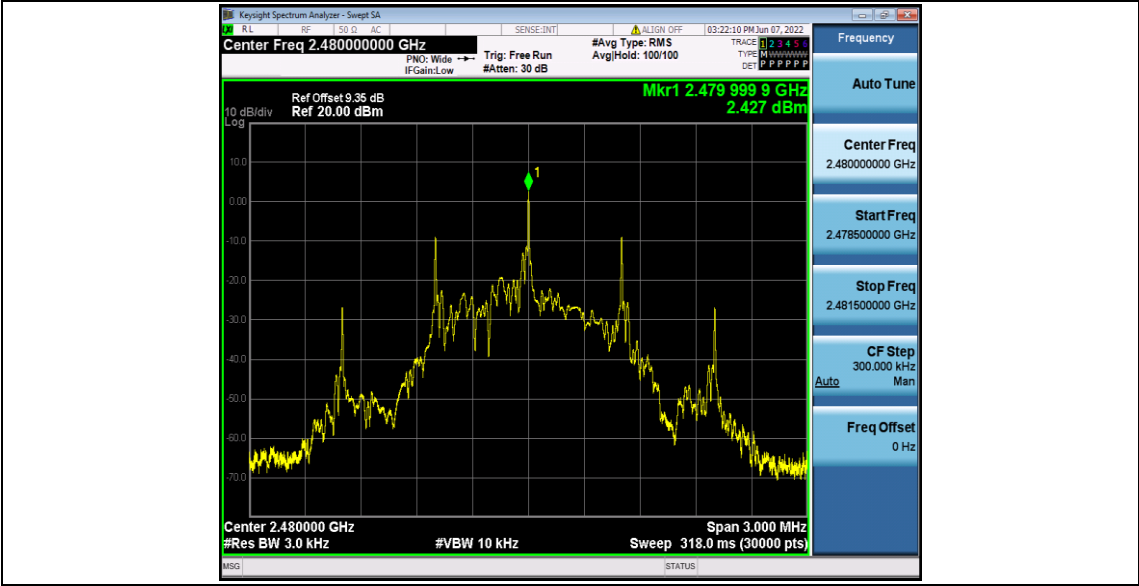
BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



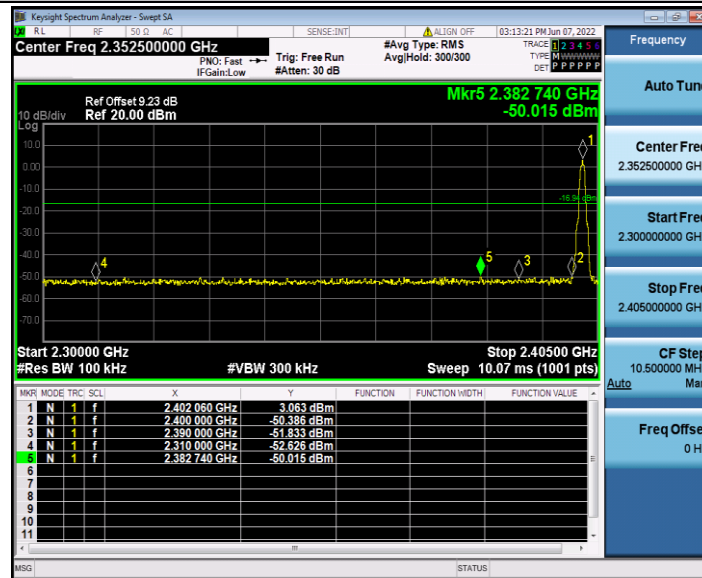
Appendix B.4: Band edge measurements

Test Result

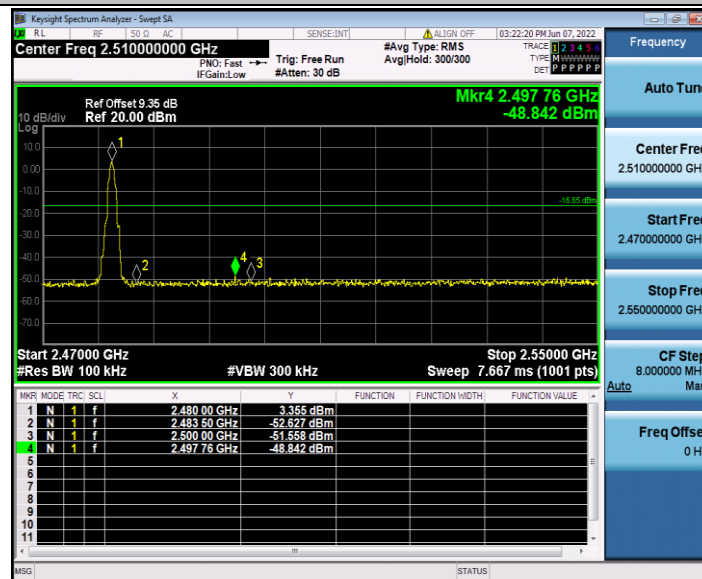
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	3.06	-50.02	≤-16.94	PASS
		High	2480	3.36	-48.84	≤-16.65	PASS

Test Graphs

BLE_BT4.0_Ant1_Low_2402



BLE_BT4.0_Ant1_High_2480



Appendix B.5: Conducted Spurious Emission

Test Result

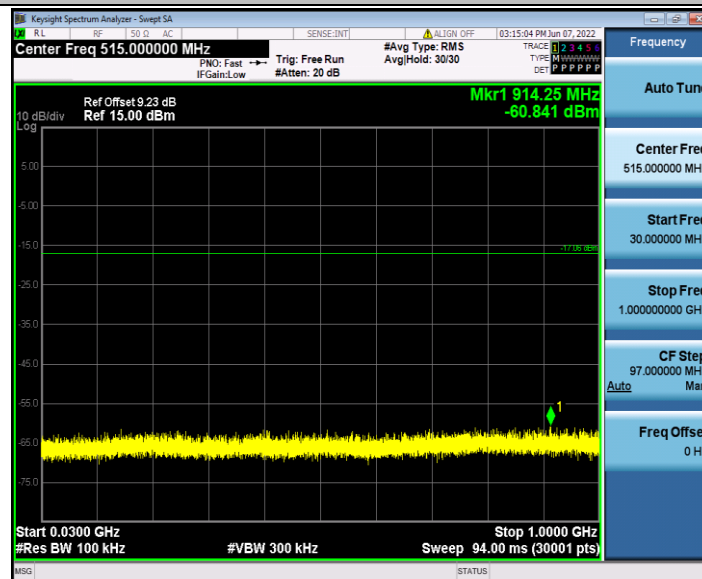
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	Reference	2.94	2.94	---	PASS
			30~1000	2.94	-60.84	$\leq$ -17.06	PASS
			1000~26500	2.94	-47.97	$\leq$ -17.06	PASS
		2440	Reference	3.87	3.87	---	PASS
			30~1000	3.87	-60.13	$\leq$ -16.13	PASS
			1000~26500	3.87	-47.19	$\leq$ -16.13	PASS
		2480	Reference	3.12	3.12	---	PASS
			30~1000	3.12	-60.55	$\leq$ -16.88	PASS
			1000~26500	3.12	-47.71	$\leq$ -16.88	PASS

Test Graphs

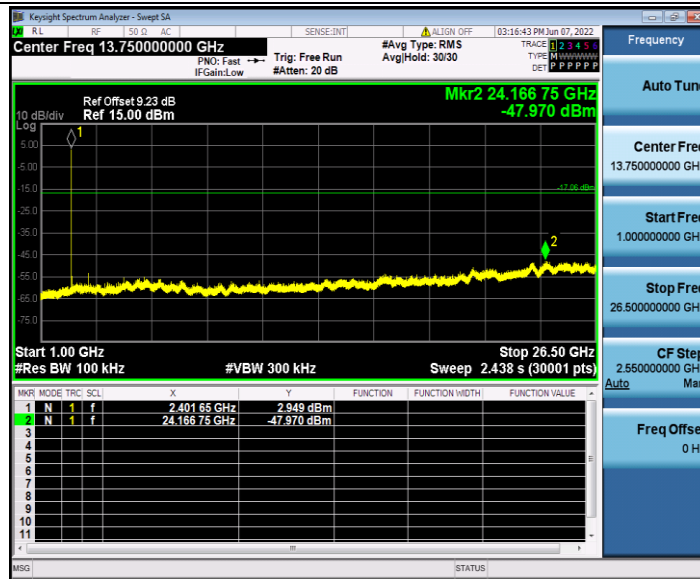
BLE_BT4.0_Ant1_2402_0~Reference



BLE_BT4.0_Ant1_2402_30~1000



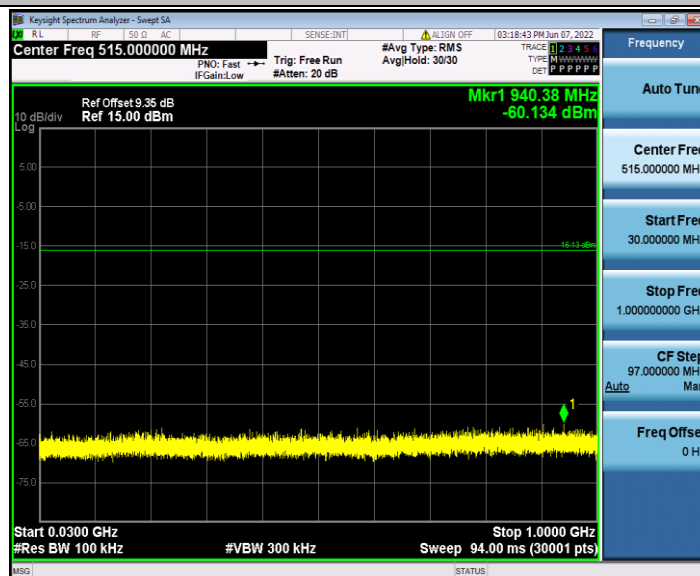
BLE_BT4.0_Ant1_2402_1000~26500



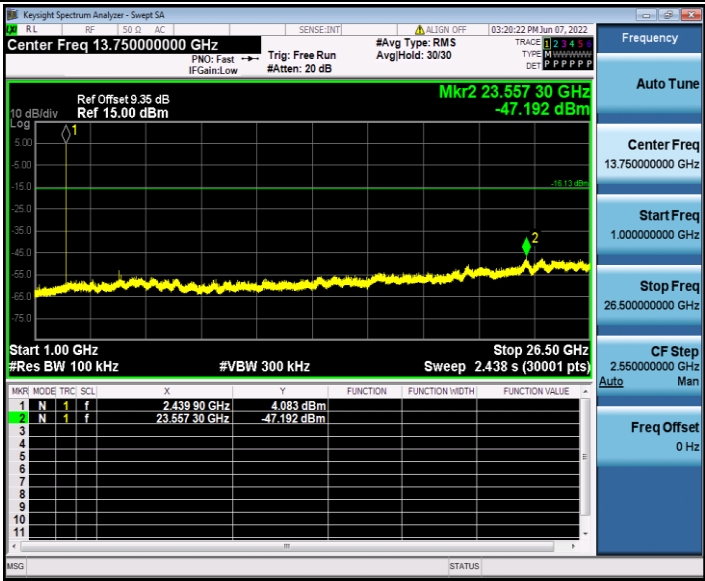
BLE_BT4.0_Ant1_2440_0~Reference



BLE_BT4.0_Ant1_2440_30~1000



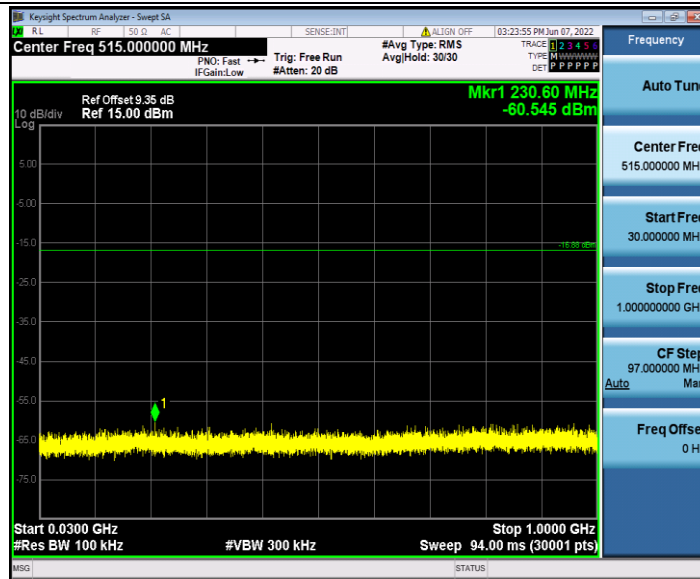
BLE_BT4.0_Ant1_2440_1000~26500



BLE_BT4.0_Ant1_2480_0~Reference



BLE_BT4.0_Ant1_2480_30~1000



BLE_BT4.0_Ant1_2480_1000~26500

