

Case No. : <u>GTS20220506010-1-11</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH,	
Test Date: <u>2022-6-10</u>	Test Engineer: <u>Jenny Zeng</u>

Appendix B.1: DTS Bandwidth

Test Result

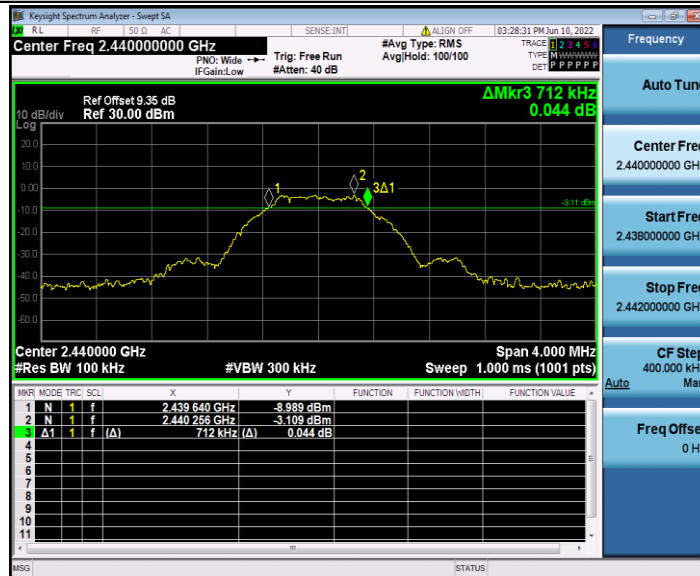
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	0.676	2401.672	2402.348	0.5	PASS
		2440	0.712	2439.640	2440.352	0.5	PASS
		2480	0.692	2479.652	2480.344	0.5	PASS

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



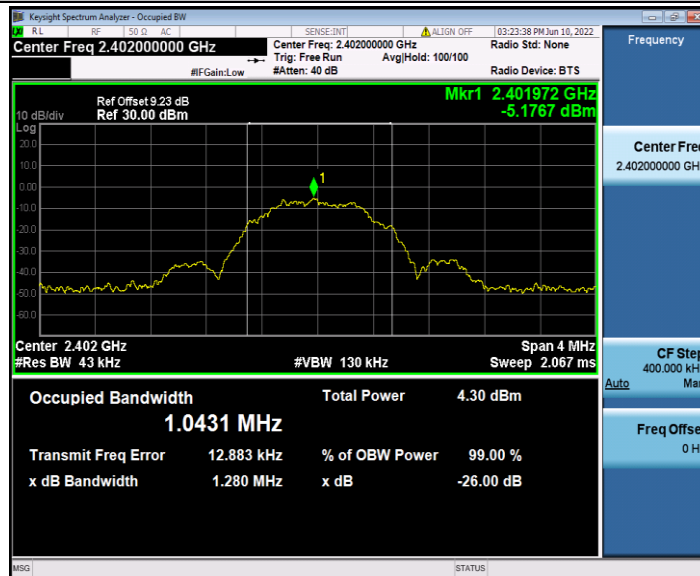
Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	1.0431	2401.491	2402.534	---	---
		2440	1.0399	2439.492	2440.532	---	---
		2480	1.0374	2479.494	2480.531	---	---

Test Graphs

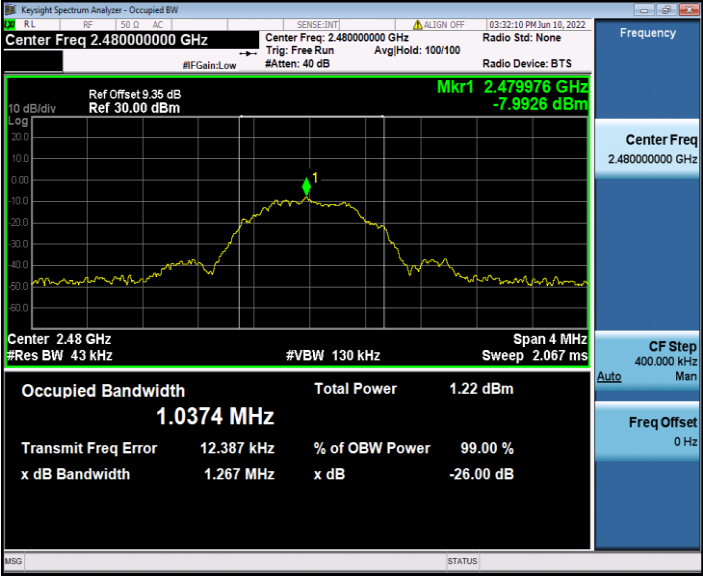
BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



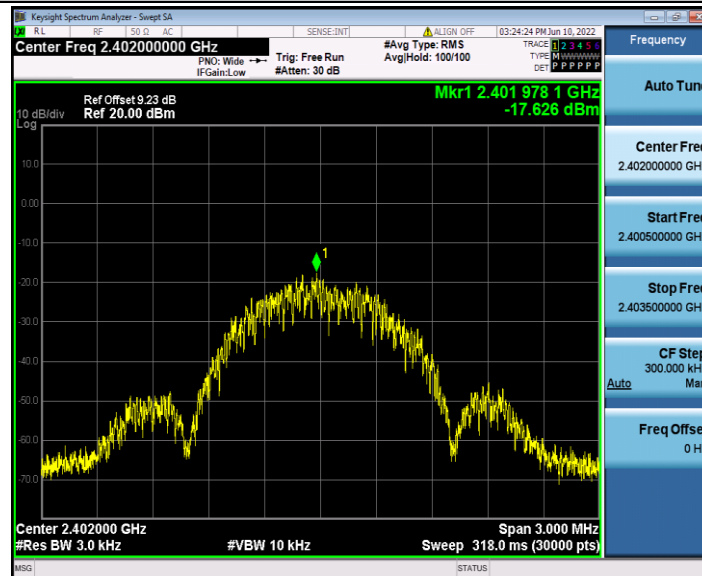
Appendix B.3: Maximum power spectral density

Test Result

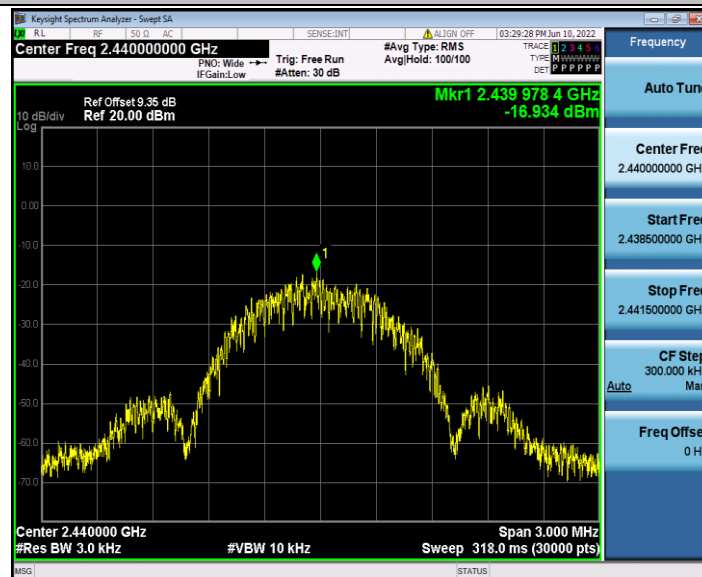
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_BT4.0	Ant1	2402	-17.63	≤8.00	PASS
		2440	-16.93	≤8.00	PASS
		2480	-20.18	≤8.00	PASS

Test Graphs

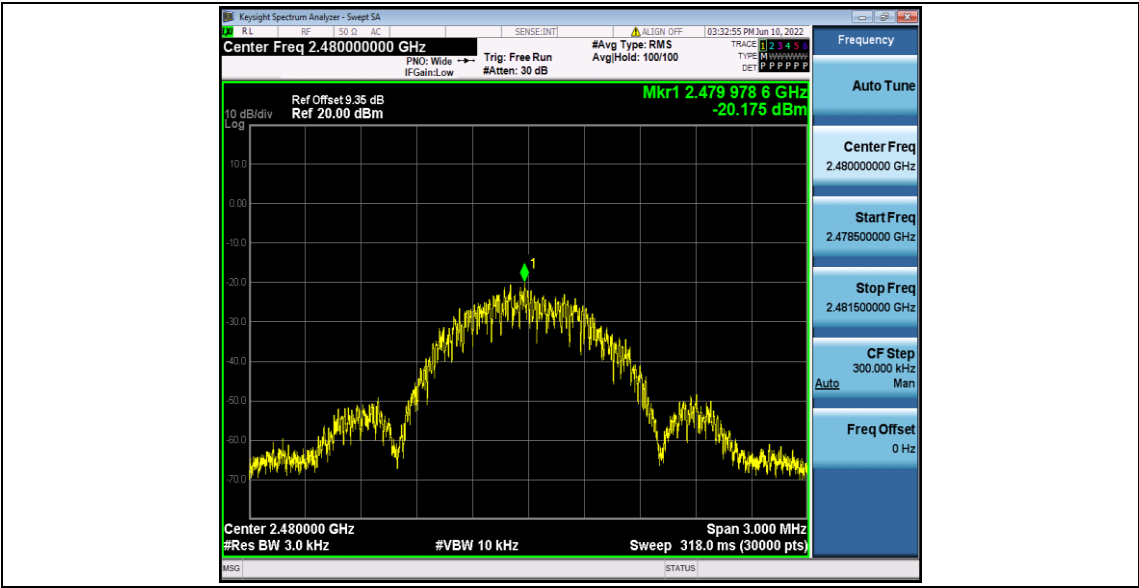
BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



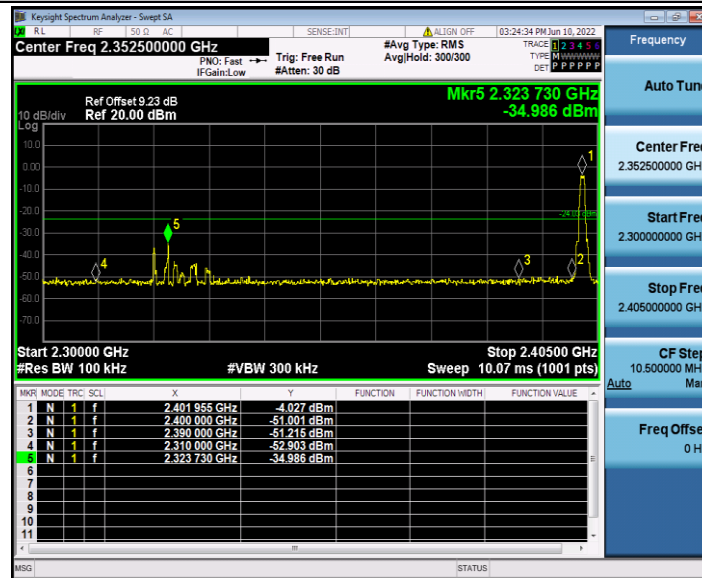
Appendix B.4: Band edge measurements

Test Result

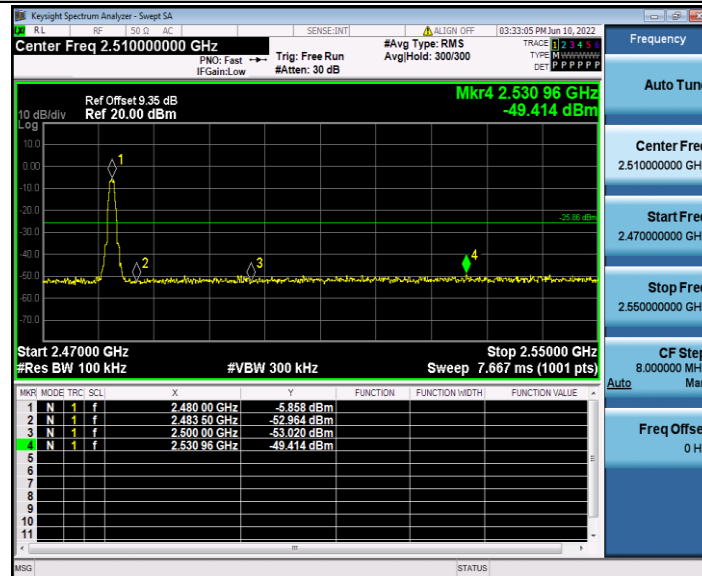
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	-4.03	-34.99	≤-24.03	PASS
		High	2480	-5.86	-49.41	≤-25.86	PASS

Test Graphs

BLE_BT4.0_Ant1_Low_2402



BLE_BT4.0_Ant1_High_2480



Appendix B.5: Conducted Spurious Emission

Test Result

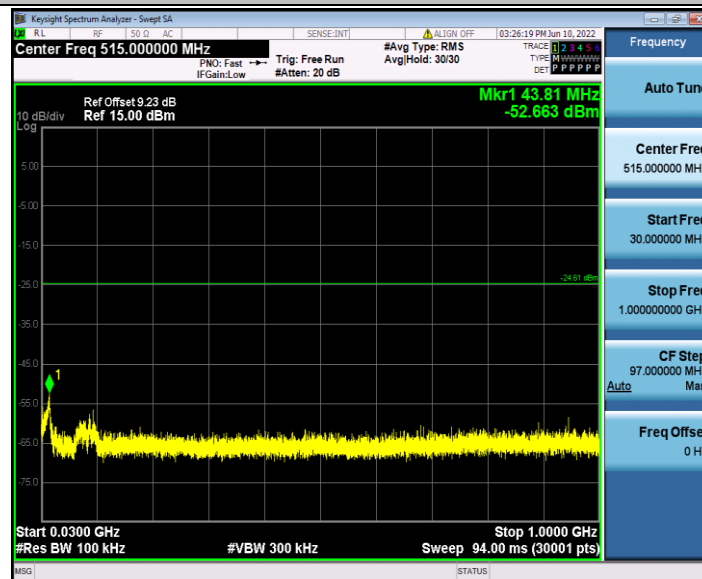
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	Reference	-4.61	-4.61	---	PASS
			30~1000	-4.61	-52.66	≤-24.61	PASS
			1000~26500	-4.61	-47.47	≤-24.61	PASS
		2440	Reference	-2.98	-2.98	---	PASS
			30~1000	-2.98	-37.69	≤-22.98	PASS
			1000~26500	-2.98	-46.03	≤-22.98	PASS
		2480	Reference	-6.36	-6.36	---	PASS
			30~1000	-6.36	-53.19	≤-26.36	PASS
			1000~26500	-6.36	-46.77	≤-26.36	PASS

Test Graphs

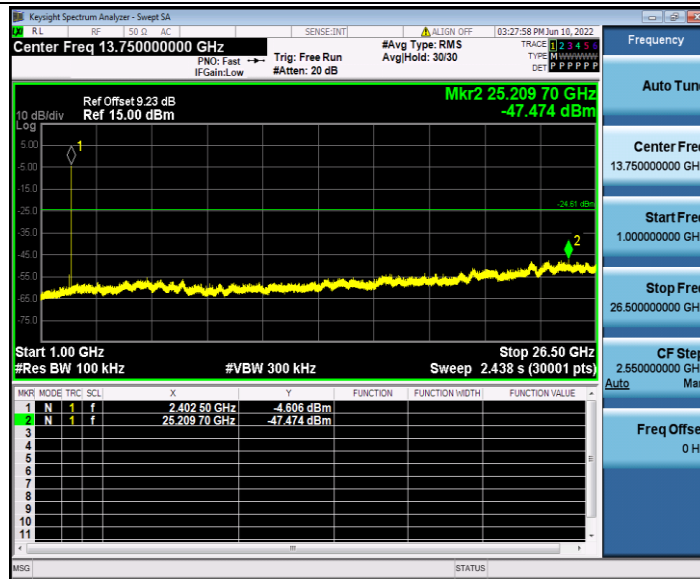
BLE_BT4.0_Ant1_2402_0~Reference



BLE_BT4.0_Ant1_2402_30~1000



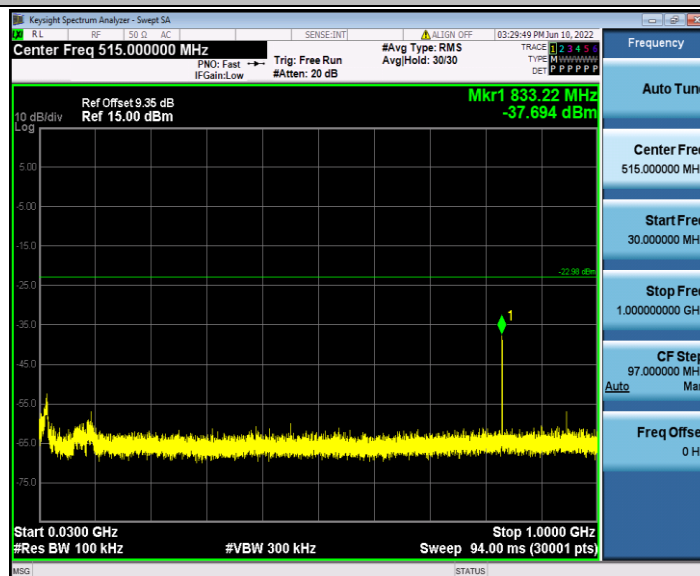
BLE_BT4.0_Ant1_2402_1000~26500



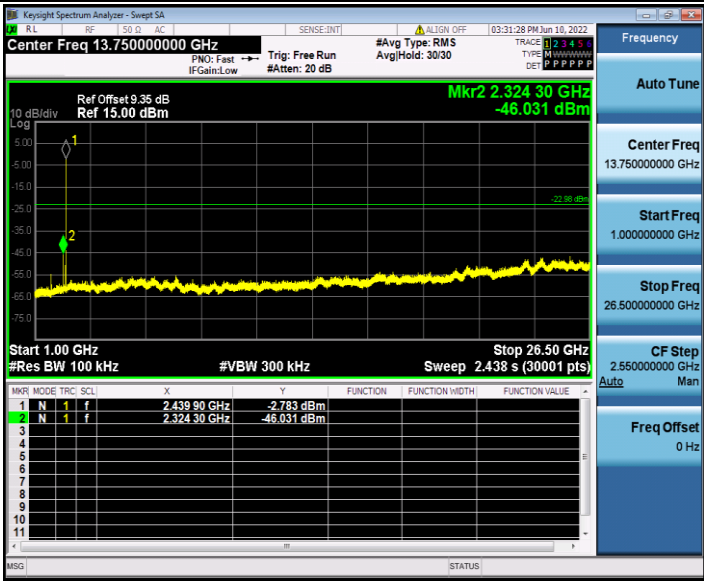
BLE_BT4.0_Ant1_2440_0~Reference



BLE_BT4.0_Ant1_2440_30~1000



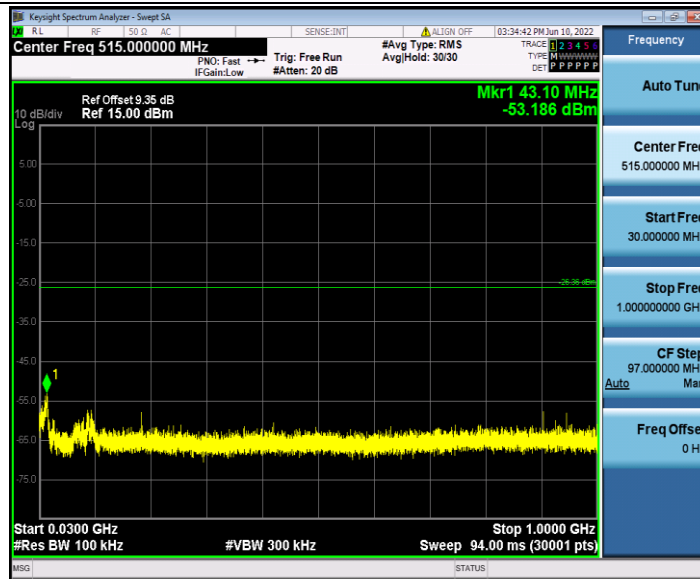
BLE_BT4.0_Ant1_2440_1000~26500



BLE_BT4.0_Ant1_2480_0~Reference



BLE_BT4.0_Ant1_2480_30~1000



BLE_BT4.0_Ant1_2480_1000~26500

