

Case No. : <u>GTS20220510015-1-2</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH,	
Test Date: <u>2022.5.26</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	0.688	2401.660	2402.348	0.5	PASS
		2440	0.656	2439.684	2440.340	0.5	PASS
		2480	0.688	2479.656	2480.344	0.5	PASS

Test Graphs

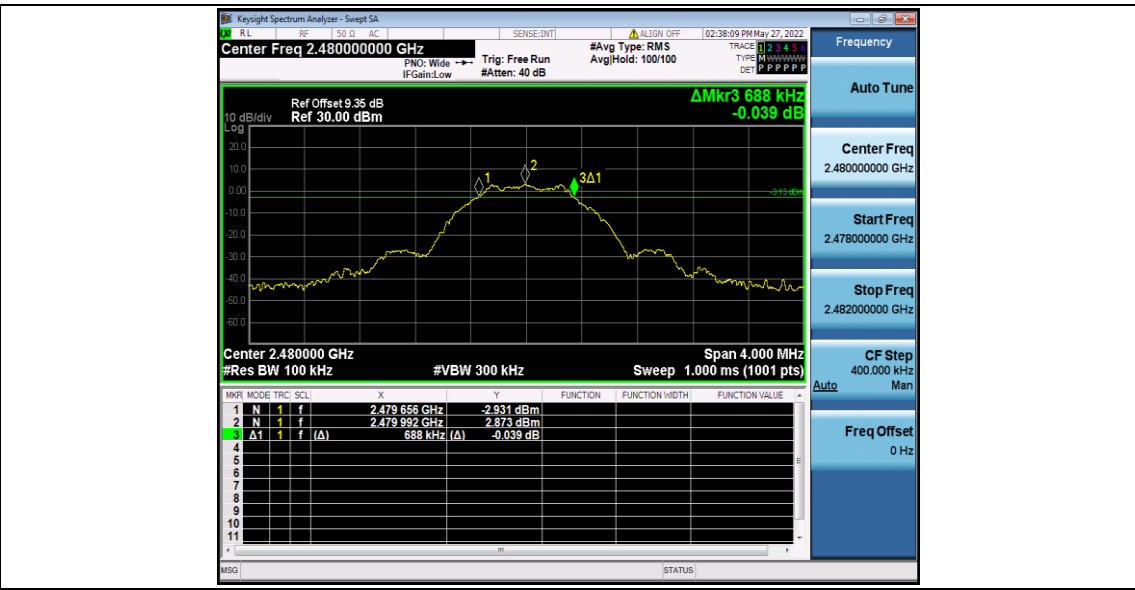
BLE_BT4.0_Ant1_2402



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	1.0290	2401.494	2402.523	---	---
		2440	1.0333	2439.493	2440.527	---	---
		2480	1.0270	2479.491	2480.518	---	---

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



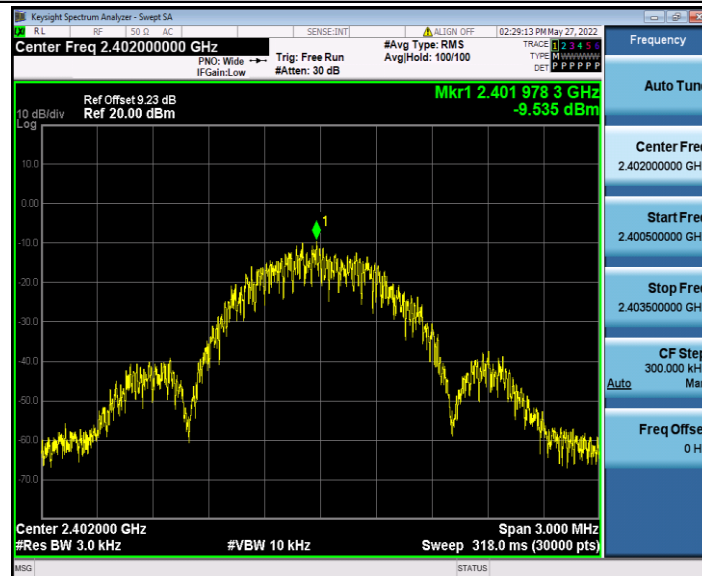
Appendix B.3: Maximum power spectral density

Test Result

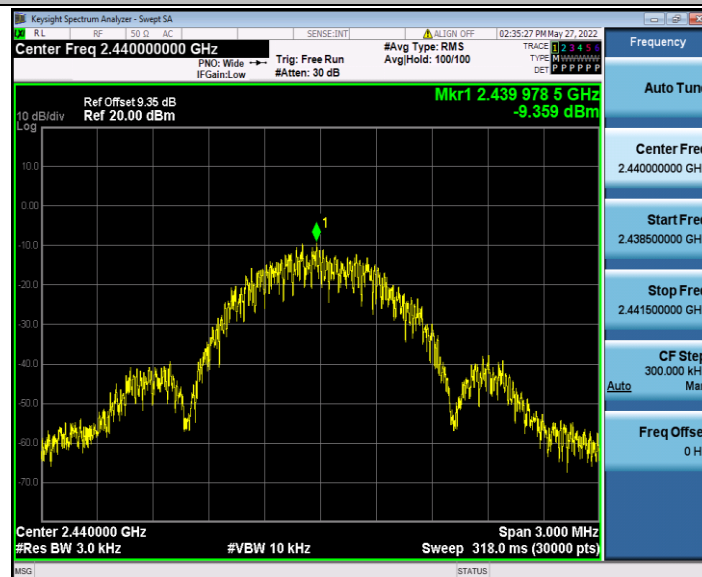
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_BT4.0	Ant1	2402	-9.54	≤8.00	PASS
		2440	-9.36	≤8.00	PASS
		2480	-11.07	≤8.00	PASS

Test Graphs

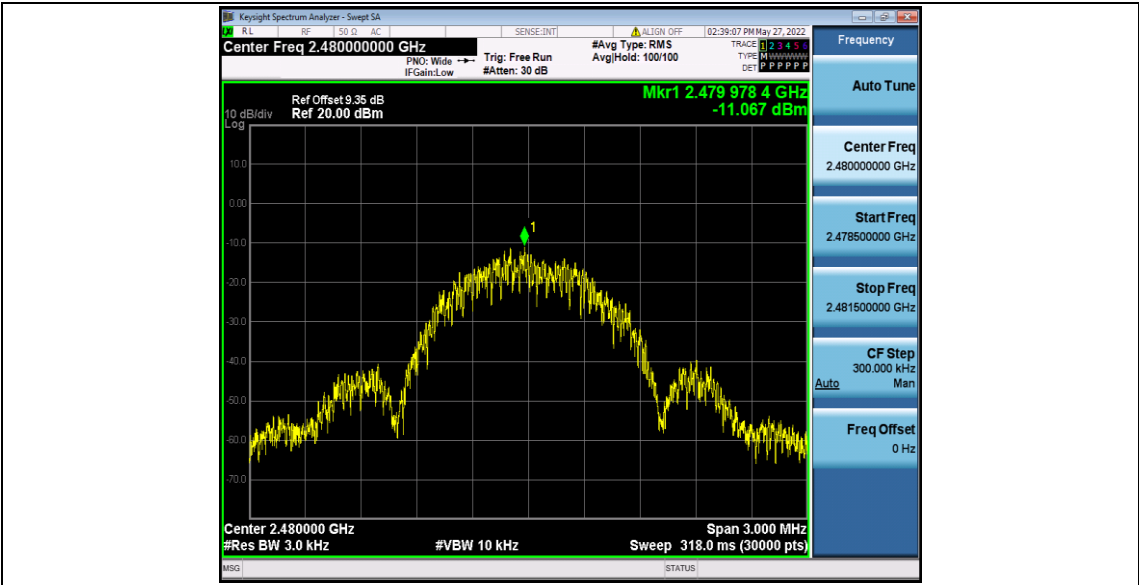
BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



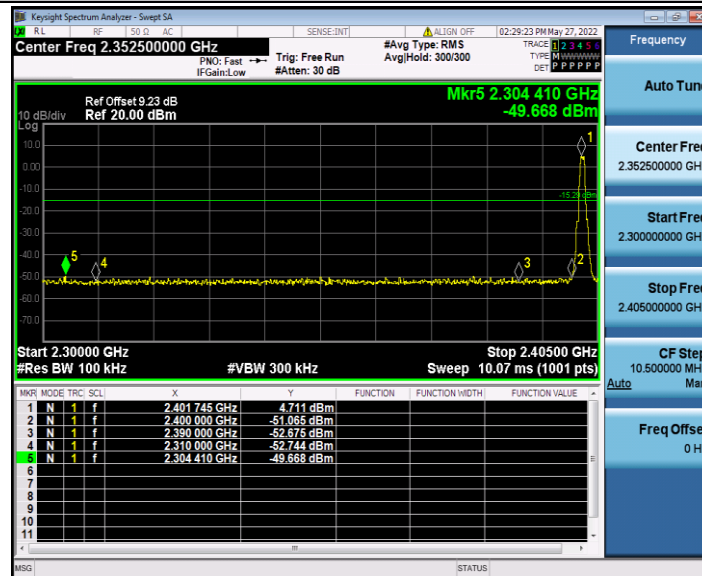
Appendix B.4: Band edge measurements

Test Result

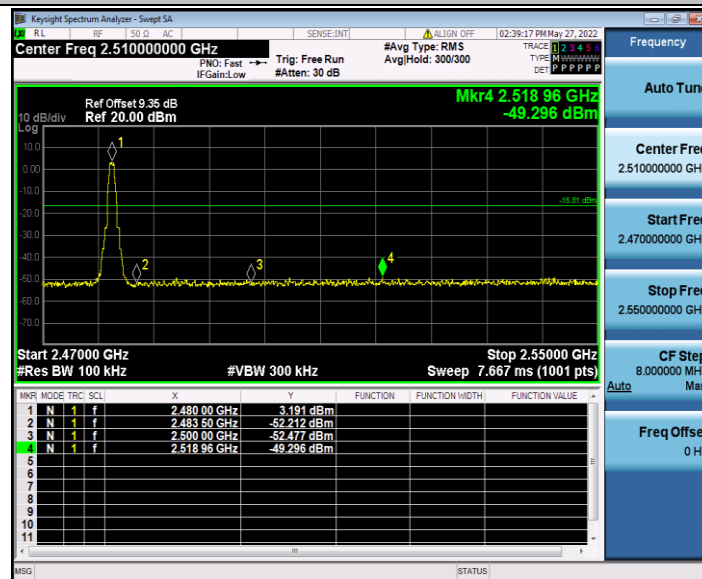
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	4.71	-49.67	≤-15.29	PASS
		High	2480	3.19	-49.3	≤-16.81	PASS

Test Graphs

BLE_BT4.0_Ant1_Low_2402



BLE_BT4.0_Ant1_High_2480



Appendix B.5: Conducted Spurious Emission

Test Result

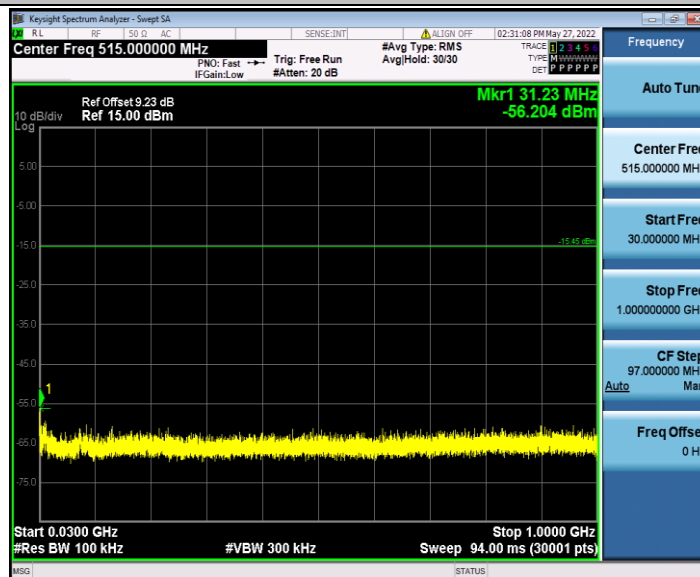
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	Reference	4.55	4.55	---	PASS
			30~1000	4.55	-56.2	≤-15.45	PASS
			1000~26500	4.55	-47.62	≤-15.45	PASS
		2440	Reference	4.40	4.40	---	PASS
			30~1000	4.40	-58.99	≤-15.6	PASS
			1000~26500	4.40	-47.61	≤-15.6	PASS
		2480	Reference	2.92	2.92	---	PASS
			30~1000	2.92	-55.9	≤-17.08	PASS
			1000~26500	2.92	-48.03	≤-17.08	PASS

Test Graphs

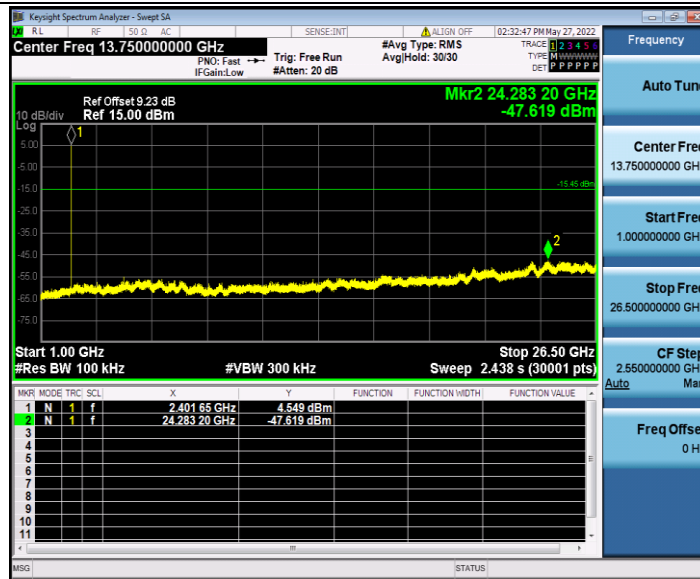
BLE_BT4.0_Ant1_2402_0~Reference



BLE_BT4.0_Ant1_2402_30~1000



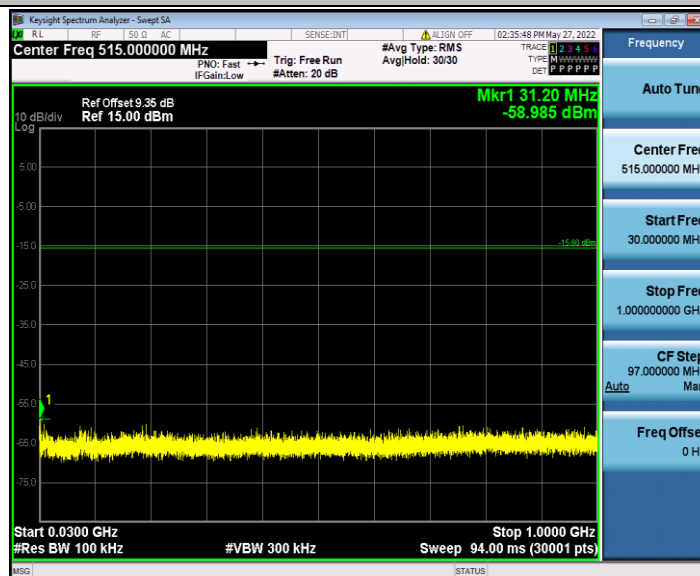
BLE_BT4.0_Ant1_2402_1000~26500



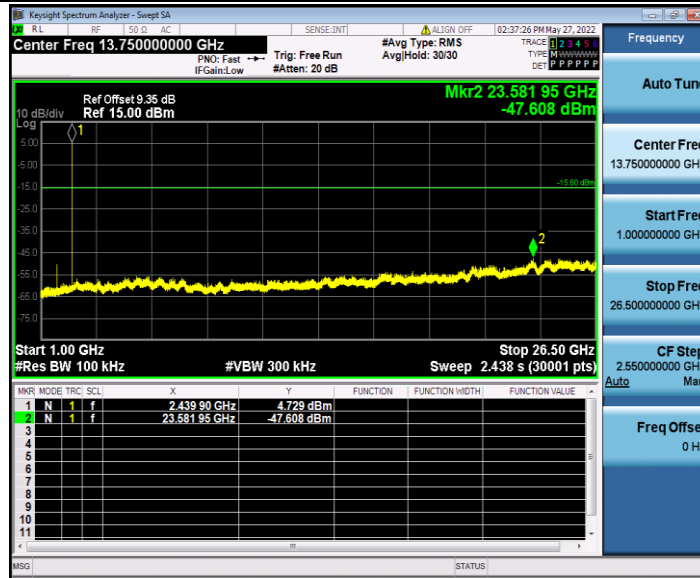
BLE_BT4.0_Ant1_2440_0-Reference



BLE_BT4.0_Ant1_2440_30~1000



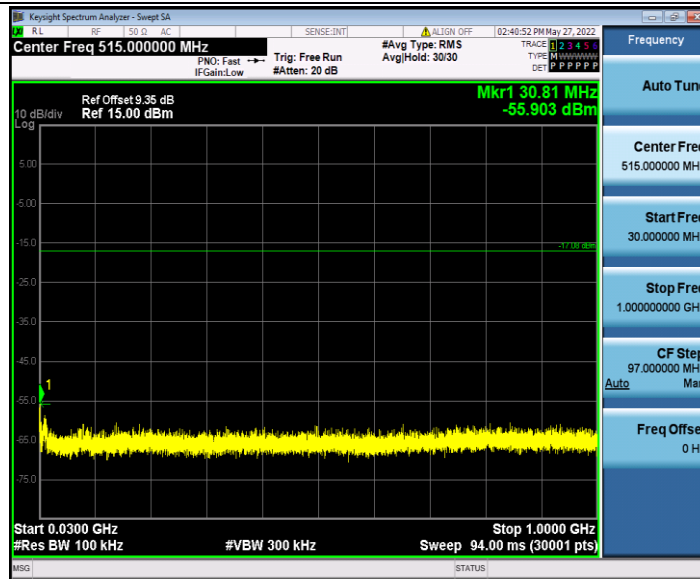
BLE_BT4.0_Ant1_2440_1000~26500



BLE_BT4.0_Ant1_2480_0~Reference



BLE_BT4.0_Ant1_2480_30~1000



BLE_BT4.0_Ant1_2480_1000~26500

