

Case No. : <u>GTS20220524012-1-9</u>	
Ambient Condition: <u>25</u> °C, <u>42</u> %RH,	
Test Date: <u>2022.6.9</u>	Test Engineer: <u>Jenny Zeng</u>

Appendix B.1: DTS Bandwidth

Test Result

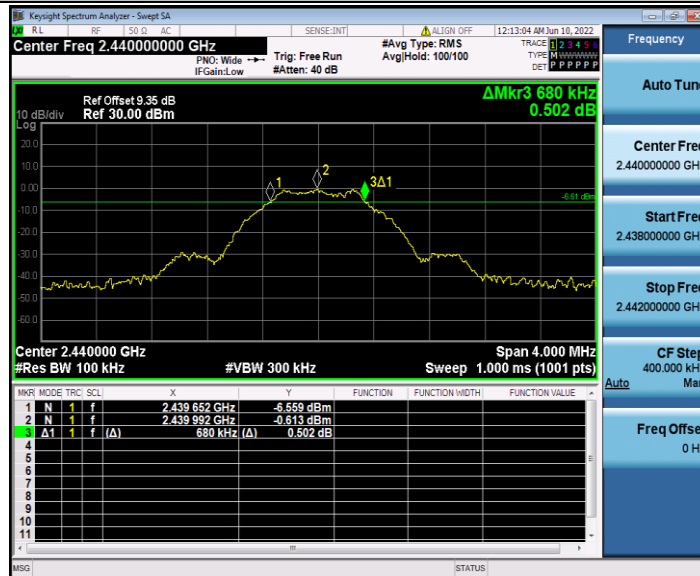
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	0.700	2401.644	2402.344	0.5	PASS
		2440	0.680	2439.652	2440.332	0.5	PASS
		2480	0.688	2479.648	2480.336	0.5	PASS

Test Graphs

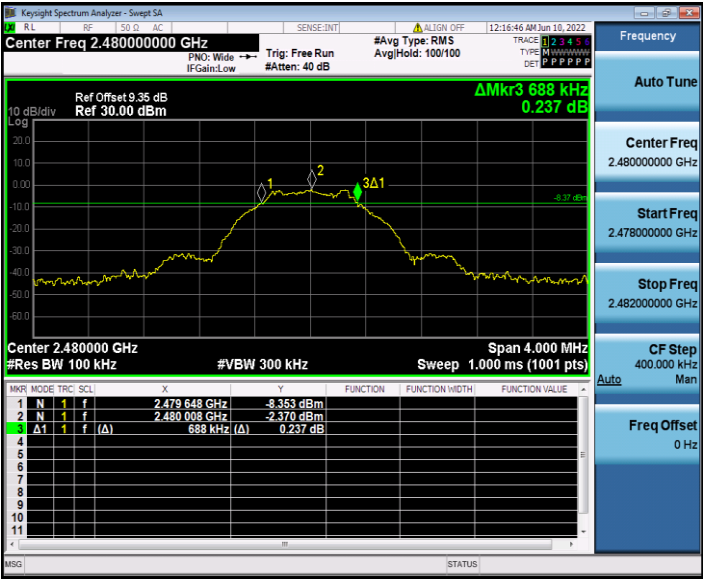
BLE_BT4.0_Ant1_2402



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	1.0384	2401.492	2402.531	---	---
		2440	1.0401	2439.492	2440.532	---	---
		2480	1.0360	2479.493	2480.529	---	---

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



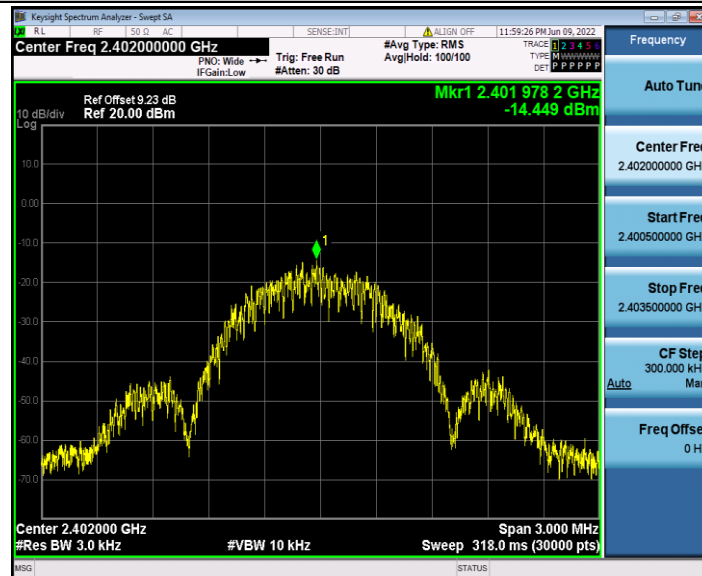
Appendix B.3: Maximum power spectral density

Test Result

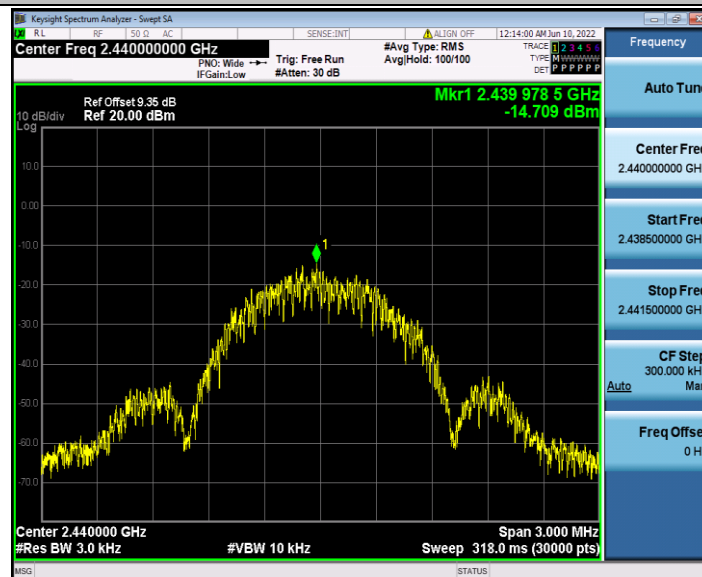
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_BT4.0	Ant1	2402	-14.45	≤8.00	PASS
		2440	-14.71	≤8.00	PASS
		2480	-16.36	≤8.00	PASS

Test Graphs

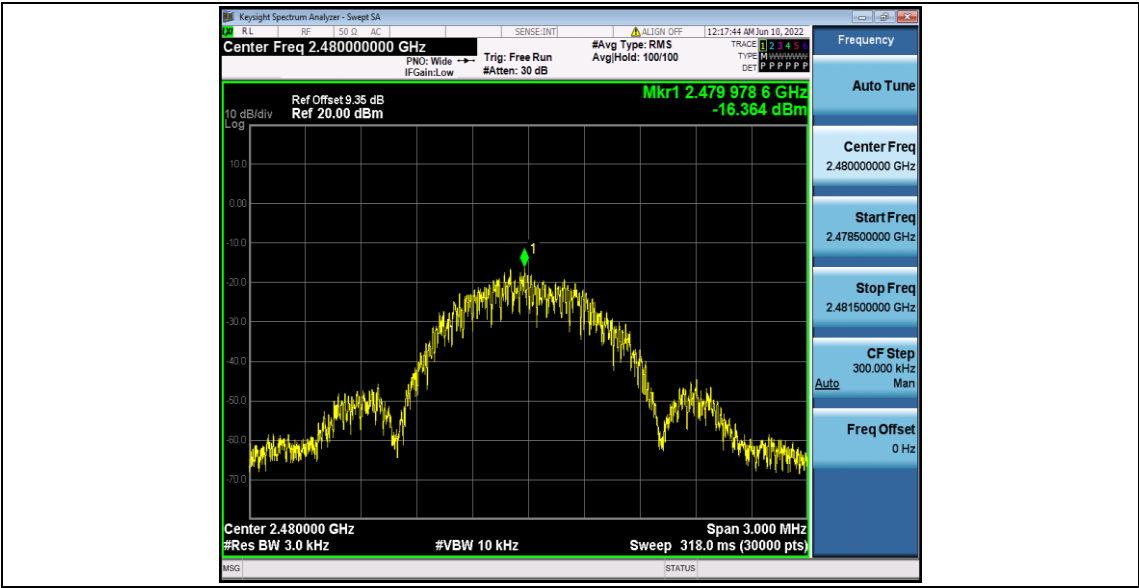
BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



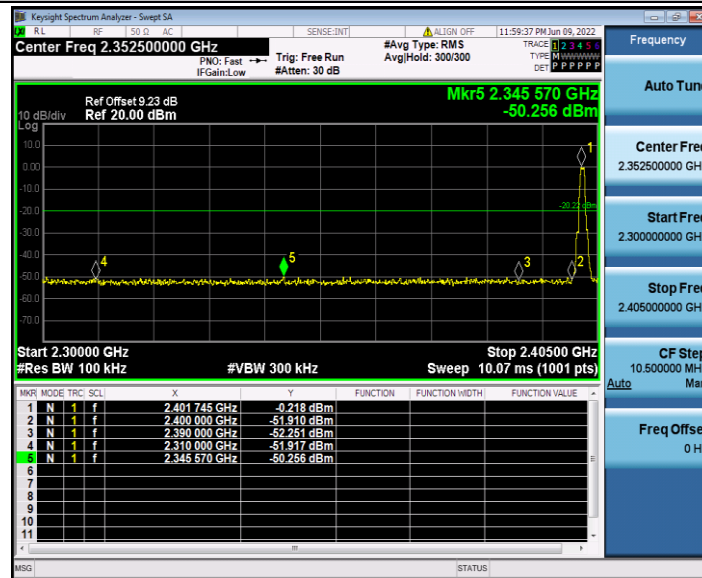
Appendix B.4: Band edge measurements

Test Result

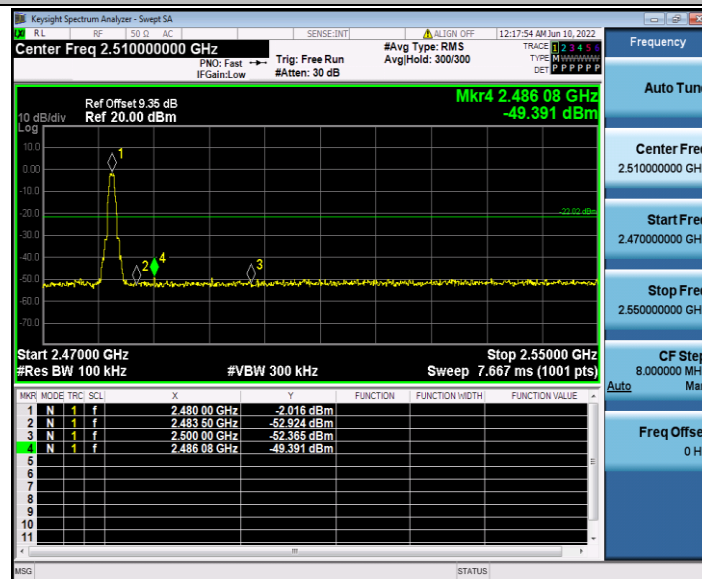
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	-0.22	-50.26	≤-20.22	PASS
		High	2480	-2.02	-49.39	≤-22.02	PASS

Test Graphs

BLE_BT4.0_Ant1_Low_2402



BLE_BT4.0_Ant1_High_2480



Appendix B.5: Conducted Spurious Emission

Test Result

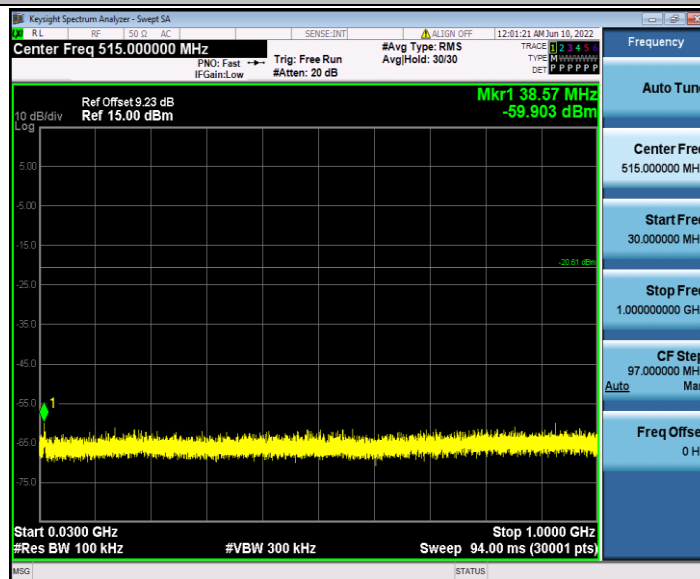
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	Reference	-0.61	-0.61	---	PASS
			30~1000	-0.61	-59.9	≤-20.61	PASS
			1000~26500	-0.61	-46.9	≤-20.61	PASS
		2440	Reference	-0.71	-0.71	---	PASS
			30~1000	-0.71	-60.17	≤-20.71	PASS
			1000~26500	-0.71	-47.4	≤-20.71	PASS
		2480	Reference	-2.21	-2.21	---	PASS
			30~1000	-2.21	-60.33	≤-22.21	PASS
			1000~26500	-2.21	-47.58	≤-22.21	PASS

Test Graphs

BLE_BT4.0_Ant1_2402_0~Reference



BLE_BT4.0_Ant1_2402_30~1000



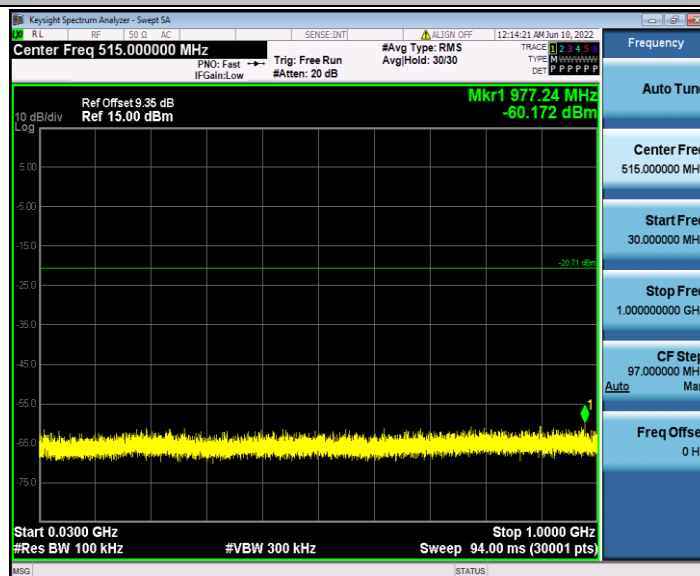
BLE_BT4.0_Ant1_2402_1000~26500



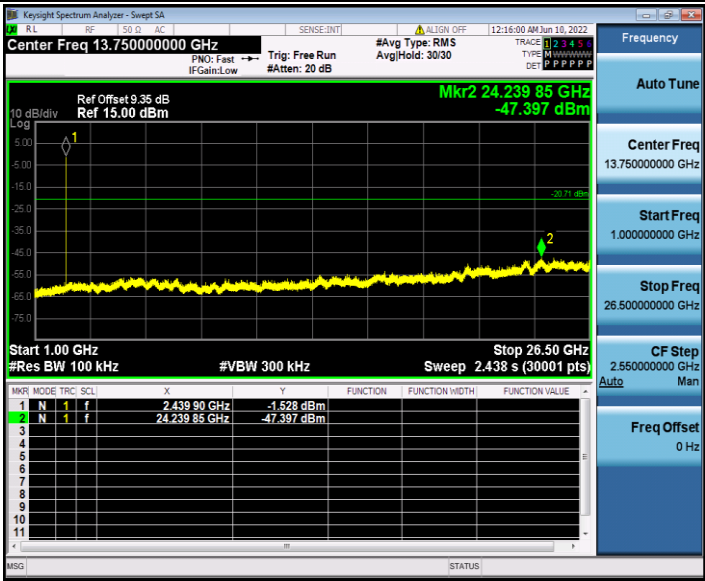
BLE_BT4.0_Ant1_2440_0-Reference



BLE_BT4.0_Ant1_2440_30~1000



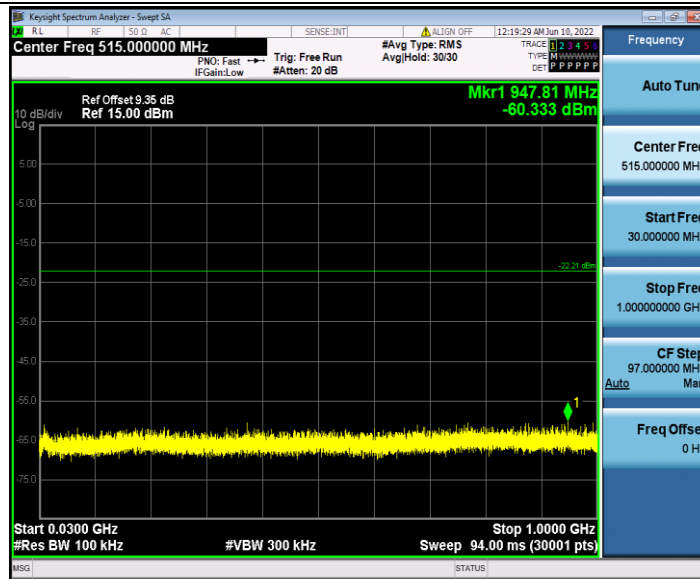
BLE_BT4.0_Ant1_2440_1000-26500



BLE_BT4.0_Ant1_2480_0-Reference



BLE_BT4.0_Ant1_2480_30-1000



BLE_BT4.0_Ant1_2480_1000~26500

