

Case No. : <u>GTS20220107010-1-2</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH,	
Test Date: <u>2022.4.27</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	Ant1	2402	0.564	2401.664	2402.228	0.5	PASS
		2440	0.512	2439.668	2440.180	0.5	PASS
		2480	0.508	2479.676	2480.184	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	Ant1	2402	1.0405	2401.495	2402.536	---	---
		2440	1.0257	2439.494	2440.520	---	---
		2480	1.0501	2479.481	2480.531	---	---

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



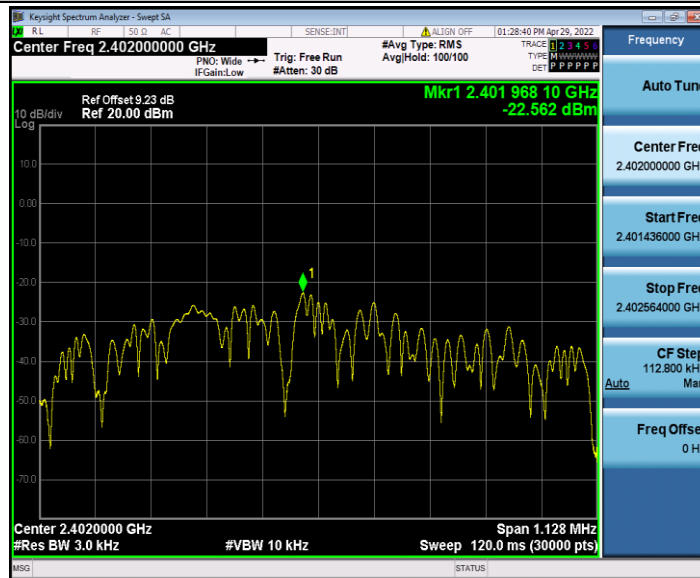
Appendix B.3: Maximum power spectral density

Test Result

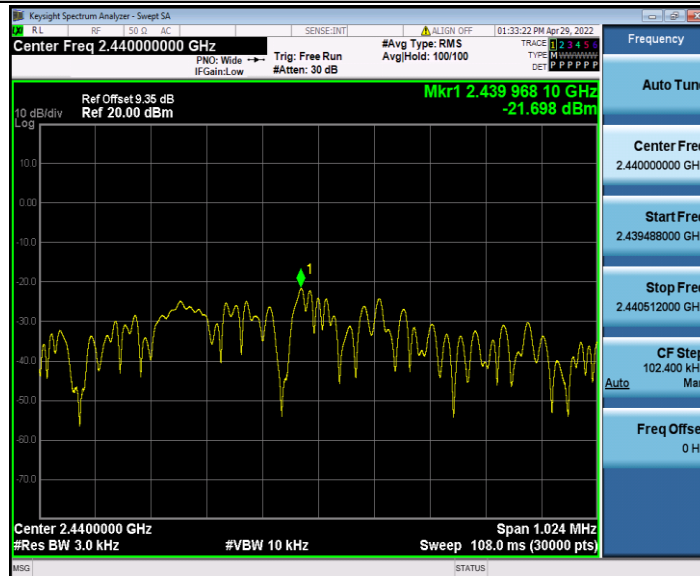
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-22.56	≤8.00	PASS
		2440	-21.70	≤8.00	PASS
		2480	-20.93	≤8.00	PASS

Test Graphs

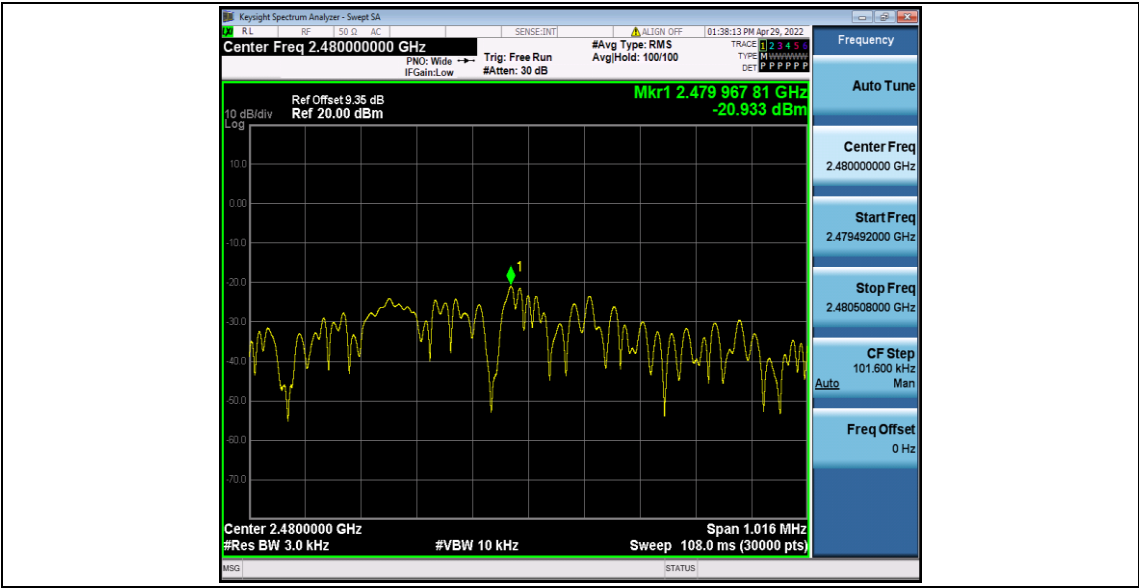
BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



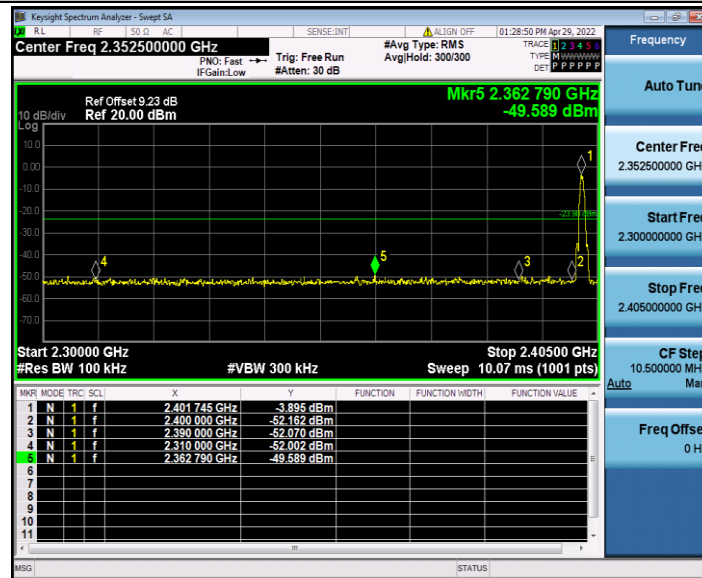
Appendix B.4: Band edge measurements

Test Result

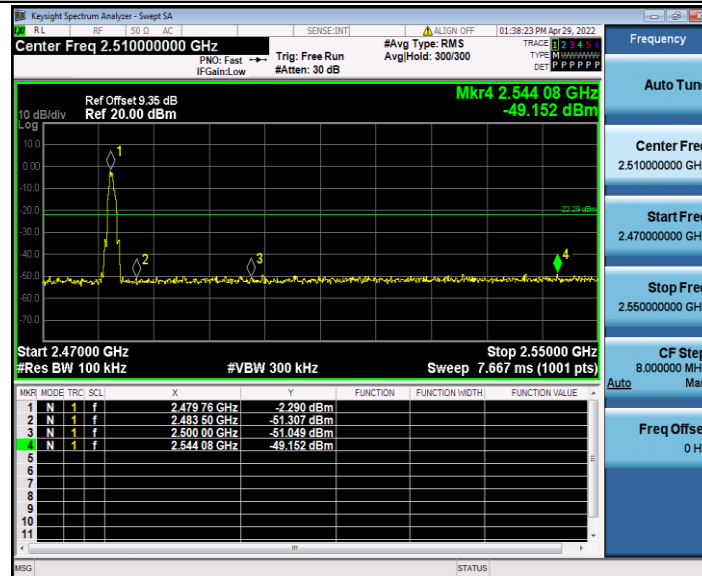
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-3.90	-49.59	≤-23.9	PASS
		High	2480	-2.29	-49.15	≤-22.29	PASS

Test Graphs

BLE_BT4.0_Ant1_Low_2402



BLE_BT4.0_Ant1_High_2480



Appendix B.5: Conducted Spurious Emission

Test Result

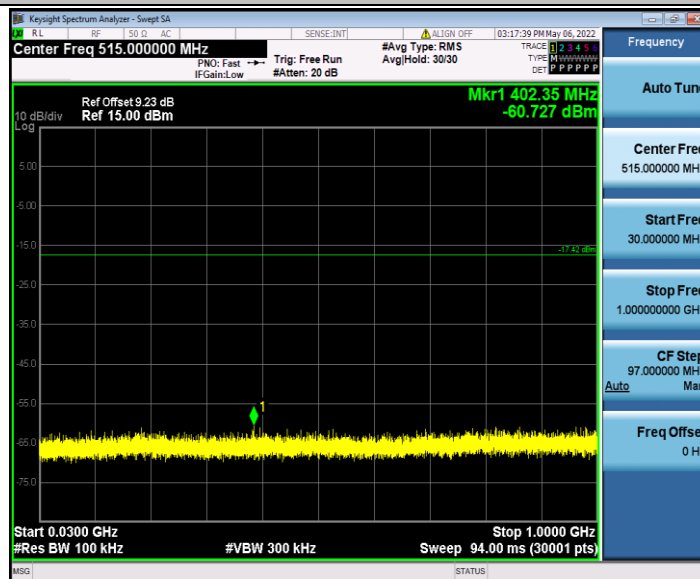
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	2.58	2.58	---	PASS
			30~1000	2.58	-60.73	≤-17.42	PASS
			1000~26500	2.58	-47.46	≤-17.42	PASS
		2440	Reference	-3.46	-3.46	---	PASS
			30~1000	-3.46	-60.99	≤-23.46	PASS
			1000~26500	-3.46	-47.46	≤-23.46	PASS
		2480	Reference	-2.97	-2.97	---	PASS
			30~1000	-2.97	-60.46	≤-22.97	PASS
			1000~26500	-2.97	-47.89	≤-22.97	PASS

Test Graphs

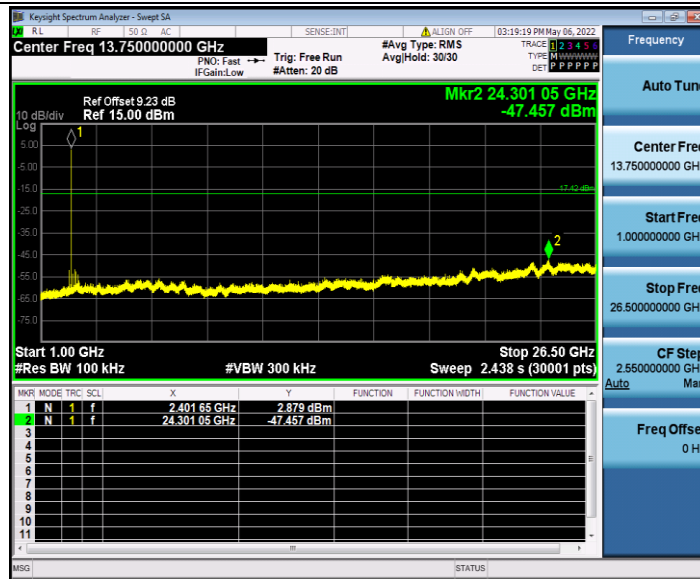
BLE_BT4.0_Ant1_2402_0~Reference



BLE_BT4.0_Ant1_2402_30~1000



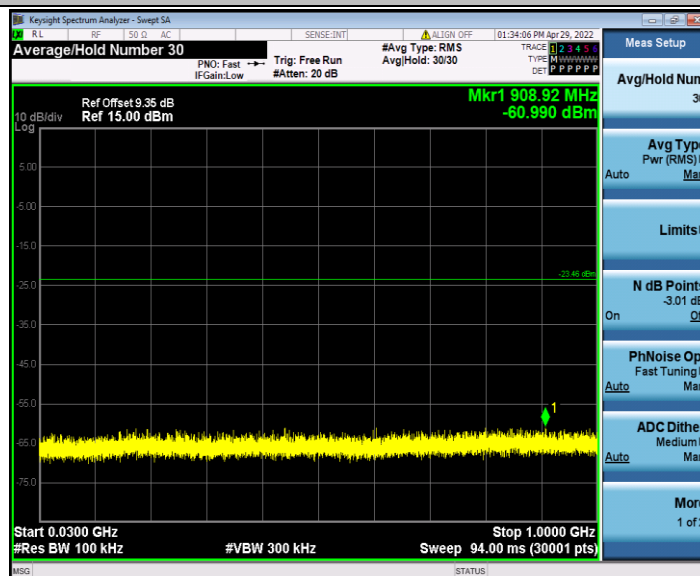
BLE_BT4.0_Ant1_2402_1000~26500



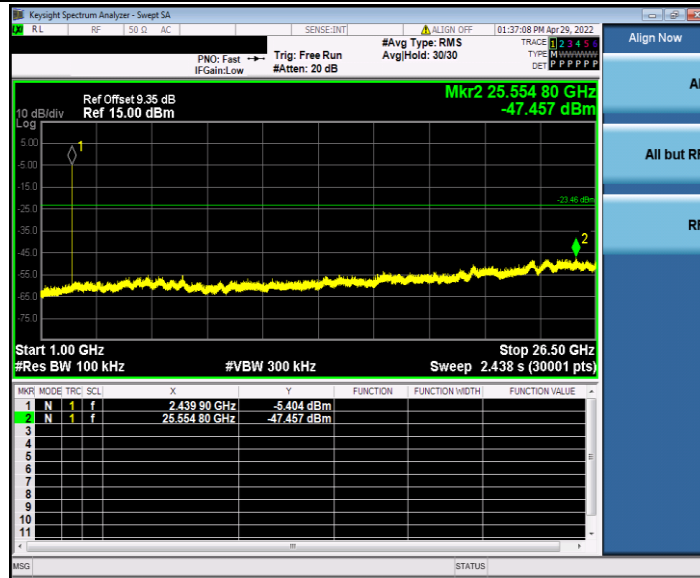
BLE_BT4.0_Ant1_2440_0~Reference



BLE_BT4.0_Ant1_2440_30~1000



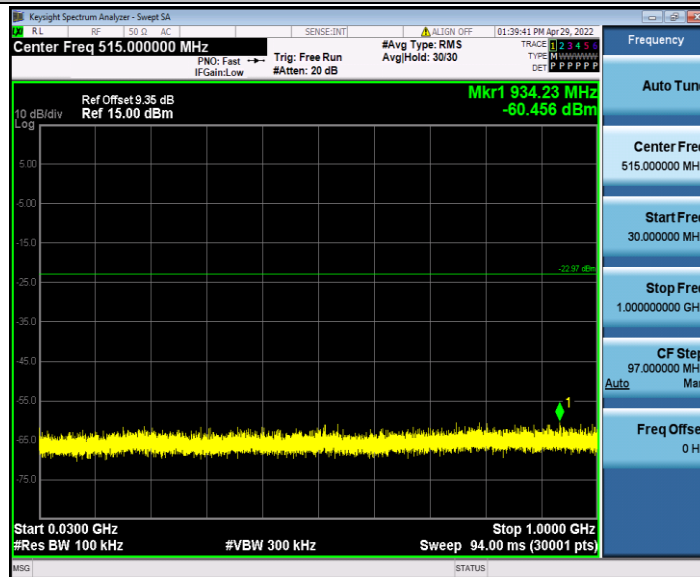
BLE_BT4.0_Ant1_2440_1000~26500



BLE_BT4.0_Ant1_2480_0~Reference



BLE_BT4.0_Ant1_2480_30~1000



BLE_BT4.0_Ant1_2480_1000~26500

