

Case No. : <u>GTS20220510015-1-7</u>	
Ambient Condition: <u>24</u> °C, <u>42</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	0.620	2401.700	2402.320	0.5	PASS
		2440	0.676	2439.656	2440.332	0.5	PASS
		2480	0.664	2479.660	2480.324	0.5	PASS

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480

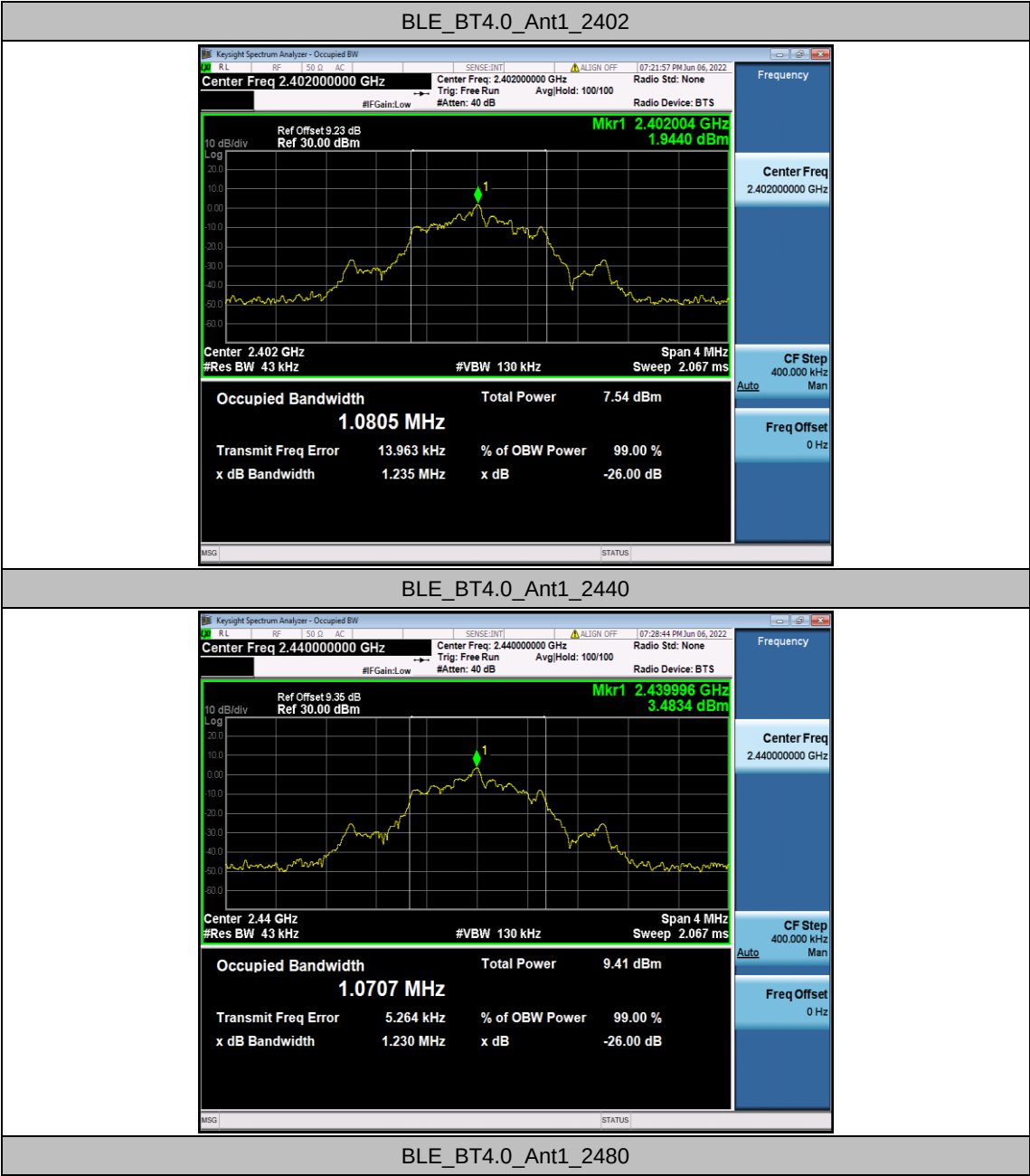


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	1.0805	2401.474	2402.554	---	---
		2440	1.0707	2439.470	2440.541	---	---
		2480	1.0782	2479.461	2480.540	---	---

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	1.12	≤8.00	PASS
		2440	2.65	≤8.00	PASS
		2480	2.20	≤8.00	PASS

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



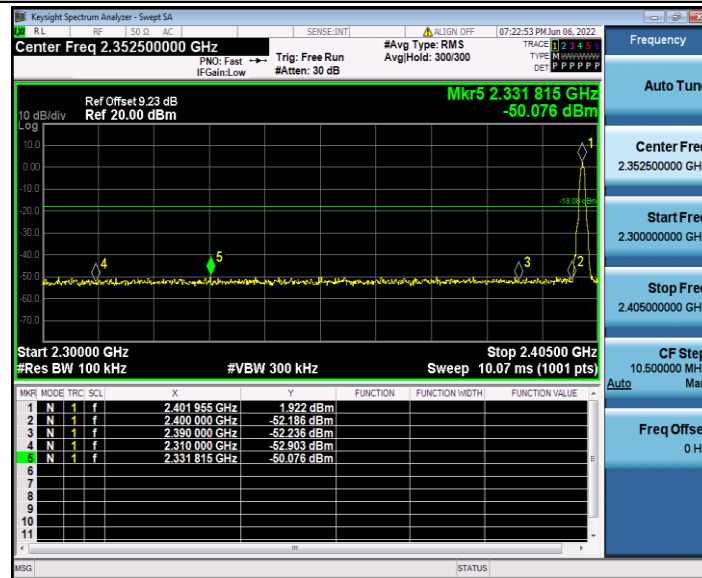
Appendix B.4: Band edge measurements

Test Result

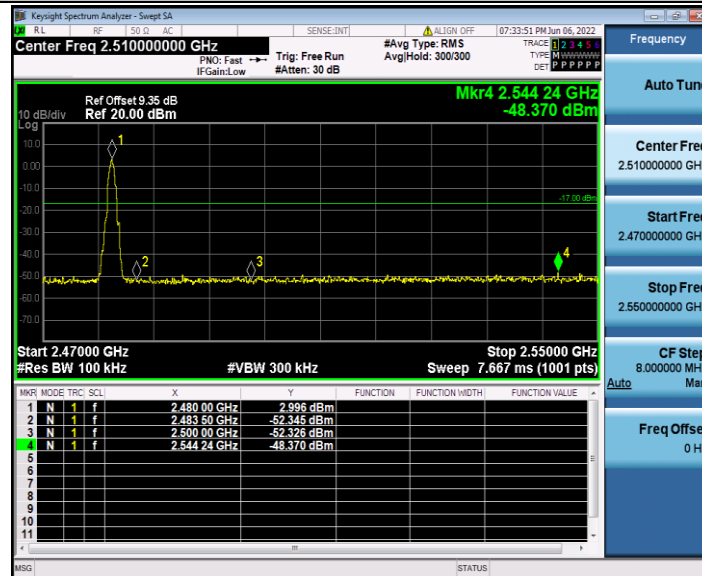
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	1.92	-50.08	≤-18.08	PASS
		High	2480	3.00	-48.37	≤-17	PASS

Test Graphs

BLE_BT4.0_Ant1_Low_2402



BLE_BT4.0_Ant1_High_2480



Appendix B.5: Conducted Spurious Emission

Test Result

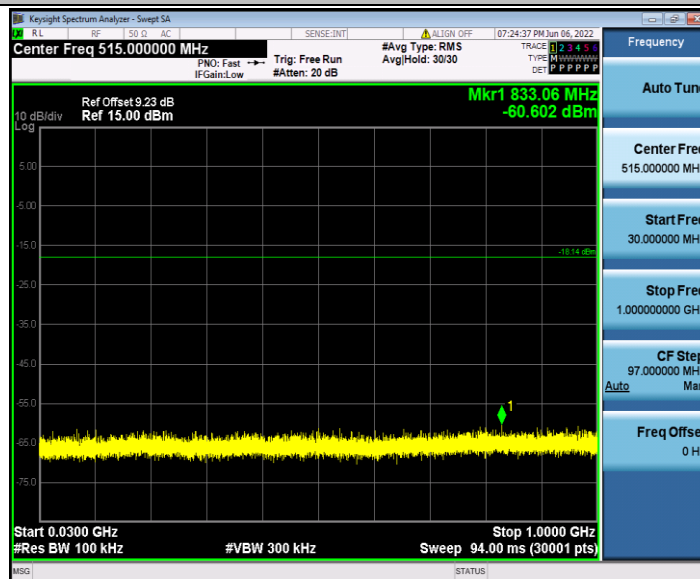
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-60.6	≤-18.14	PASS
			1000~26500	1.86	-47.74	≤-18.14	PASS
		2440	Reference	3.41	3.41	---	PASS
			30~1000	3.41	-60.7	≤-16.59	PASS
			1000~26500	3.41	-47.46	≤-16.59	PASS
		2480	Reference	2.95	2.95	---	PASS
			30~1000	2.95	-60.27	≤-17.05	PASS
			1000~26500	2.95	-47.25	≤-17.05	PASS

Test Graphs

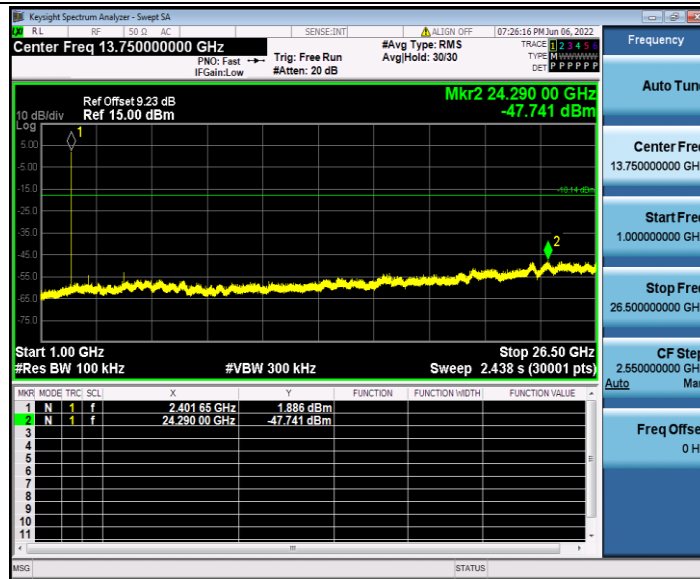
BLE_BT4.0_Ant1_2402_0~Reference



BLE_BT4.0_Ant1_2402_30~1000



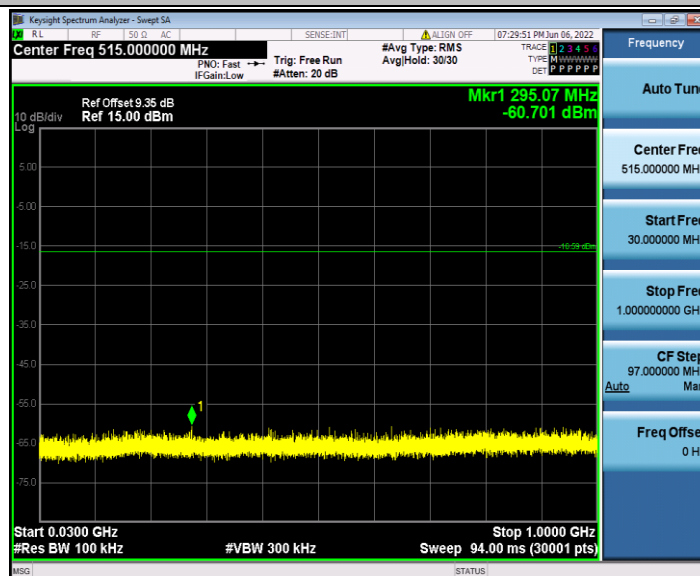
BLE_BT4.0_Ant1_2402_1000~26500



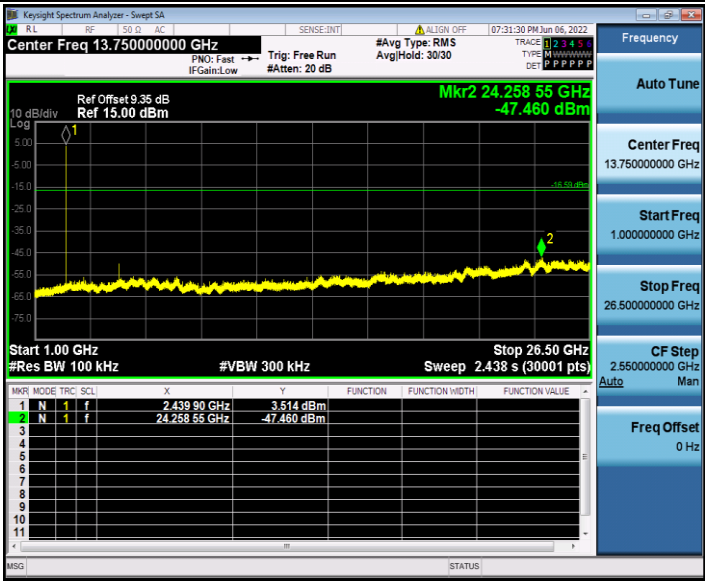
BLE_BT4.0_Ant1_2440_0~Reference



BLE_BT4.0_Ant1_2440_30~1000



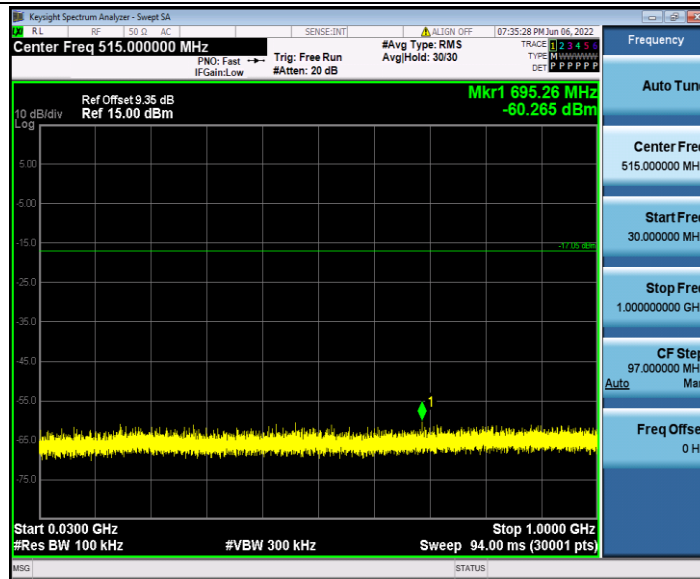
BLE_BT4.0_Ant1_2440_1000~26500



BLE_BT4.0_Ant1_2480_0~Reference



BLE_BT4.0_Ant1_2480_30~1000



BLE_BT4.0_Ant1_2480_1000~26500

