

Case No. : <u>GTS20220615008-1-1</u>	
Ambient Condition: <u>22</u> °C, <u>43</u> %RH,	
Test Date: <u>2022/6/22</u>	Test Engineer: <u>Jenny Zeng</u>

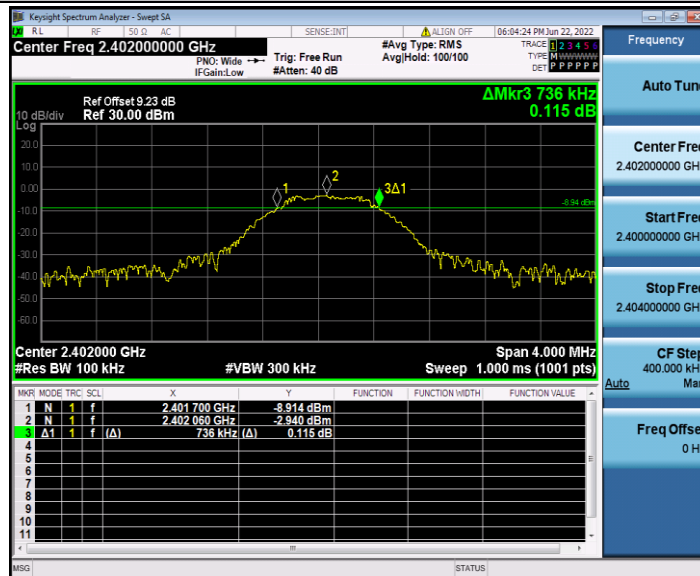
Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	0.736	2401.700	2402.436	0.5	PASS
		2440	0.696	2439.732	2440.428	0.5	PASS
		2480	0.716	2479.720	2480.436	0.5	PASS

Test Graphs

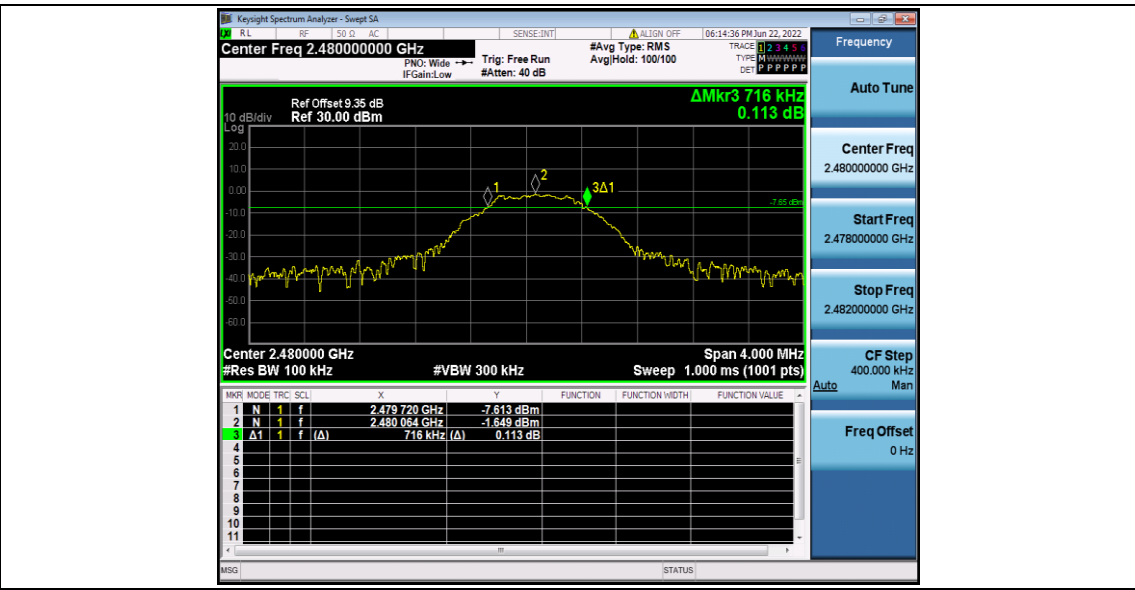
BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



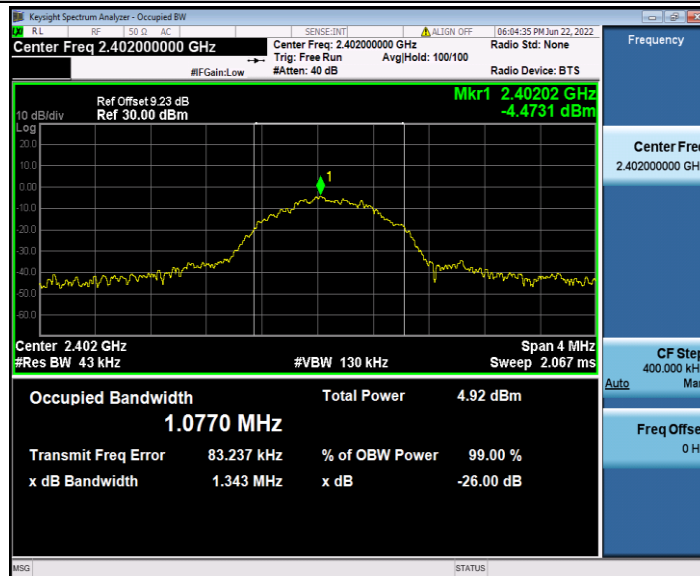
Appendix A.2: Occupied Channel Bandwidth

Test Result

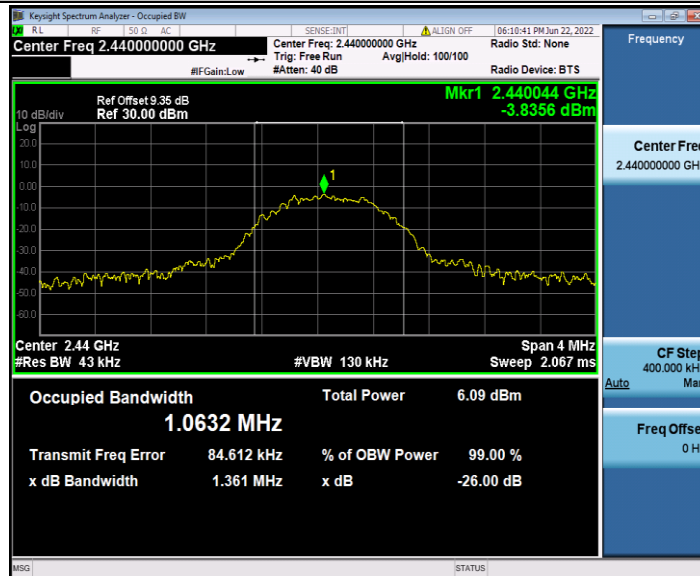
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	1.0770	2401.545	2402.622	---	---
		2440	1.0632	2439.553	2440.616	---	---
		2480	1.0650	2479.549	2480.614	---	---

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



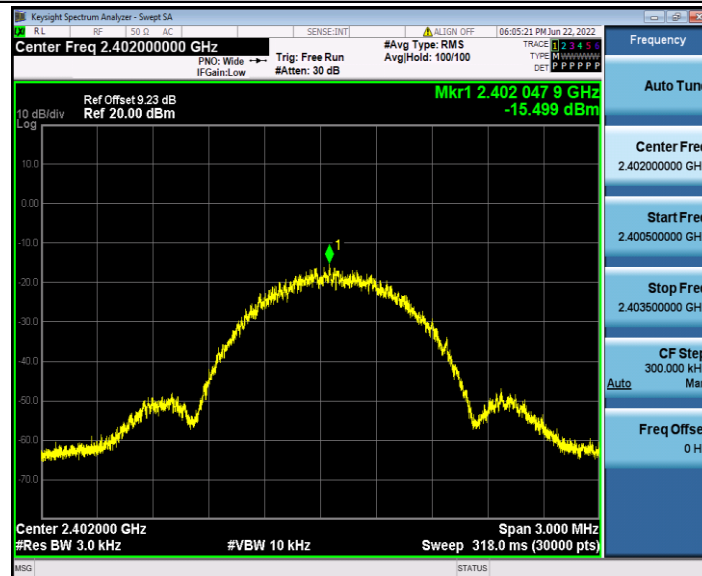
Appendix A.3: Maximum power spectral density

Test Result

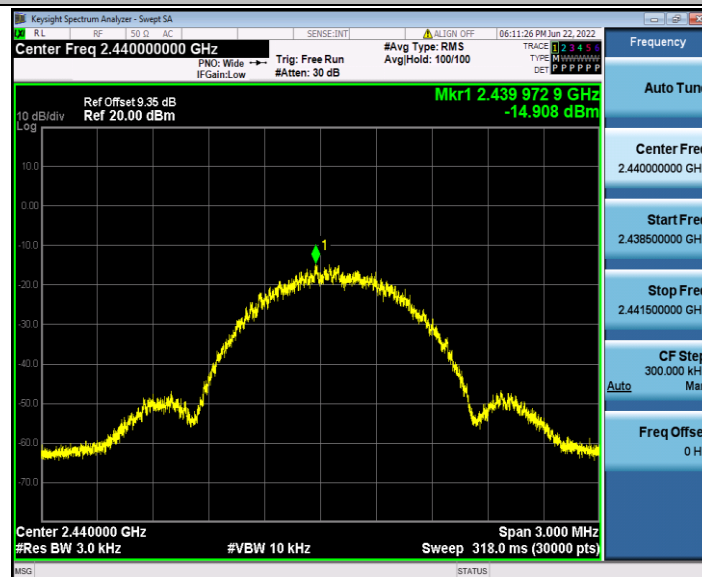
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_BT4.0	Ant1	2402	-15.50	≤8.00	PASS
		2440	-14.91	≤8.00	PASS
		2480	-14.37	≤8.00	PASS

Test Graphs

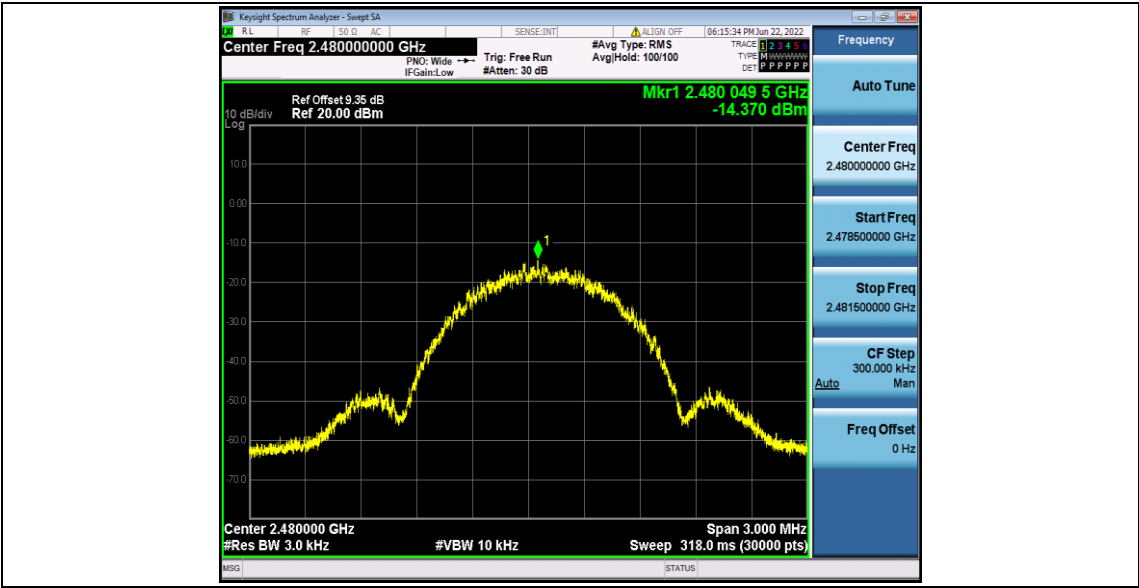
BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



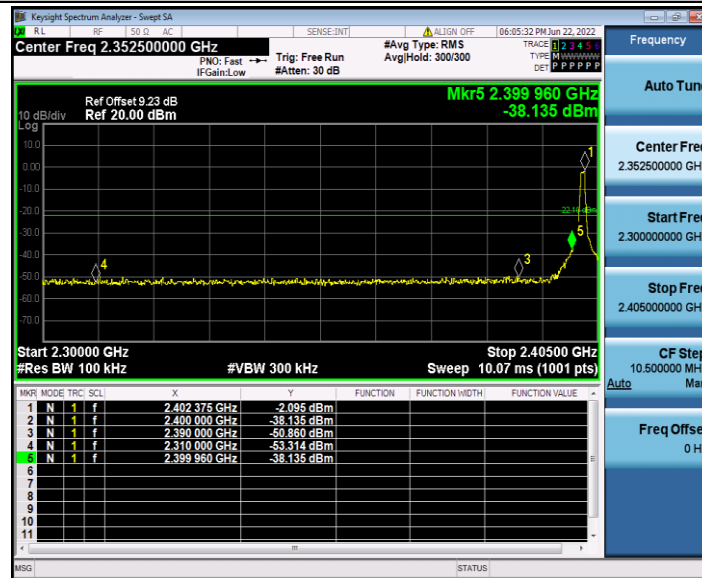
Appendix A.4: Band edge measurements

Test Result

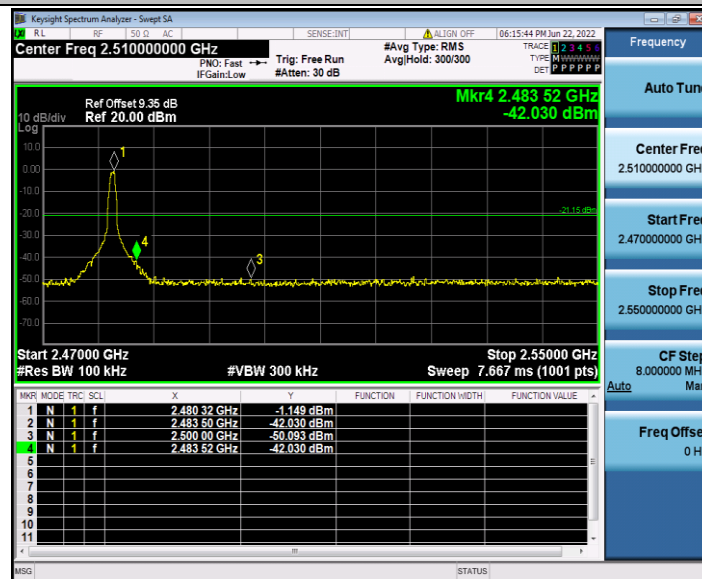
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	-2.10	-38.14	≤-22.10	PASS
		High	2480	-1.15	-42.03	≤-21.15	PASS

Test Graphs

BLE_BT4.0_Ant1_Low_2402



BLE_BT4.0_Ant1_High_2480



Appendix A.5: Conducted Spurious Emission

Test Result

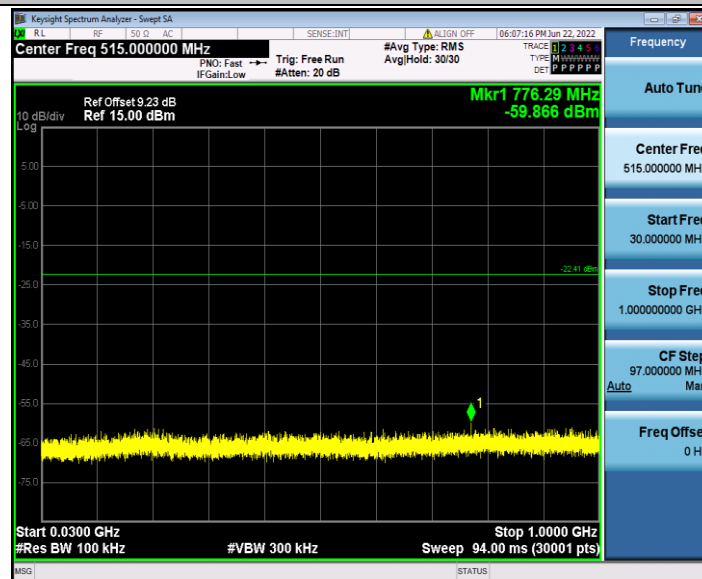
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	Reference	-2.41	-2.41	---	PASS
			30~1000	-2.41	-59.87	≤-22.41	PASS
			1000~26500	-2.41	-47.15	≤-22.41	PASS
		2440	Reference	-1.45	-1.45	---	PASS
			30~1000	-1.45	-60.07	≤-21.45	PASS
			1000~26500	-1.45	-47.46	≤-21.45	PASS
		2480	Reference	-1.55	-1.55	---	PASS
			30~1000	-1.55	-60.28	≤-21.55	PASS
			1000~26500	-1.55	-47.47	≤-21.55	PASS

Test Graphs

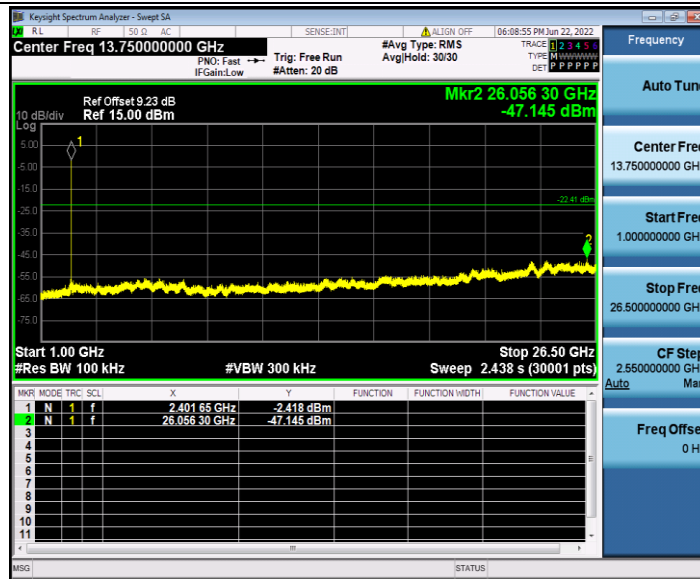
BLE_BT4.0_Ant1_2402_0~Reference



BLE_BT4.0_Ant1_2402_30~1000



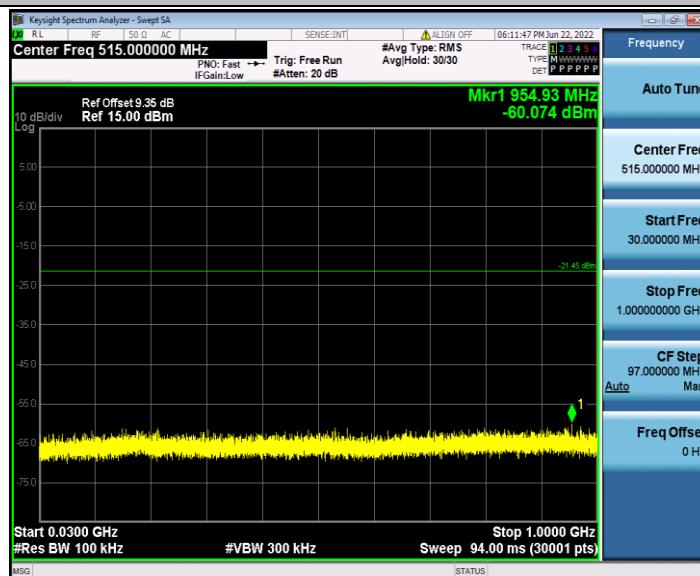
BLE_BT4.0_Ant1_2402_1000~26500



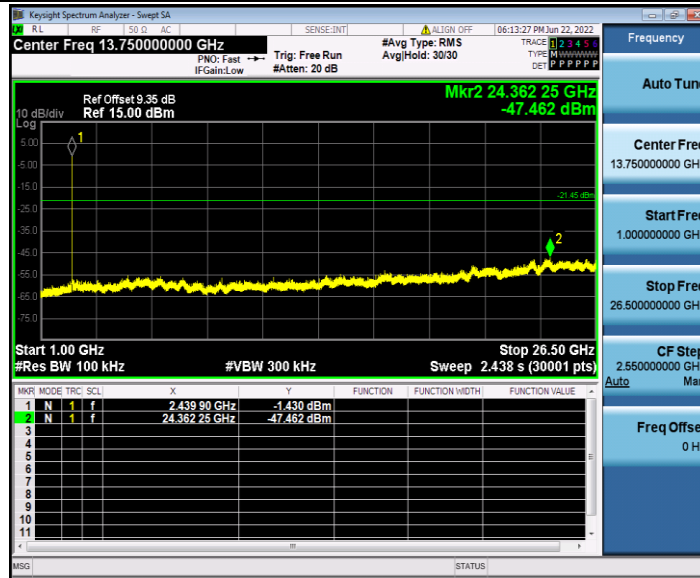
BLE_BT4.0_Ant1_2440_0-Reference



BLE_BT4.0_Ant1_2440_30~1000



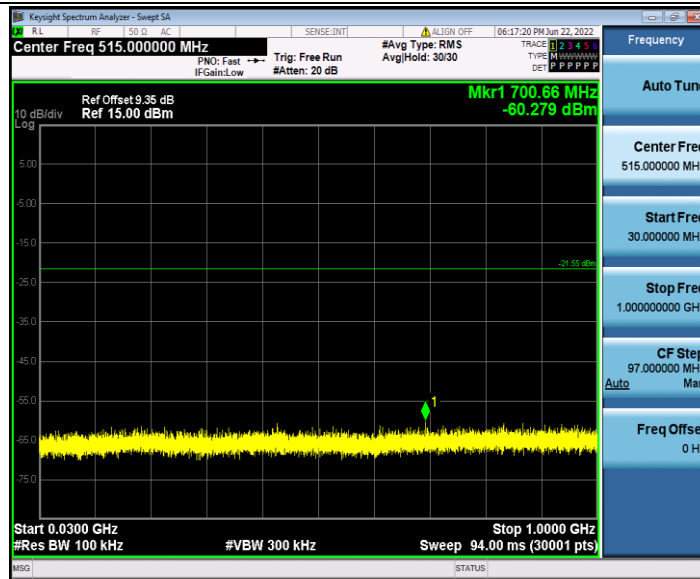
BLE_BT4.0_Ant1_2440_1000-26500



BLE_BT4.0_Ant1_2480_0-Reference



BLE_BT4.0_Ant1_2480_30-1000



BLE_BT4.0_Ant1_2480_1000~26500

