

Case No. : <u>GTS20211218008-1-15</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH,	
Test Date: <u>2022.6.27</u>	Test Engineer: <u>Jenny zeng</u>

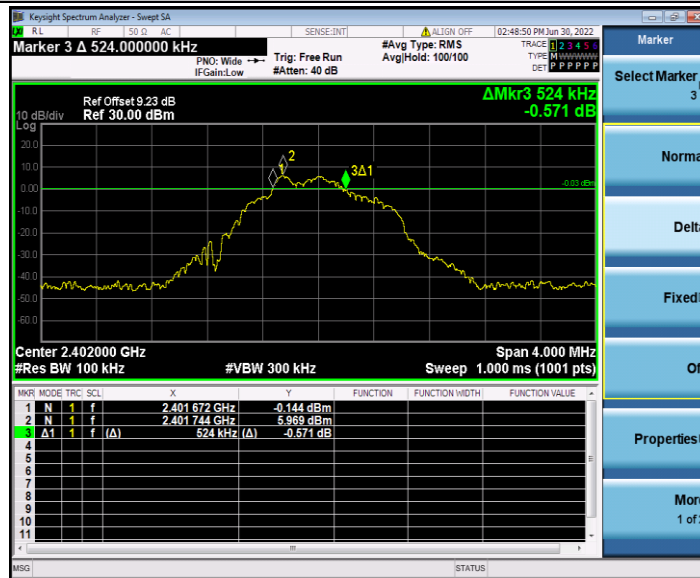
Appendix B.1: DTS Bandwidth

Test Result

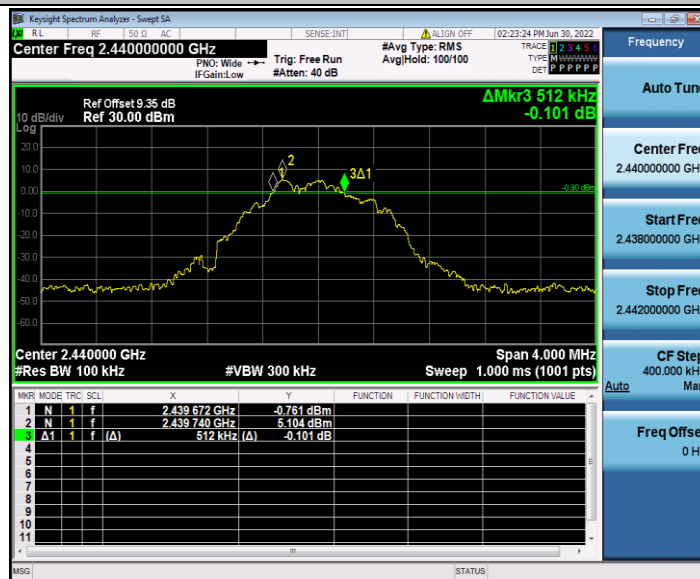
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	0.524	2401.676	2402.172	0.5	PASS
		2440	0.512	2439.672	2440.184	0.5	PASS
		2480	0.504	2479.676	2480.180	0.5	PASS

Test Graphs

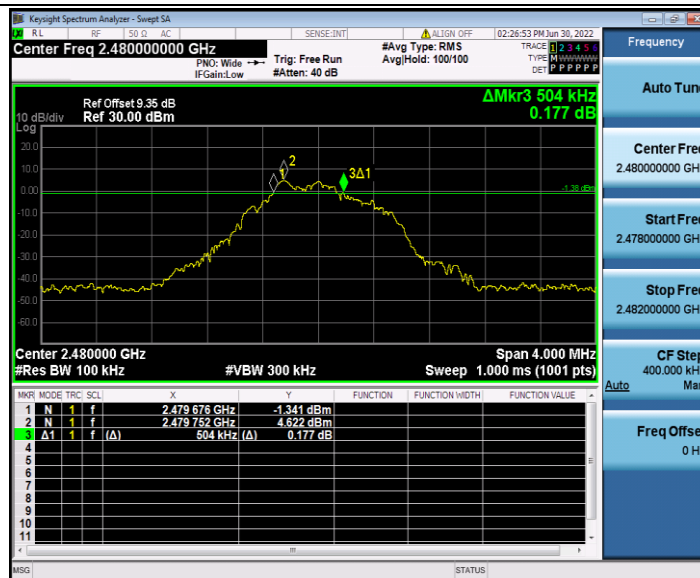
BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



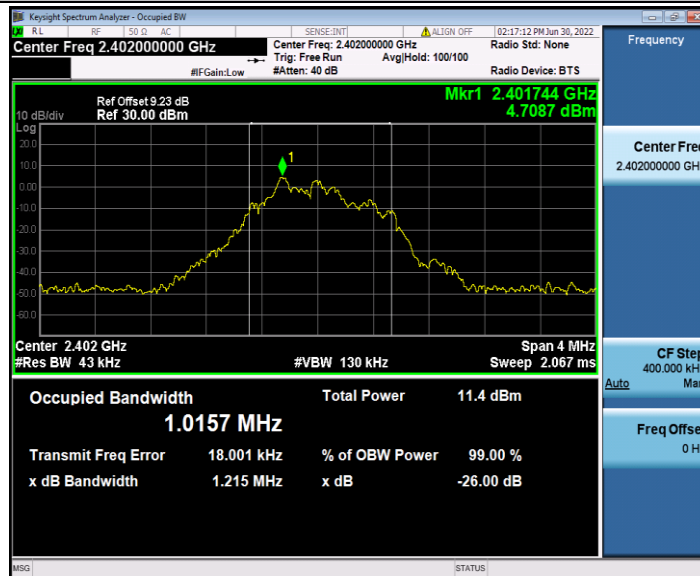
Appendix B.2: Occupied Channel Bandwidth

Test Result

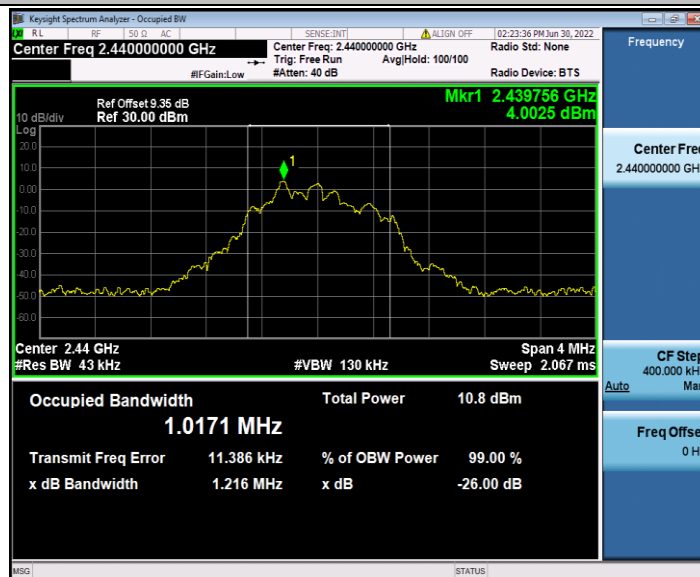
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	1.0157	2401.510	2402.526	---	---
		2440	1.0171	2439.503	2440.520	---	---
		2480	1.0238	2479.502	2480.525	---	---

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



Appendix B.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	6.40	≤30	6.4	≤36	PASS
		2440	5.76	≤30	5.76	≤36	PASS
		2480	5.08	≤30	5.08	≤36	PASS

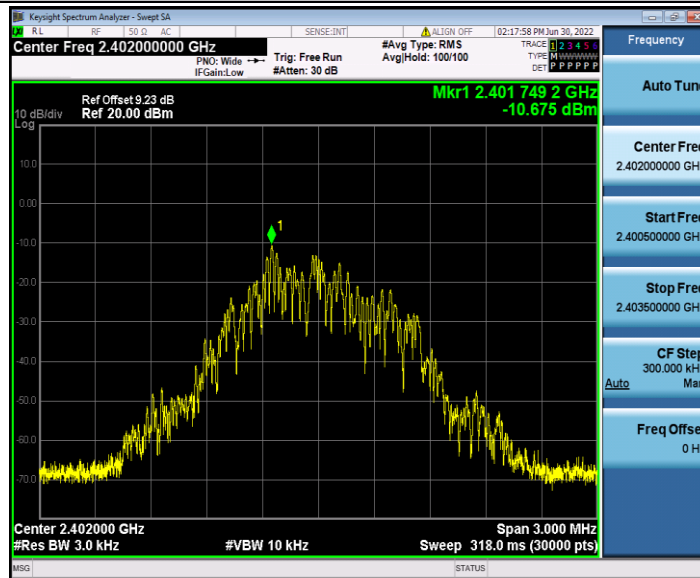
Appendix B.4: Maximum power spectral density

Test Result

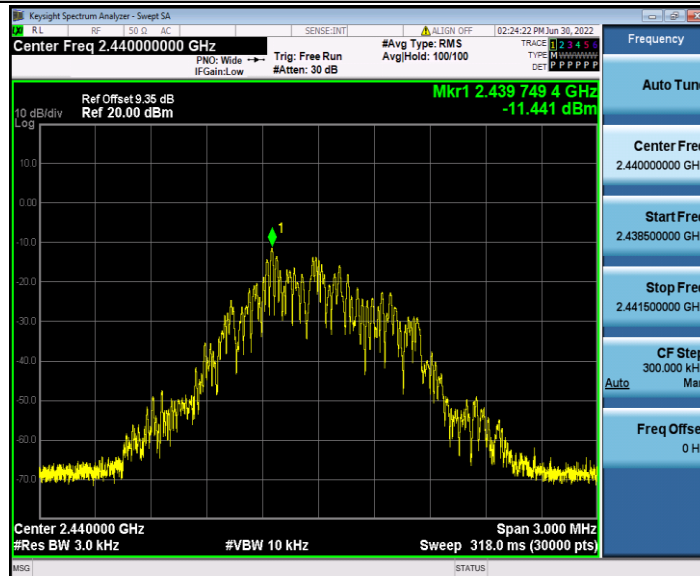
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_BT4.0	Ant1	2402	-10.68	≤8.00	PASS
		2440	-11.44	≤8.00	PASS
		2480	-12.00	≤8.00	PASS

Test Graphs

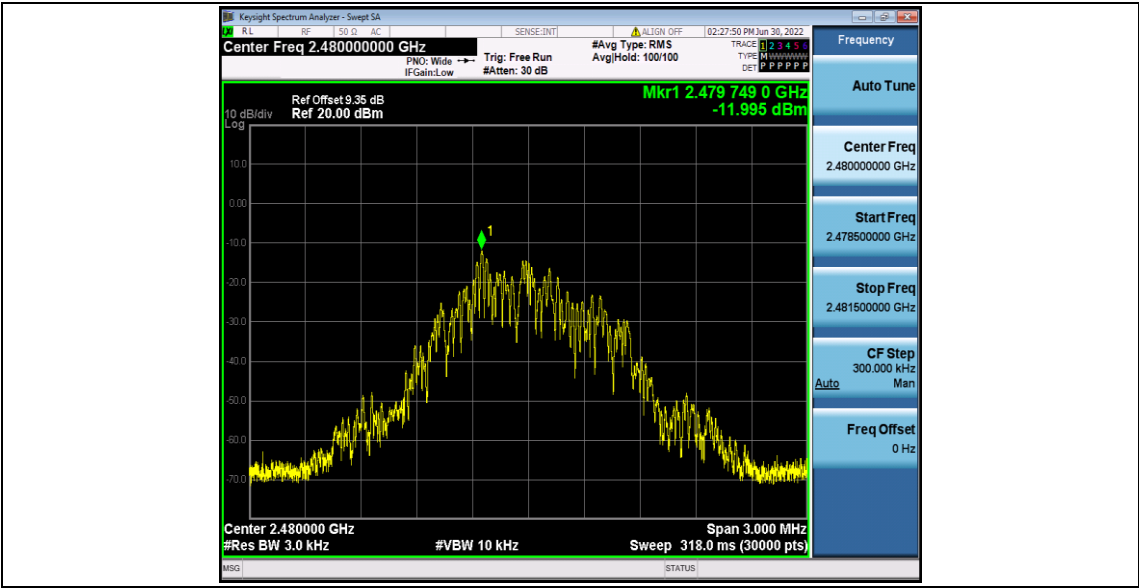
BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



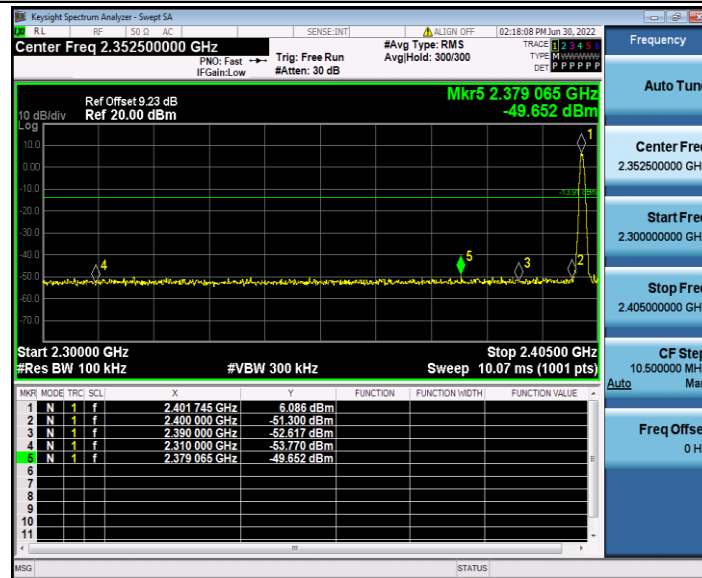
Appendix B.5: Band edge measurements

Test Result

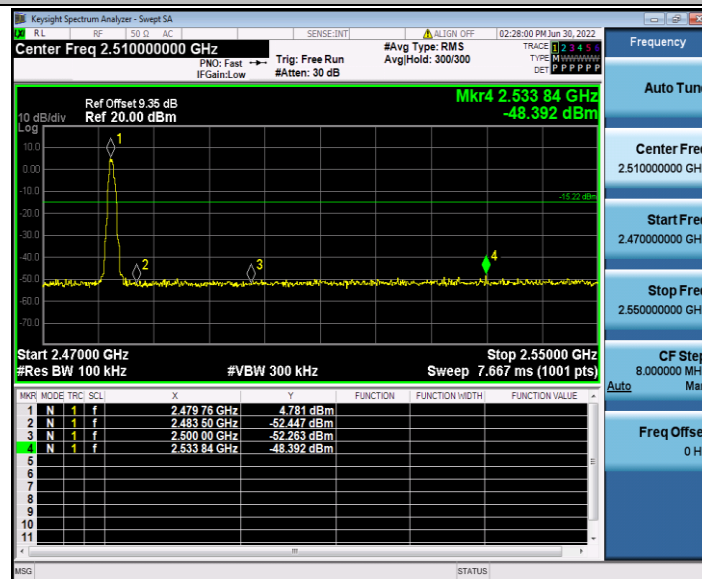
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	6.09	-49.65	≤-13.91	PASS
		High	2480	4.78	-48.39	≤-15.22	PASS

Test Graphs

BLE_BT4.0_Ant1_Low_2402



BLE_BT4.0_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

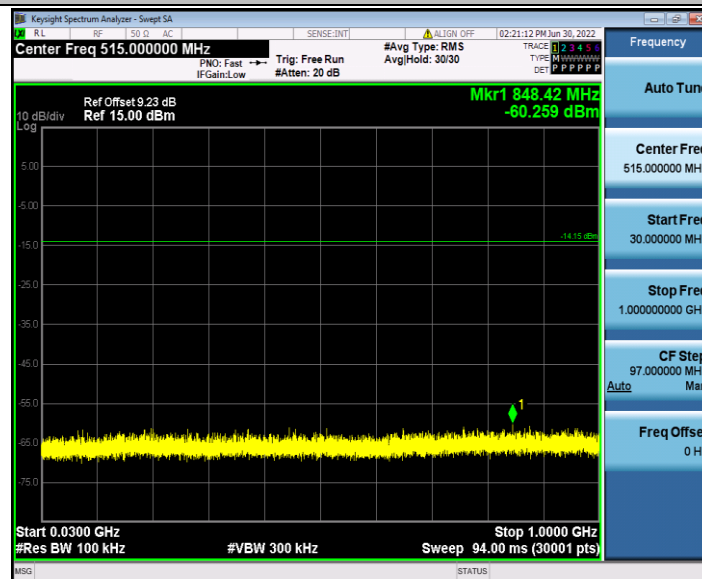
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	Reference	5.85	5.85	---	PASS
			30~1000	5.85	-60.26	≤-14.15	PASS
			1000~26500	5.85	-47.23	≤-14.15	PASS
		2440	Reference	5.21	5.21	---	PASS
			30~1000	5.21	-60.58	≤-14.79	PASS
			1000~26500	5.21	-47.41	≤-14.79	PASS
		2480	Reference	4.15	4.15	---	PASS
			30~1000	4.15	-59.8	≤-15.85	PASS
			1000~26500	4.15	-46.99	≤-15.85	PASS

Test Graphs

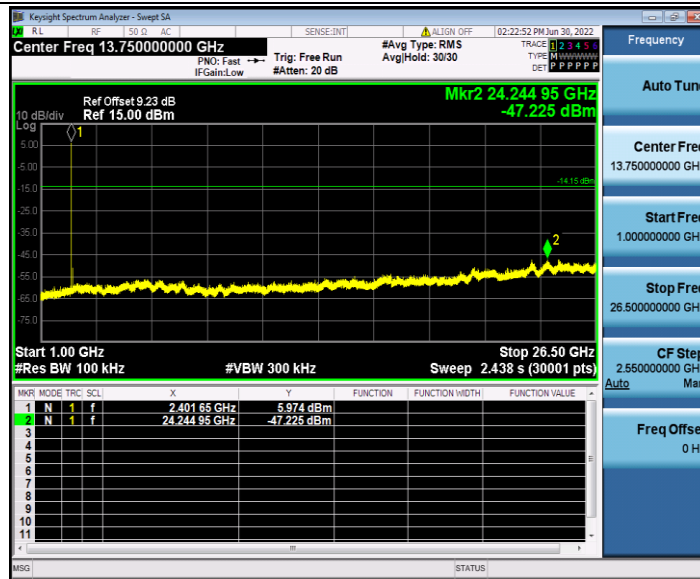
BLE_BT4.0_Ant1_2402_0~Reference



BLE_BT4.0_Ant1_2402_30~1000



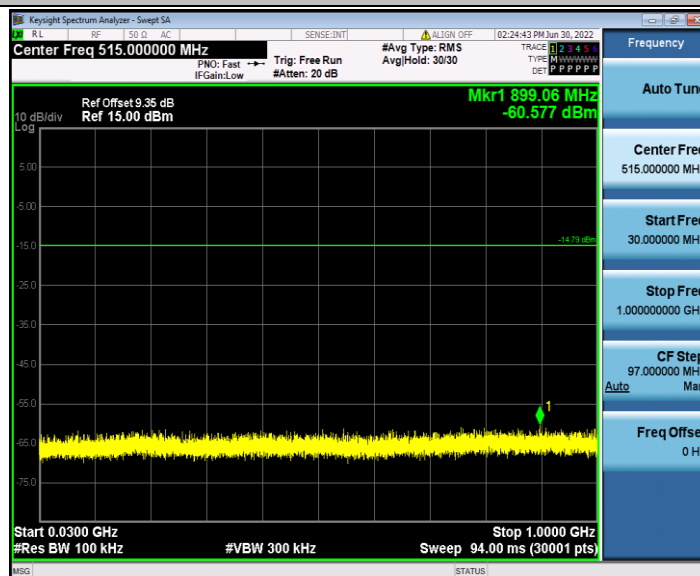
BLE_BT4.0_Ant1_2402_1000~26500



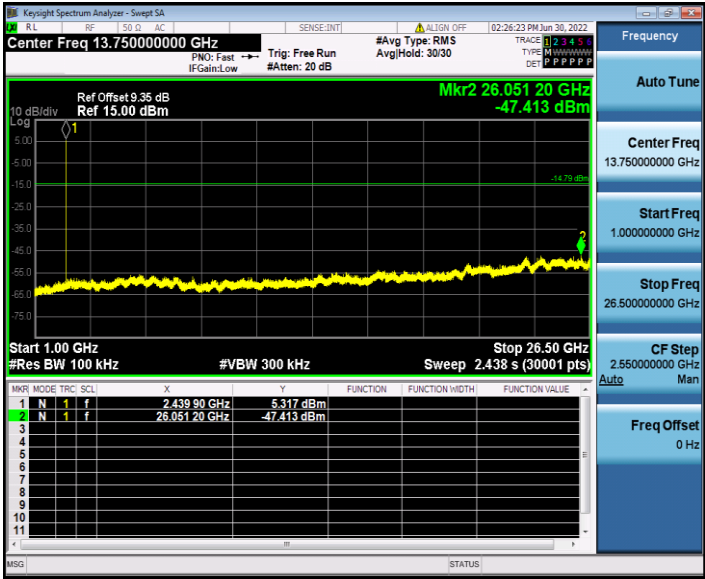
BLE_BT4.0_Ant1_2440_0~Reference



BLE_BT4.0_Ant1_2440_30~1000



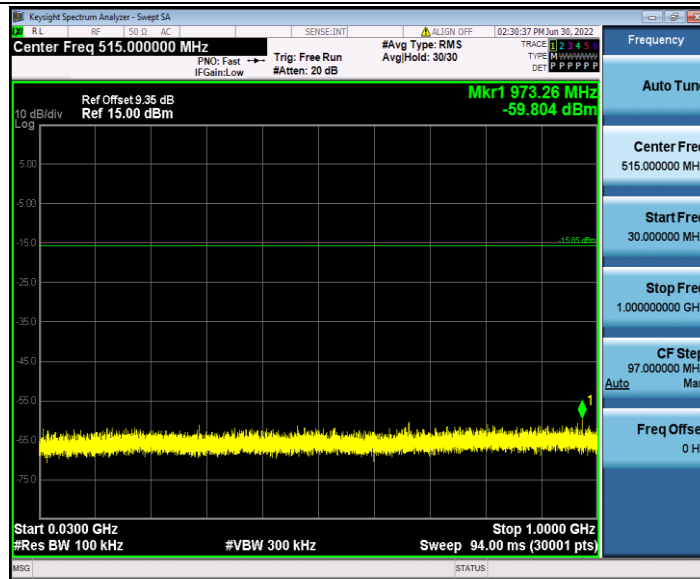
BLE_BT4.0_Ant1_2440_1000~26500



BLE_BT4.0_Ant1_2480_0~Reference



BLE_BT4.0_Ant1_2480_30~1000



BLE_BT4.0_Ant1_2480_1000~26500

