

Case No. : <u>GTS20221207004-1-9</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.1.9</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	Ant1	2402	0.636	2401.708	2402.344	0.5	PASS
		2440	0.644	2439.704	2440.348	0.5	PASS
		2480	0.648	2479.696	2480.344	0.5	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_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	1.0532	2401.508	2402.561	---	---
		2440	1.0448	2439.515	2440.560	---	---
		2480	1.0402	2479.516	2480.556	---	---

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix B.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	-4.28	≤30	PASS
		2440	-3.45	≤30	PASS
		2480	-3.21	≤30	PASS

Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-21.23	≤8.00	PASS
		2440	-20.42	≤8.00	PASS
		2480	-20.07	≤8.00	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



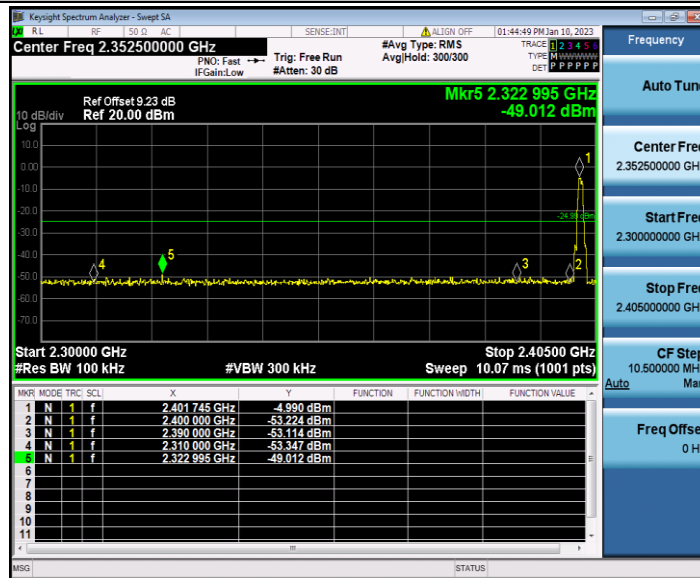
Appendix B.5: Band edge measurements

Test Result

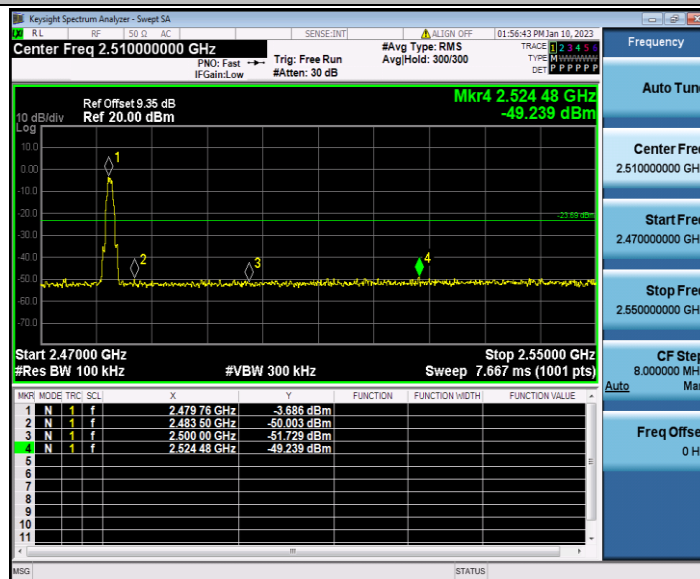
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-4.99	-49.01	≤-24.99	PASS
		High	2480	-3.69	-49.24	≤-23.69	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

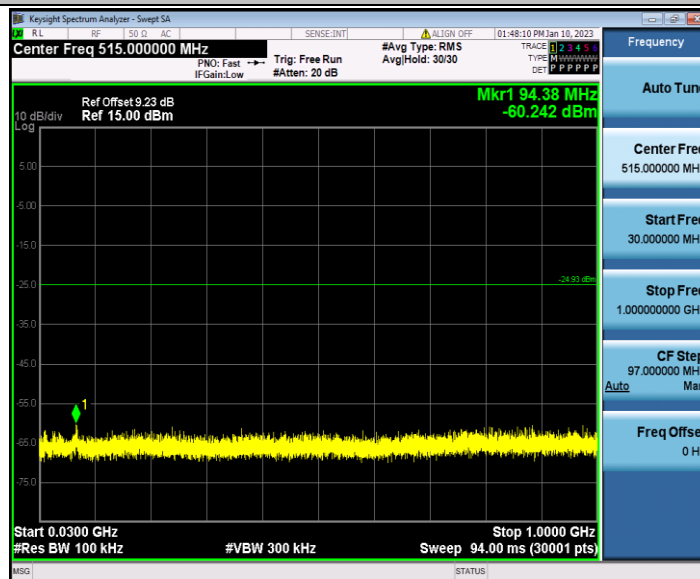
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-4.93	-4.93	---	PASS
			30~1000	-4.93	-60.24	≤-24.93	PASS
			1000~26500	-4.93	-45.93	≤-24.93	PASS
		2440	Reference	-5.24	-5.24	---	PASS
			30~1000	-5.24	-59.24	≤-25.24	PASS
			1000~26500	-5.24	-32.03	≤-25.24	PASS
		2480	Reference	-3.62	-3.62	---	PASS
			30~1000	-3.62	-59.11	≤-23.62	PASS
			1000~26500	-3.62	-48.35	≤-23.62	PASS

Test Graphs

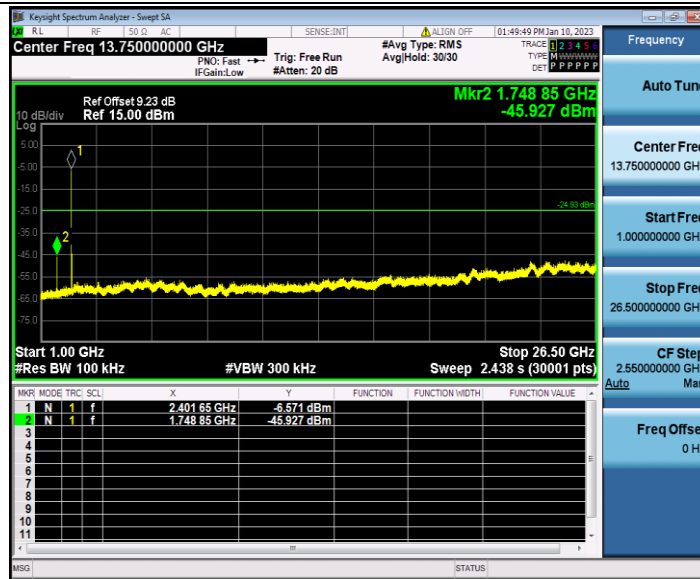
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



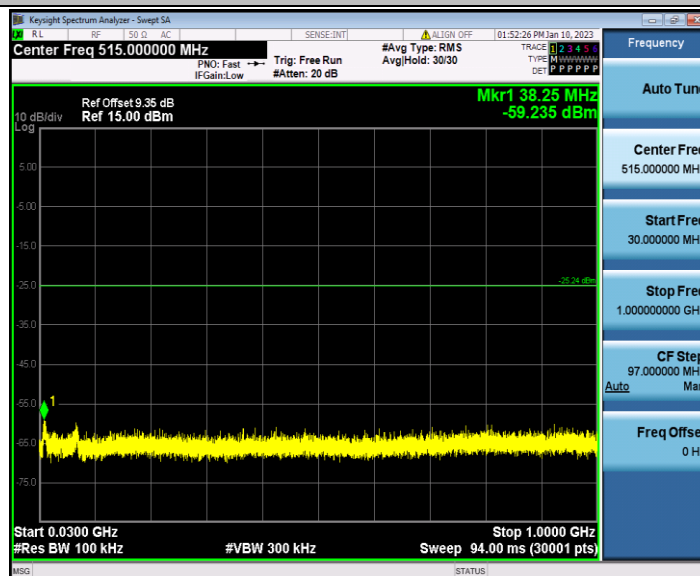
BLE_Ant1_2402_1000~26500



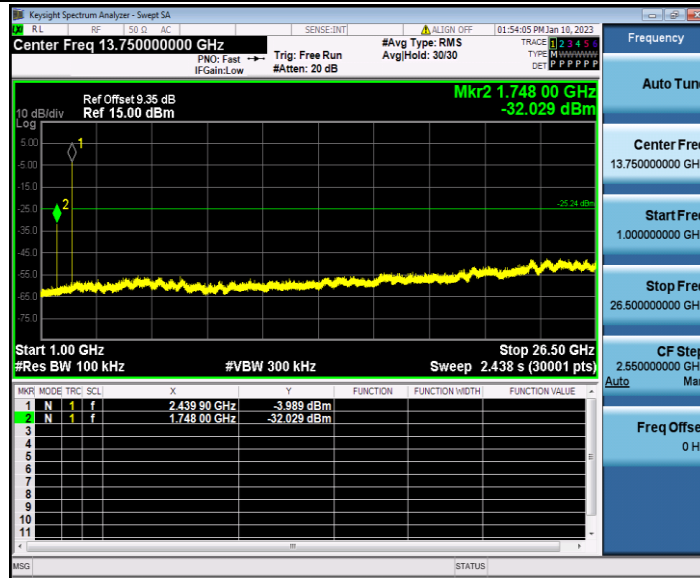
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



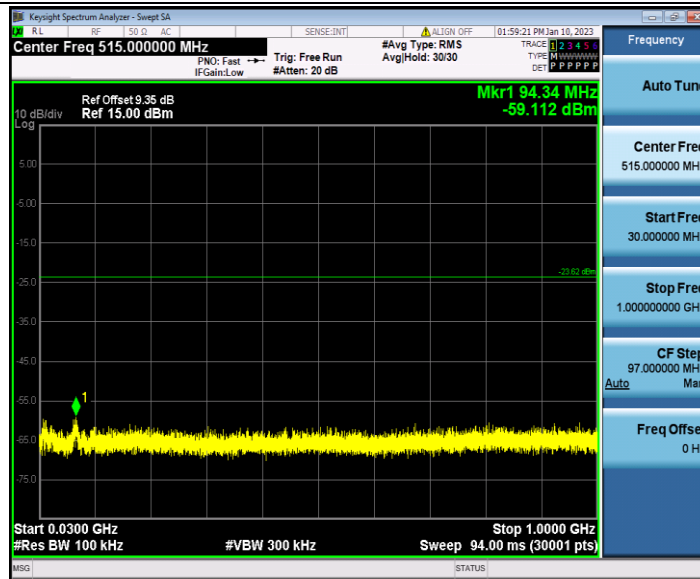
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

