

Case No. : <u>GTS20221207004-1-3</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.1.6</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	Ant1	2402	0.648	2401.700	2402.348	0.5	PASS
		2440	0.628	2439.700	2440.328	0.5	PASS
		2480	0.644	2479.708	2480.352	0.5	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix B.2: Occupied Channel Bandwidth

Test Result

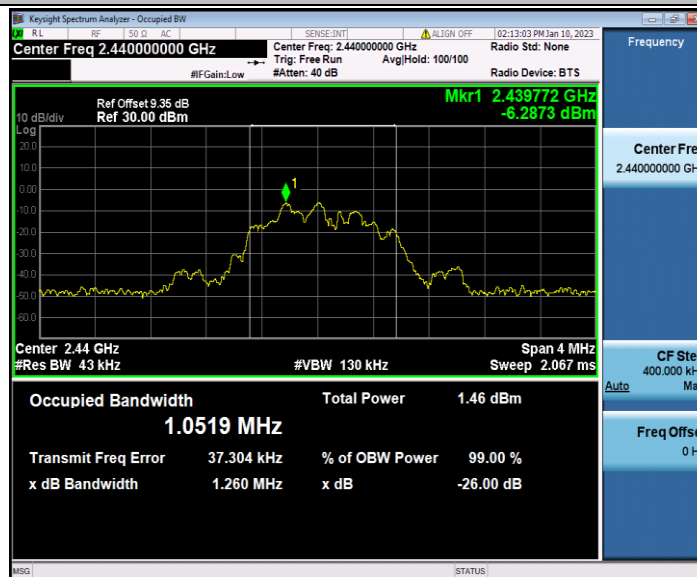
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0397	2401.523	2402.563	---	---
		2440	1.0519	2439.511	2440.563	---	---
		2480	1.0468	2479.513	2480.560	---	---

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	-3.98	≤30	PASS
		2440	-3.38	≤30	PASS
		2480	-3.11	≤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	-20.93	≤8.00	PASS
		2440	-20.29	≤8.00	PASS
		2480	-20.03	≤8.00	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



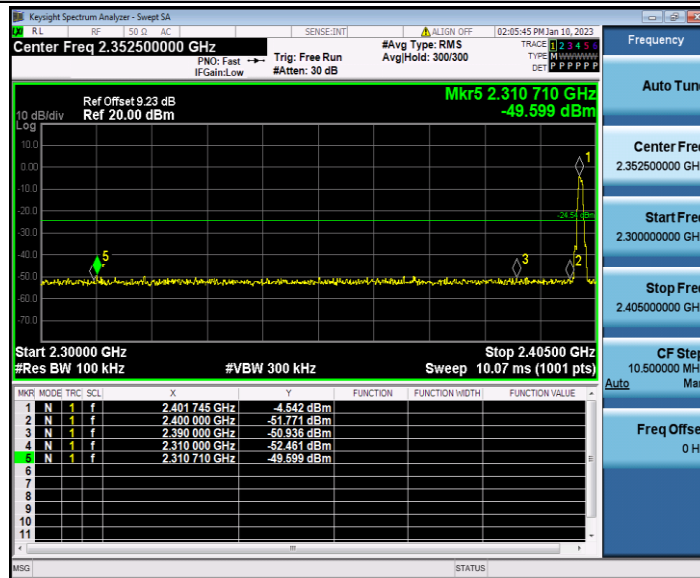
Appendix B.5: Band edge measurements

Test Result

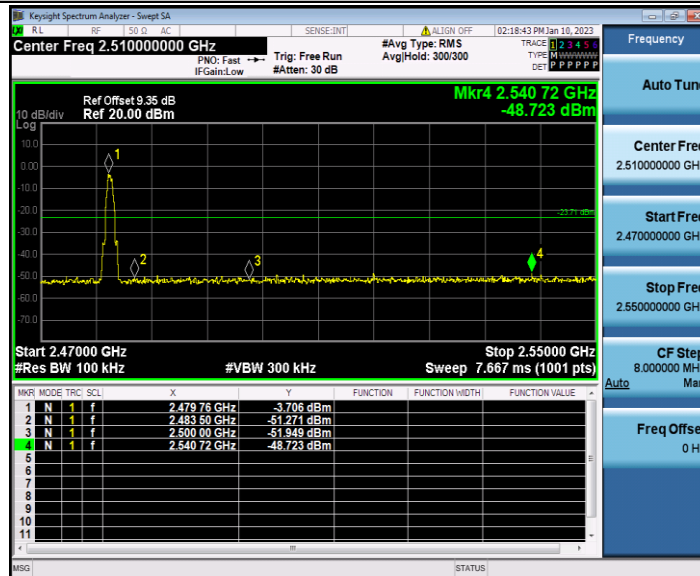
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-4.54	-49.6	≤-24.54	PASS
		High	2480	-3.71	-48.72	≤-23.71	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

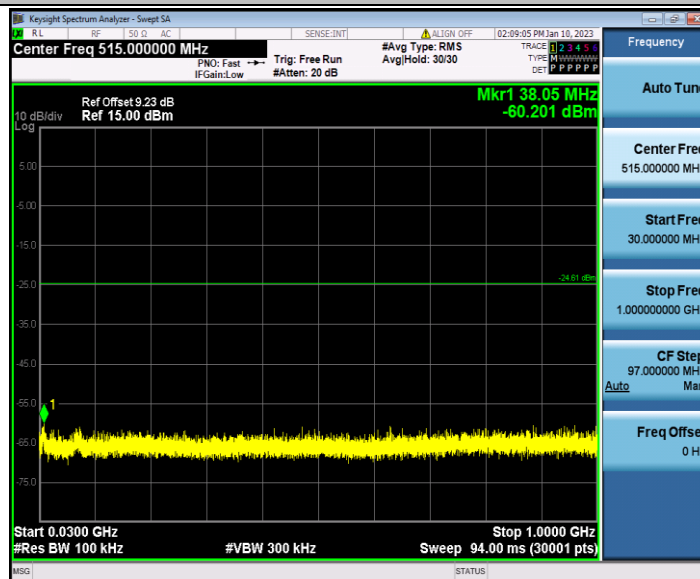
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-4.61	-4.61	---	PASS
			30~1000	-4.61	-60.2	≤ -24.61	PASS
			1000~26500	-4.61	-47.64	≤ -24.61	PASS
		2440	Reference	-4.48	-4.48	---	PASS
			30~1000	-4.48	-57.37	≤ -24.48	PASS
			1000~26500	-4.48	-47.71	≤ -24.48	PASS
		2480	Reference	-3.70	-3.70	---	PASS
			30~1000	-3.70	-42.19	≤ -23.7	PASS
			1000~26500	-3.70	-47.71	≤ -23.7	PASS

Test Graphs

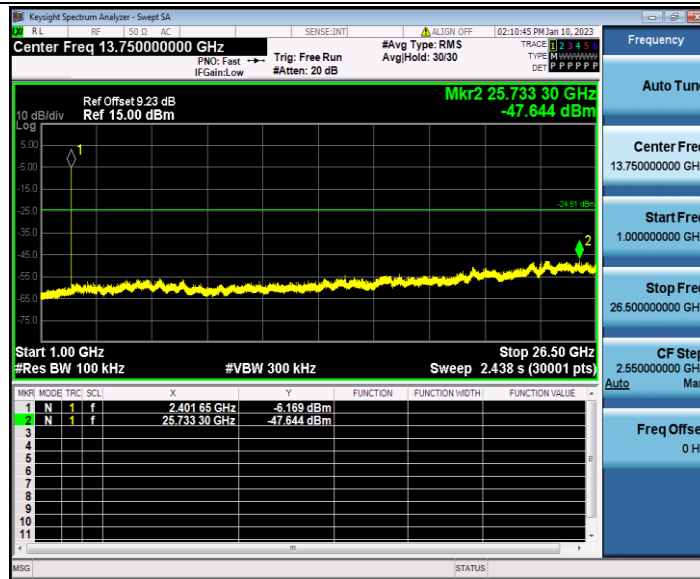
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



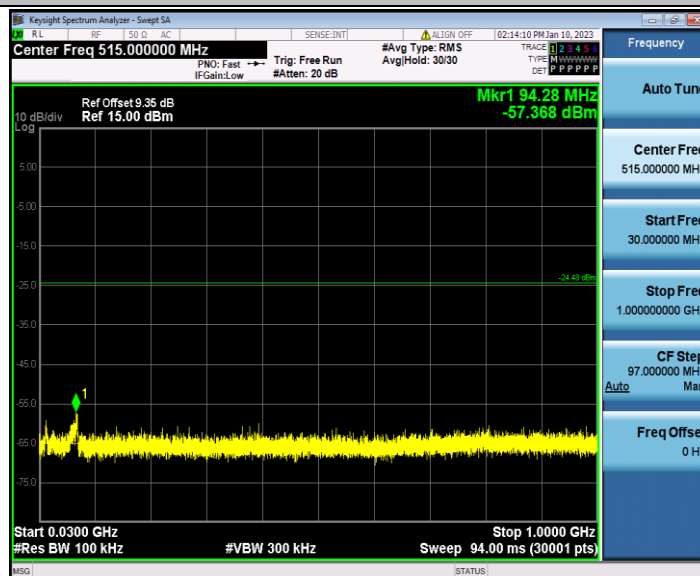
BLE_Ant1_2402_1000~26500



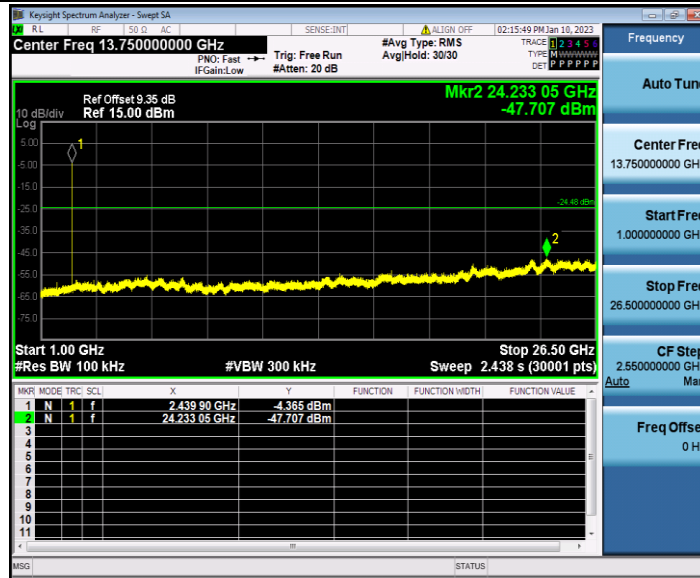
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



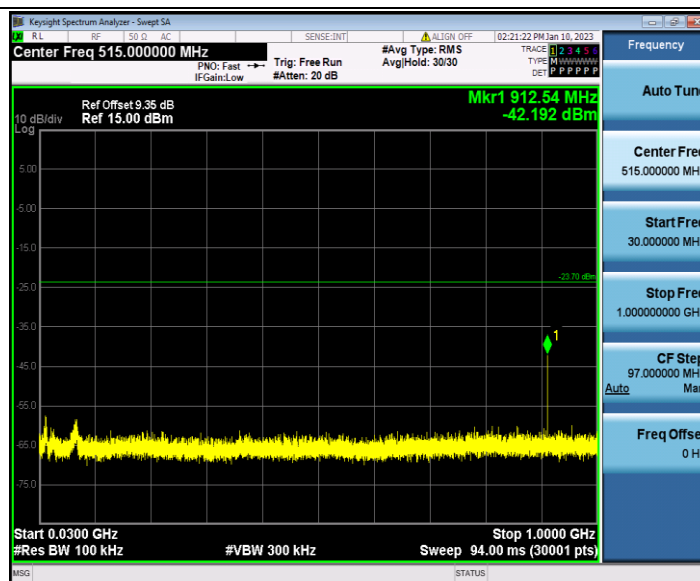
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE	Ant1	2480	1000~26500
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