

Case No. : <u>GTS20220819005-1-2</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.9.28</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	0.728	2401.632	2402.360	0.5	PASS
		2440	0.704	2439.656	2440.360	0.5	PASS
		2480	0.696	2479.648	2480.344	0.5	PASS

Test Graphs

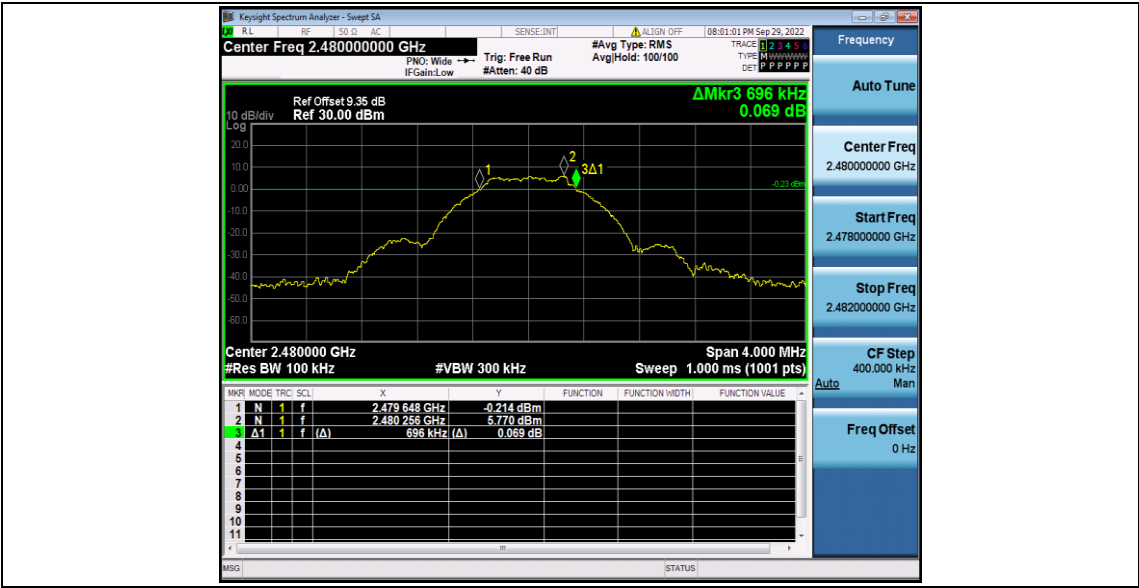
BLE_Ant1_2402



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	1.0508	2401.483	2402.533	---	---
		2440	1.0595	2439.481	2440.541	---	---
		2480	1.0576	2479.477	2480.535	---	---

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	6.82	≤30	PASS
		2440	7.20	≤30	PASS
		2480	7.04	≤30	PASS

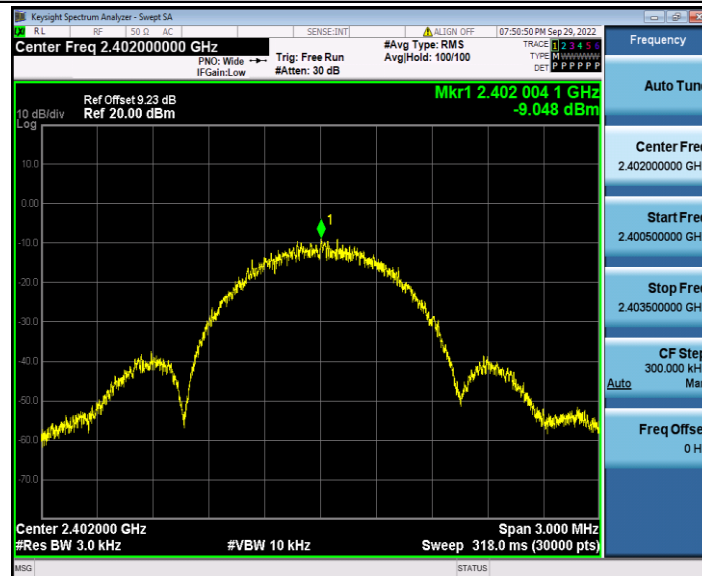
Appendix B.4: Maximum power spectral density

Test Result

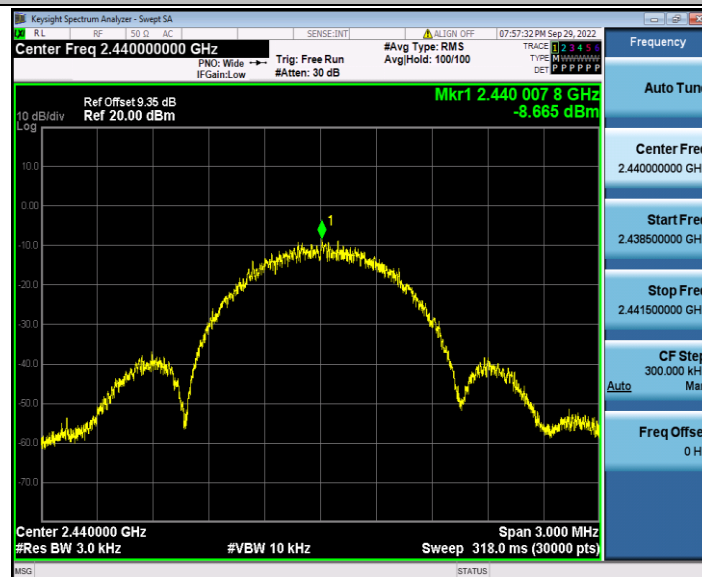
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-9.05	≤8.00	PASS
		2440	-8.67	≤8.00	PASS
		2480	-8.69	≤8.00	PASS

Test Graphs

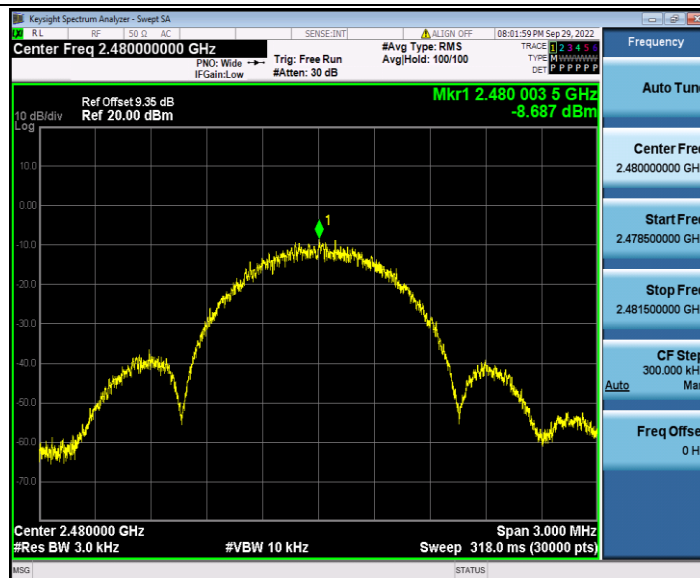
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



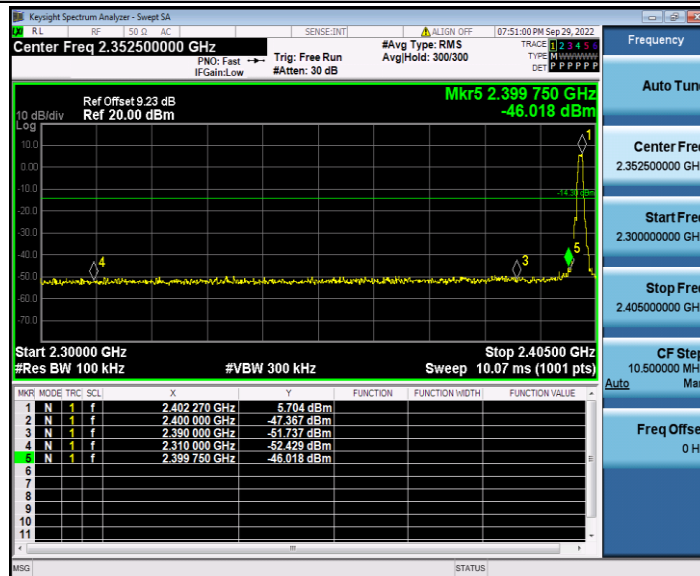
Appendix B.5: Band edge measurements

Test Result

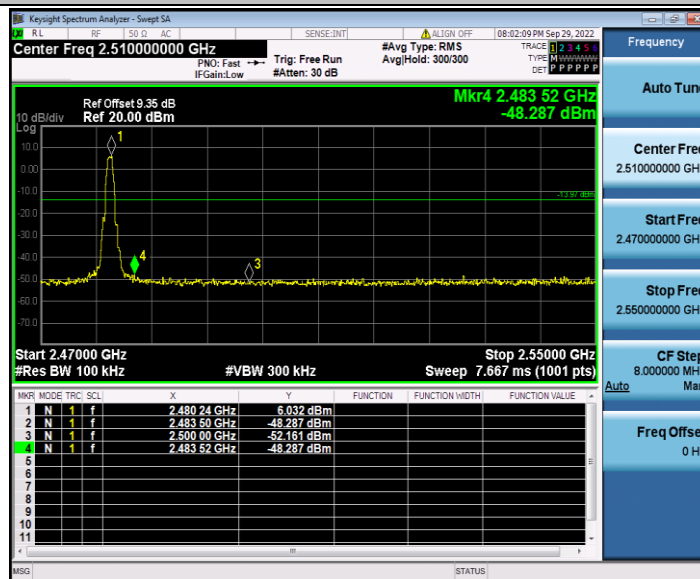
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	5.70	-46.02	≤-14.3	PASS
		High	2480	6.03	-48.29	≤-13.97	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



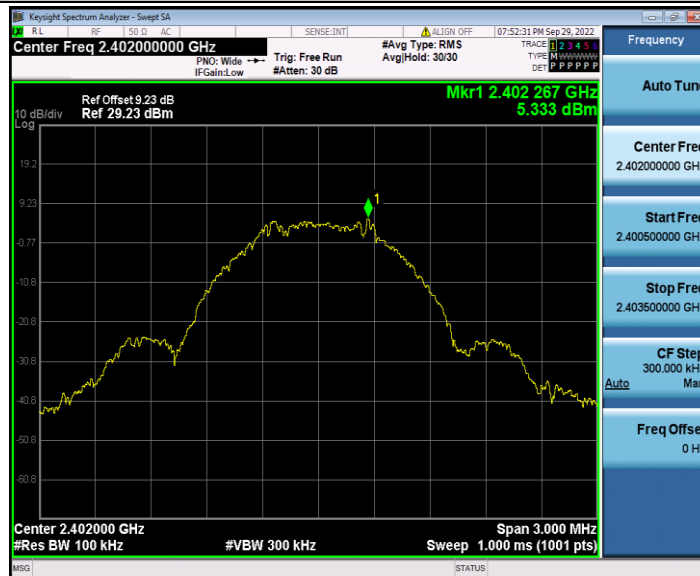
Appendix B.6: Conducted Spurious Emission

Test Result

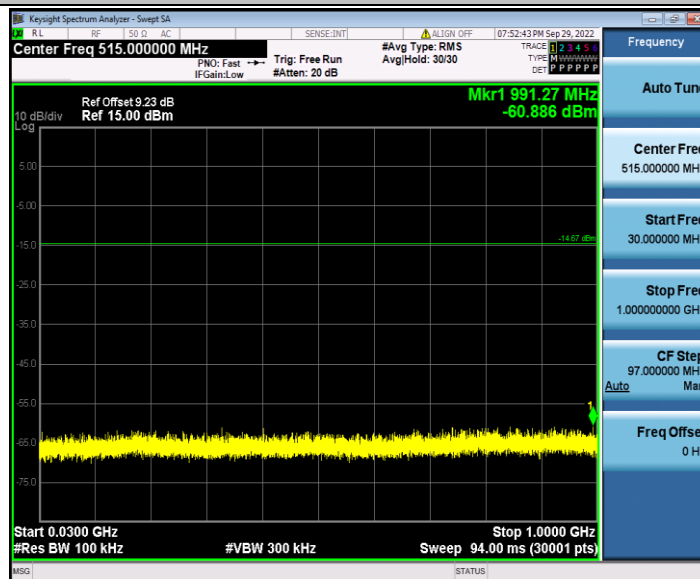
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	5.33	5.33	---	PASS
			30~1000	5.33	-60.89	≤ -14.67	PASS
			1000~26500	5.33	-44.67	≤ -14.67	PASS
		2440	Reference	5.89	5.89	---	PASS
			30~1000	5.89	-59.64	≤ -14.11	PASS
			1000~26500	5.89	-45.28	≤ -14.11	PASS
		2480	Reference	5.36	5.36	---	PASS
			30~1000	5.36	-60.28	≤ -14.64	PASS
			1000~26500	5.36	-47.32	≤ -14.64	PASS

Test Graphs

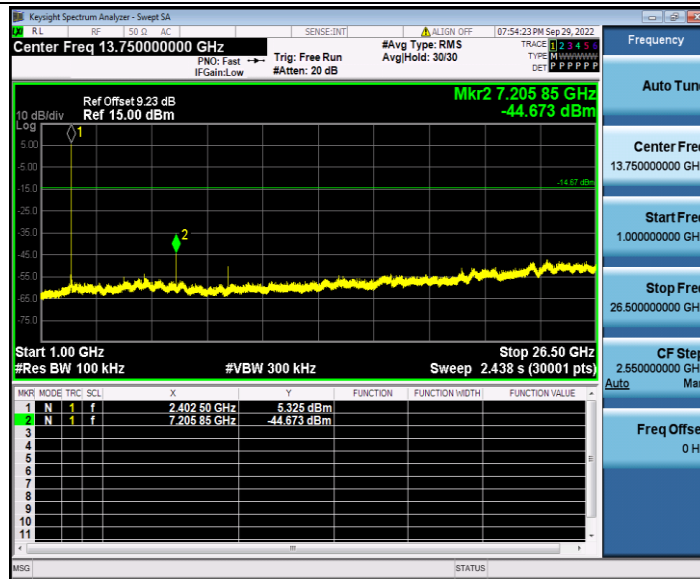
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



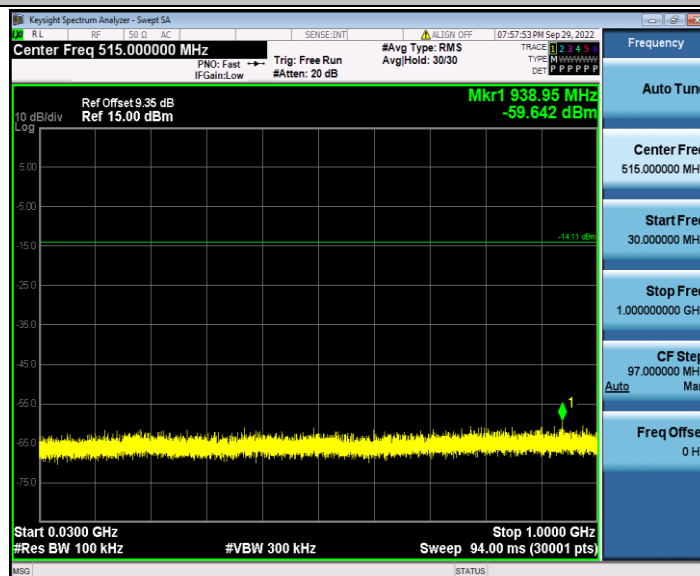
BLE_Ant1_2402_1000~26500



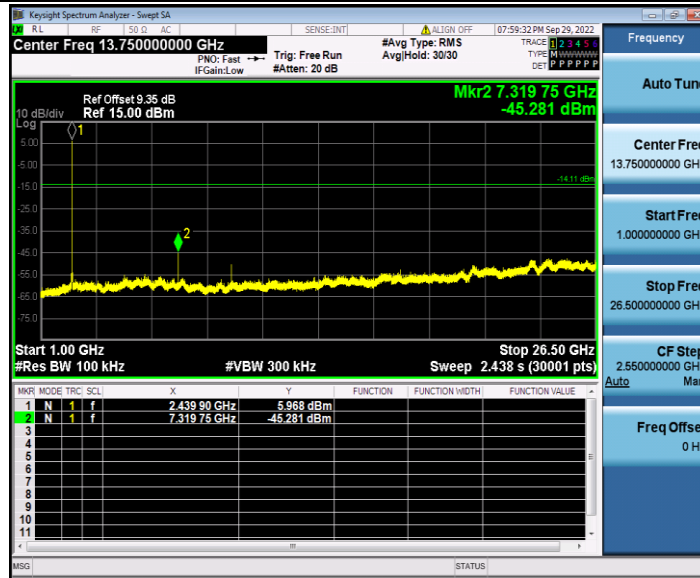
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



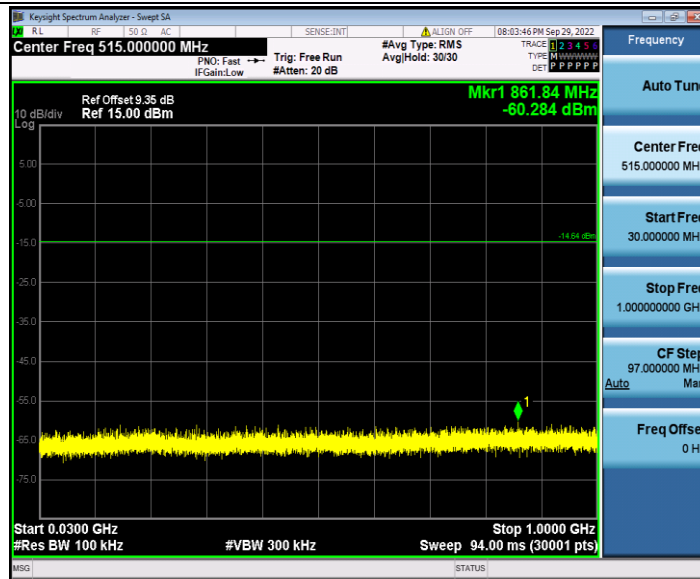
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

