

Case No. : <u>GTS20221117015-1-5</u>	
Ambient Condition: <u>26</u> °C, <u>50</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.24</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	Ant1	2402	0.568	2401.588	2402.156	0.5	PASS
		2440	0.548	2439.596	2440.144	0.5	PASS
		2480	0.628	2479.676	2480.304	0.5	PASS

Test Graphs

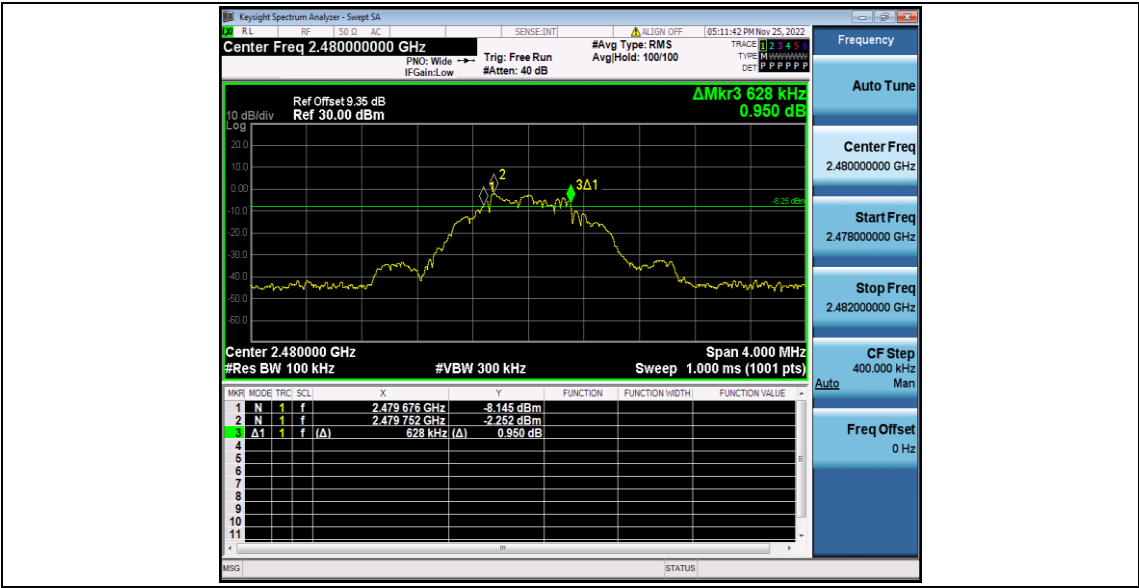
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.1531	2401.487	2402.640	---	---
		2440	1.1542	2439.481	2440.635	---	---
		2480	1.3318	2479.444	2480.776	---	---

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	7.22	≤30	PASS
		2440	8.27	≤30	PASS
		2480	8	≤30	PASS

Appendix A.4: Maximum power spectral density

Test Result

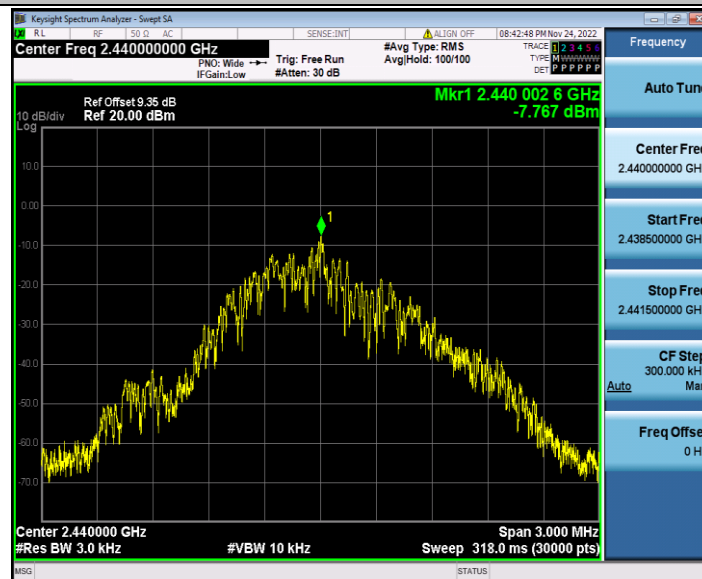
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-8.88	≤8.00	PASS
		2440	-7.77	≤8.00	PASS
		2480	-8.14	≤8.00	PASS

Test Graphs

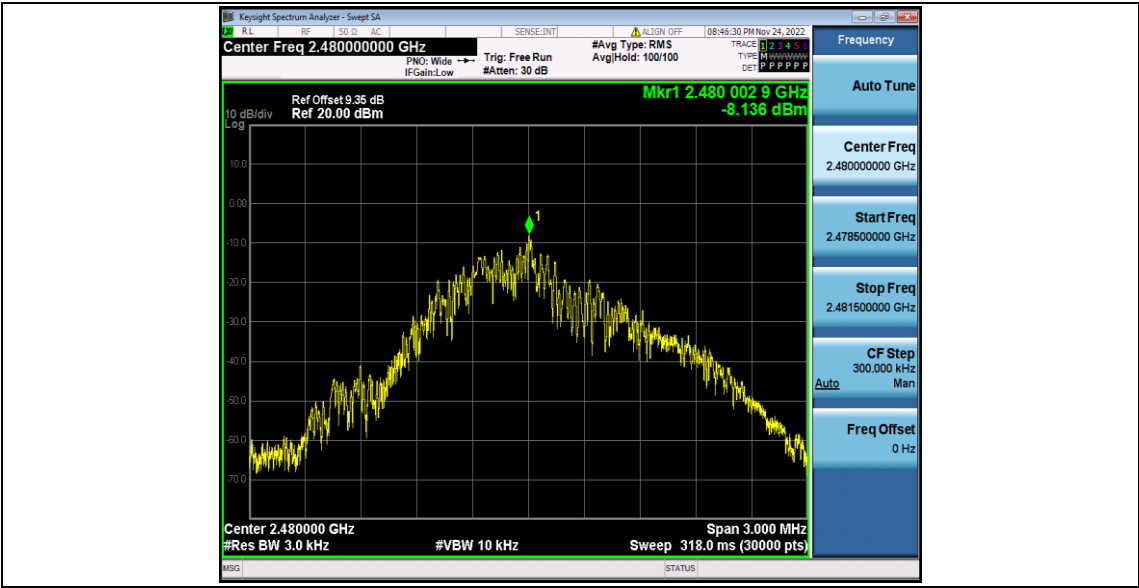
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



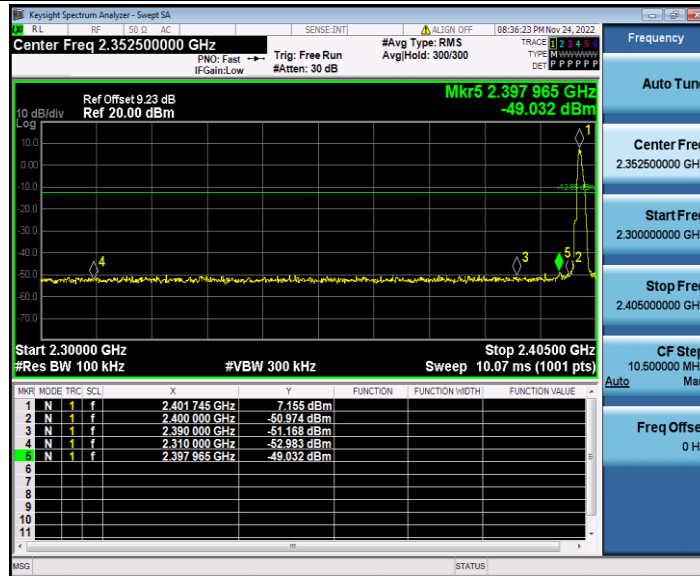
Appendix A.5: Band edge measurements

Test Result

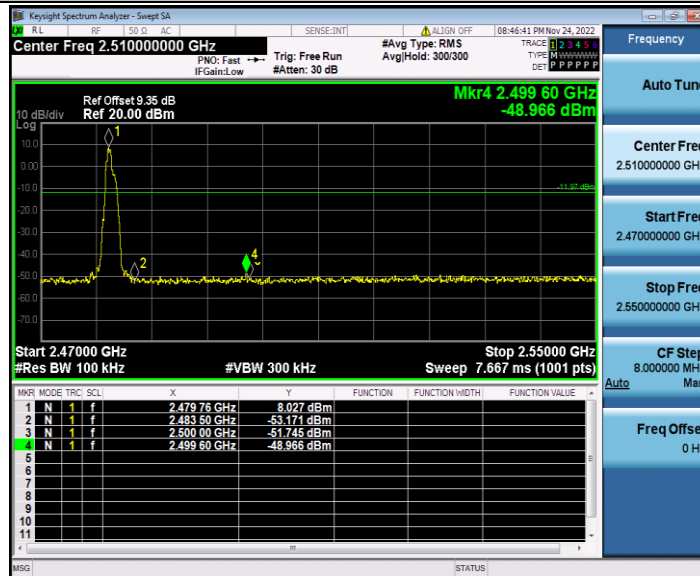
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	7.16	-49.03	≤-12.85	PASS
		High	2480	8.03	-48.97	≤-11.97	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix A.6: Conducted Spurious Emission

Test Result

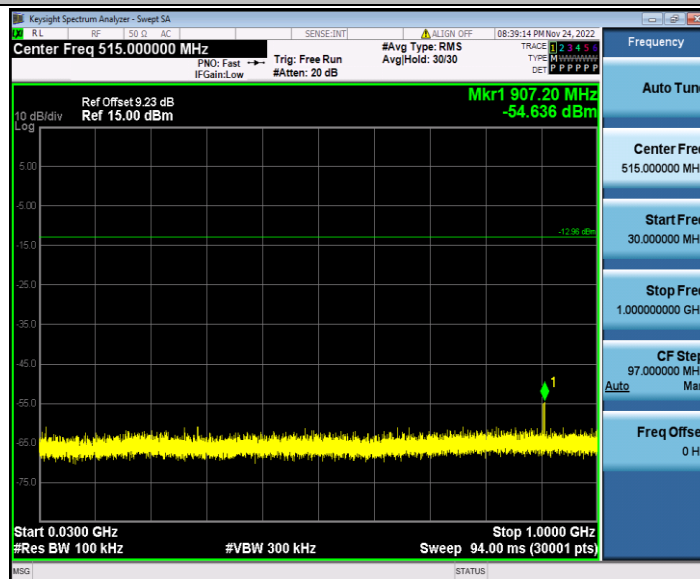
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	7.04	7.04	---	PASS
			30~1000	7.04	-54.64	≤-12.96	PASS
			1000~26500	7.04	-45.73	≤-12.96	PASS
		2440	Reference	7.82	7.82	---	PASS
			30~1000	7.82	-59.58	≤-12.18	PASS
			1000~26500	7.82	-47.4	≤-12.18	PASS
		2480	Reference	6.88	6.88	---	PASS
			30~1000	6.88	-58.06	≤-13.12	PASS
			1000~26500	6.88	-47.37	≤-13.12	PASS

Test Graphs

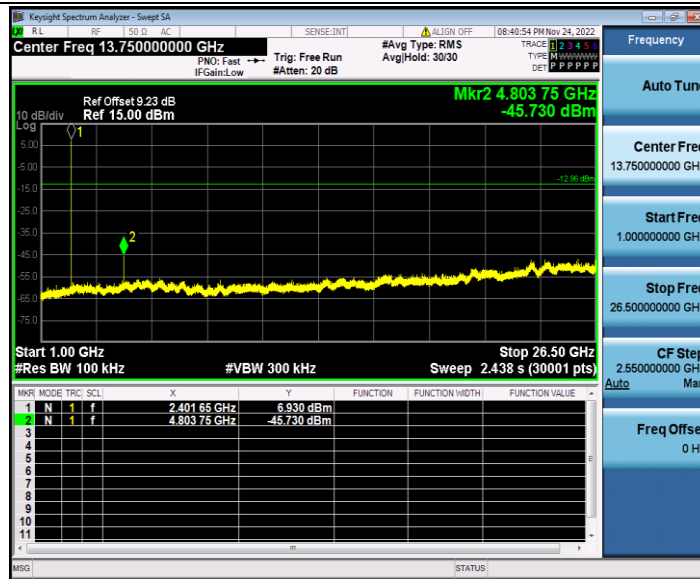
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



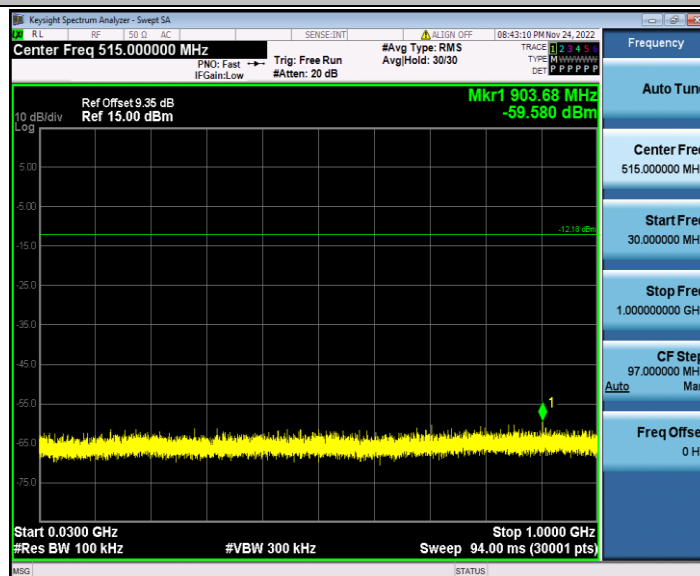
BLE_Ant1_2402_1000~26500



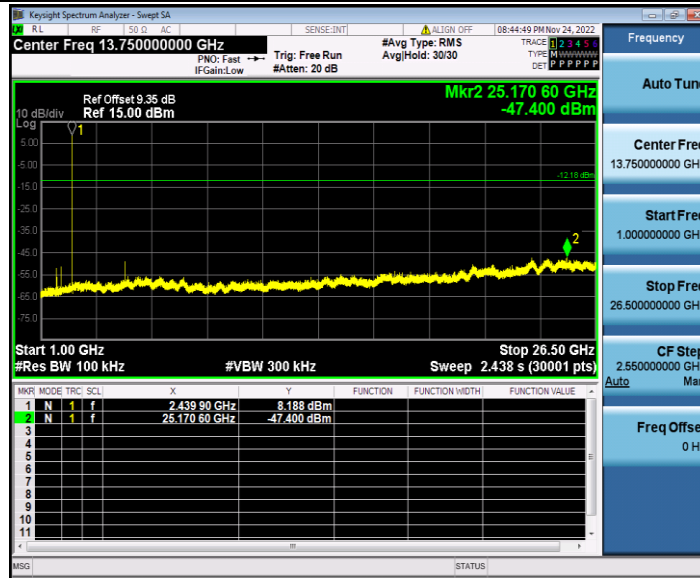
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



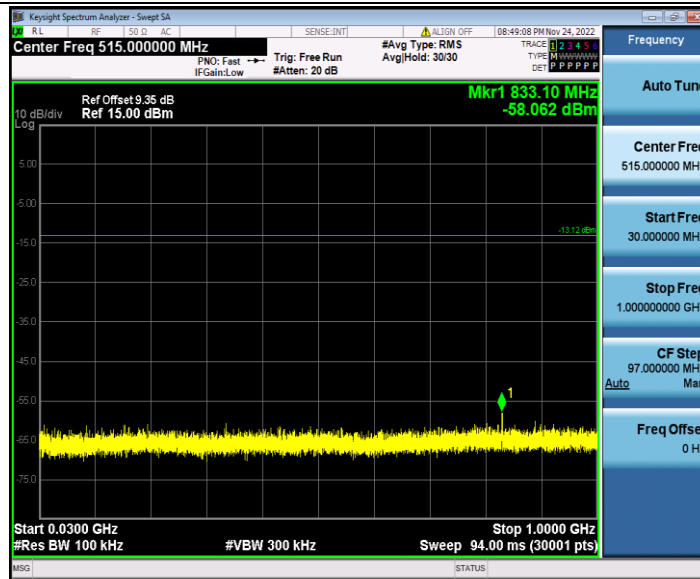
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

