

Case No. : <u>GTS20221215006-1-2</u>
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,
Test Date: <u>2022.12.28</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	0.504	2401.700	2402.204	0.5	PASS
		2440	0.504	2439.700	2440.204	0.5	PASS
		2480	0.660	2479.696	2480.356	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	1.0487	2401.509	2402.557	---	---
		2440	1.0577	2439.509	2440.566	---	---
		2480	1.0543	2479.511	2480.565	---	---

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	-2.3	≤30	PASS
		2440	-0.94	≤30	PASS
		2480	-1.03	≤30	PASS

Appendix B.4: Maximum power spectral density

Test Result

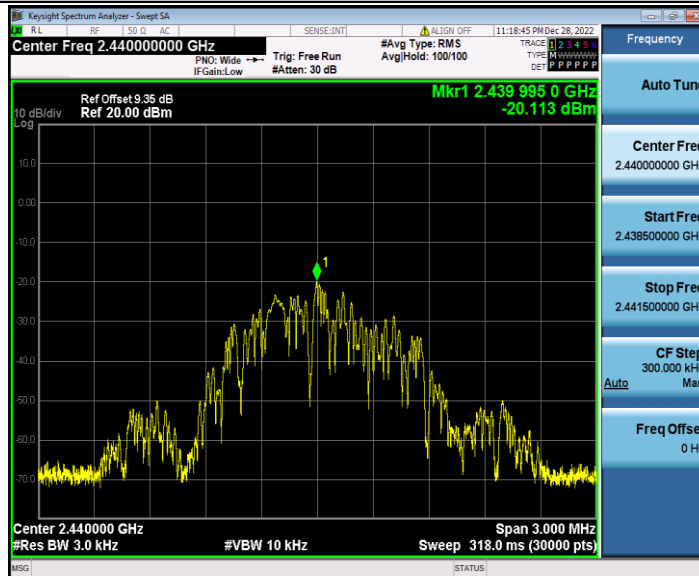
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-21.53	≤8.00	PASS
		2440	-20.11	≤8.00	PASS
		2480	-20.17	≤8.00	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



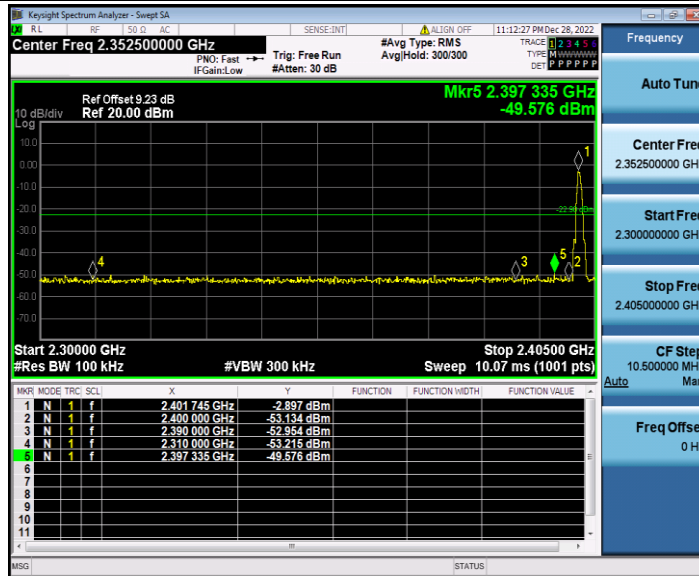
Appendix B.5: Band edge measurements

Test Result

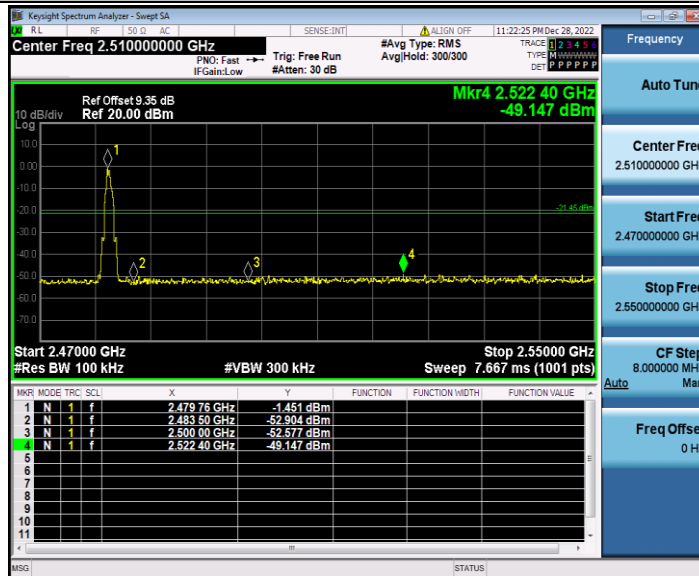
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-2.90	-49.58	≤ -22.9	PASS
		High	2480	-1.45	-49.15	≤ -21.45	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

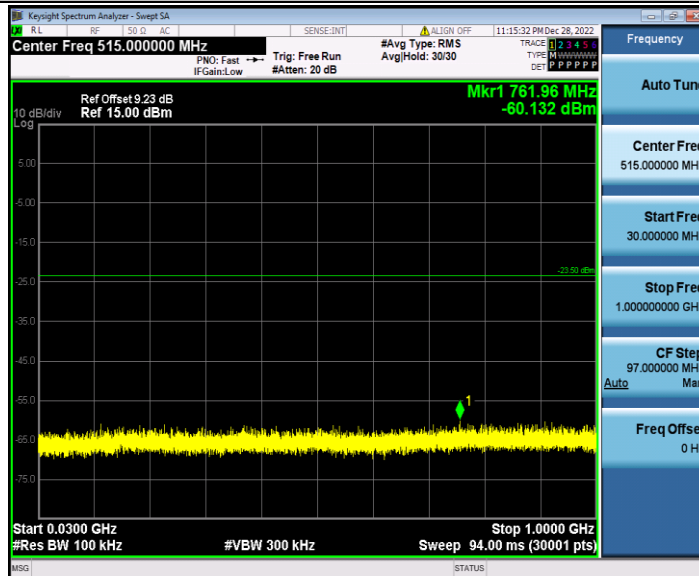
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-3.50	-3.50	---	PASS
			30~1000	-3.50	-60.13	≤-23.5	PASS
			1000~26500	-3.50	-48.04	≤-23.5	PASS
		2440	Reference	-1.82	-1.82	---	PASS
			30~1000	-1.82	-59.41	≤-21.82	PASS
			1000~26500	-1.82	-47.77	≤-21.82	PASS
		2480	Reference	-2.25	-2.25	---	PASS
			30~1000	-2.25	-59.58	≤-22.25	PASS
			1000~26500	-2.25	-47.92	≤-22.25	PASS

Test Graphs

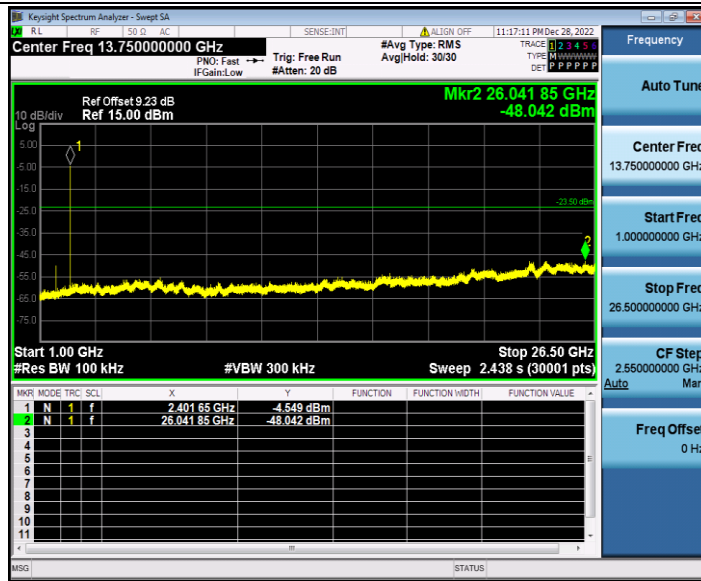
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



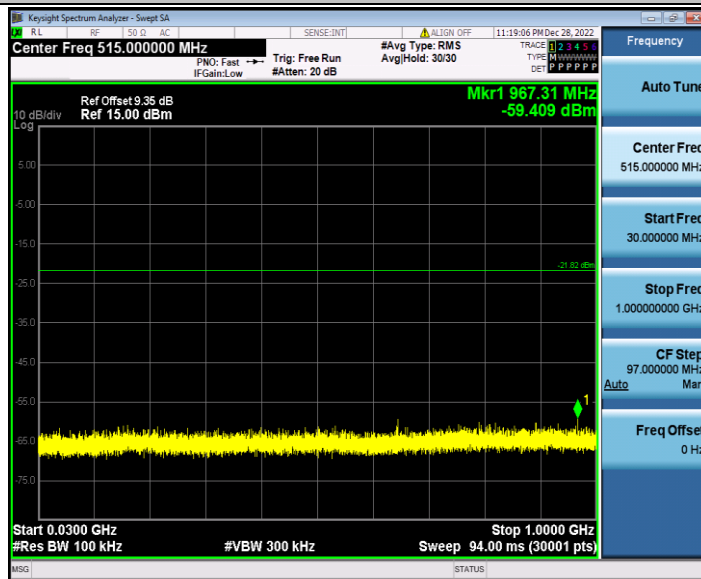
BLE_Ant1_2402_1000~26500



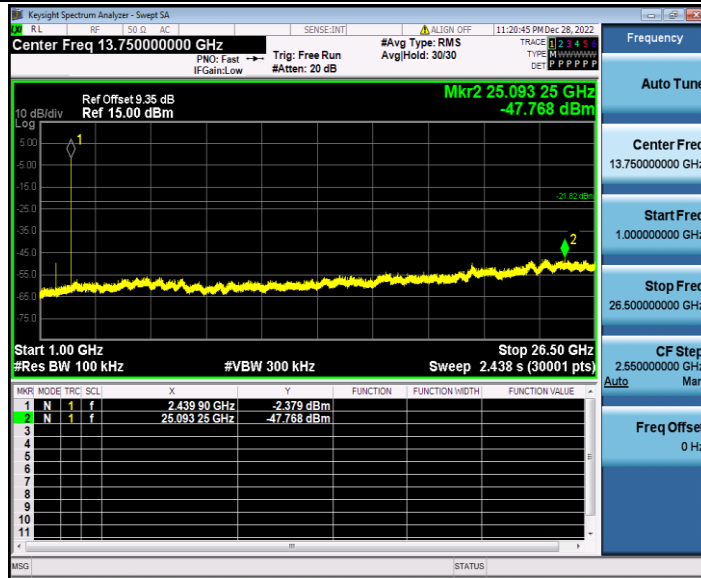
BLE_Ant1_2440_0-Reference



BLE_Ant1_2440_30-1000



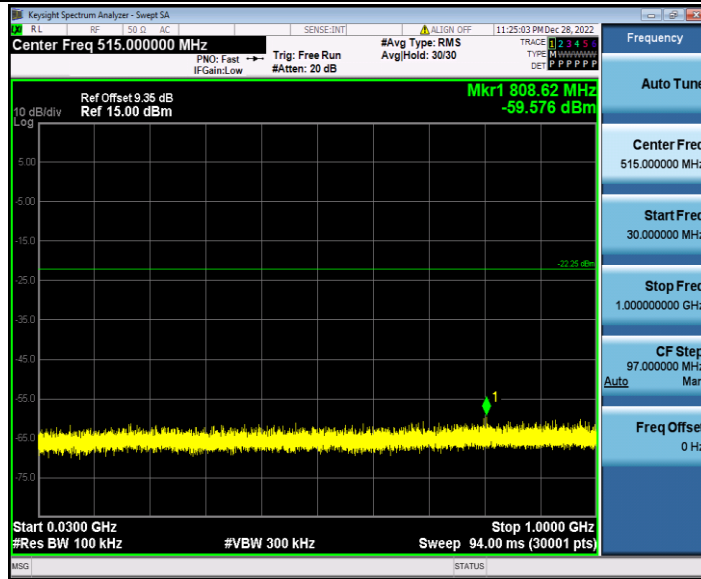
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

