

Case No. : <u>GTS20221208007-1-11</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.12.29</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	2401.684	2402.332	0.5	PASS
		2440	0.640	2439.684	2440.324	0.5	PASS
		2480	0.560	2479.684	2480.244	0.5	PASS

Test Graphs

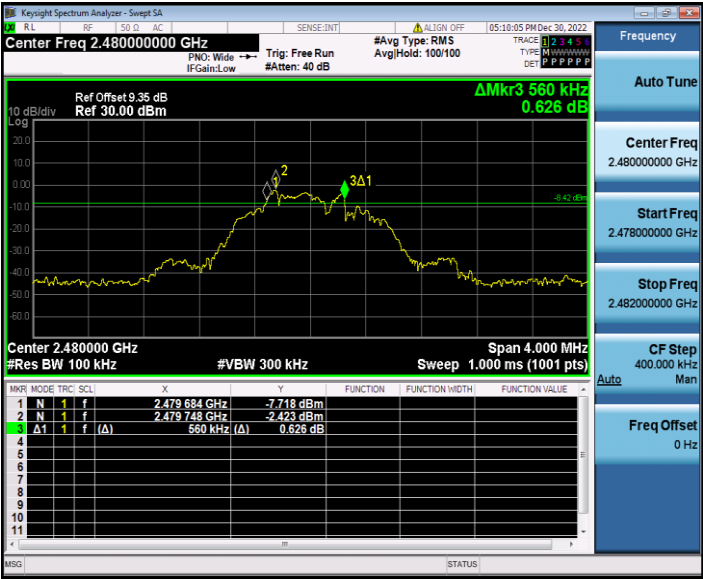
BLE_Ant1_2402



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	1.0551	2401.487	2402.542	---	---
		2440	1.0524	2439.490	2440.542	---	---
		2480	1.0600	2479.487	2480.547	---	---

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix B.3: Maximum conducted output power

Test Result Peak

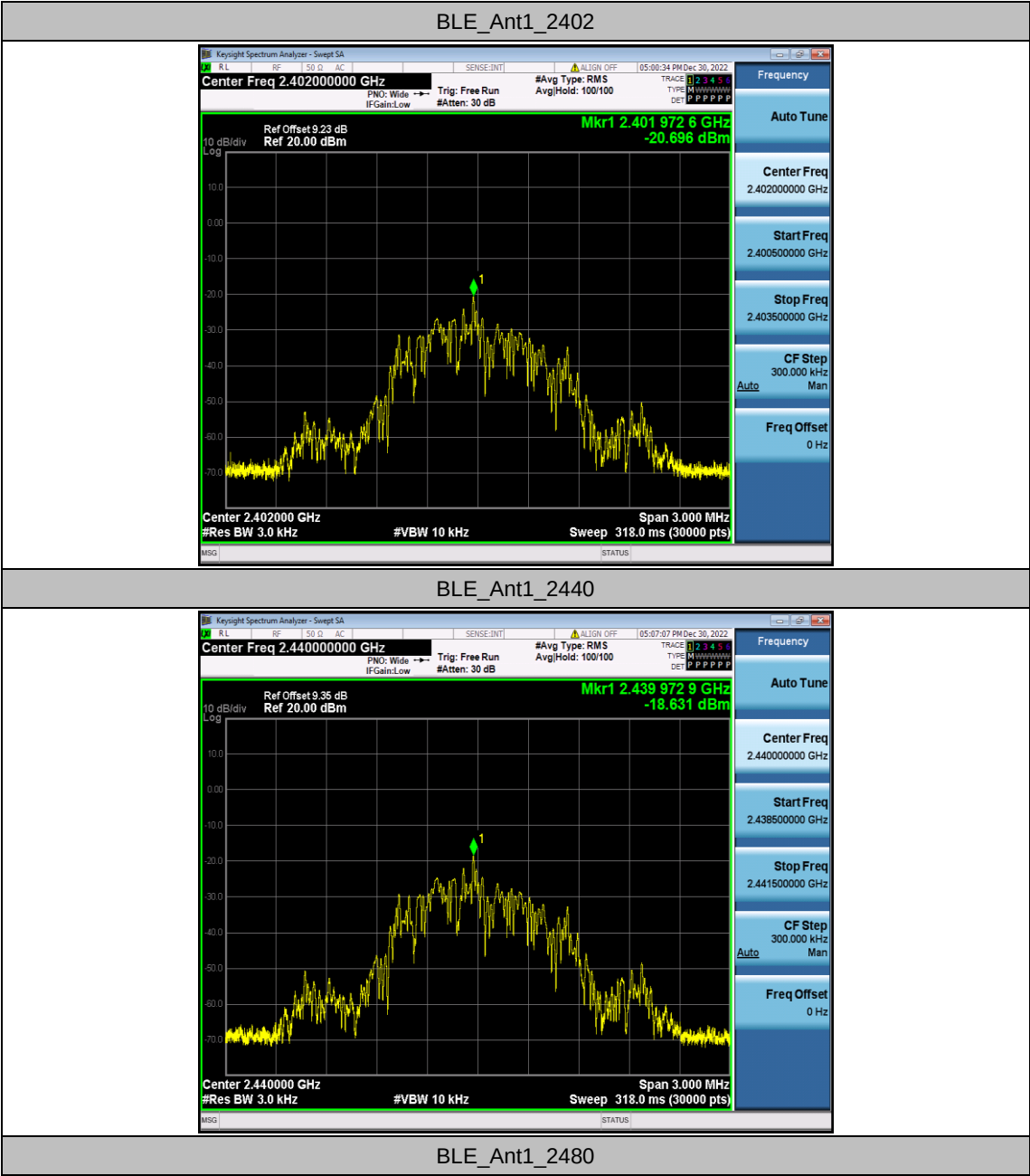
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	-3.79	≤30	PASS
		2440	-1.89	≤30	PASS
		2480	-1.81	≤30	PASS

Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-20.7	≤8.00	PASS
		2440	-18.63	≤8.00	PASS
		2480	-18.62	≤8.00	PASS

Test Graphs





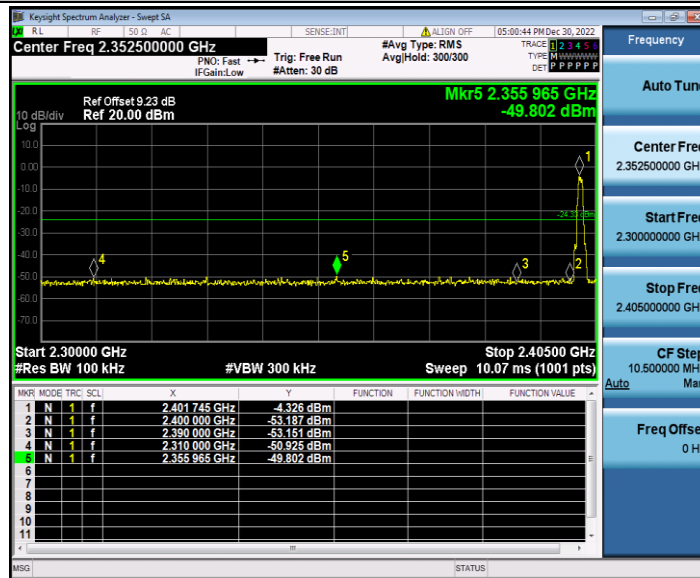
Appendix B.5: Band edge measurements

Test Result

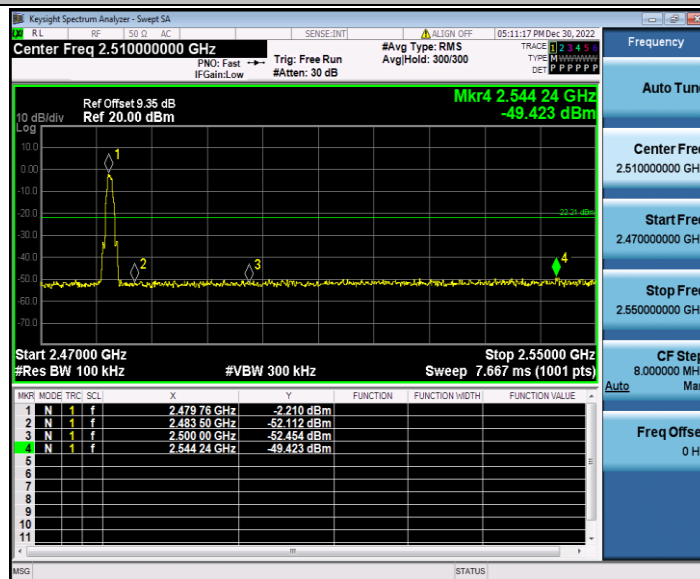
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-4.33	-49.8	≤-24.33	PASS
		High	2480	-2.21	-49.42	≤-22.21	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

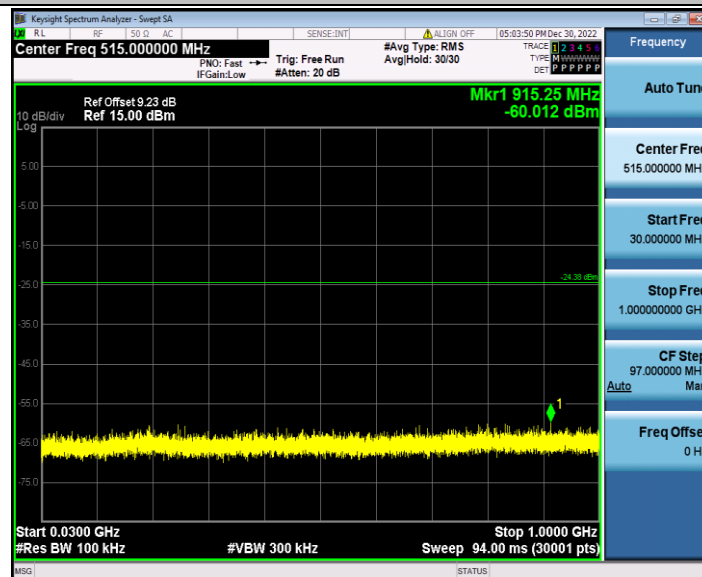
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-4.38	-4.38	---	PASS
			30~1000	-4.38	-60.01	≤ -24.38	PASS
			1000~26500	-4.38	-39.61	≤ -24.38	PASS
		2440	Reference	-2.51	-2.51	---	PASS
			30~1000	-2.51	-60.03	≤ -22.51	PASS
			1000~26500	-2.51	-47.02	≤ -22.51	PASS
		2480	Reference	-2.33	-2.33	---	PASS
			30~1000	-2.33	-60.53	≤ -22.33	PASS
			1000~26500	-2.33	-47.4	≤ -22.33	PASS

Test Graphs

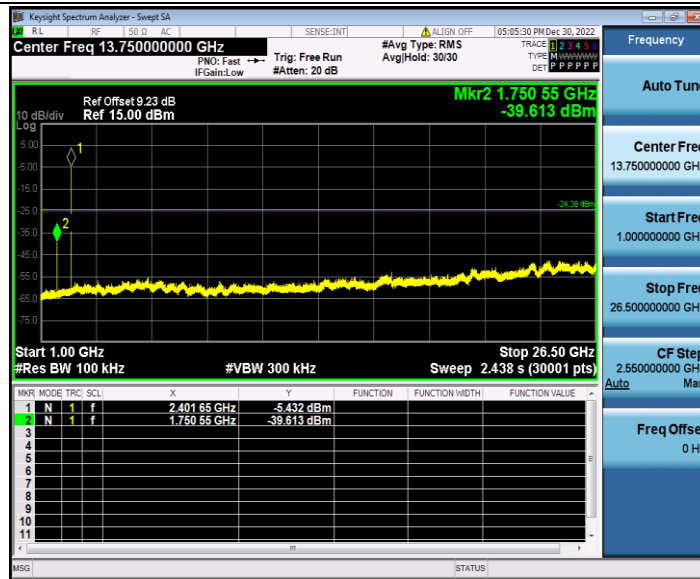
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



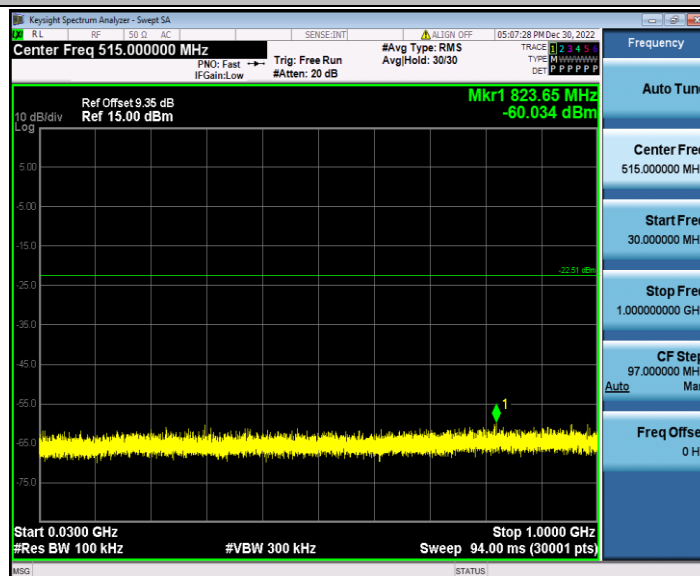
BLE_Ant1_2402_1000~26500



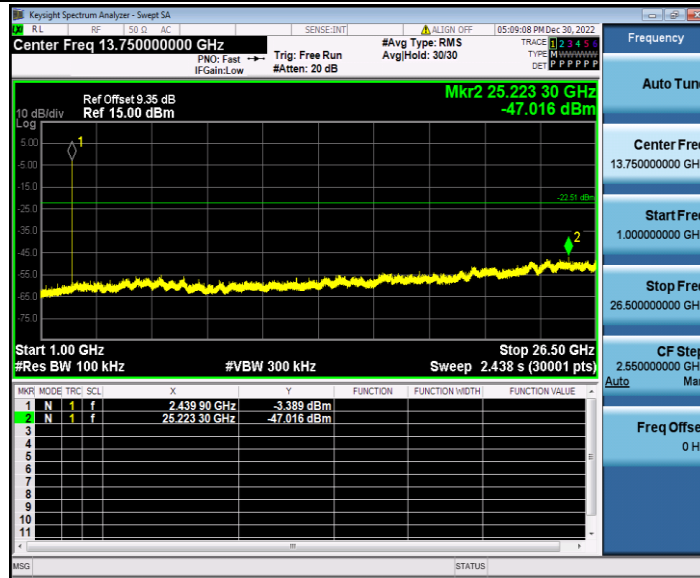
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



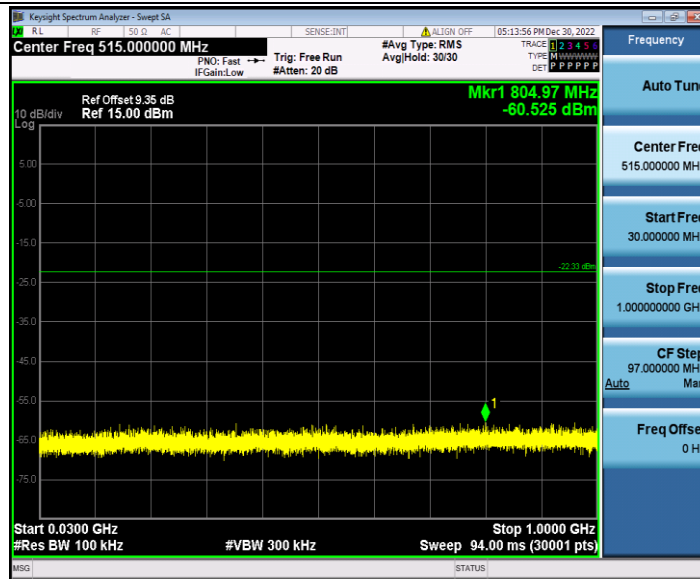
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

