

Case No. : <u>GTS20220920004-2-11</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.12.19</u>	Test Engineer: <u>Jenny zeng</u>

Appendix B.1: DTS Bandwidth

Test Result

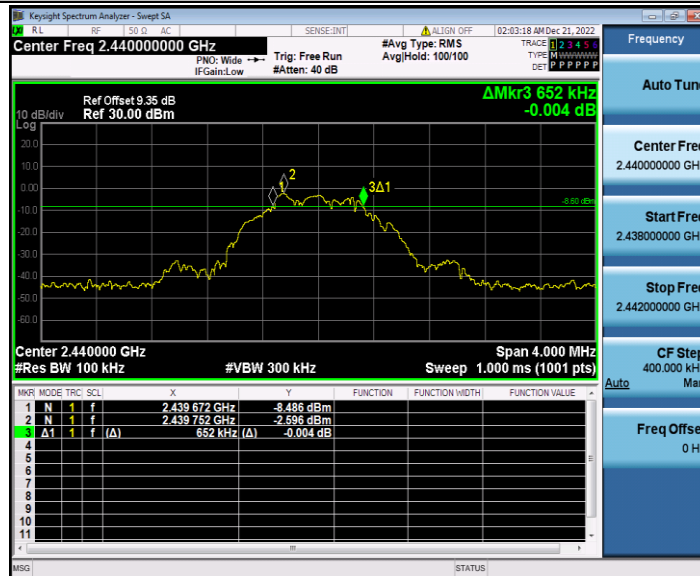
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.504	2401.668	2402.172	0.5	PASS
		2440	0.652	2439.672	2440.324	0.5	PASS
		2480	0.516	2479.664	2480.180	0.5	PASS

Test Graphs

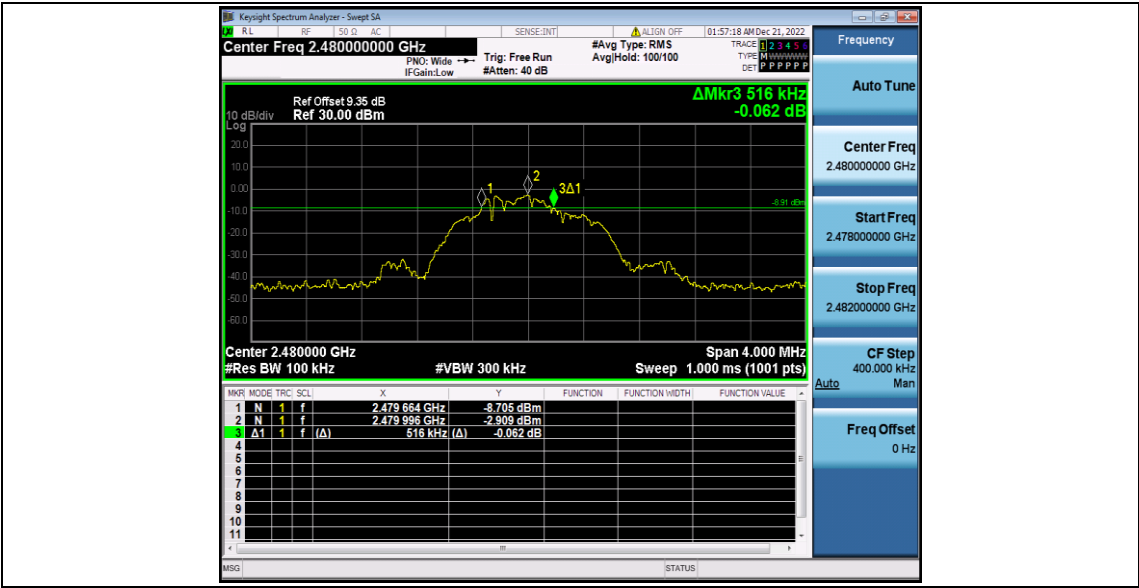
BLE_Ant1_2402



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	2401.479	2402.527	---	---
		2440	1.0370	2439.486	2440.523	---	---
		2480	1.0540	2479.479	2480.533	---	---

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	-3.58	≤30	PASS
		2440	-2.08	≤30	PASS
		2480	-2.05	≤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	-22.96	≤8.00	PASS
		2440	-15.74	≤8.00	PASS
		2480	-20.68	≤8.00	PASS

Test Graphs

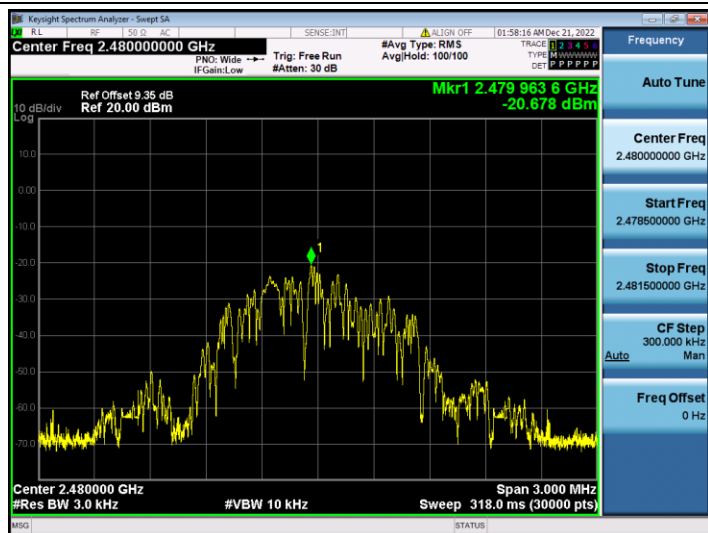
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



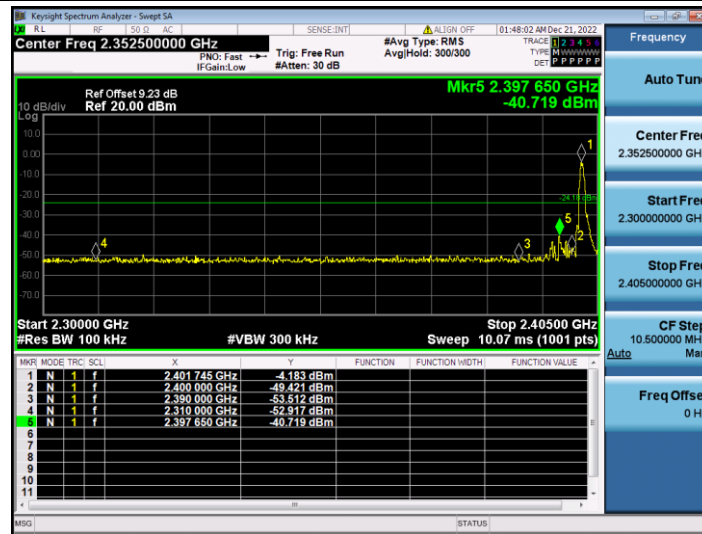
Appendix B.5: Band edge measurements

Test Result

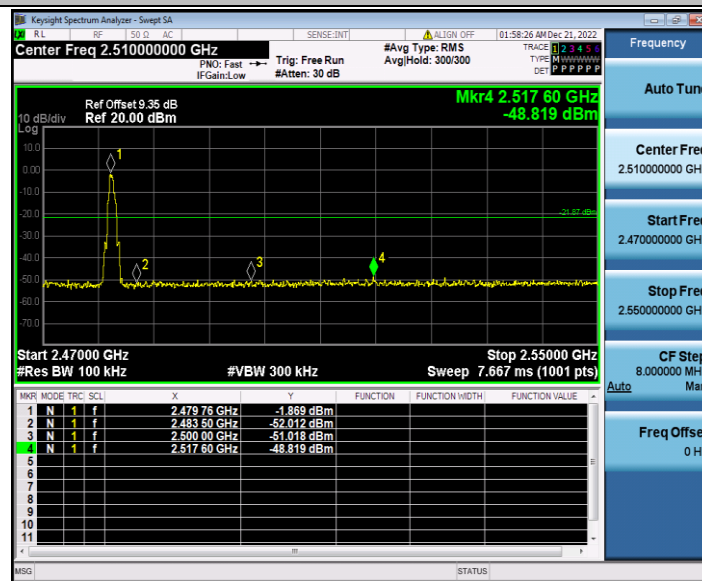
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-4.18	-40.72	≤-24.18	PASS
		High	2480	-1.87	-48.82	≤-21.87	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

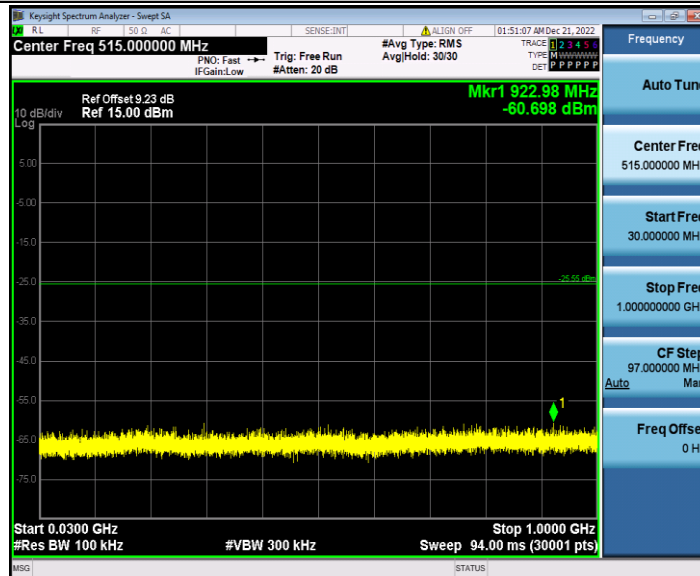
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-5.55	-5.55	---	PASS
			30~1000	-5.55	-60.7	≤-25.55	PASS
			1000~26500	-5.55	-47.49	≤-25.55	PASS
		2440	Reference	-3.87	-3.87	---	PASS
			30~1000	-3.87	-60.4	≤-23.87	PASS
			1000~26500	-3.87	-47.84	≤-23.87	PASS
		2480	Reference	-2.48	-2.48	---	PASS
			30~1000	-2.48	-59.99	≤-22.48	PASS
			1000~26500	-2.48	-47.88	≤-22.48	PASS

Test Graphs

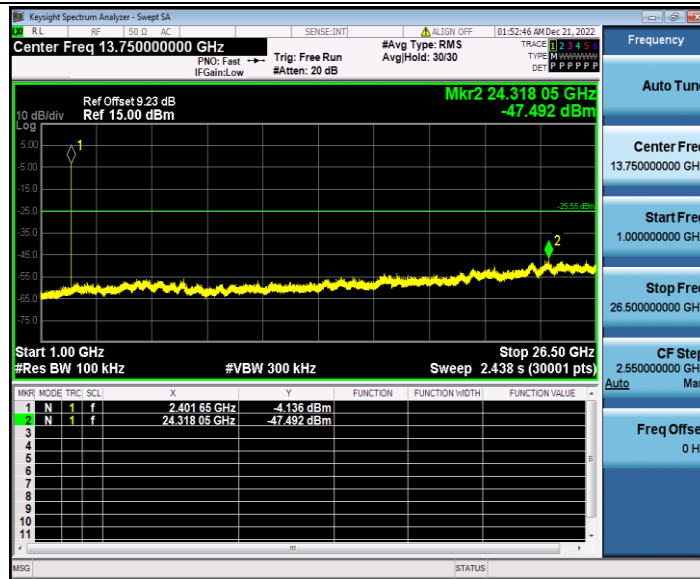
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



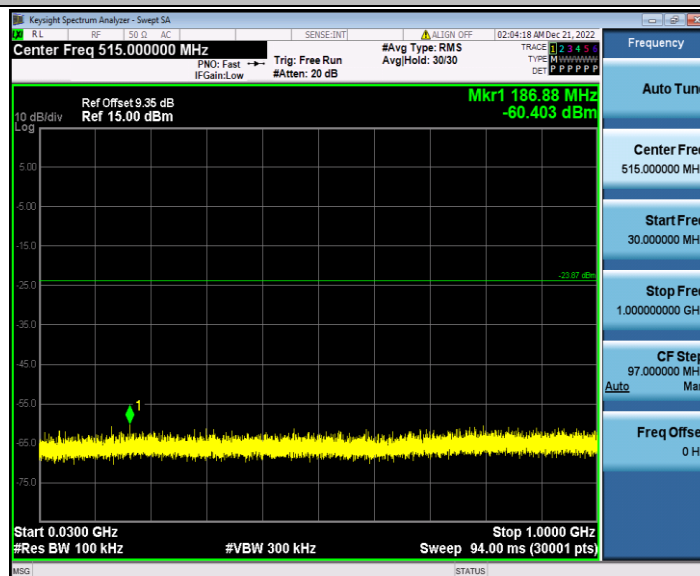
BLE_Ant1_2402_1000~26500



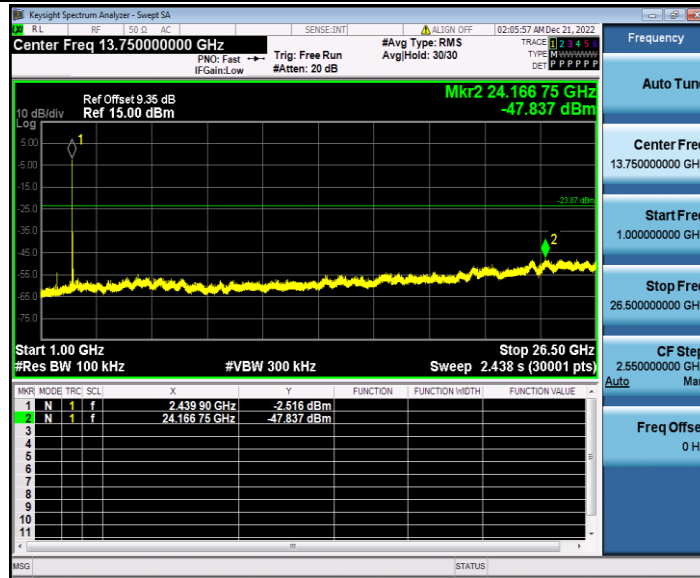
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



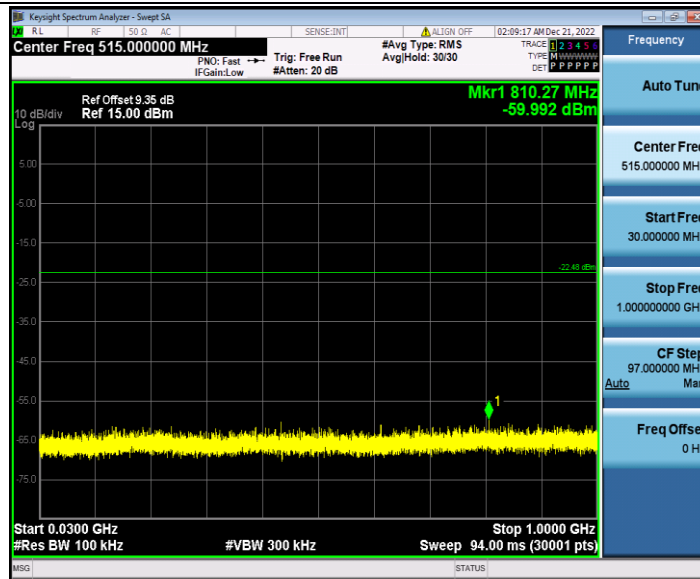
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

