

Case No. : <u>GTS20221114014-1-2</u>	
Ambient Condition: <u>24</u> °C, <u>50</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.24</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	2401.708	2402.212	0.5	PASS
		2440	0.648	2439.712	2440.360	0.5	PASS
		2480	0.612	2479.744	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	1.0658	2401.506	2402.572	---	---
		2440	1.0619	2439.513	2440.574	---	---
		2480	1.0785	2479.499	2480.577	---	---

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	-0.89	≤30	PASS
		2440	0.99	≤30	PASS
		2480	0.69	≤30	PASS

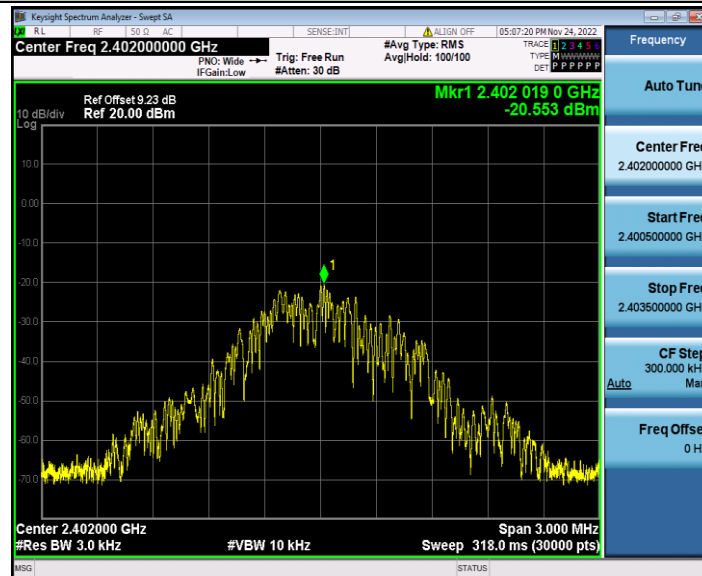
Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-20.55	≤8.00	PASS
		2440	-16.83	≤8.00	PASS
		2480	-17.22	≤8.00	PASS

Test Graphs

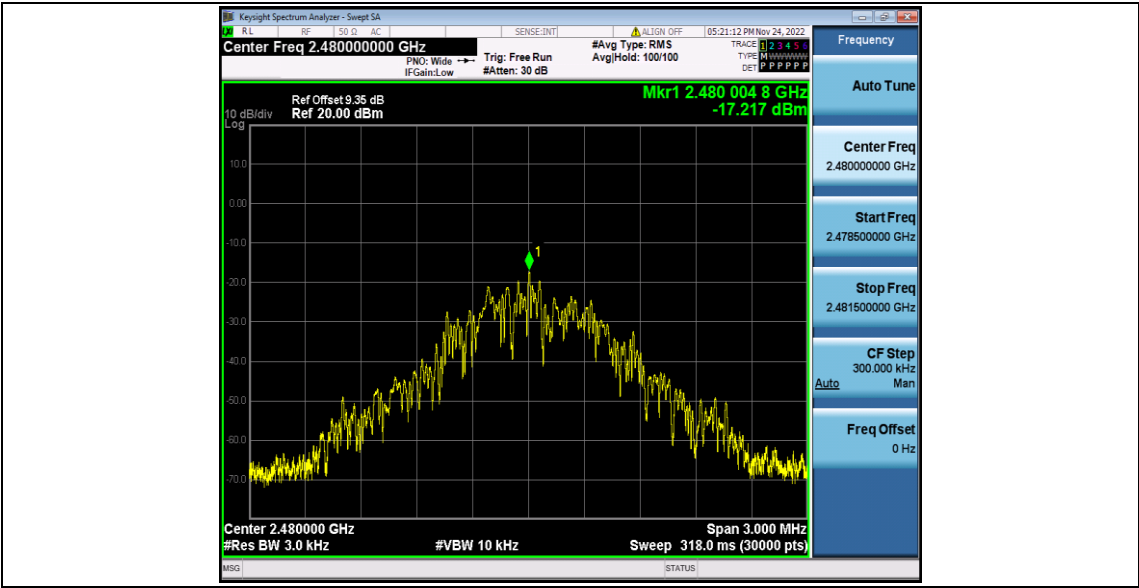
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



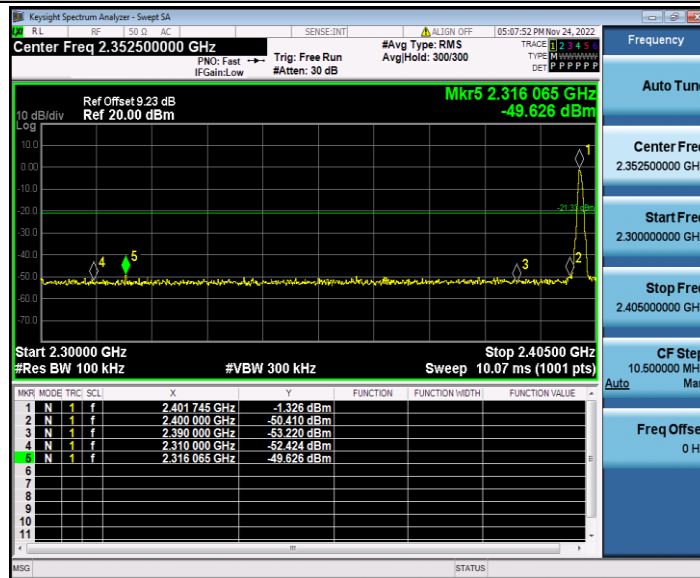
Appendix B.5: Band edge measurements

Test Result

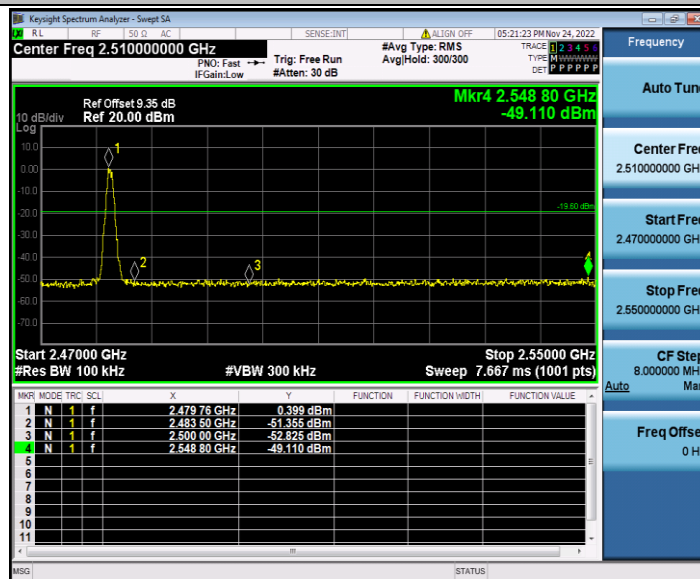
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-1.33	-49.63	≤-21.33	PASS
		High	2480	0.40	-49.11	≤-19.6	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

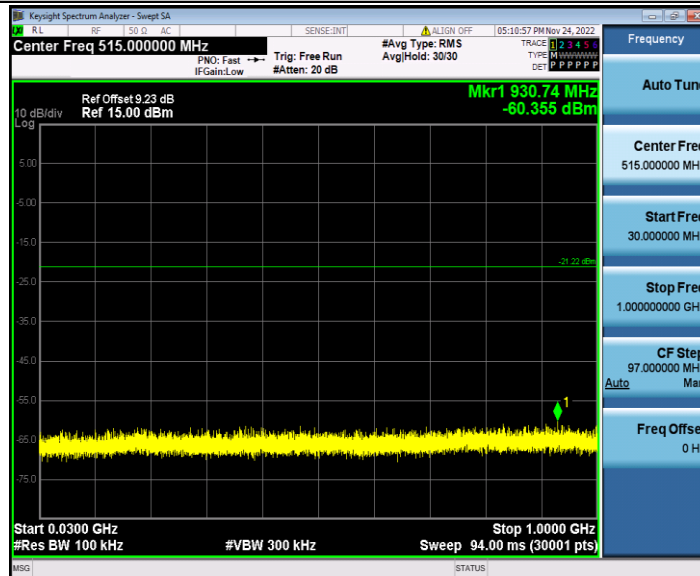
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-1.22	-1.22	---	PASS
			30~1000	-1.22	-60.36	≤ -21.22	PASS
			1000~26500	-1.22	-48.12	≤ -21.22	PASS
		2440	Reference	-0.37	-0.37	---	PASS
			30~1000	-0.37	-60.78	≤ -20.37	PASS
			1000~26500	-0.37	-44.75	≤ -20.37	PASS
		2480	Reference	-0.63	-0.63	---	PASS
			30~1000	-0.63	-60.75	≤ -20.63	PASS
			1000~26500	-0.63	-46.35	≤ -20.63	PASS

Test Graphs

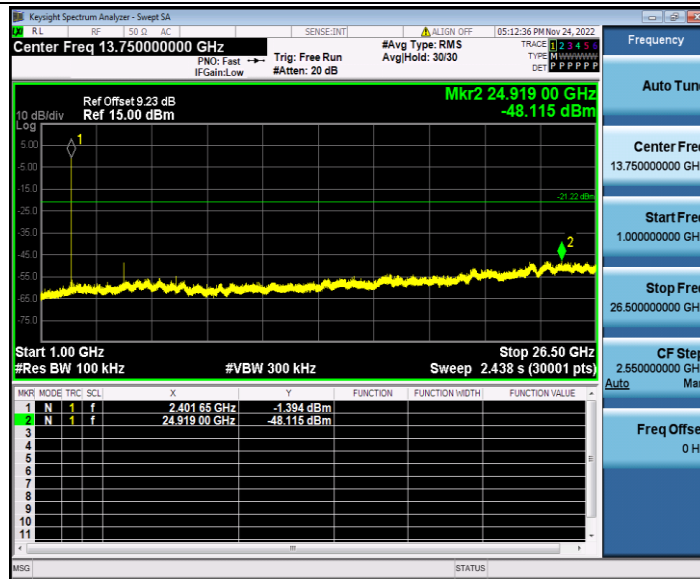
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



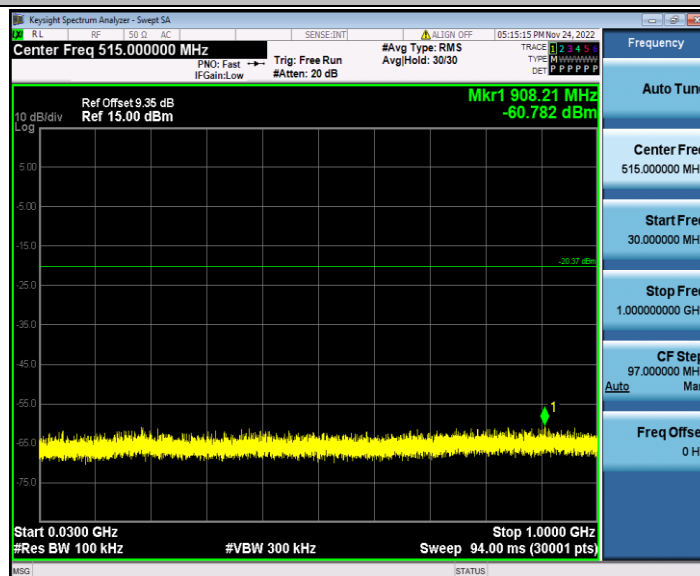
BLE_Ant1_2402_1000~26500



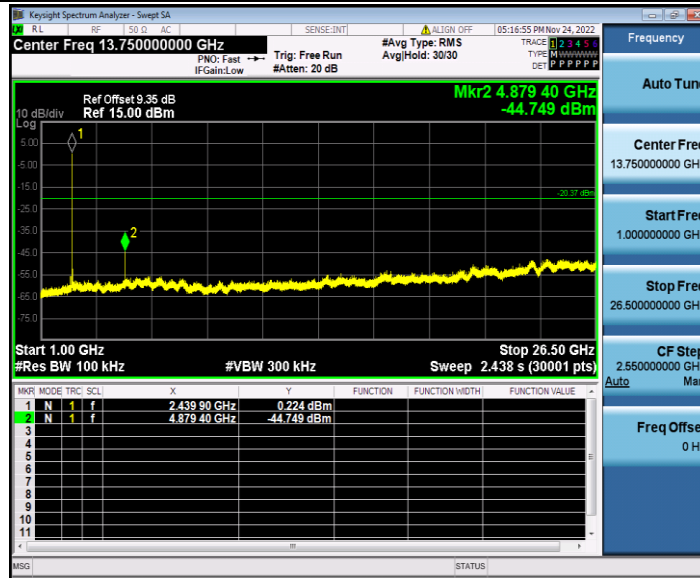
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



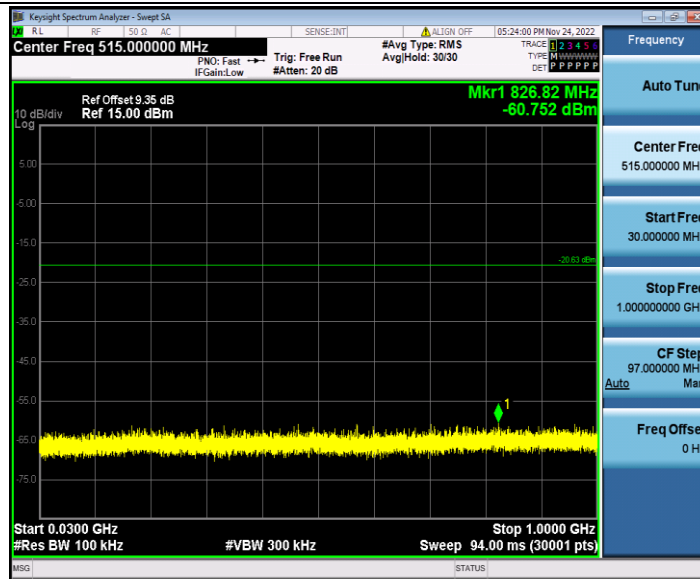
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

