

Case No. : <u>GTS20220723004-1-34</u>	
Ambient Condition: <u>25</u> °C, <u>47</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.8.25</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	0.700	2401.664	2402.364	0.5	PASS
		2440	0.696	2439.656	2440.352	0.5	PASS
		2480	0.716	2479.640	2480.356	0.5	PASS

Test Graphs

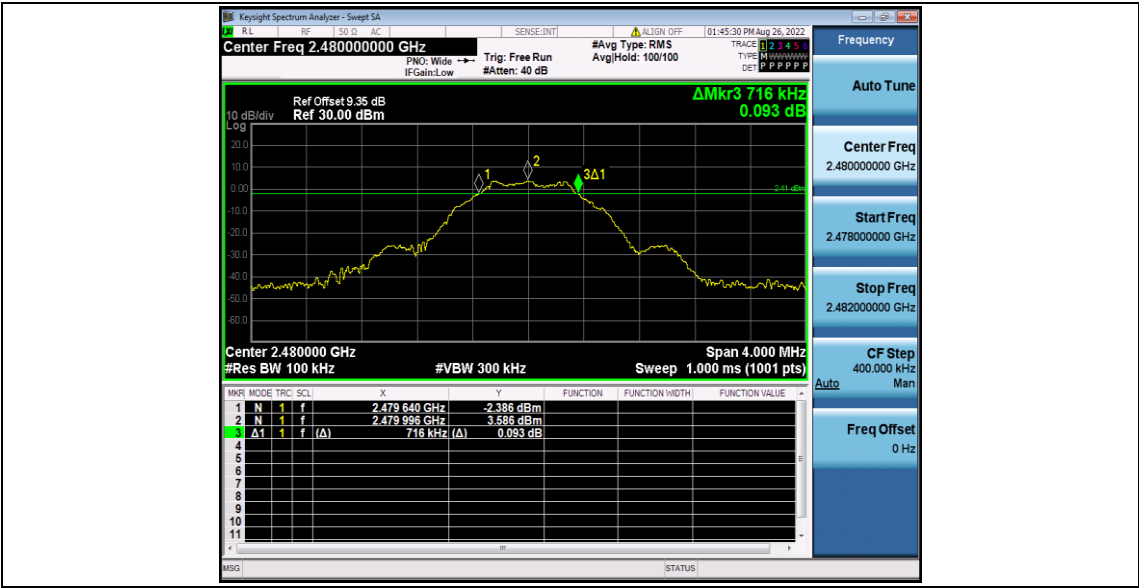
BLE_Ant1_2402



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	1.0634	2401.492	2402.556	---	---
		2440	1.0521	2439.484	2440.536	---	---
		2480	1.0637	2479.481	2480.544	---	---

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	3.95	≤30	PASS
		2440	5.19	≤30	PASS
		2480	4.77	≤30	PASS

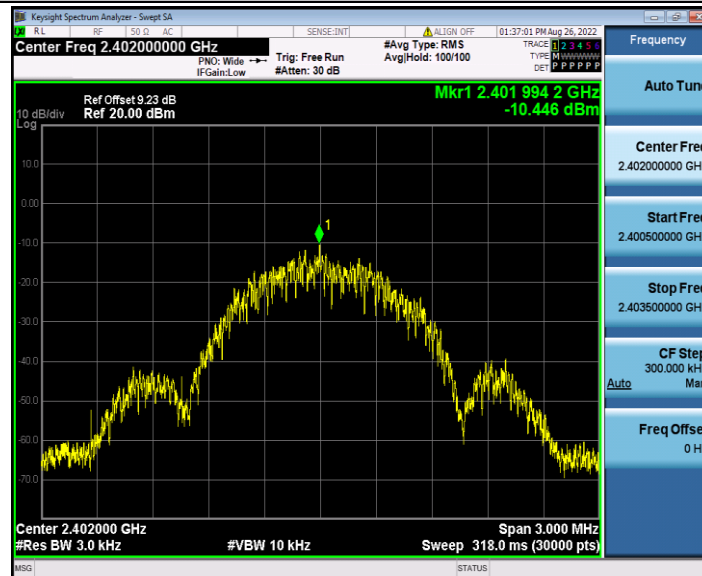
Appendix B.4: Maximum power spectral density

Test Result

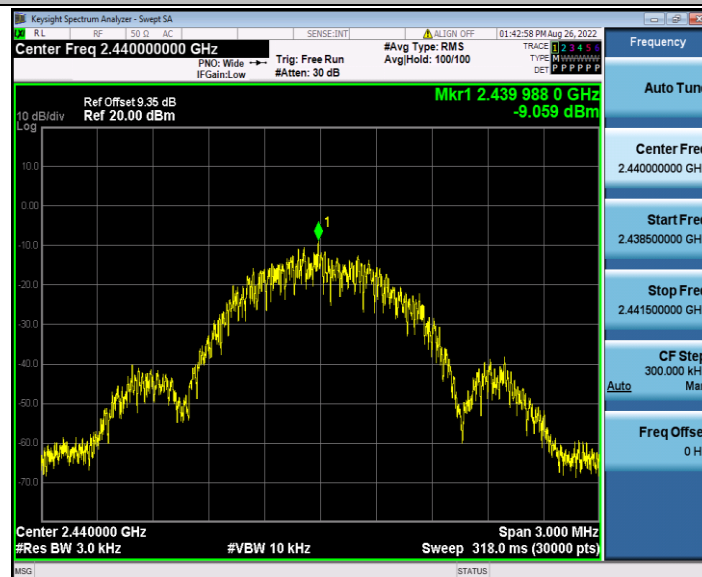
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.45	≤8.00	PASS
		2440	-9.06	≤8.00	PASS
		2480	-9.49	≤8.00	PASS

Test Graphs

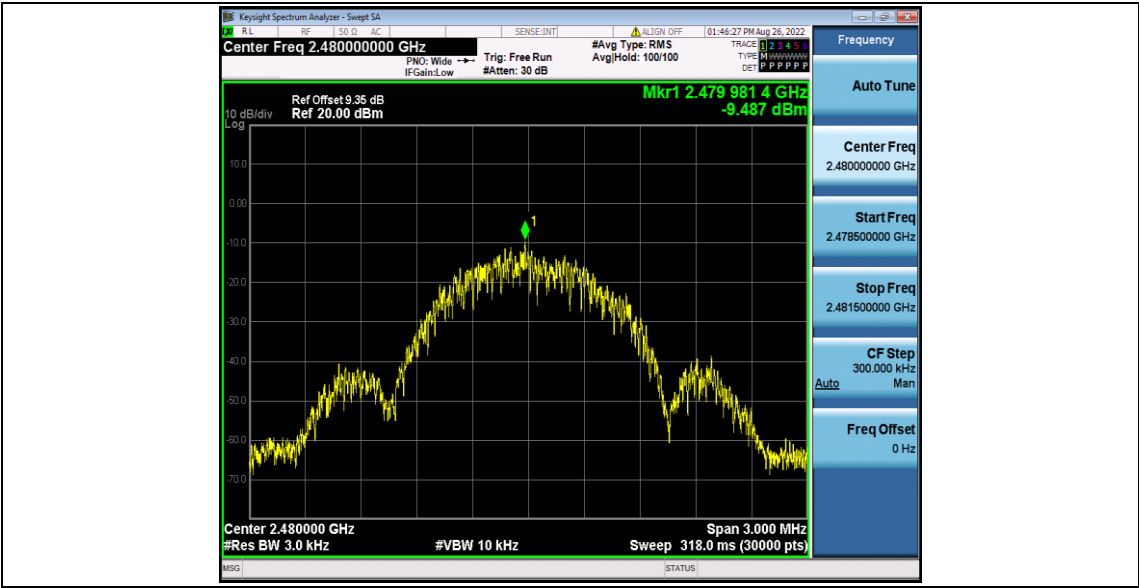
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



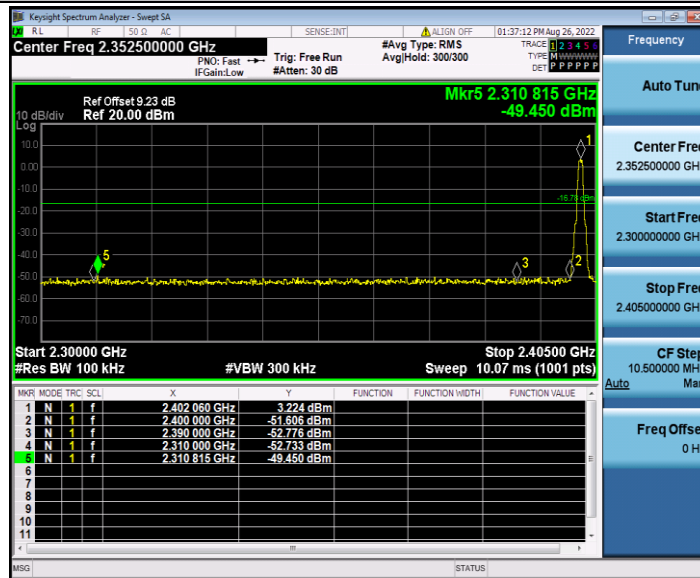
Appendix B.5: Band edge measurements

Test Result

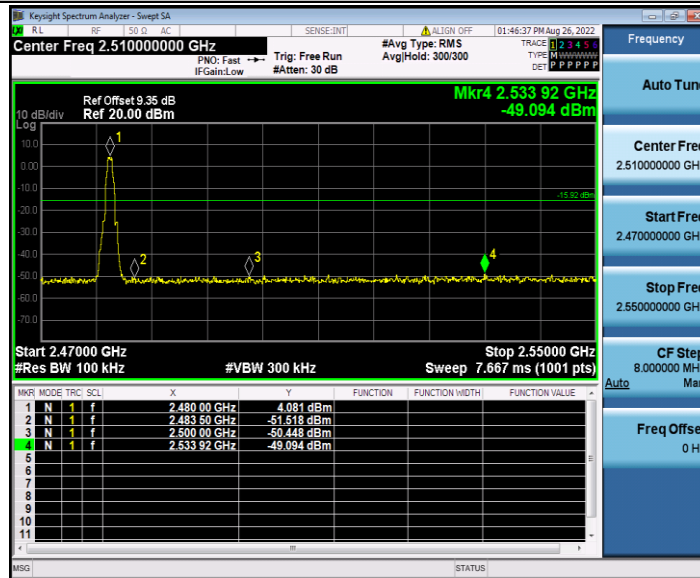
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	3.22	-49.45	≤-16.78	PASS
		High	2480	4.08	-49.09	≤-15.92	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

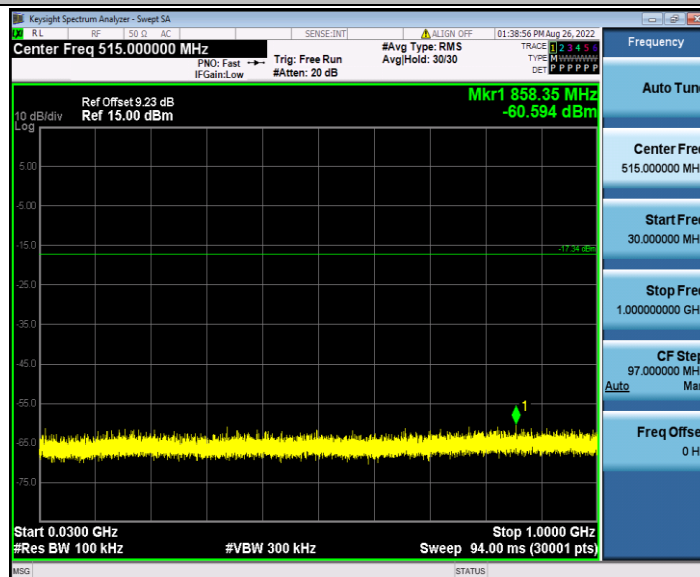
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	2.66	2.66	---	PASS
			30~1000	2.66	-60.59	≤ -17.34	PASS
			1000~26500	2.66	-47.02	≤ -17.34	PASS
		2440	Reference	4.38	4.38	---	PASS
			30~1000	4.38	-60.22	≤ -15.62	PASS
			1000~26500	4.38	-47.46	≤ -15.62	PASS
		2480	Reference	3.90	3.90	---	PASS
			30~1000	3.90	-60.28	≤ -16.1	PASS
			1000~26500	3.90	-47.76	≤ -16.1	PASS

Test Graphs

BLE_Ant1_2402_0~Reference

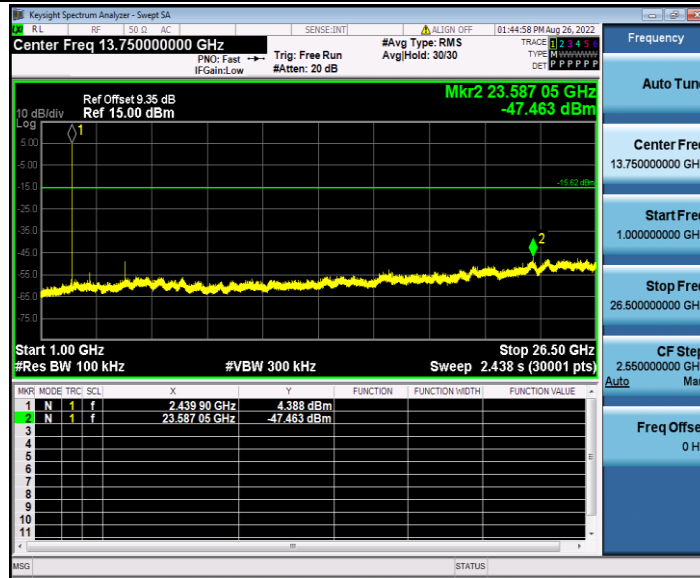


BLE_Ant1_2402_30~1000



BLE_Ant1_2402_1000~26500

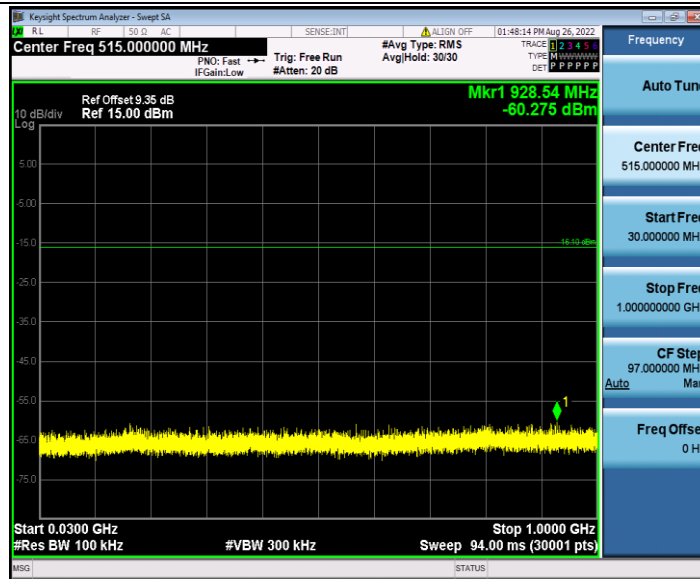
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

