

Case No. : <u>GTS20220808003-1-2</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.8.23</u>	Test Engineer: <u>Jenny zeng</u>

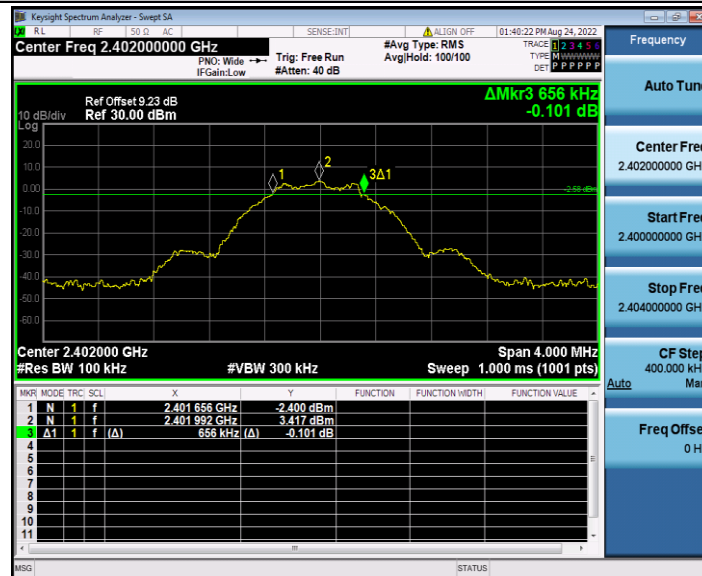
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.656	2401.656	2402.312	0.5	PASS
		2440	0.660	2439.656	2440.316	0.5	PASS
		2480	0.672	2479.644	2480.316	0.5	PASS

Test Graphs

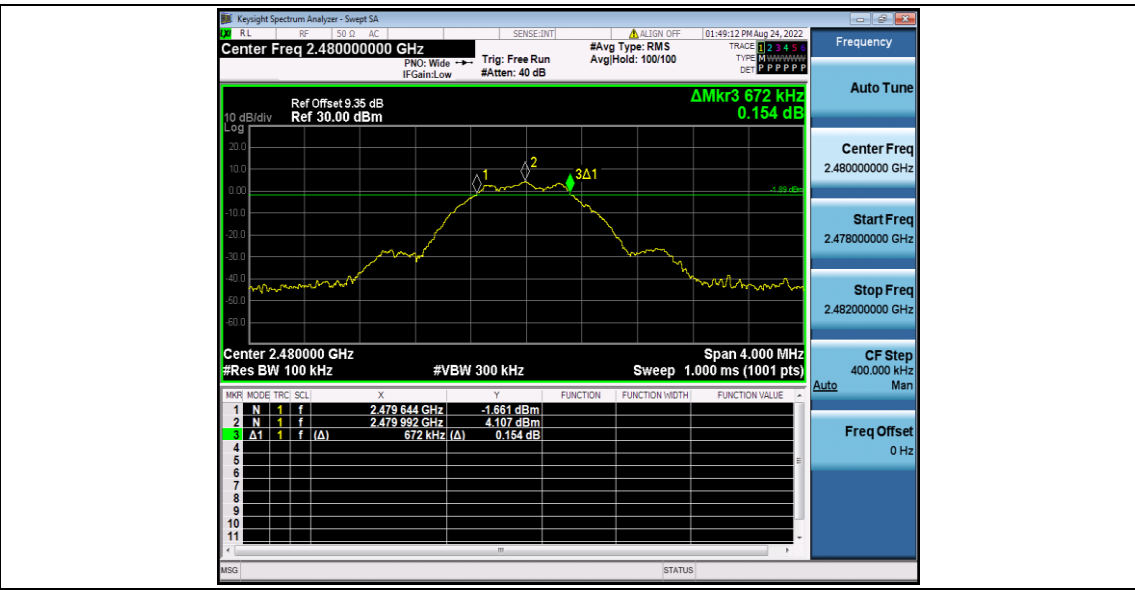
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix B.2: Occupied Channel Bandwidth

Test Result

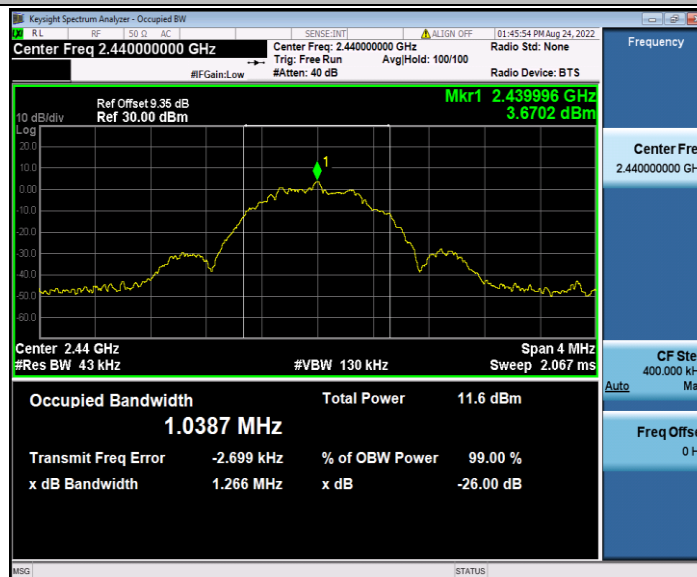
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0368	2401.477	2402.513	---	---
		2440	1.0387	2439.478	2440.517	---	---
		2480	1.0450	2479.471	2480.516	---	---

Test Graphs

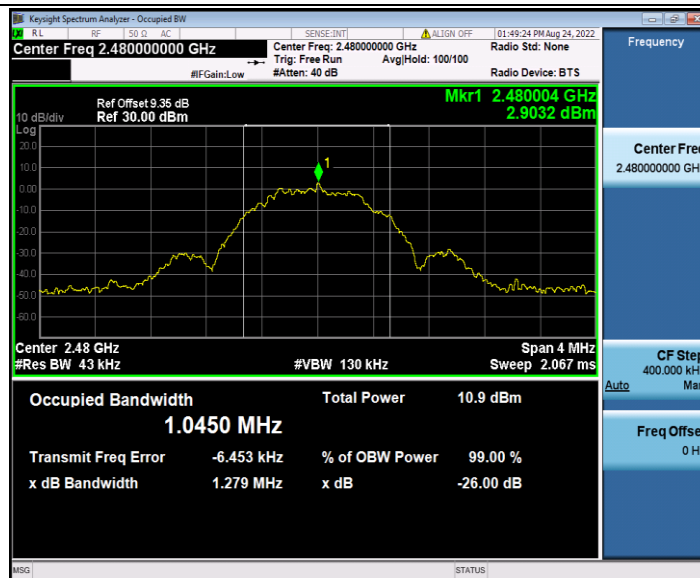
BLE_Ant1_2402



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	3.54	≤30	PASS
		2440	4.67	≤30	PASS
		2480	4.29	≤30	PASS

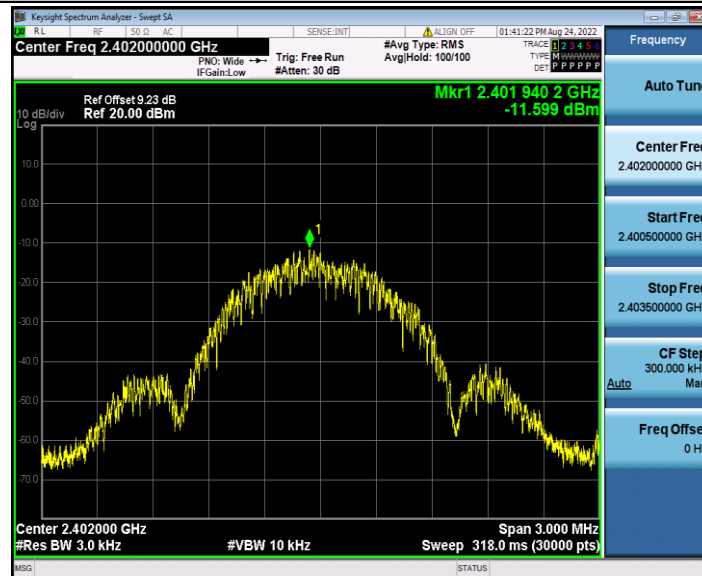
Appendix B.4: Maximum power spectral density

Test Result

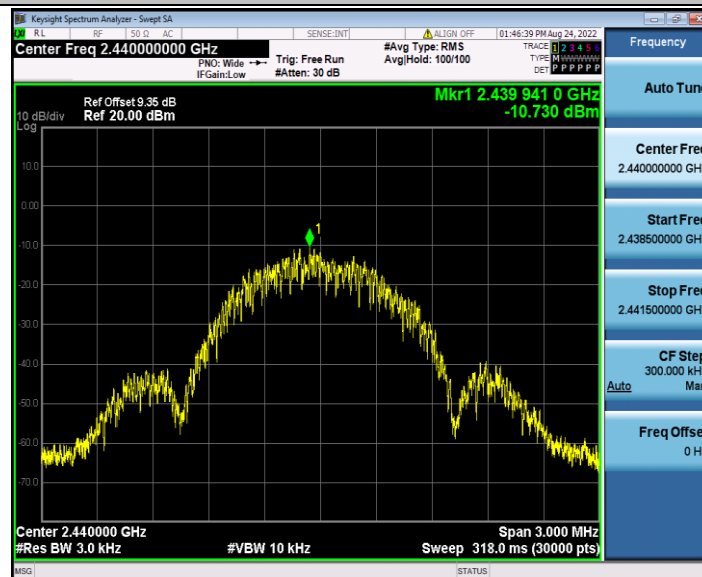
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-11.60	≤8.00	PASS
		2440	-10.73	≤8.00	PASS
		2480	-11.25	≤8.00	PASS

Test Graphs

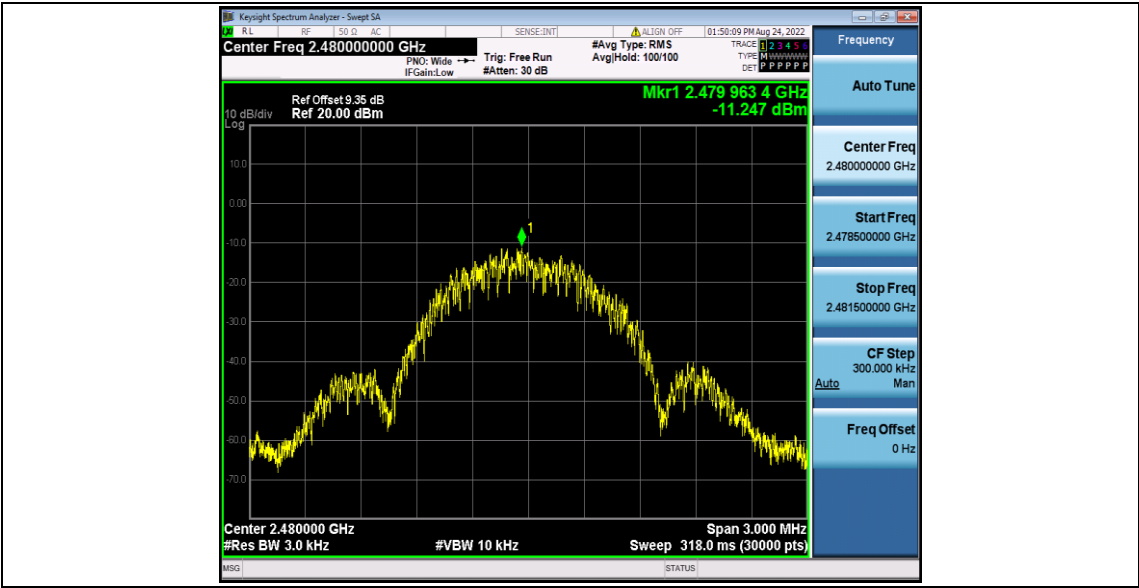
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



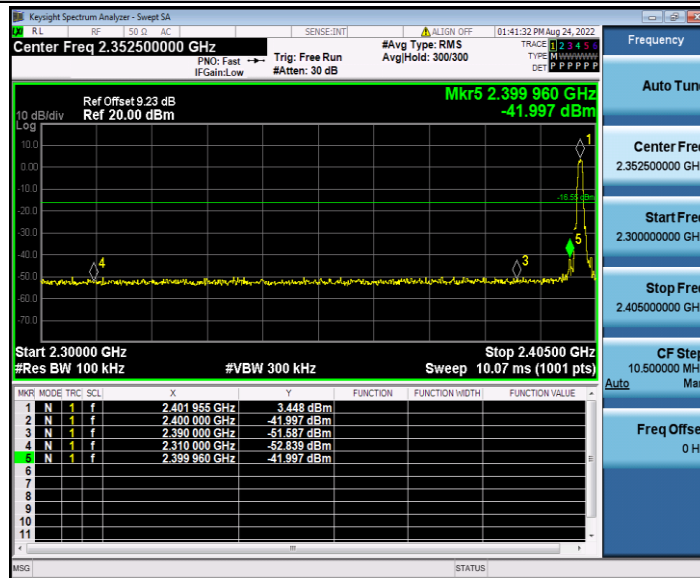
Appendix B.5: Band edge measurements

Test Result

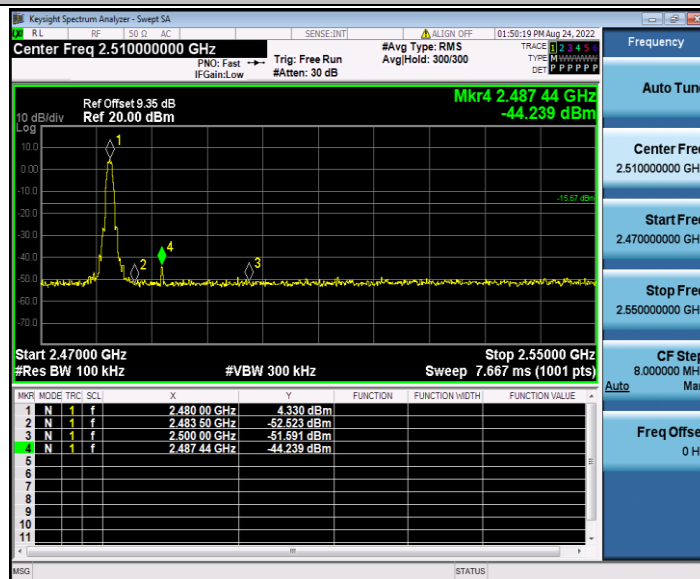
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	3.45	-42.00	≤-16.55	PASS
		High	2480	4.33	-44.24	≤-15.67	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

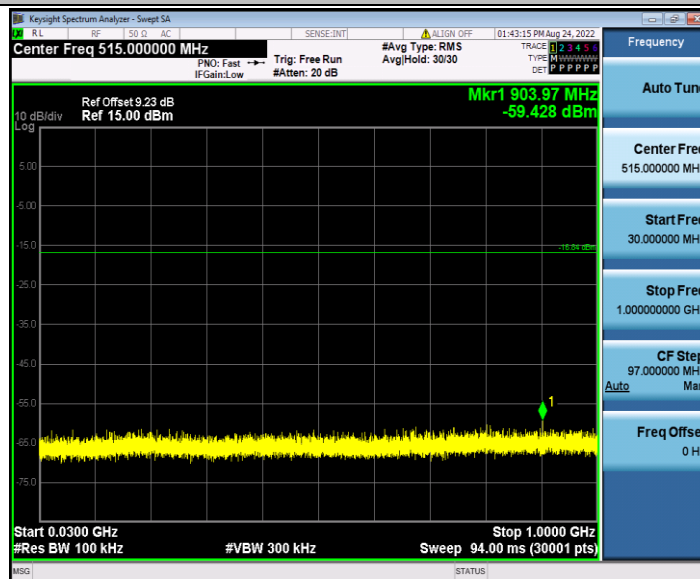
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	3.16	3.16	---	PASS
			30~1000	3.16	-59.43	$\leq$ -16.84	PASS
			1000~26500	3.16	-47.92	$\leq$ -16.84	PASS
		2440	Reference	3.53	3.53	---	PASS
			30~1000	3.53	-60.29	$\leq$ -16.47	PASS
			1000~26500	3.53	-47.73	$\leq$ -16.47	PASS
		2480	Reference	4.15	4.15	---	PASS
			30~1000	4.15	-60.23	$\leq$ -15.85	PASS
			1000~26500	4.15	-47.51	$\leq$ -15.85	PASS

Test Graphs

BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



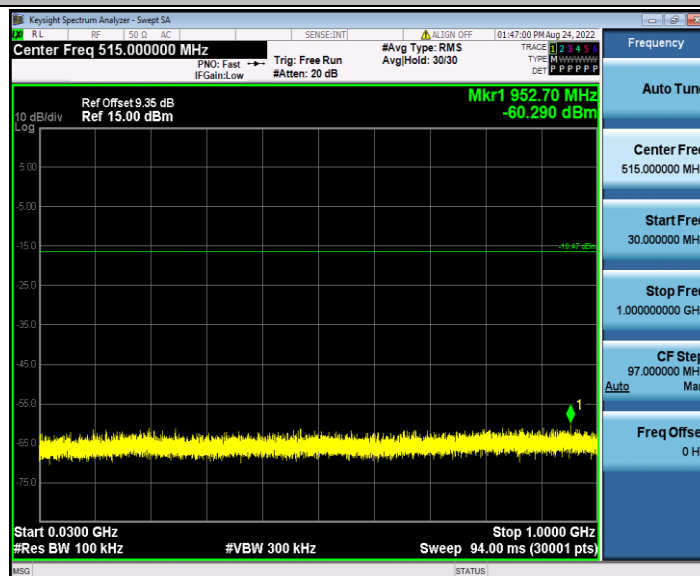
BLE_Ant1_2402_1000~26500



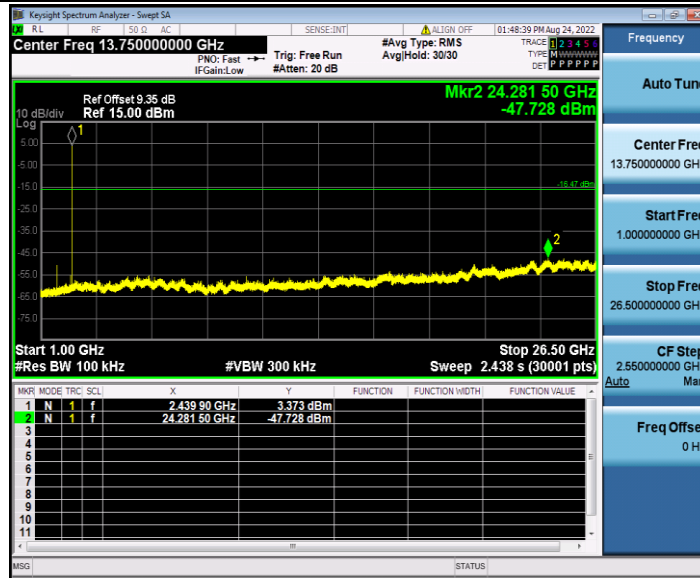
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



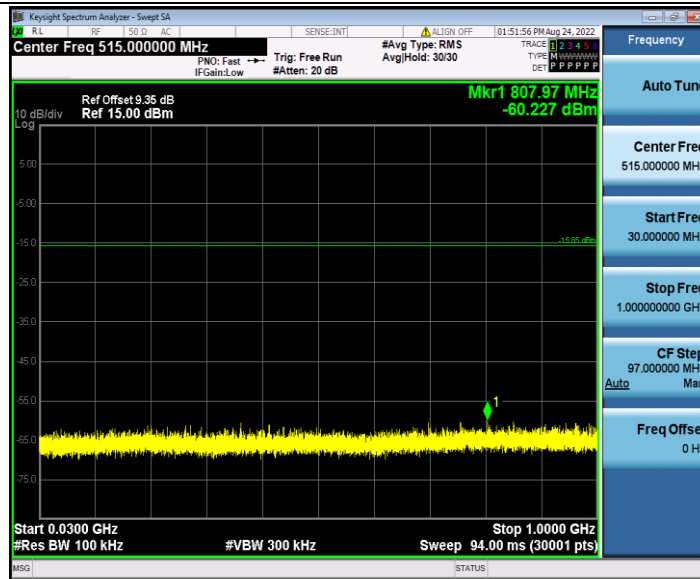
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

