

Case No. : <u>GTS20221219016-1-2</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.1.4</u>	Test Engineer: <u>Jenny zeng</u>

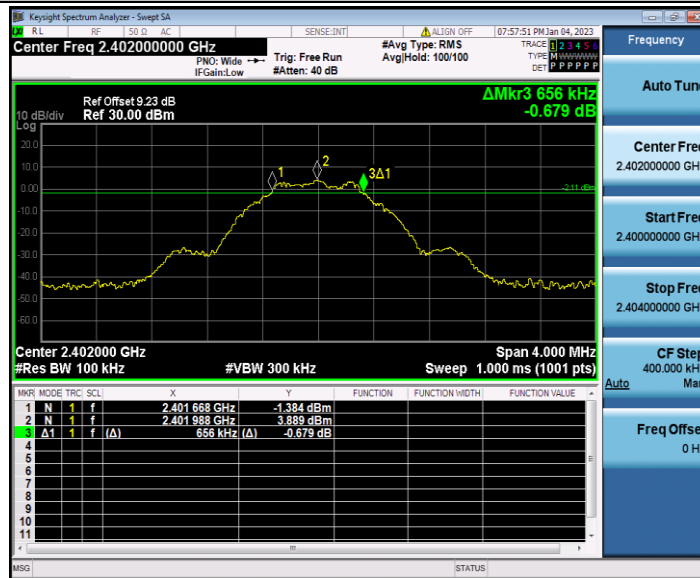
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.656	2401.668	2402.324	0.5	PASS
		2440	0.652	2439.668	2440.320	0.5	PASS
		2480	0.712	2479.636	2480.348	0.5	PASS

Test Graphs

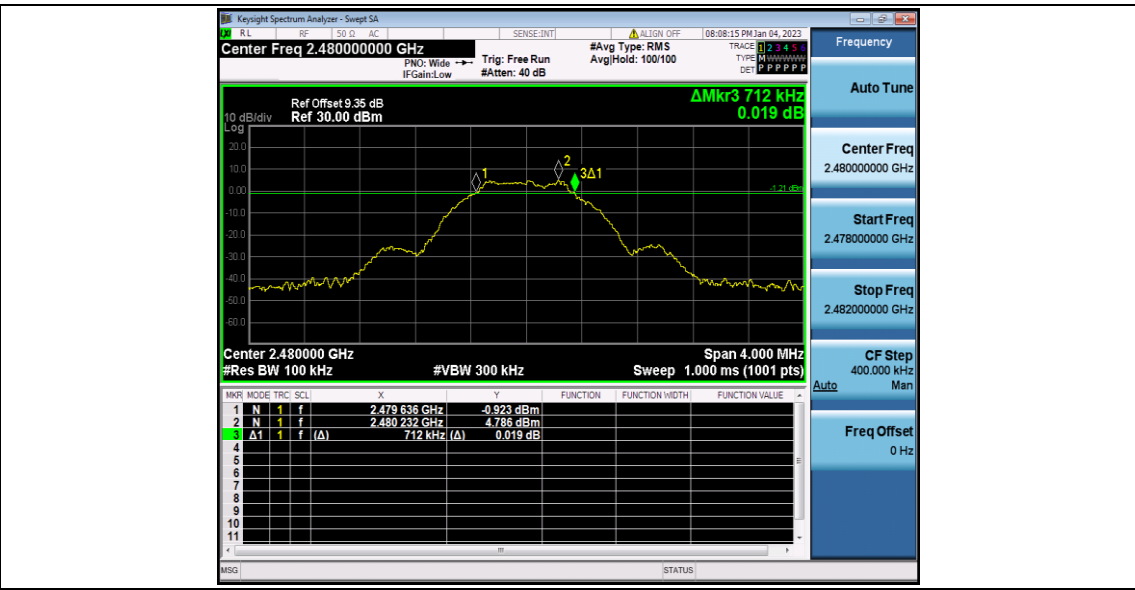
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



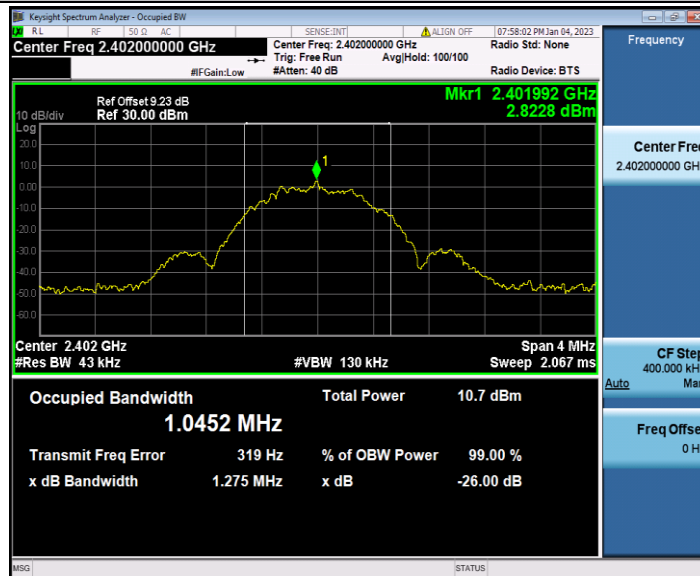
Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0452	2401.478	2402.523	---	---
		2440	1.0380	2439.482	2440.520	---	---
		2480	1.0420	2479.475	2480.517	---	---

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	4.24	≤30	PASS
		2440	5.05	≤30	PASS
		2480	5.84	≤30	PASS

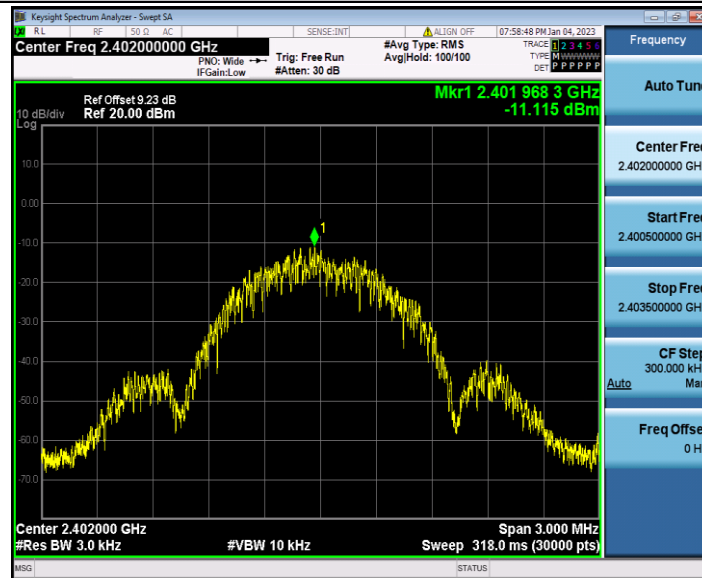
Appendix B.4: Maximum power spectral density

Test Result

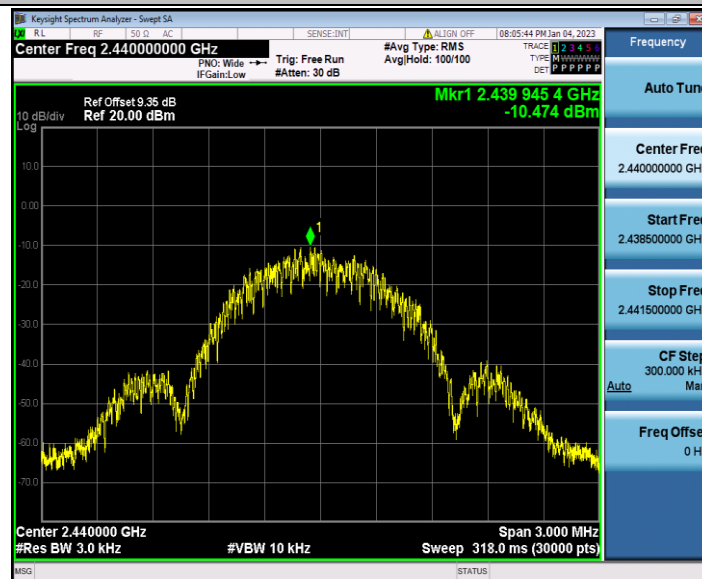
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-11.12	≤8.00	PASS
		2440	-10.47	≤8.00	PASS
		2480	-9.97	≤8.00	PASS

Test Graphs

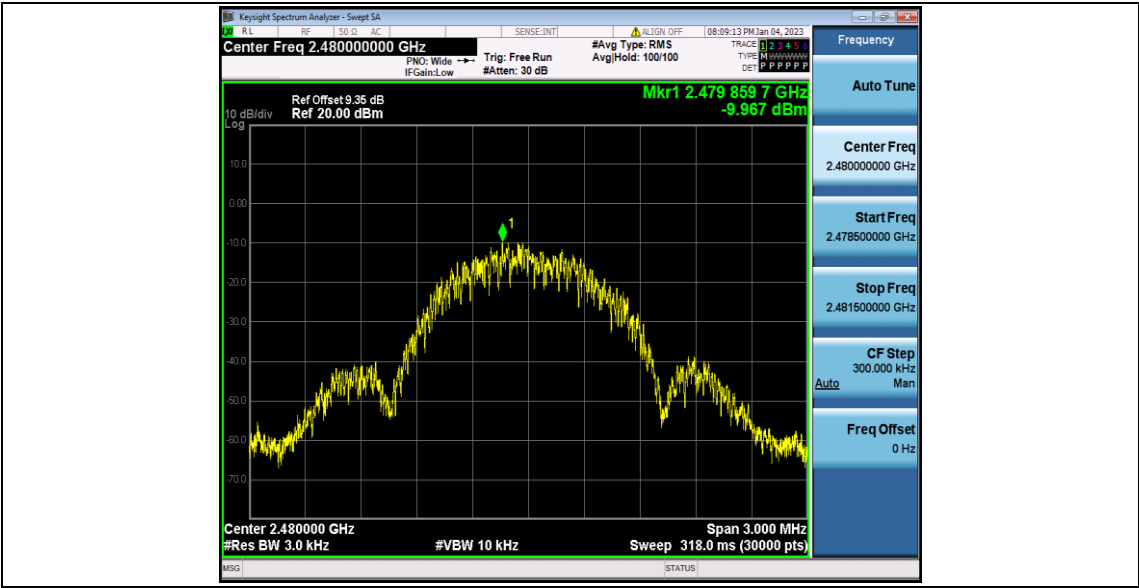
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



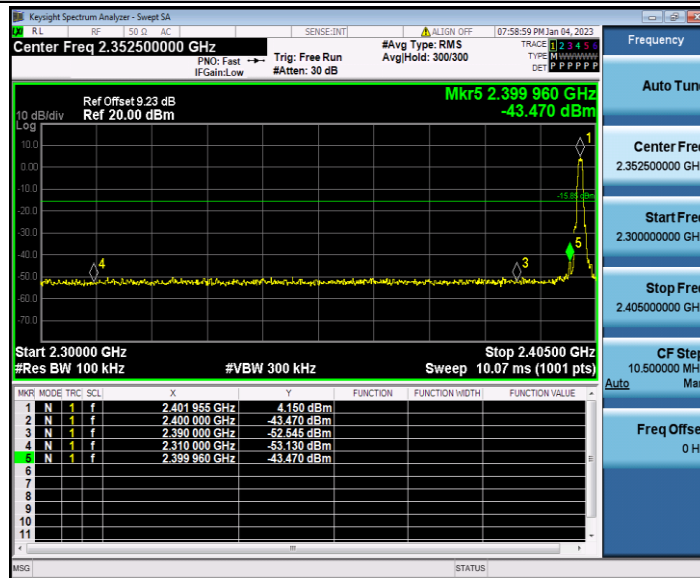
Appendix B.5: Band edge measurements

Test Result

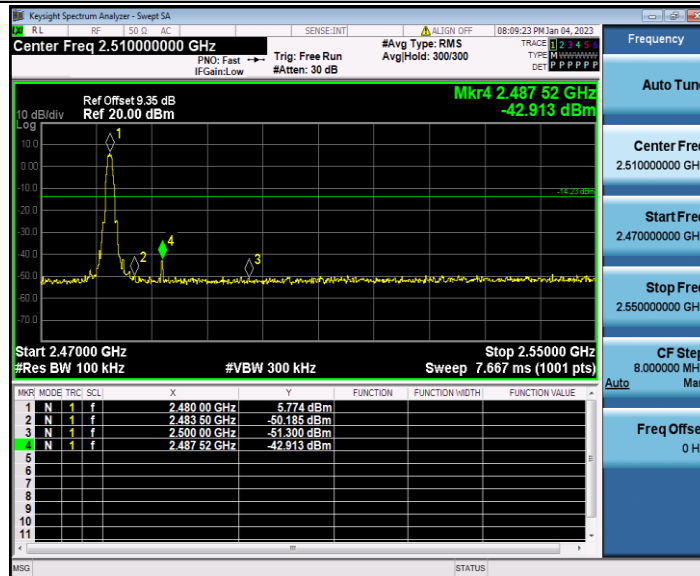
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	4.15	-43.47	≤-15.85	PASS
		High	2480	5.77	-42.91	≤-14.23	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

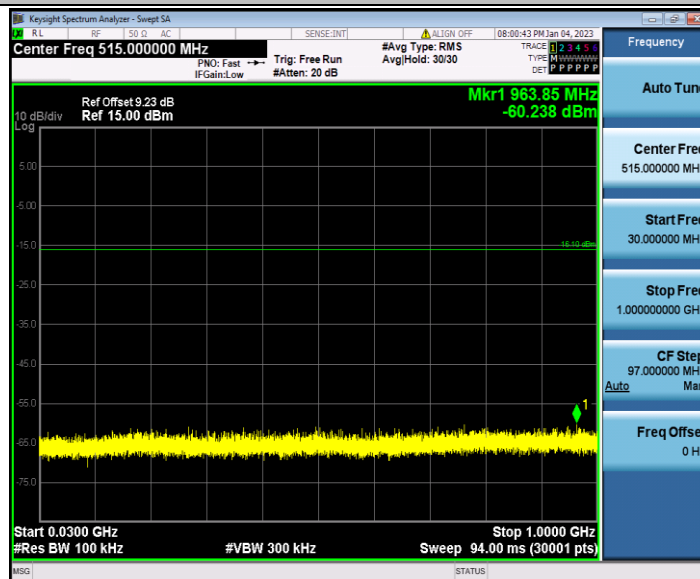
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	3.90	3.90	---	PASS
			30~1000	3.90	-60.24	≤ -16.1	PASS
			1000~26500	3.90	-47.07	≤ -16.1	PASS
		2440	Reference	3.93	3.93	---	PASS
			30~1000	3.93	-59.45	≤ -16.07	PASS
			1000~26500	3.93	-47.2	≤ -16.07	PASS
		2480	Reference	4.76	4.76	---	PASS
			30~1000	4.76	-59.67	≤ -15.24	PASS
			1000~26500	4.76	-48.14	≤ -15.24	PASS

Test Graphs

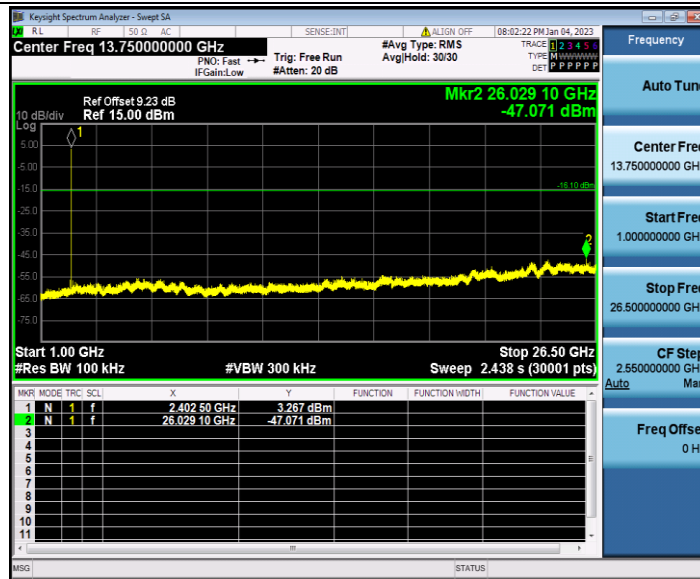
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



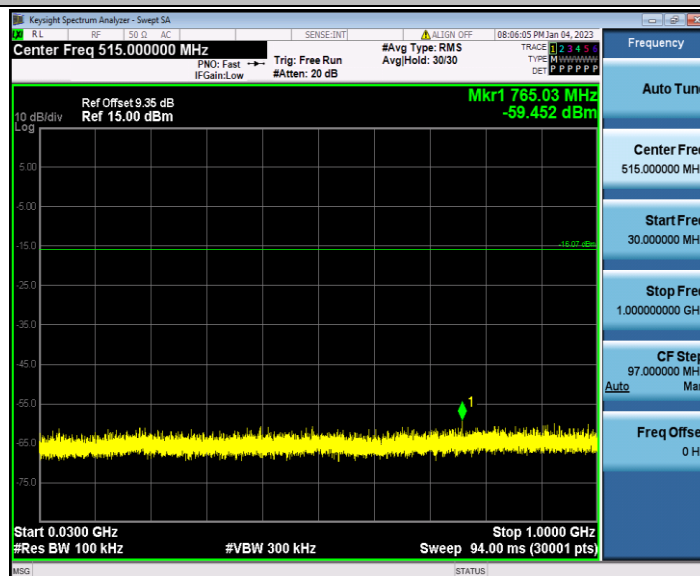
BLE_Ant1_2402_1000~26500



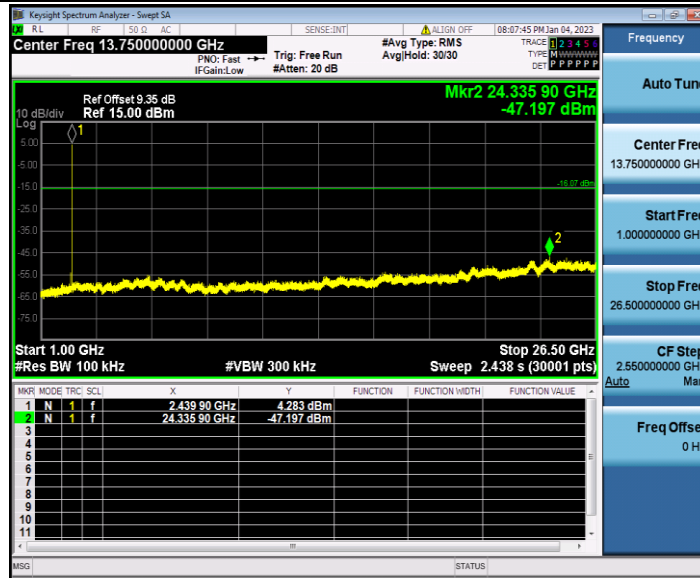
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



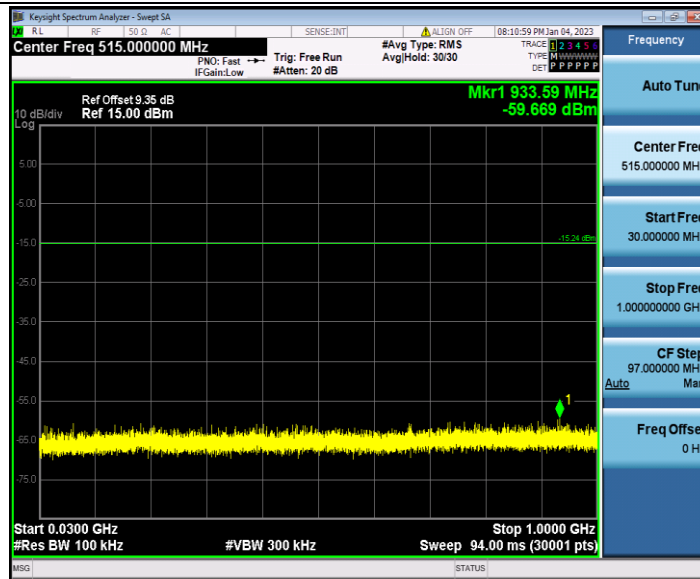
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

