

Case No. : <u>GTS20221012010-1-15</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.21</u>	Test Engineer: <u>Jenny zeng</u>

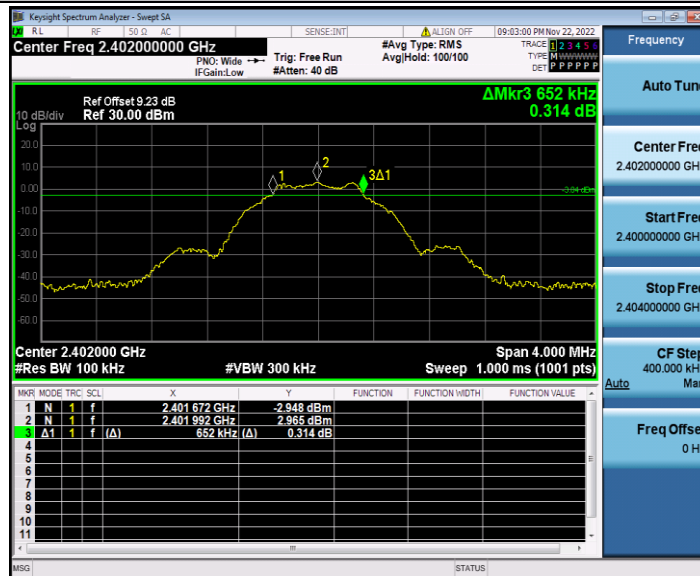
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.652	2401.672	2402.324	0.5	PASS
		2440	0.688	2439.656	2440.344	0.5	PASS
		2480	0.700	2479.628	2480.328	0.5	PASS

Test Graphs

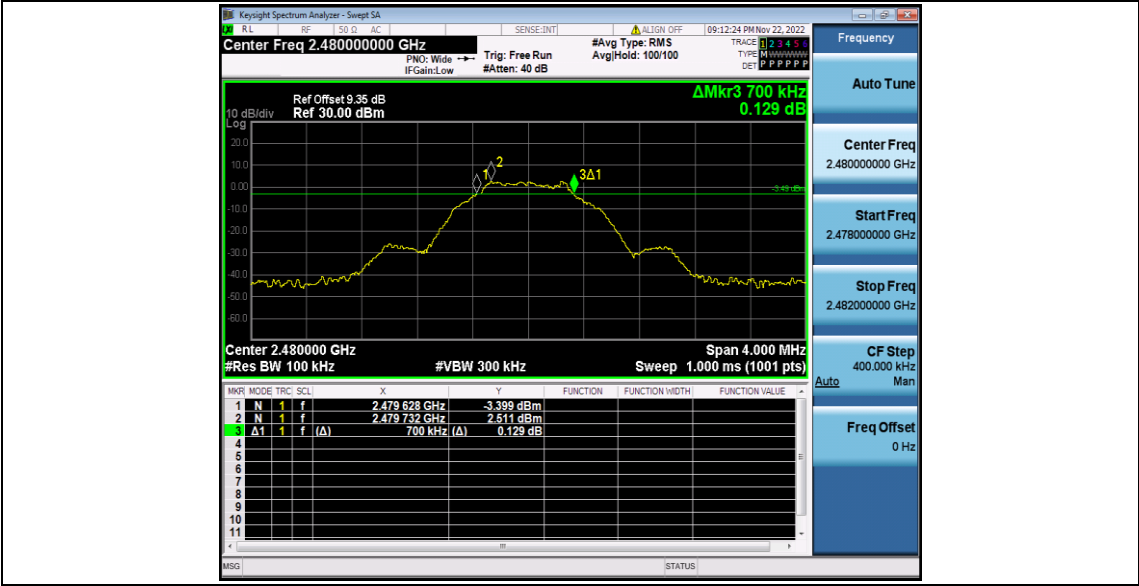
BLE_Ant1_2402



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	1.0474	2401.481	2402.529	---	---
		2440	1.0436	2439.484	2440.528	---	---
		2480	1.0425	2479.479	2480.522	---	---

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	3.5	≤30	PASS
		2440	4.74	≤30	PASS
		2480	3.87	≤30	PASS

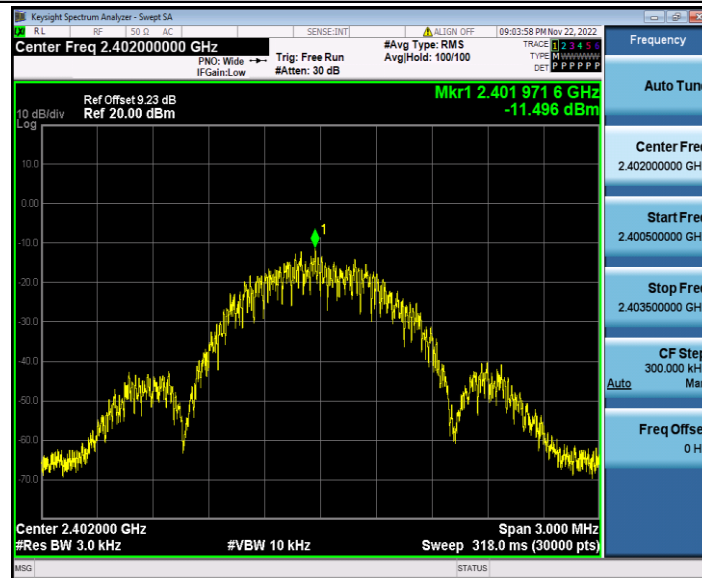
Appendix B.4: Maximum power spectral density

Test Result

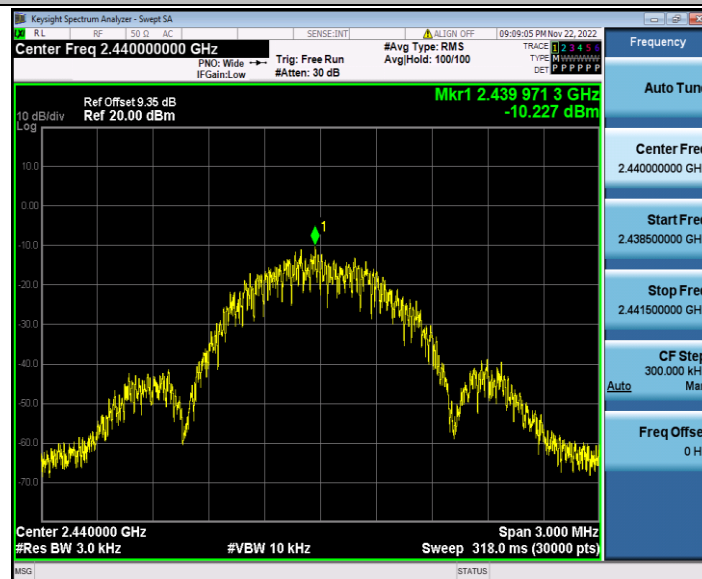
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-11.5	≤8.00	PASS
		2440	-10.23	≤8.00	PASS
		2480	-10.83	≤8.00	PASS

Test Graphs

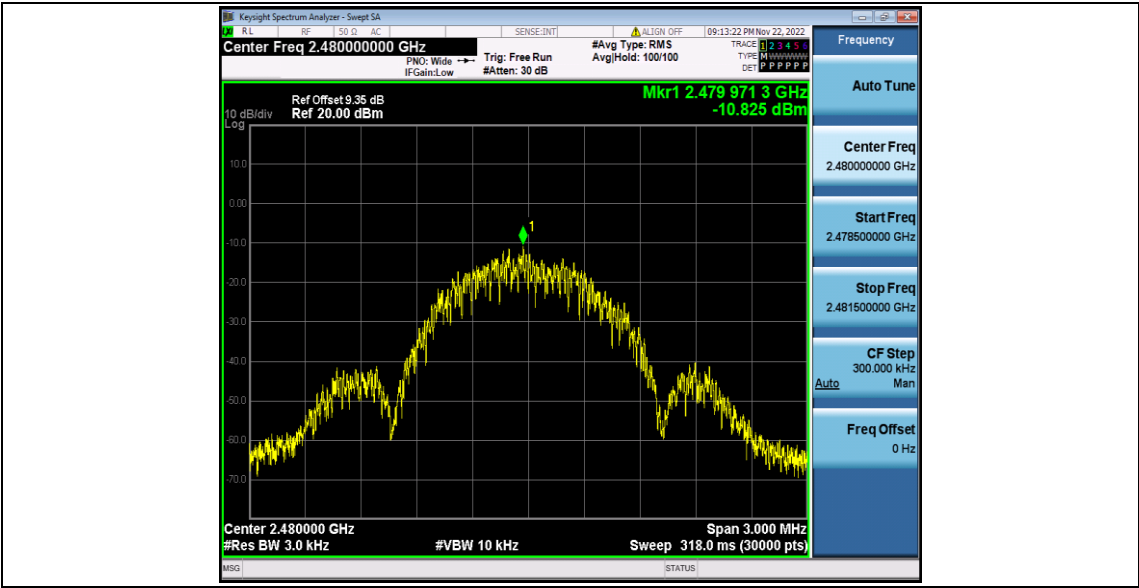
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



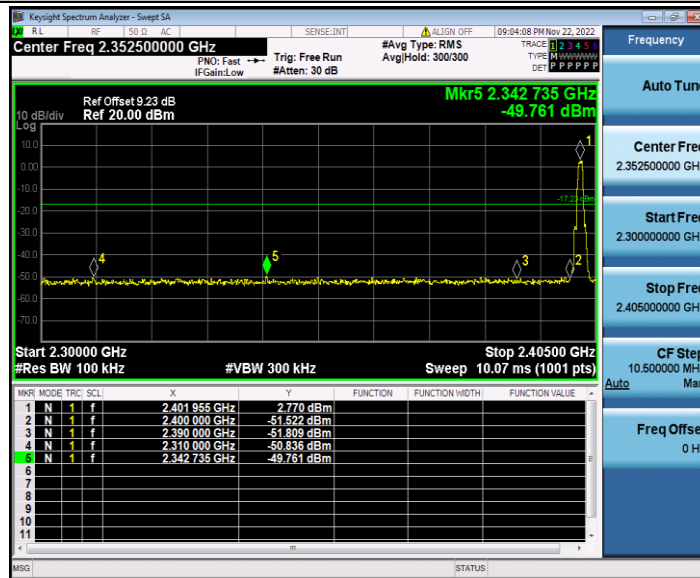
Appendix B.6: Band edge measurements

Test Result

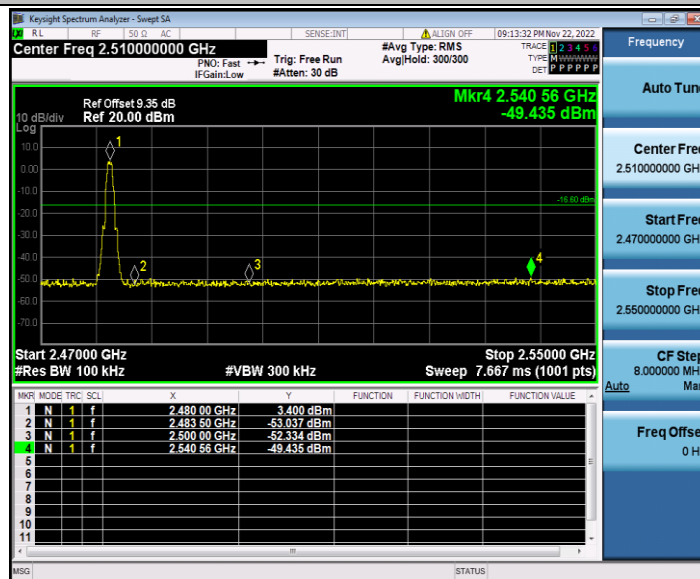
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	2.77	-49.76	≤-17.23	PASS
		High	2480	3.40	-49.44	≤-16.6	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.7: Conducted Spurious Emission

Test Result

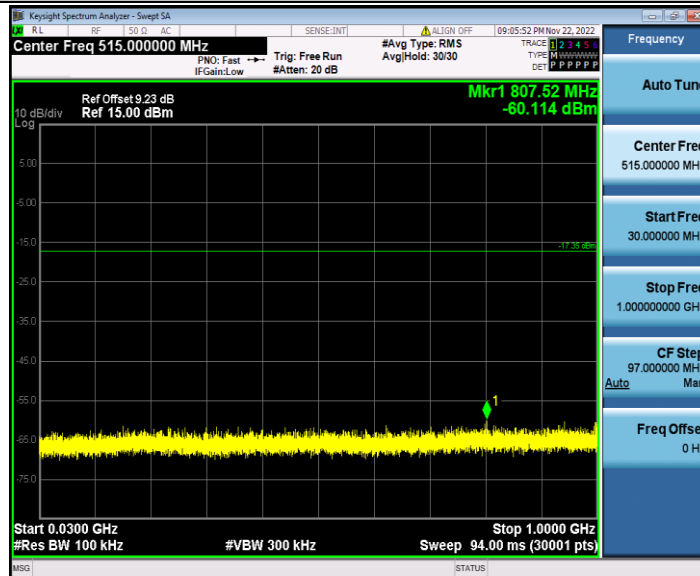
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	2.65	2.65	---	PASS
			30~1000	2.65	-60.11	≤ -17.35	PASS
			1000~26500	2.65	-47.33	≤ -17.35	PASS
		2440	Reference	3.84	3.84	---	PASS
			30~1000	3.84	-60.25	≤ -16.16	PASS
			1000~26500	3.84	-47.86	≤ -16.16	PASS
		2480	Reference	2.86	2.86	---	PASS
			30~1000	2.86	-60.24	≤ -17.14	PASS
			1000~26500	2.86	-47	≤ -17.14	PASS

Test Graphs

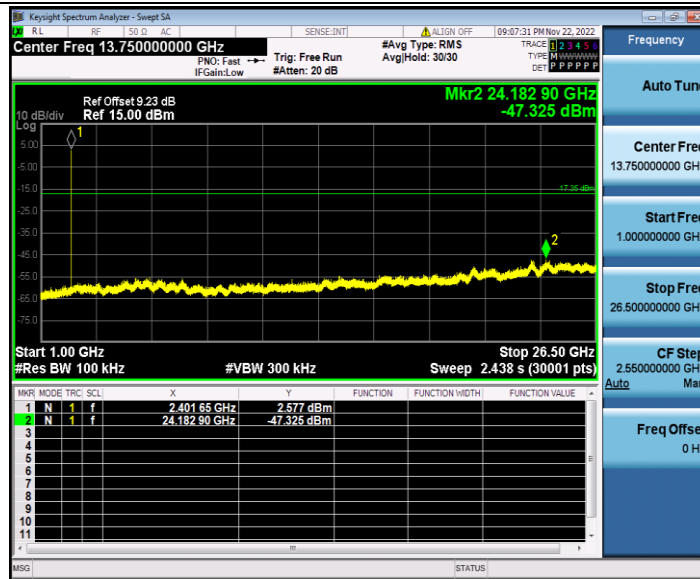
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



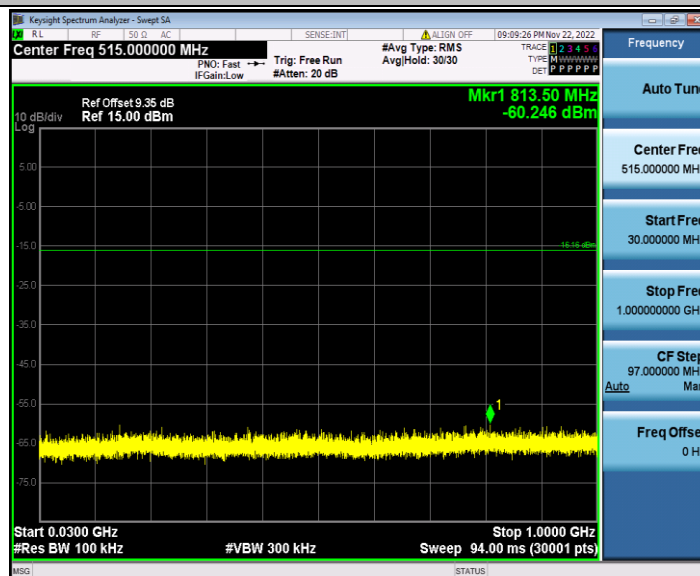
BLE_Ant1_2402_1000~26500



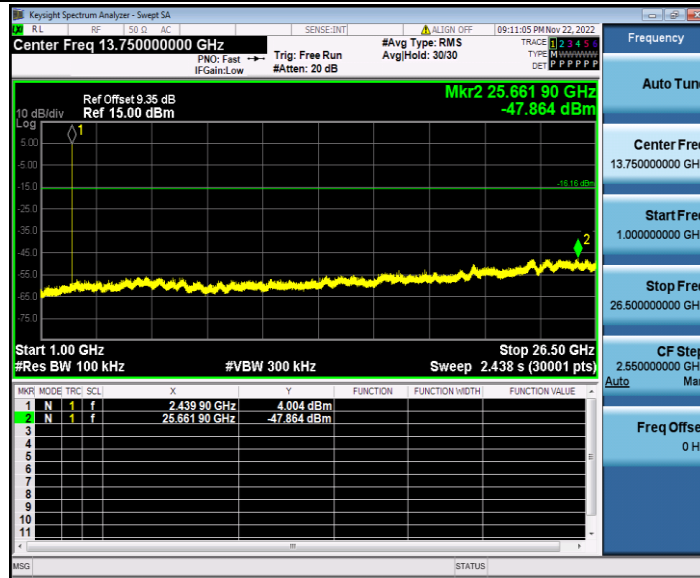
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



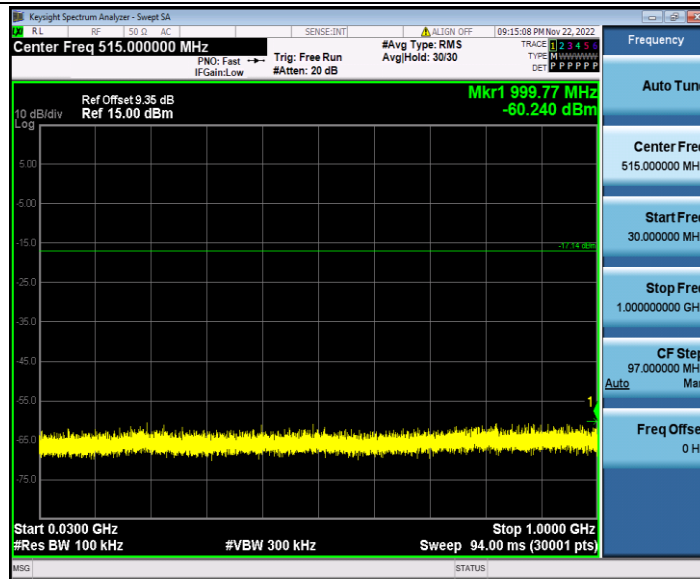
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

