

Case No. : <u>GTS20221226005-1-8</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.1.10</u>	Test Engineer: <u>Jenny zeng</u>

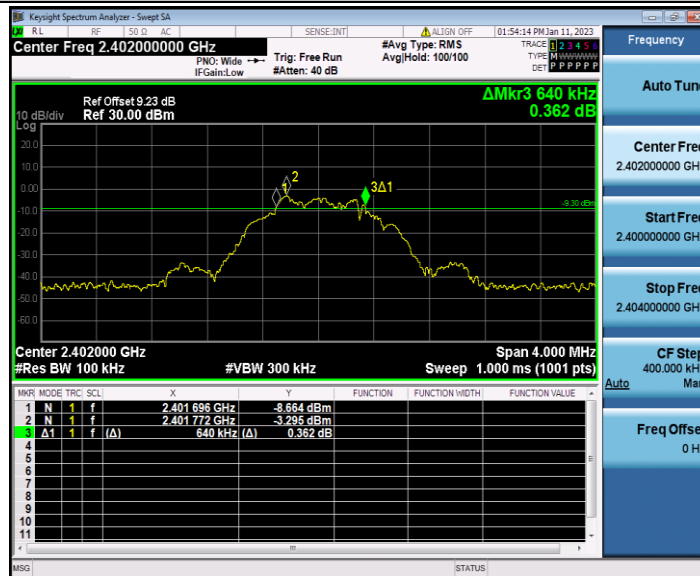
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.640	2401.696	2402.336	0.5	PASS
		2440	0.612	2439.716	2440.328	0.5	PASS
		2480	0.652	2479.700	2480.352	0.5	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix B.2: Occupied Channel Bandwidth

Test Result

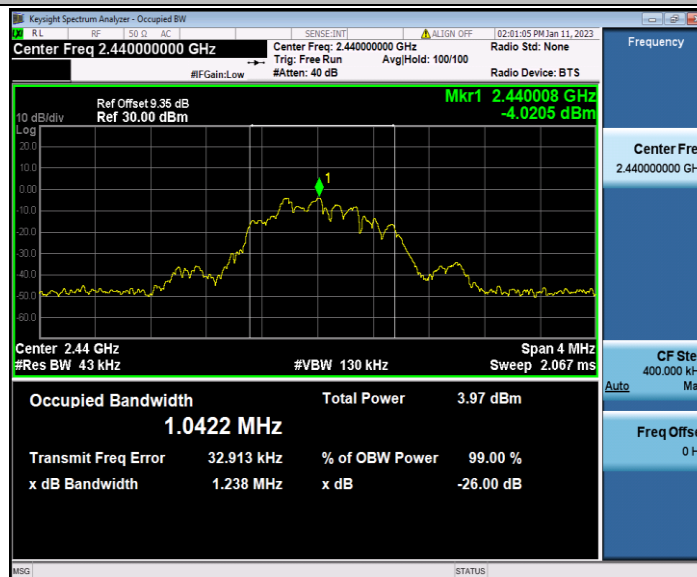
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0550	2401.507	2402.562	---	---
		2440	1.0422	2439.512	2440.554	---	---
		2480	1.0467	2479.514	2480.560	---	---

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 Powert[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	-2.73	≤30	PASS
		2440	-1.31	≤30	PASS
		2480	-1.41	≤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	-19.63	≤8.00	PASS
		2440	-18.07	≤8.00	PASS
		2480	-18.14	≤8.00	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



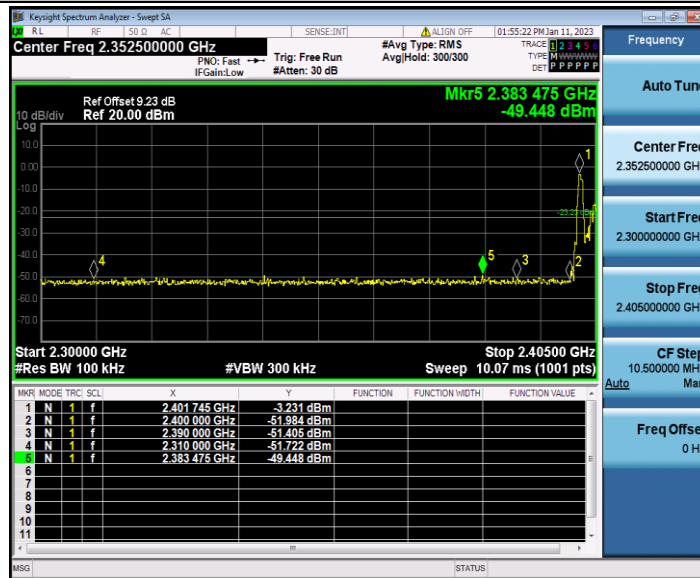
Appendix B.5: Band edge measurements

Test Result

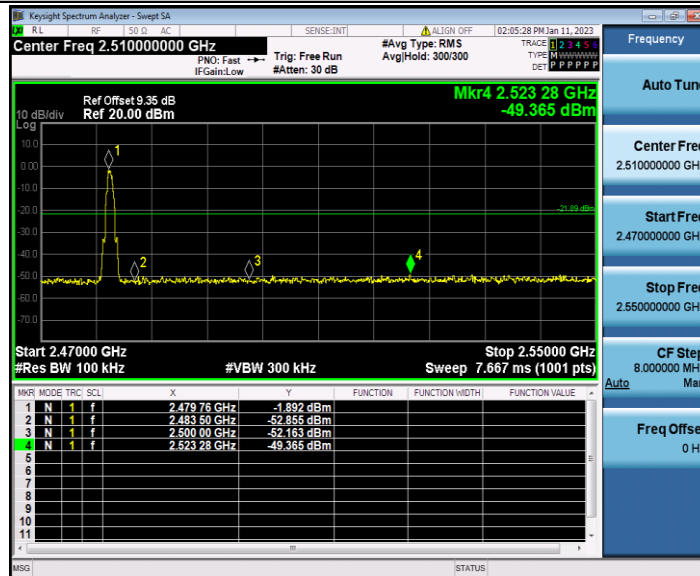
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-3.23	-49.45	≤-23.23	PASS
		High	2480	-1.89	-49.37	≤-21.89	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

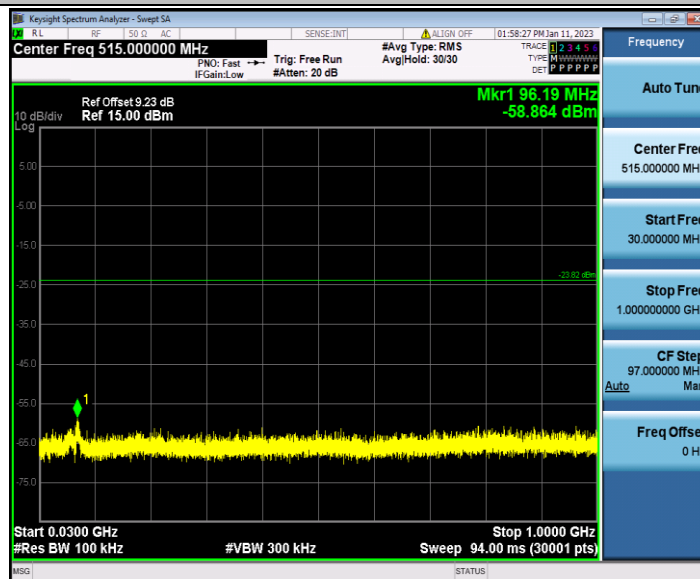
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-3.82	-3.82	---	PASS
			30~1000	-3.82	-58.86	≤-23.82	PASS
			1000~26500	-3.82	-47.14	≤-23.82	PASS
		2440	Reference	-3.10	-3.10	---	PASS
			30~1000	-3.10	-59.4	≤-23.1	PASS
			1000~26500	-3.10	-45.03	≤-23.1	PASS
		2480	Reference	-1.82	-1.82	---	PASS
			30~1000	-1.82	-57.61	≤-21.82	PASS
			1000~26500	-1.82	-47.44	≤-21.82	PASS

Test Graphs

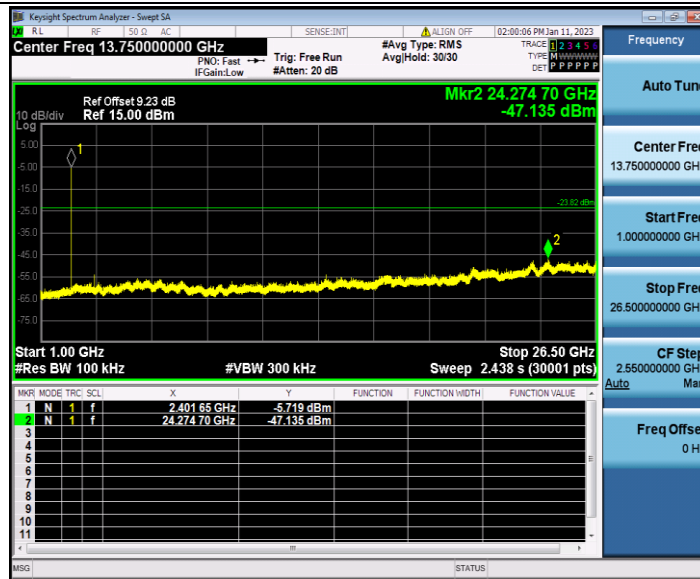
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



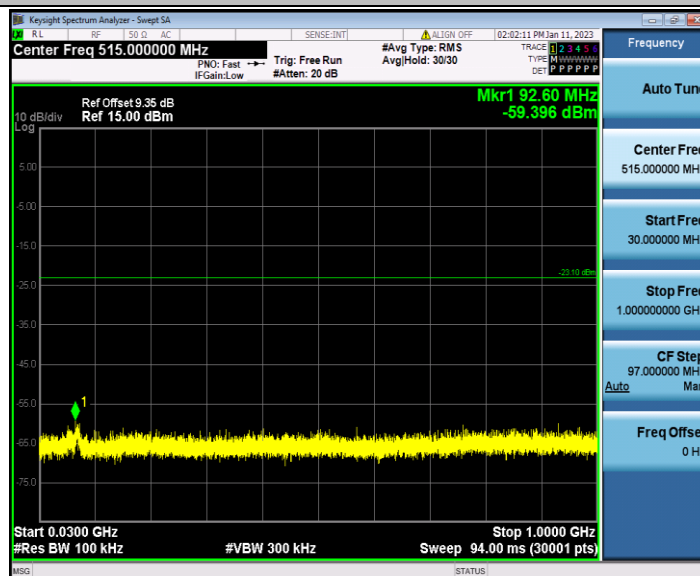
BLE_Ant1_2402_1000~26500



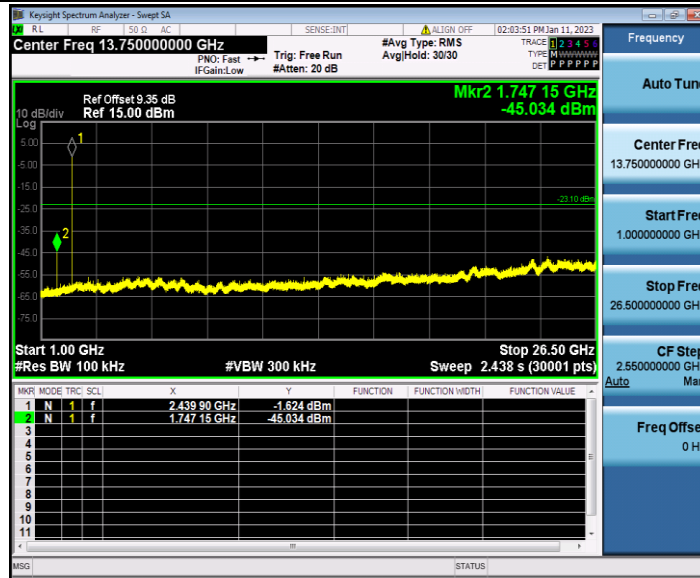
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



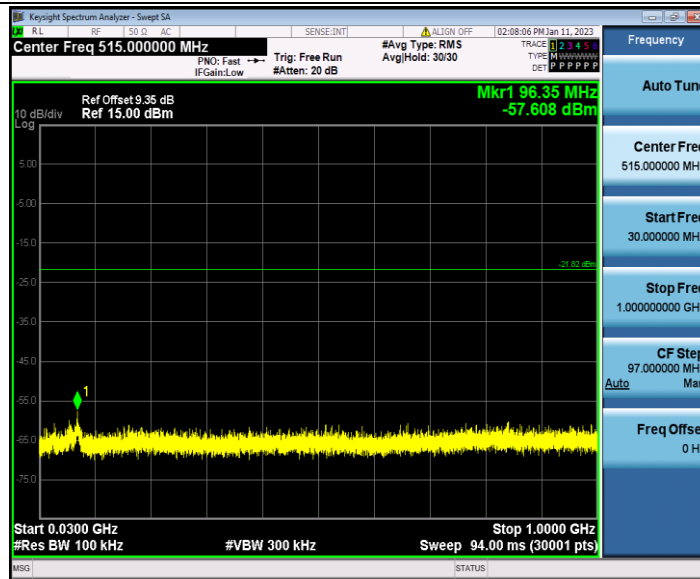
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

