

Case No. : <u>GTS20230105011-1-45</u>
Ambient Condition: <u>23</u> °C, <u>50</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.3.1</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	0.708	2401.652	2402.360	0.5	PASS
		2440	0.672	2439.664	2440.336	0.5	PASS
		2480	0.676	2479.660	2480.336	0.5	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix B.2: Occupied Channel Bandwidth

Test Result

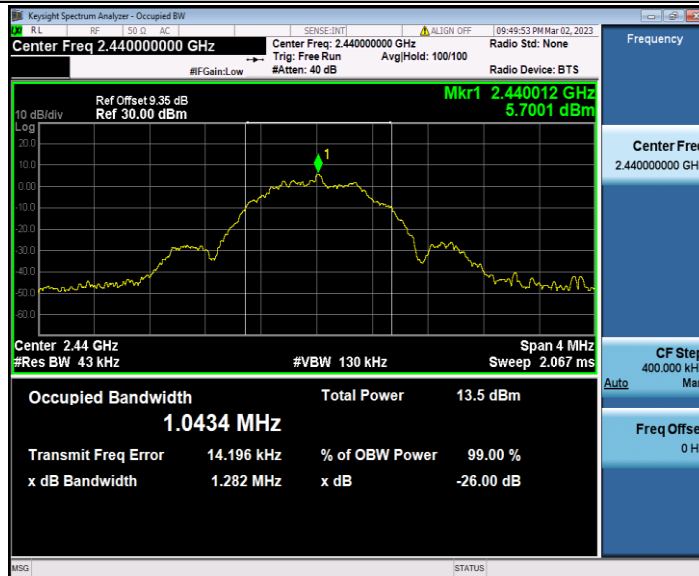
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0460	2401.488	2402.534	---	---
		2440	1.0434	2439.493	2440.536	---	---
		2480	1.0408	2479.492	2480.533	---	---

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	5.37	≤30	PASS
		2440	6.7	≤30	PASS
		2480	6.35	≤30	PASS

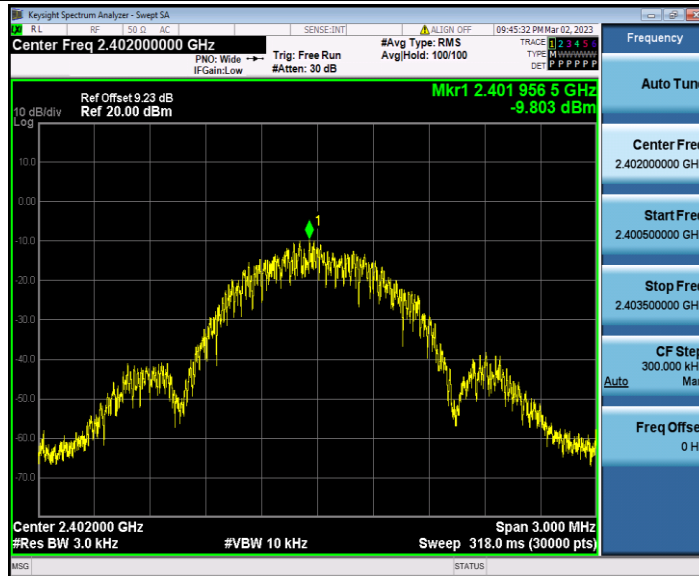
Appendix B.4: Maximum power spectral density

Test Result

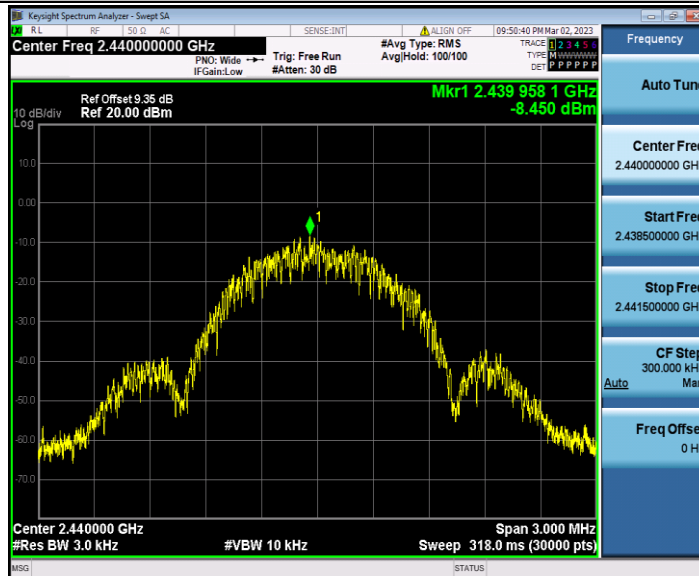
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-9.8	≤8.00	PASS
		2440	-8.45	≤8.00	PASS
		2480	-9.2	≤8.00	PASS

Test Graphs

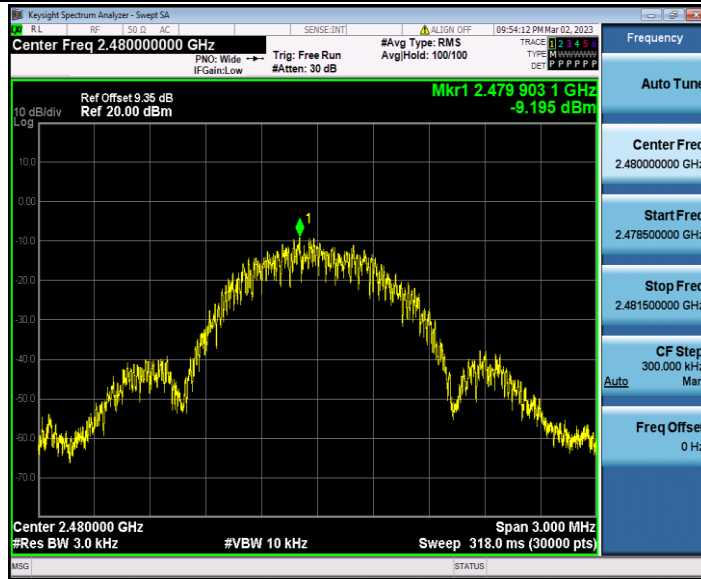
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



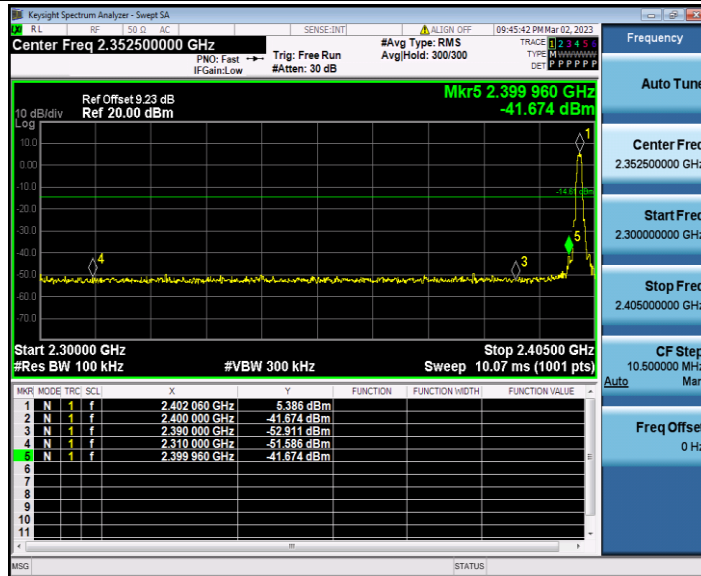
Appendix B.5: Band edge measurements

Test Result

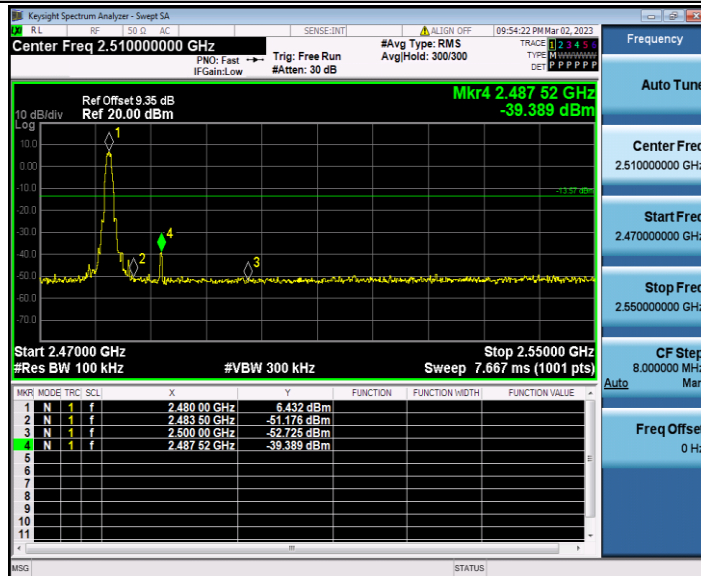
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	5.39	-41.67	≤-14.61	PASS
		High	2480	6.43	-39.39	≤-13.57	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

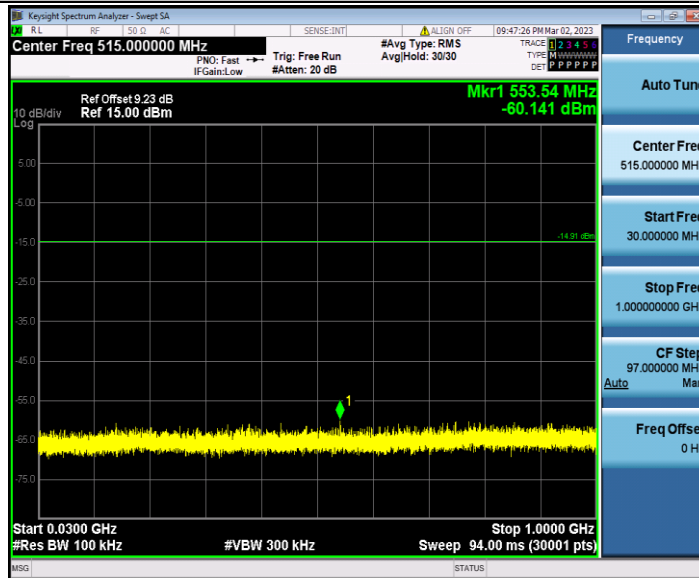
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	5.09	5.09	---	PASS
			30~1000	5.09	-60.14	≤ -14.91	PASS
			1000~26500	5.09	-47.1	≤ -14.91	PASS
		2440	Reference	5.93	5.93	---	PASS
			30~1000	5.93	-59.15	≤ -14.07	PASS
			1000~26500	5.93	-47.15	≤ -14.07	PASS
		2480	Reference	5.49	5.49	---	PASS
			30~1000	5.49	-59.91	≤ -14.51	PASS
			1000~26500	5.49	-47.25	≤ -14.51	PASS

Test Graphs

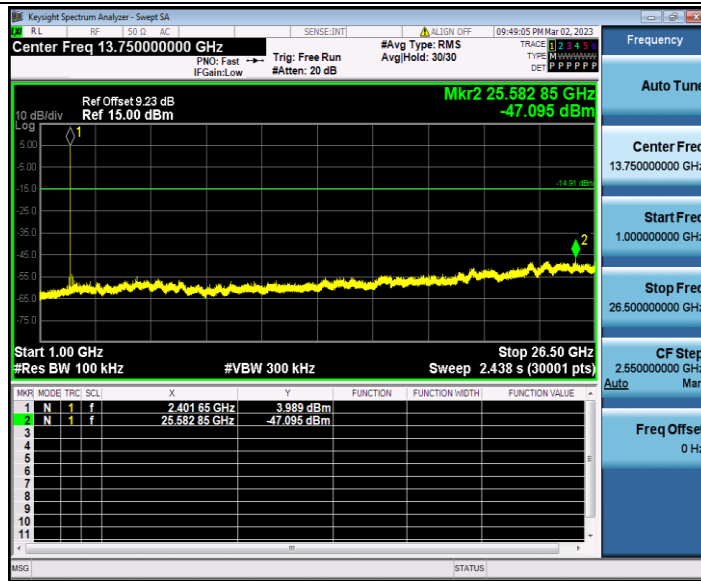
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



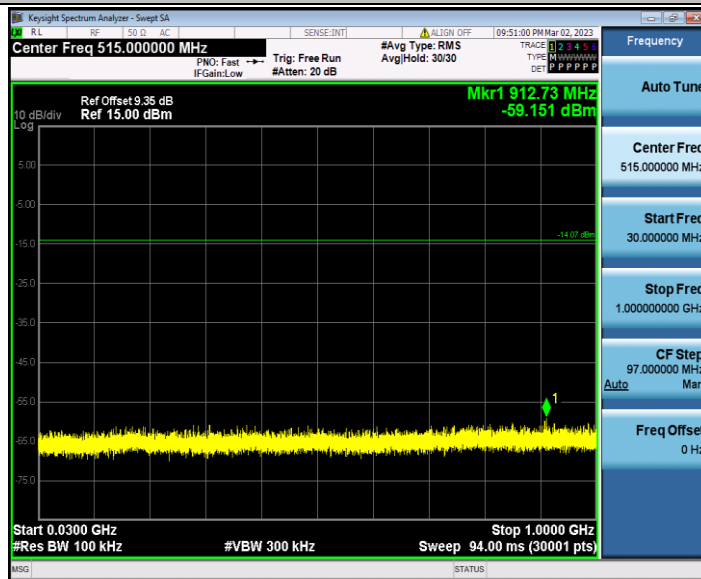
BLE_Ant1_2402_1000~26500



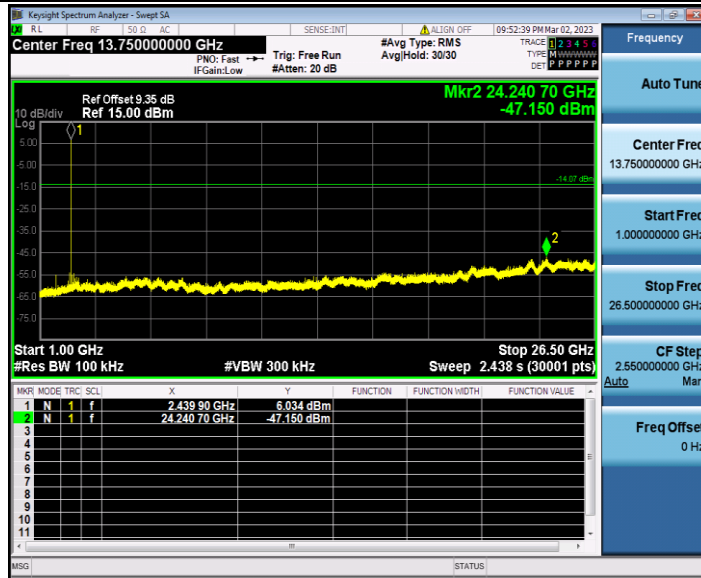
BLE_Ant1_2440_0-Reference



BLE_Ant1_2440_30~1000



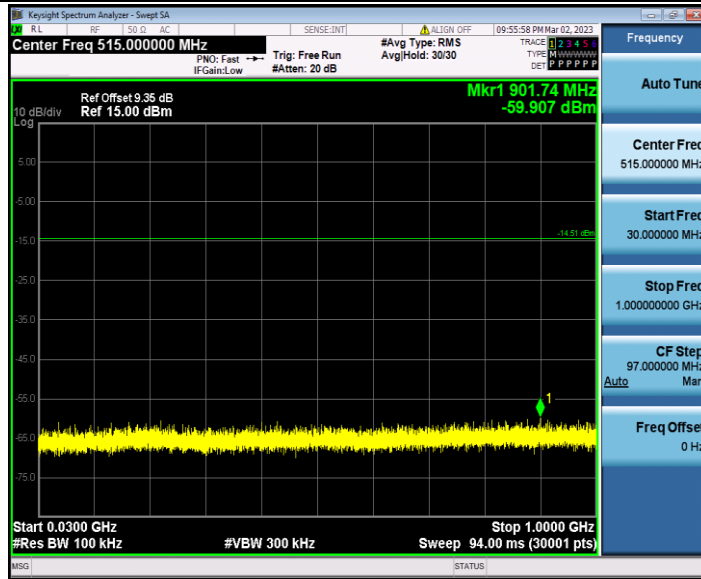
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

