

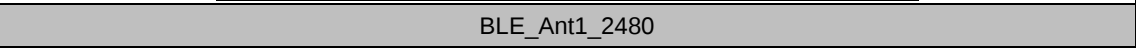
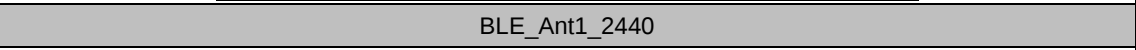
Case No. : <u>GTS20230111005-1-11</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.2.15</u>	Test Engineer: <u>Jenny zeng</u>

Appendix B.1: DTS Bandwidth

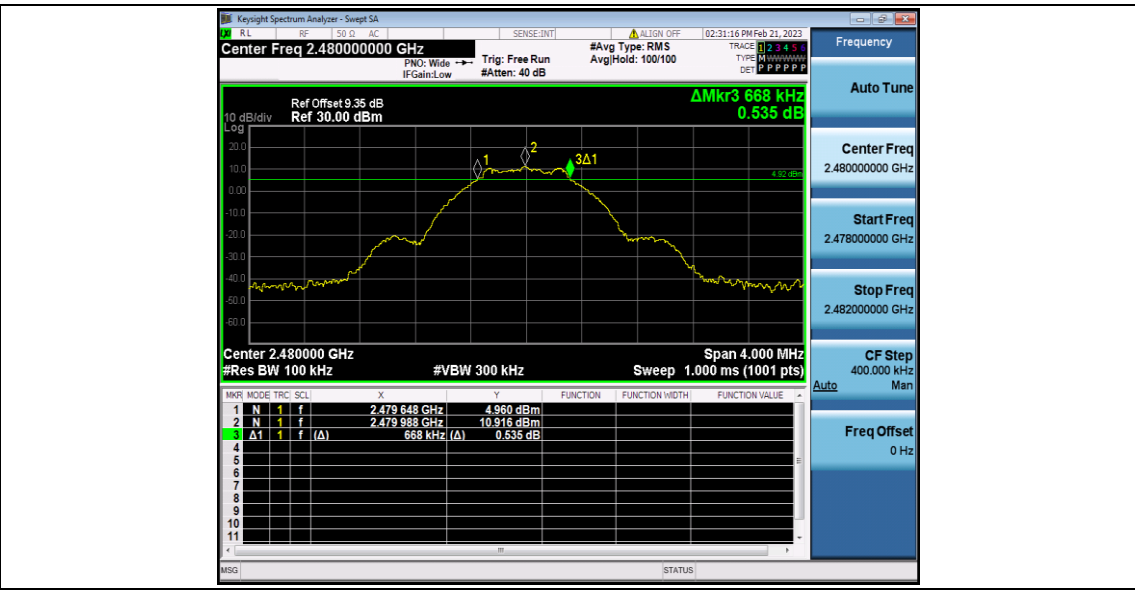
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.668	2401.652	2402.320	0.5	PASS
		2440	0.692	2439.644	2440.336	0.5	PASS
		2480	0.668	2479.648	2480.316	0.5	PASS

BLE_Ant1_2402



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	1.0209	2401.482	2402.503	---	---
		2440	1.0322	2439.478	2440.510	---	---
		2480	1.0251	2479.480	2480.506	---	---

Test Graphs

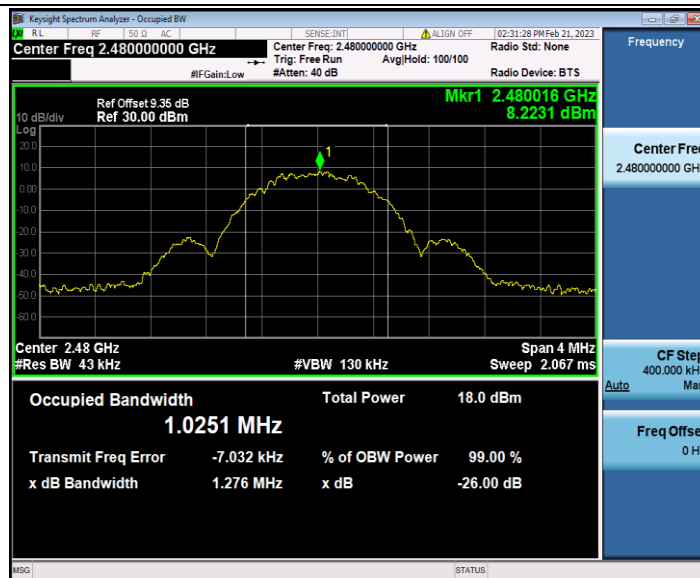
BLE_Ant1_2402



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	10.07	≤30	PASS
		2440	11.43	≤30	PASS
		2480	11.68	≤30	PASS

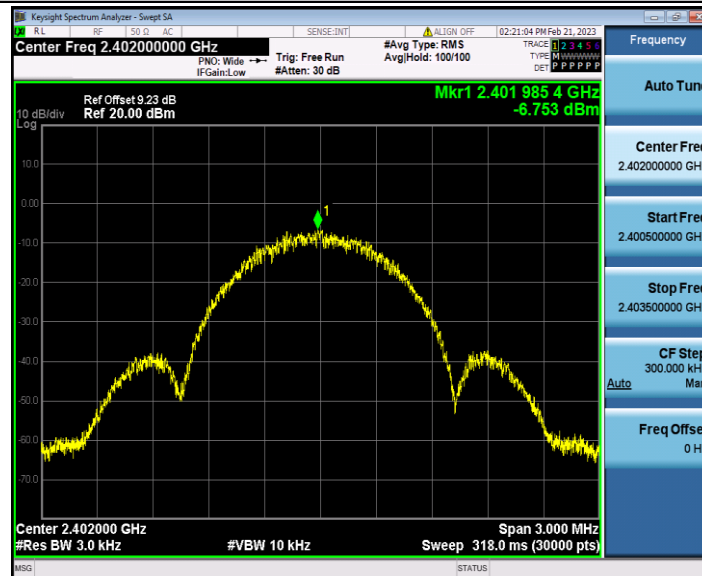
Appendix B.4: Maximum power spectral density

Test Result

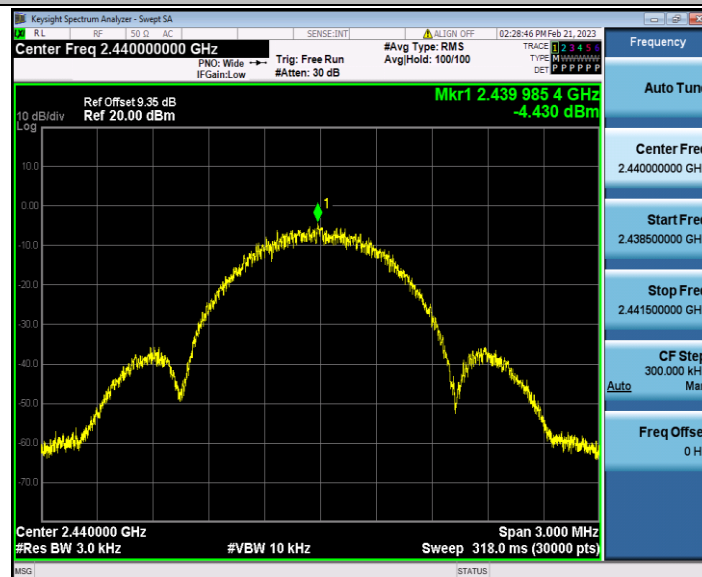
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-6.75	≤8.00	PASS
		2440	-4.43	≤8.00	PASS
		2480	-4.28	≤8.00	PASS

Test Graphs

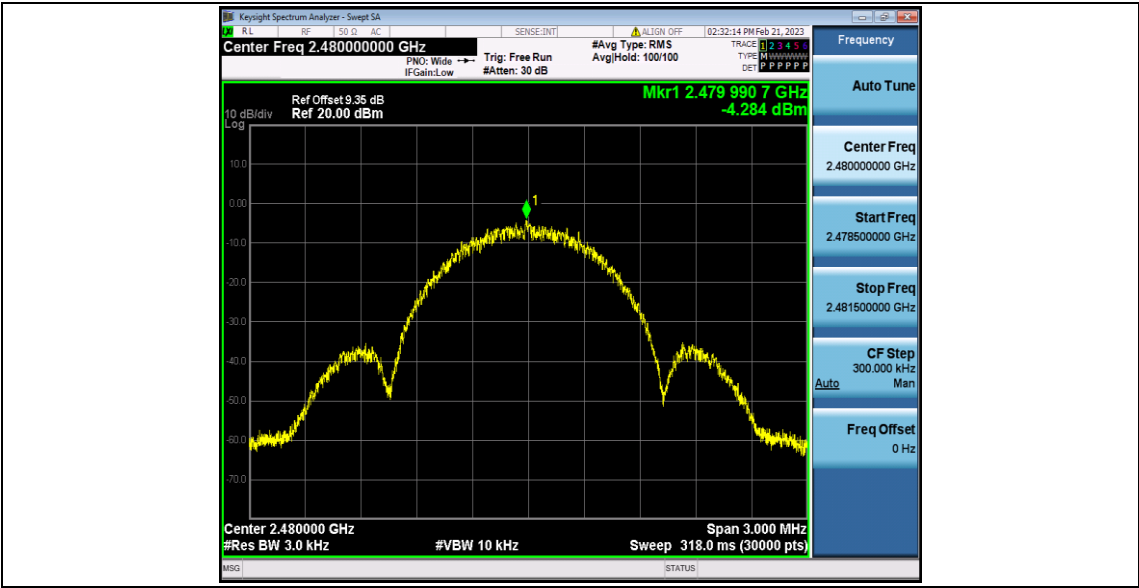
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



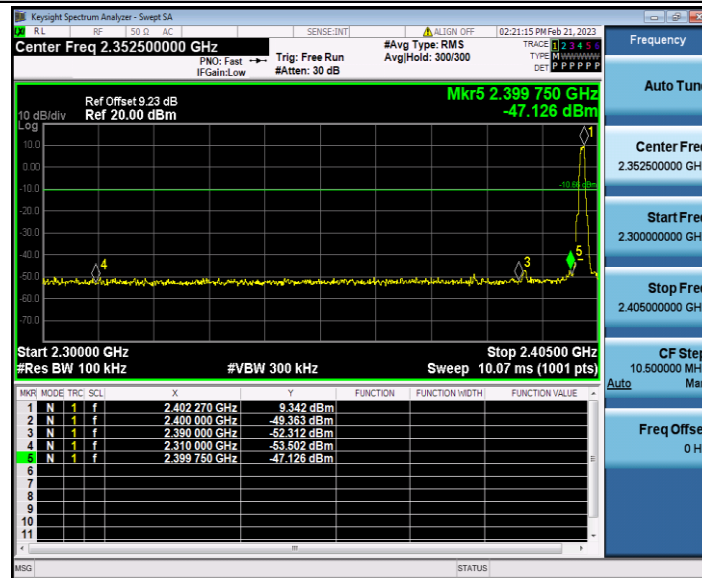
Appendix B.5: Band edge measurements

Test Result

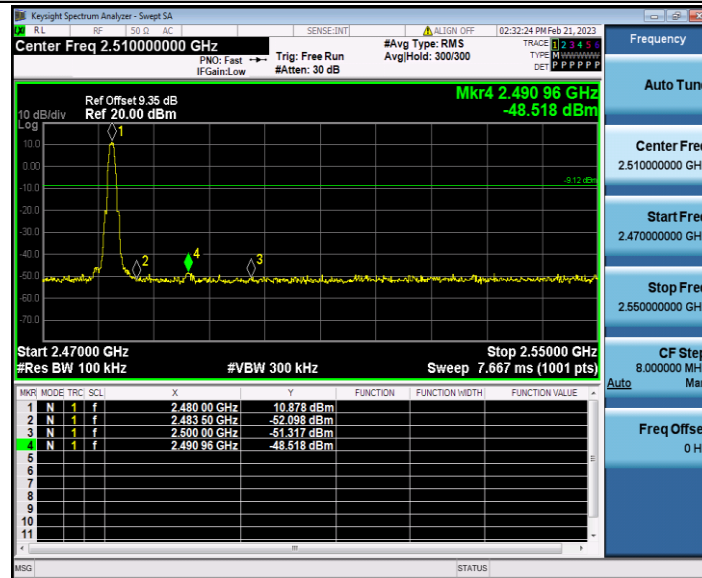
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	9.34	-47.13	≤-10.66	PASS
		High	2480	10.88	-48.52	≤-9.12	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

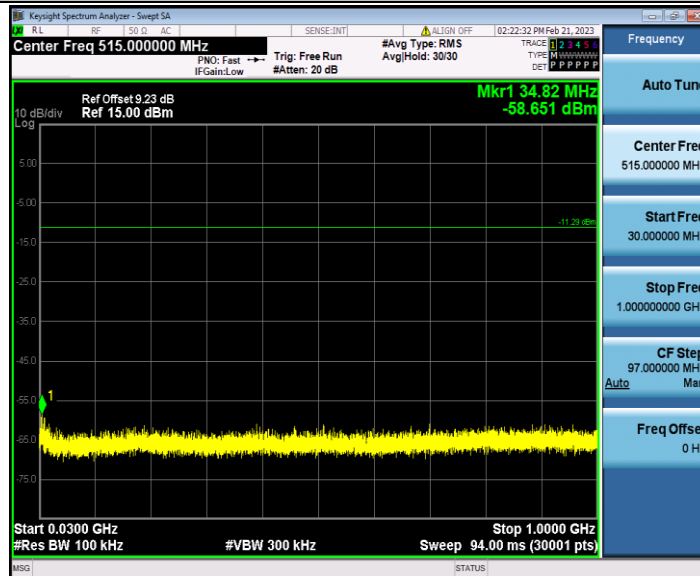
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	8.71	8.71	---	PASS
			30~1000	8.71	-58.65	≤ -11.29	PASS
			1000~26500	8.71	-46.48	≤ -11.29	PASS
		2440	Reference	9.95	9.95	---	PASS
			30~1000	9.95	-58.94	≤ -10.05	PASS
			1000~26500	9.95	-47.44	≤ -10.05	PASS
		2480	Reference	10.77	10.77	---	PASS
			30~1000	10.77	-59.81	≤ -9.23	PASS
			1000~26500	10.77	-47.6	≤ -9.23	PASS

Test Graphs

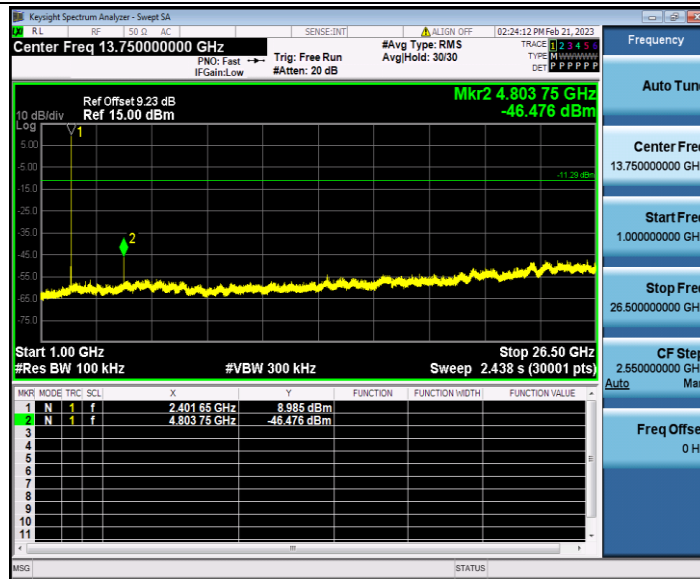
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



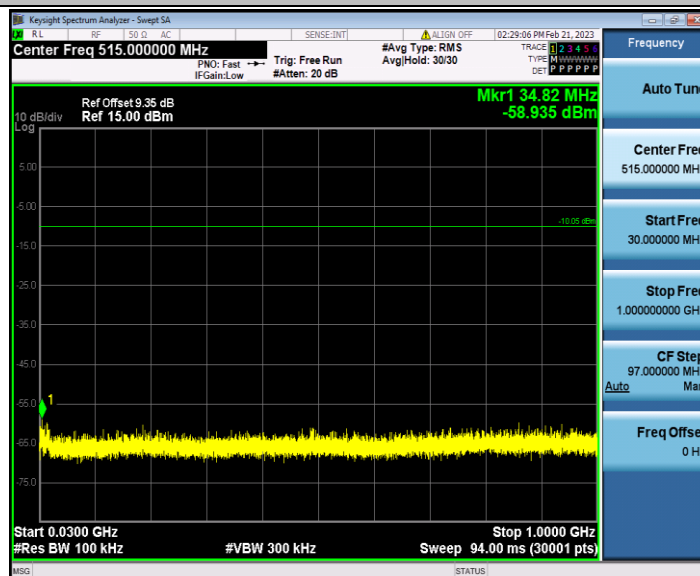
BLE_Ant1_2402_1000~26500



BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



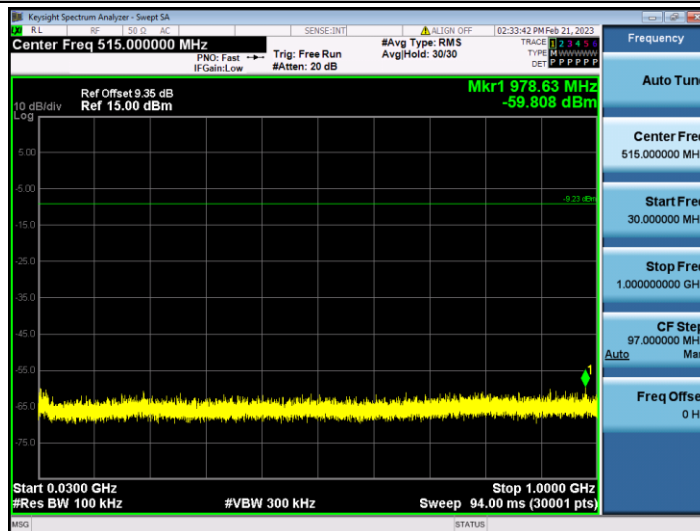
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

