

Case No. : <u>GTS20221111005-1-11</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.1.13</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	0.704	2401.600	2402.304	0.5	PASS
		2440	0.716	2439.600	2440.316	0.5	PASS
		2480	0.704	2479.604	2480.308	0.5	PASS

Test Graphs

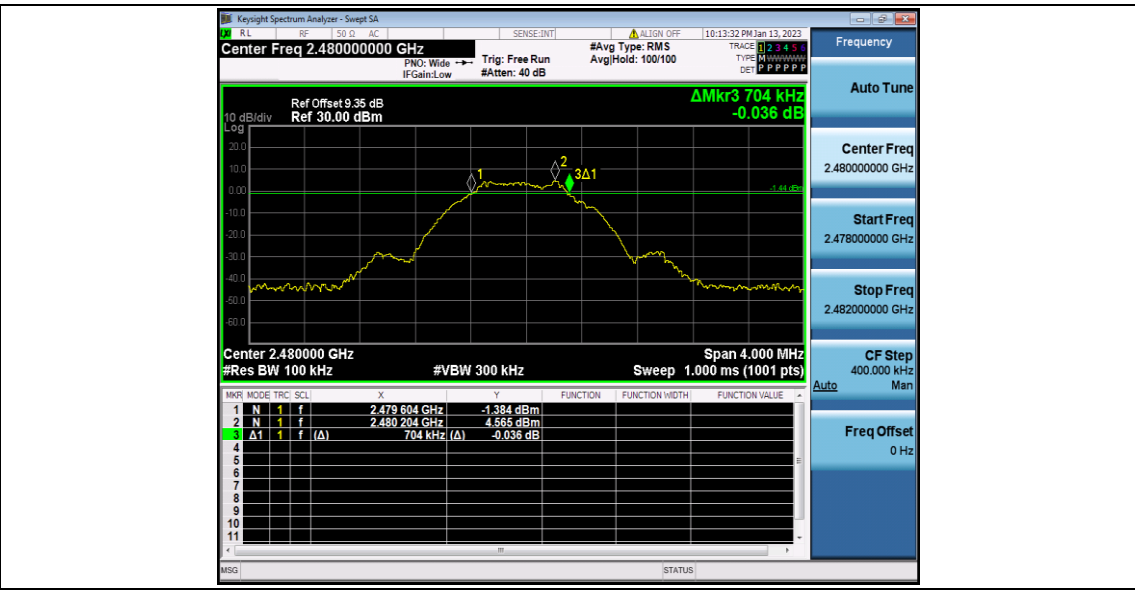
BLE_Ant1_2402



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	1.0631	2401.440	2402.503	---	---
		2440	1.0590	2439.441	2440.500	---	---
		2480	1.0616	2479.441	2480.502	---	---

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	5.01	≤30	PASS
		2440	5.52	≤30	PASS
		2480	5.5	≤30	PASS

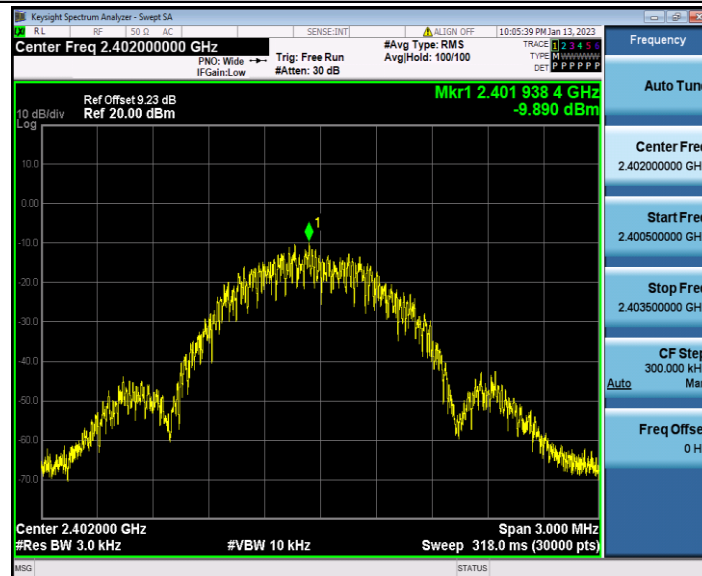
Appendix B.4: Maximum power spectral density

Test Result

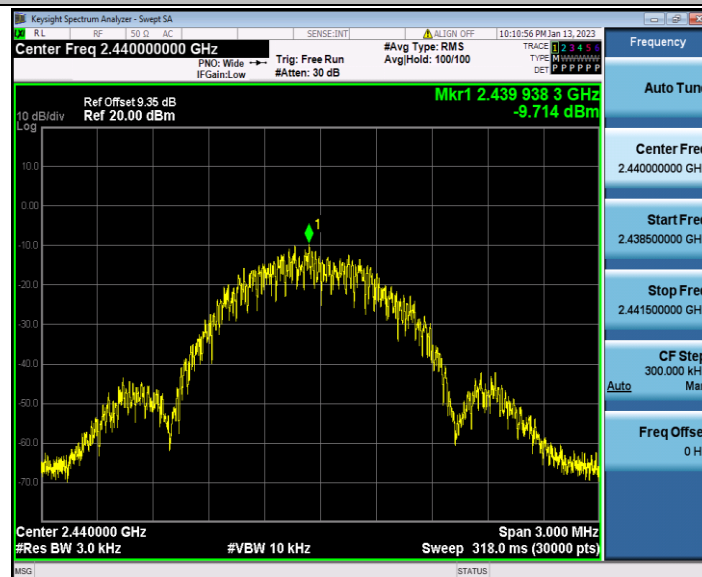
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-9.89	≤8.00	PASS
		2440	-9.71	≤8.00	PASS
		2480	-9.64	≤8.00	PASS

Test Graphs

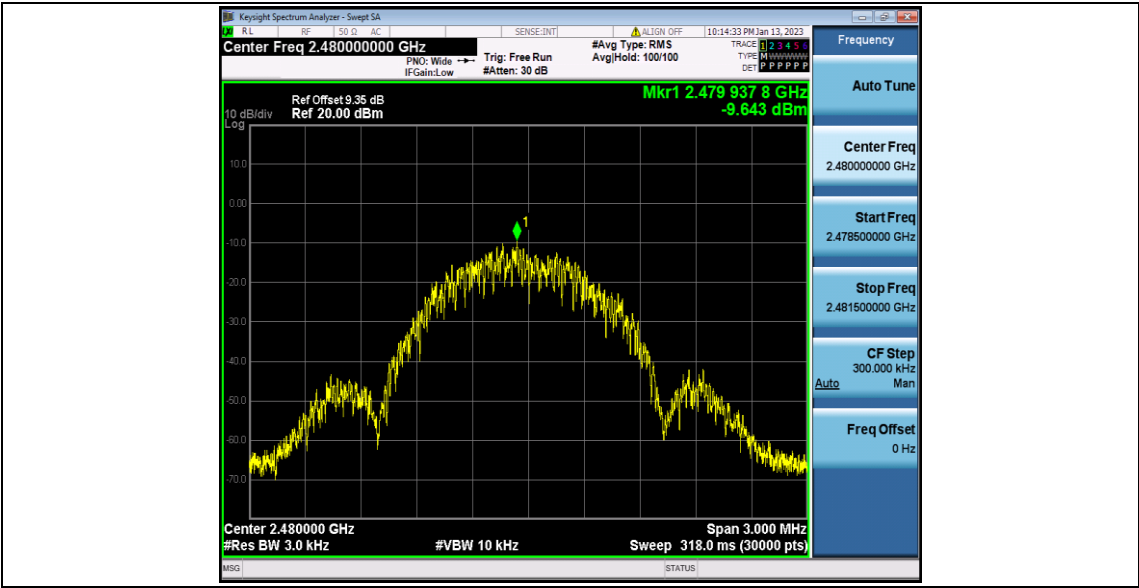
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



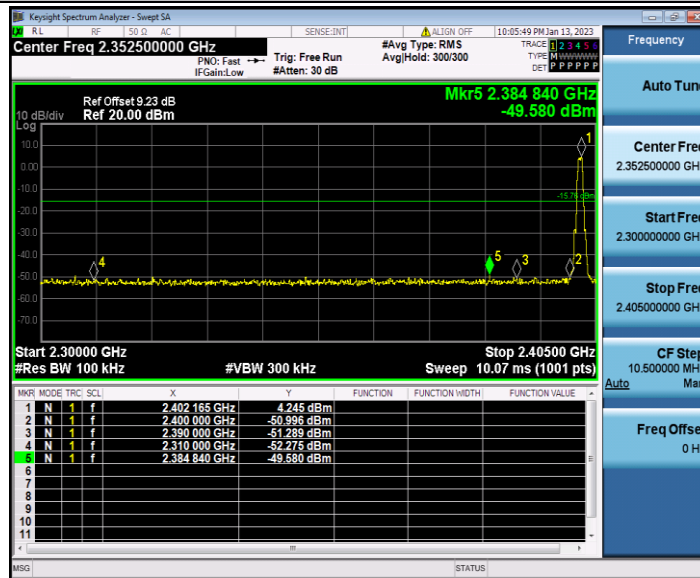
Appendix B.5: Band edge measurements

Test Result

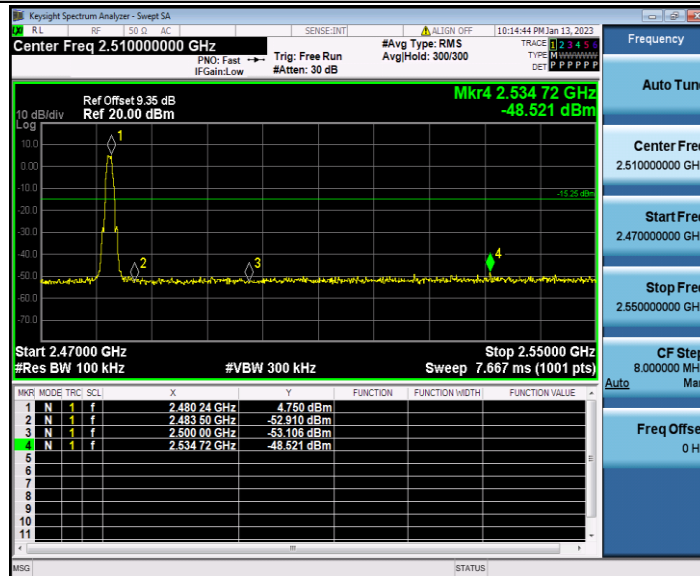
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	4.25	-49.58	≤-15.76	PASS
		High	2480	4.75	-48.52	≤-15.25	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

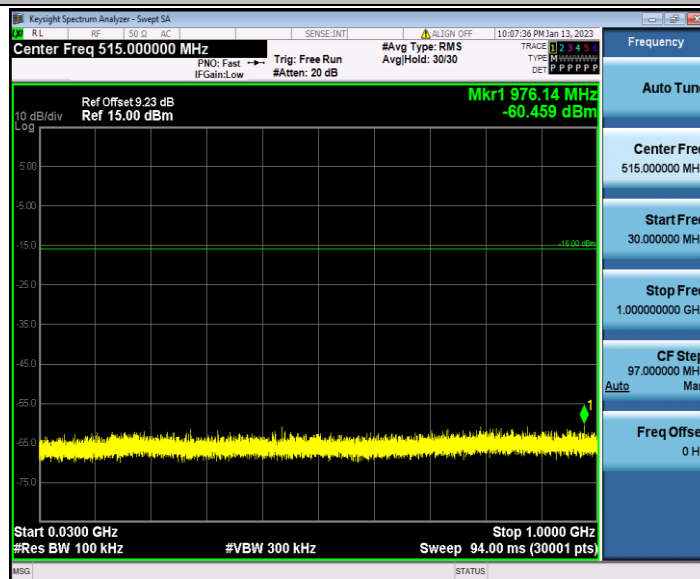
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	4.00	4.00	---	PASS
			30~1000	4.00	-60.46	≤-16	PASS
			1000~26500	4.00	-47.73	≤-16	PASS
		2440	Reference	4.47	4.47	---	PASS
			30~1000	4.47	-60.86	≤-15.53	PASS
			1000~26500	4.47	-47.55	≤-15.53	PASS
		2480	Reference	4.56	4.56	---	PASS
			30~1000	4.56	-60.31	≤-15.44	PASS
			1000~26500	4.56	-47.63	≤-15.44	PASS

Test Graphs

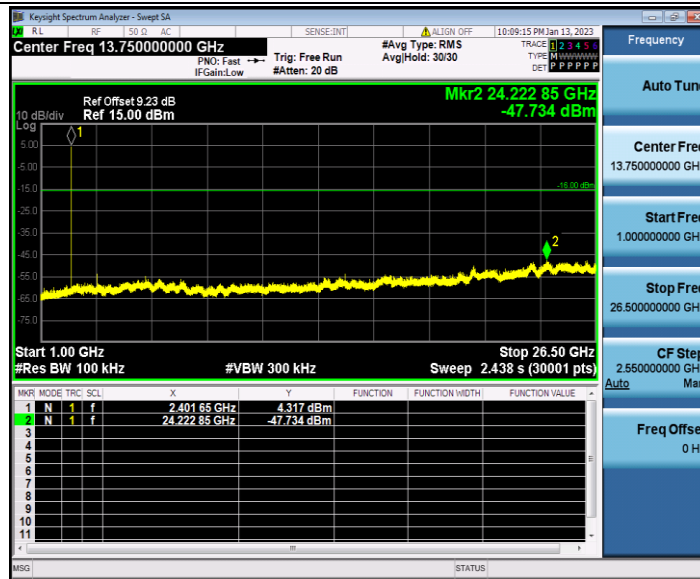
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



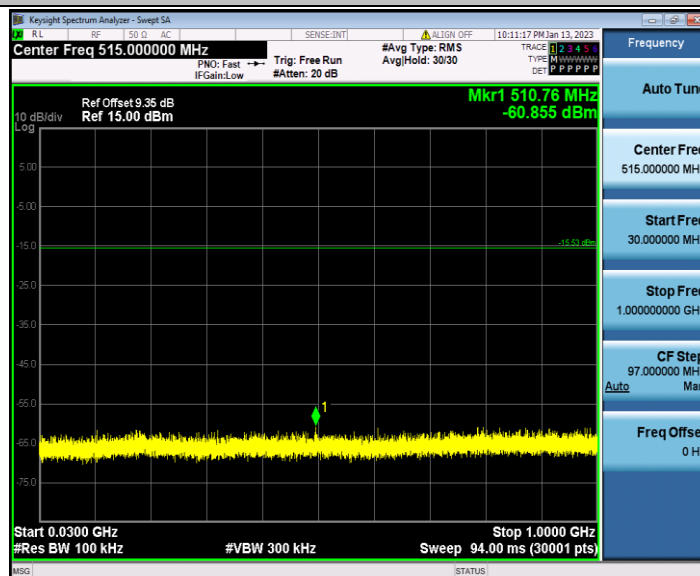
BLE_Ant1_2402_1000~26500



BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



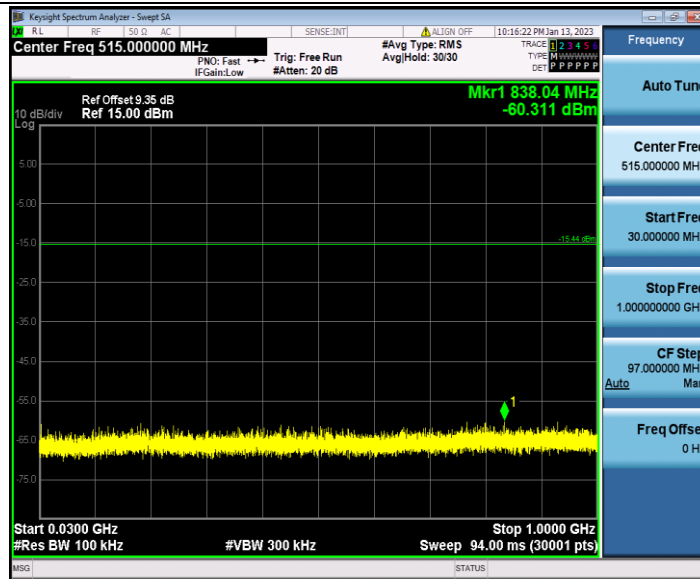
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

