

Case No. : <u>GTS20220323004-1-2</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH,	
Test Date: <u>2022-06-08</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_BT4.0	Ant1	2402	0.700	2401.652	2402.352	0.5	PASS
		2440	0.652	2439.676	2440.328	0.5	PASS
		2480	0.676	2479.668	2480.344	0.5	PASS

Test Graphs

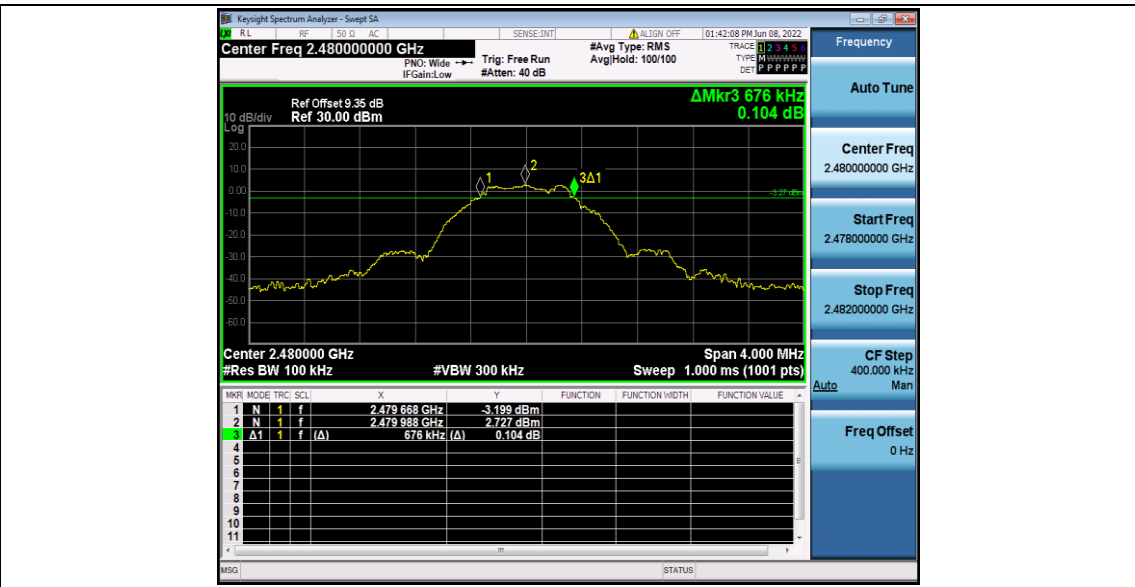
BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



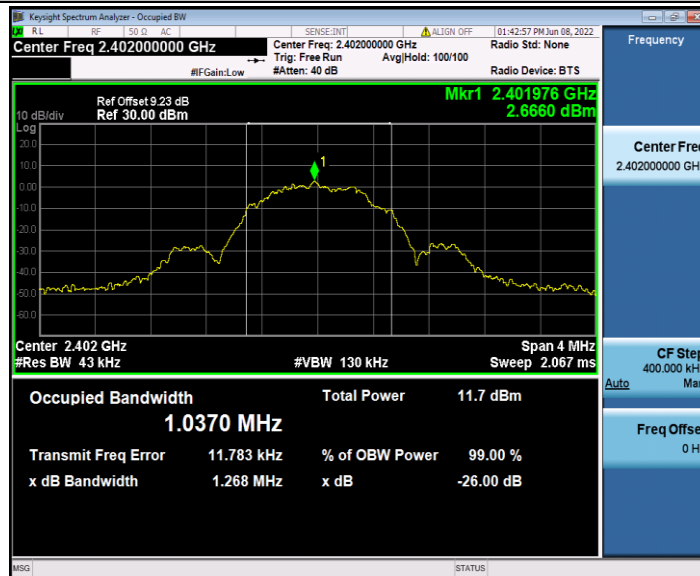
Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	1.0370	2401.493	2402.530	---	---
		2440	1.0392	2439.494	2440.533	---	---
		2480	1.0355	2479.494	2480.529	---	---

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



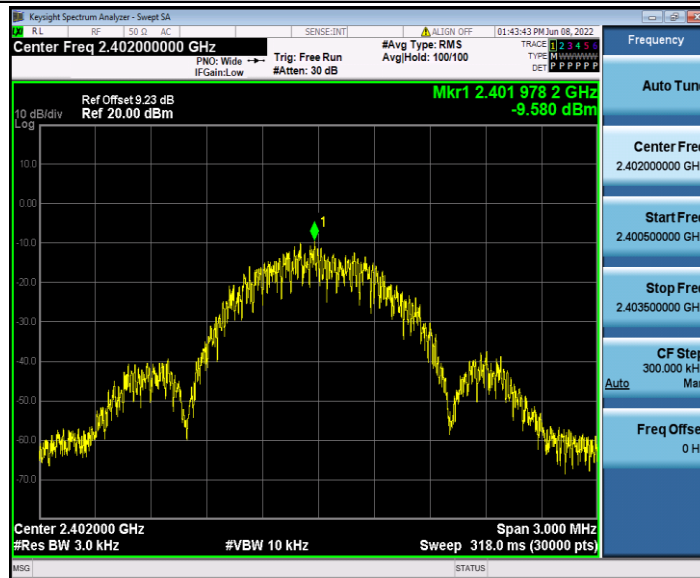
Appendix B.3: Maximum power spectral density

Test Result

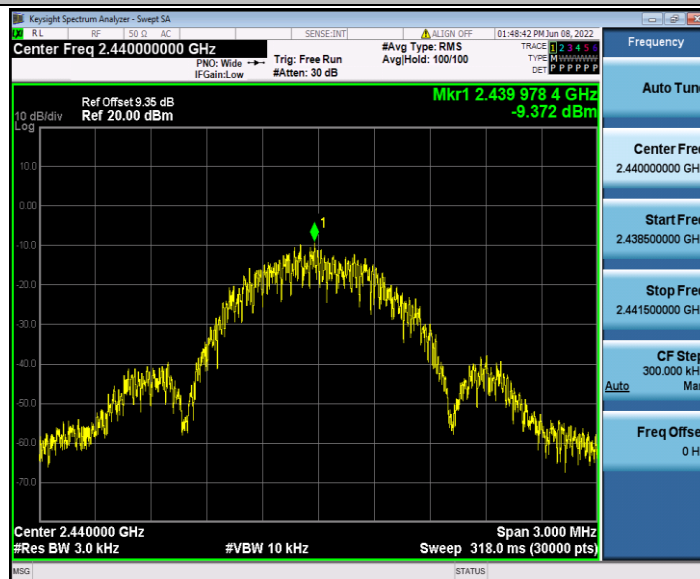
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_BT4.0	Ant1	2402	-9.58	≤8.00	PASS
		2440	-9.37	≤8.00	PASS
		2480	-11.06	≤8.00	PASS

Test Graphs

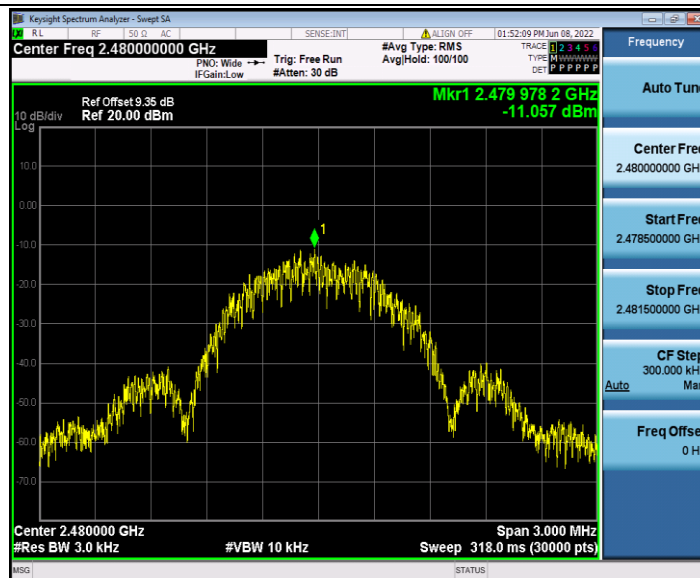
BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



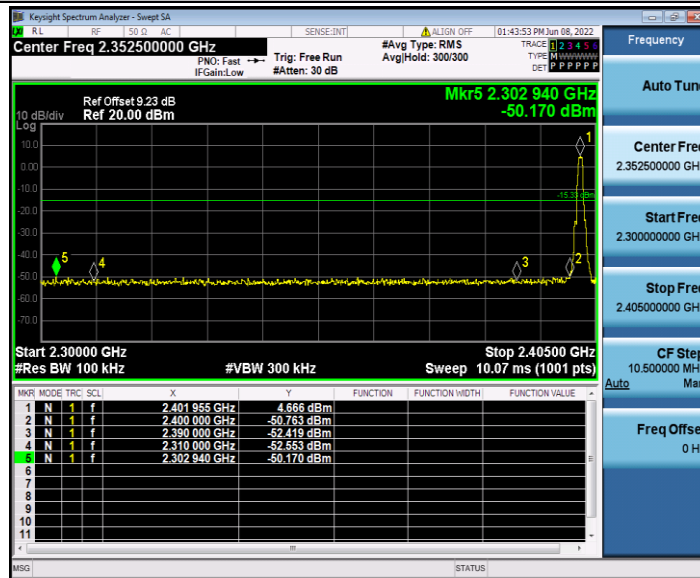
Appendix B.4: Band edge measurements

Test Result

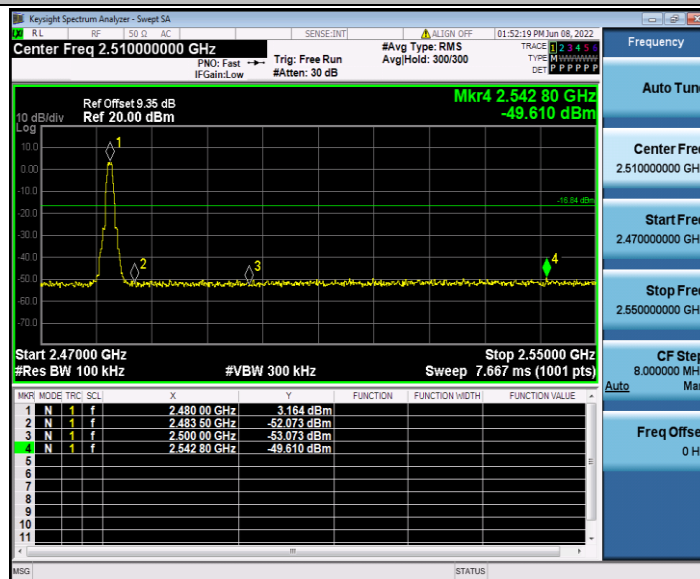
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	4.67	-50.17	≤-15.33	PASS
		High	2480	3.16	-49.61	≤-16.84	PASS

Test Graphs

BLE_BT4.0_Ant1_Low_2402



BLE_BT4.0_Ant1_High_2480



Appendix B.5: Conducted Spurious Emission

Test Result

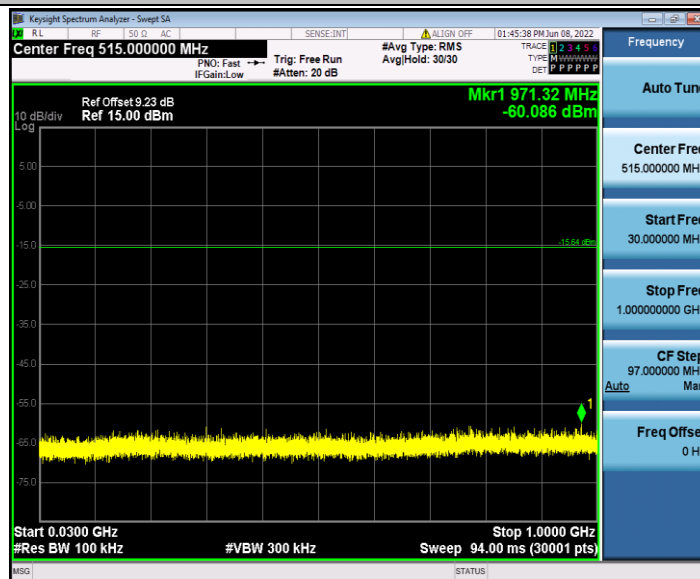
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	Reference	4.36	4.36	---	PASS
			30~1000	4.36	-60.09	≤ -15.64	PASS
			1000~26500	4.36	-47.98	≤ -15.64	PASS
		2440	Reference	4.59	4.59	---	PASS
			30~1000	4.59	-60.17	≤ -15.41	PASS
			1000~26500	4.59	-47.83	≤ -15.41	PASS
		2480	Reference	2.74	2.74	---	PASS
			30~1000	2.74	-55.24	≤ -17.26	PASS
			1000~26500	2.74	-47.46	≤ -17.26	PASS

Test Graphs

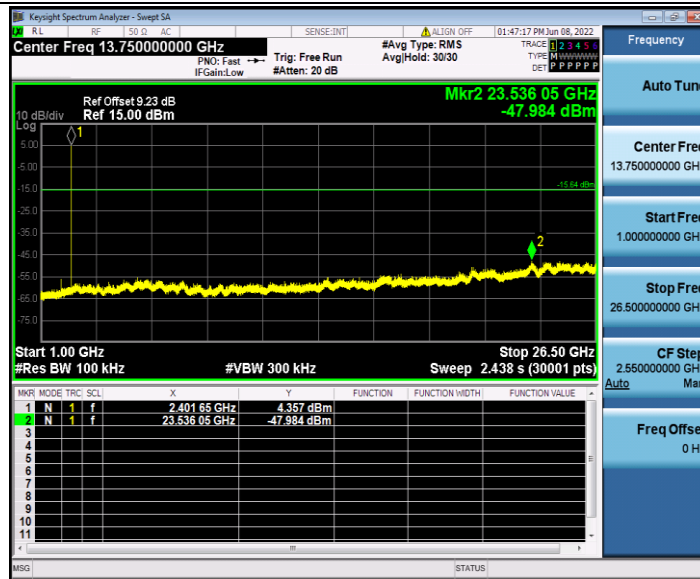
BLE_BT4.0_Ant1_2402_0~Reference



BLE_BT4.0_Ant1_2402_30~1000



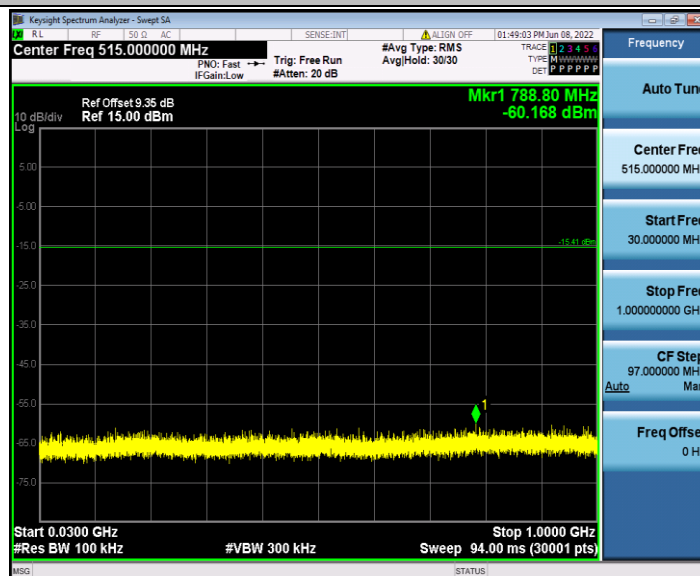
BLE_BT4.0_Ant1_2402_1000~26500



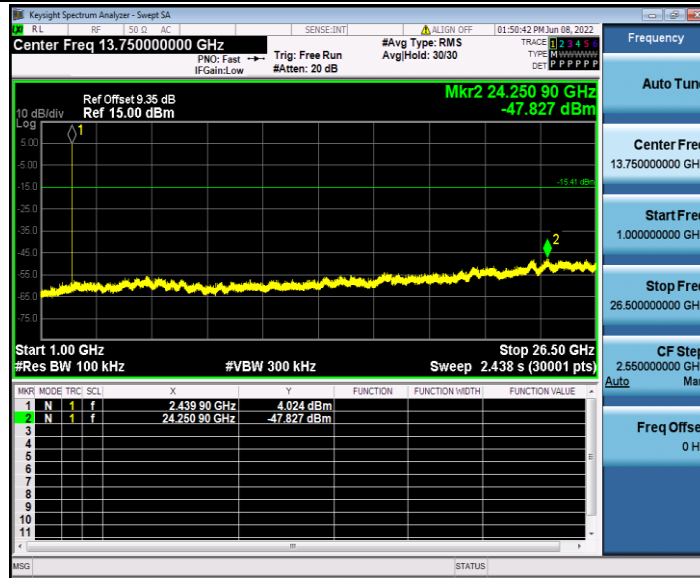
BLE_BT4.0_Ant1_2440_0~Reference



BLE_BT4.0_Ant1_2440_30~1000



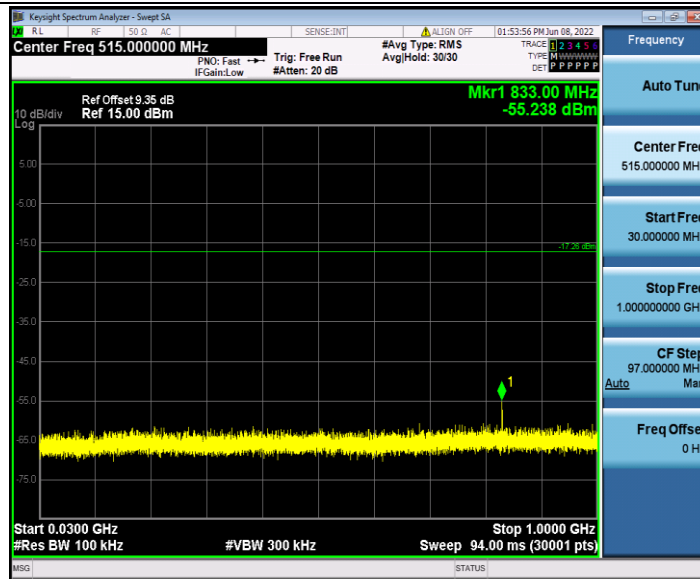
BLE_BT4.0_Ant1_2440_1000~26500



BLE_BT4.0_Ant1_2480_0~Reference



BLE_BT4.0_Ant1_2480_30~1000



BLE_BT4.0_Ant1_2480_1000~26500

