

Case No. : <u>GTS202205010-1-2</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH,	
Test Date: <u>2022-5-12</u>	Test Engineer: <u>Jenny Zeng</u>

Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.524	2401.668	2402.192	0.5	PASS
		2440	0.516	2439.668	2440.184	0.5	PASS
		2480	0.512	2479.660	2480.172	0.5	PASS

Test Graphs

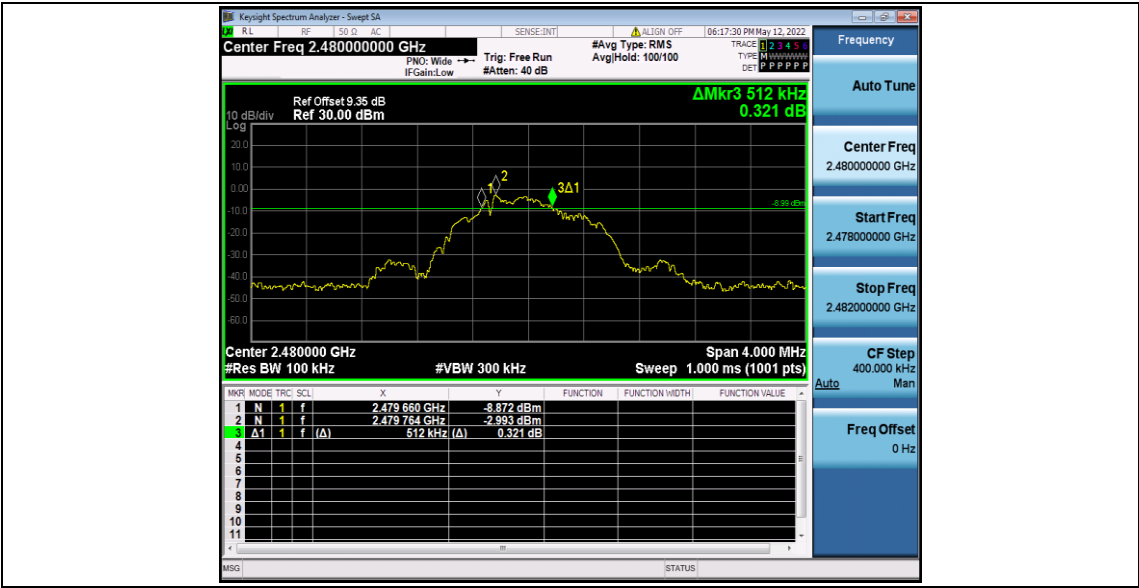
BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0534	2401.481	2402.534	---	---
		2440	1.0545	2439.481	2440.536	---	---
		2480	1.0465	2479.480	2480.526	---	---

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



Appendix A.3: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-23.22	≤8.00	PASS
		2440	-21.30	≤8.00	PASS
		2480	-21.24	≤8.00	PASS

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



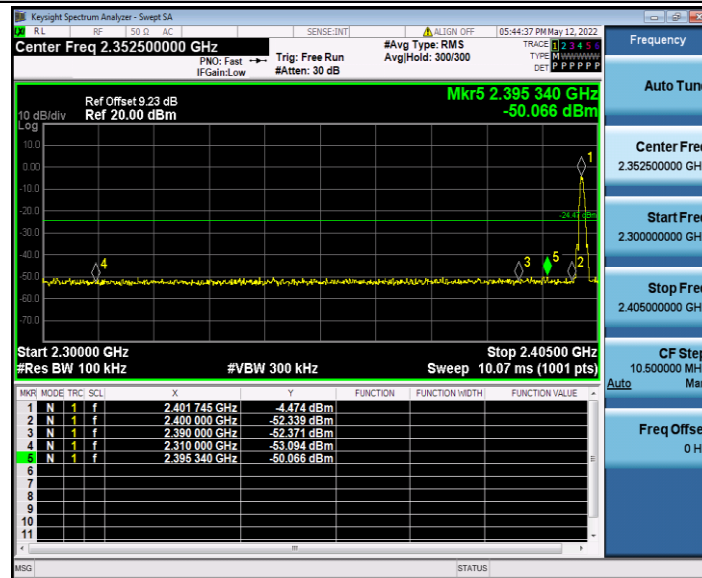
Appendix A.4: Band edge measurements

Test Result

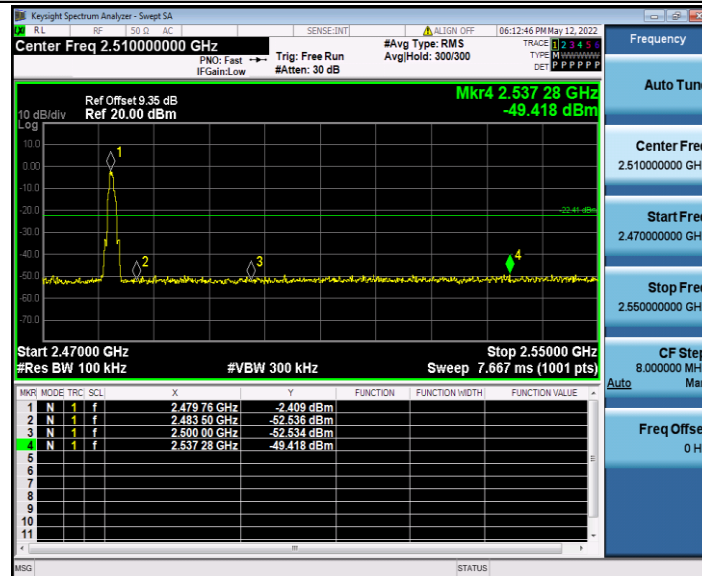
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-4.47	-50.07	≤-24.47	PASS
		High	2480	-2.41	-49.42	≤-22.41	PASS

Test Graphs

BLE_BT4.0_Ant1_Low_2402



BLE_BT4.0_Ant1_High_2480



Appendix A.5: Conducted Spurious Emission

Test Result

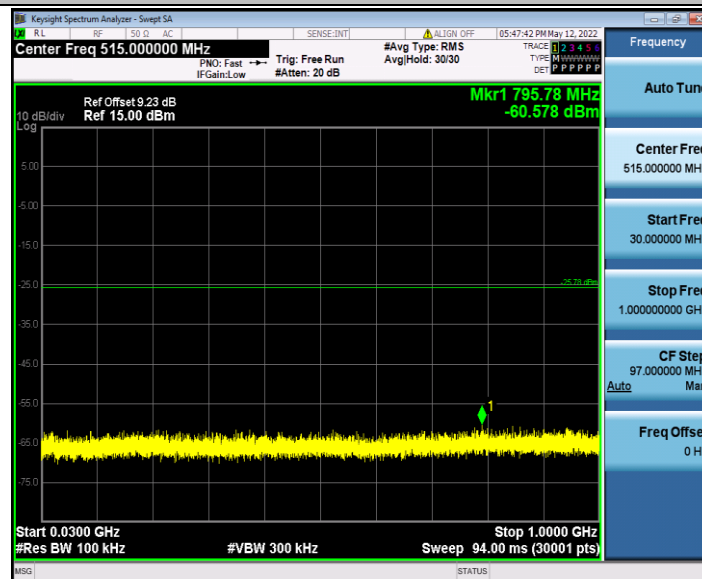
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-5.78	-5.78	---	PASS
			30~1000	-5.78	-60.58	≤ -25.78	PASS
			1000~26500	-5.78	-47.57	≤ -25.78	PASS
		2440	Reference	-2.64	-2.64	---	PASS
			30~1000	-2.64	-60.03	≤ -22.64	PASS
			1000~26500	-2.64	-47.94	≤ -22.64	PASS
		2480	Reference	-2.48	-2.48	---	PASS
			30~1000	-2.48	-60.09	≤ -22.48	PASS
			1000~26500	-2.48	-47.46	≤ -22.48	PASS

Test Graphs

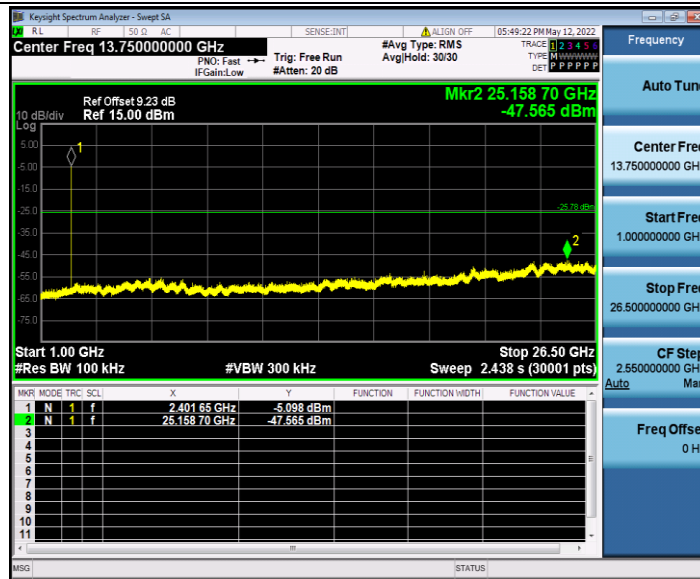
BLE_BT4.0_Ant1_2402_0~Reference



BLE_BT4.0_Ant1_2402_30~1000



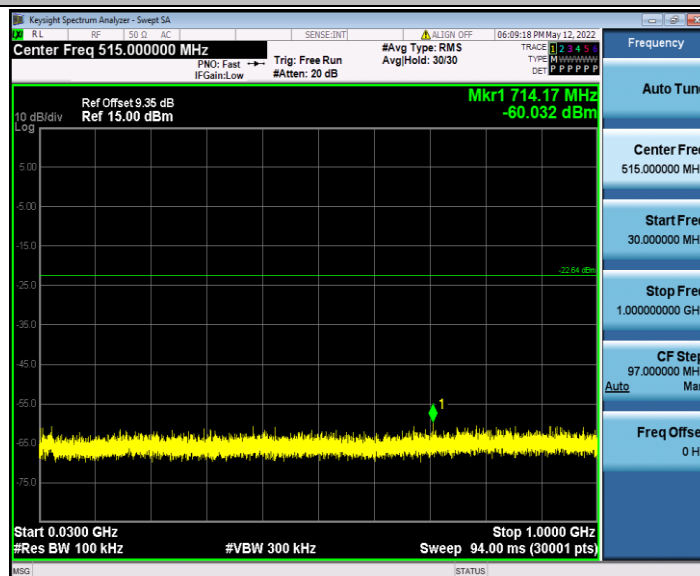
BLE_BT4.0_Ant1_2402_1000~26500



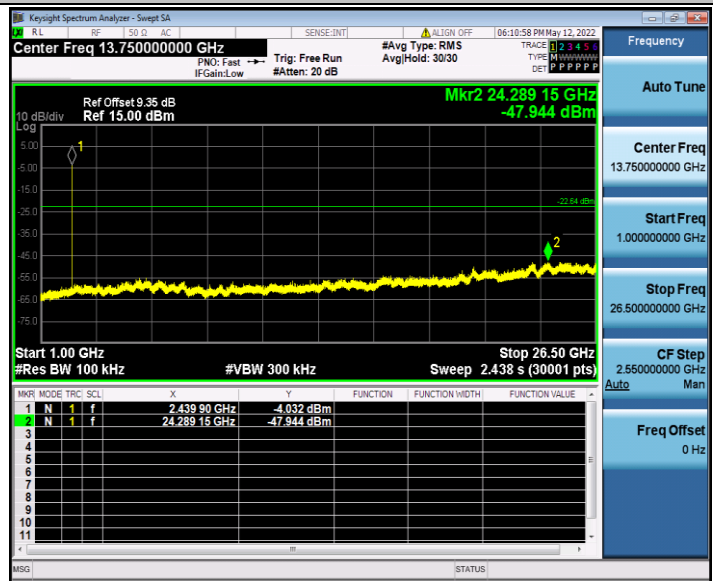
BLE_BT4.0_Ant1_2440_0-Reference



BLE_BT4.0_Ant1_2440_30~1000



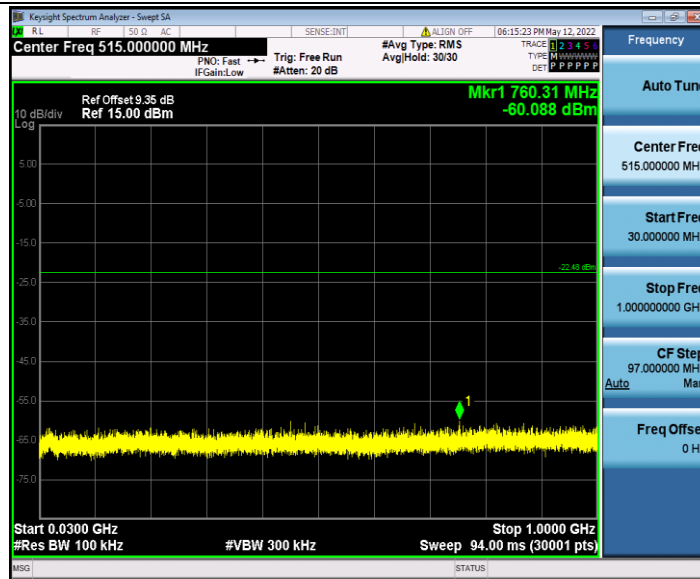
BLE_BT4.0_Ant1_2440_1000-26500



BLE_BT4.0_Ant1_2480_0-Reference



BLE_BT4.0_Ant1_2480_30-1000



BLE_BT4.0_Ant1_2480_1000~26500

