

Case No. : <u>GTS20220630010-1-2</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH,	
Test Date: <u>2022.7.11</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	0.504	2401.680	2402.184	0.5	PASS
		2440	0.524	2439.672	2440.196	0.5	PASS
		2480	0.504	2479.676	2480.180	0.5	PASS

Test Graphs

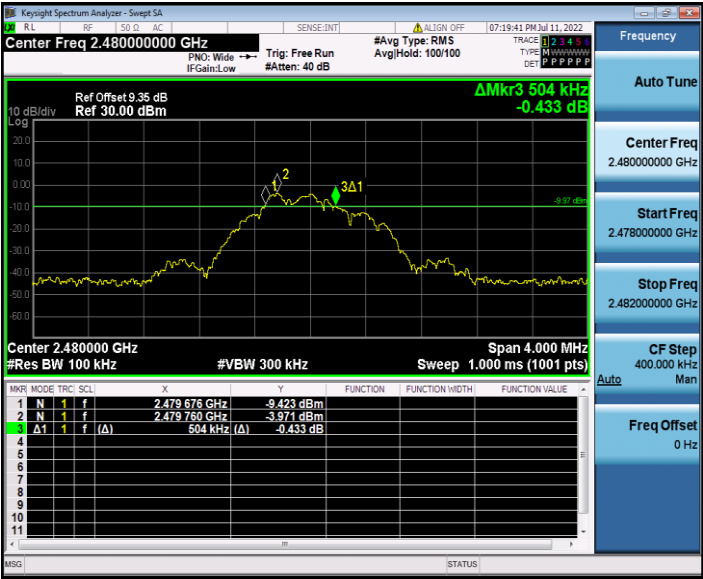
BLE_BT4.0_Ant1_2402



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	1.0572	2401.483	2402.540	---	---
		2440	1.0257	2439.495	2440.521	---	---
		2480	1.0248	2479.487	2480.512	---	---

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	-24.14	≤8.00	PASS
		2440	-22.89	≤8.00	PASS
		2480	-22.44	≤8.00	PASS

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



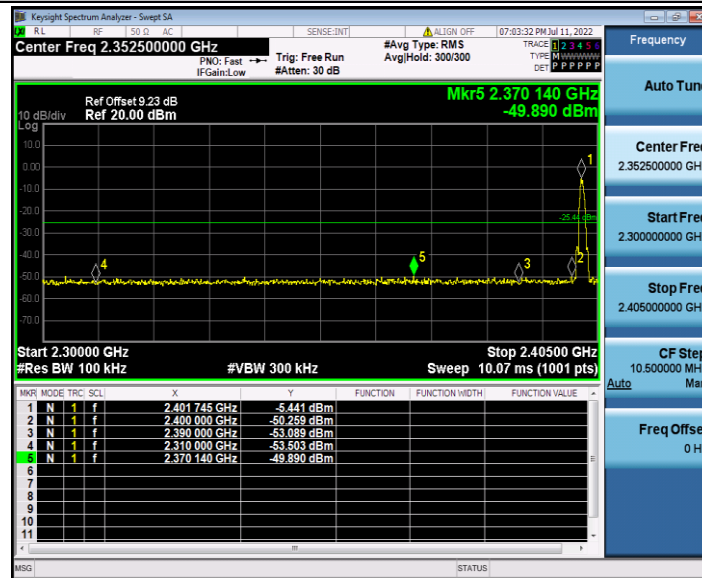
Appendix B.4: Band edge measurements

Test Result

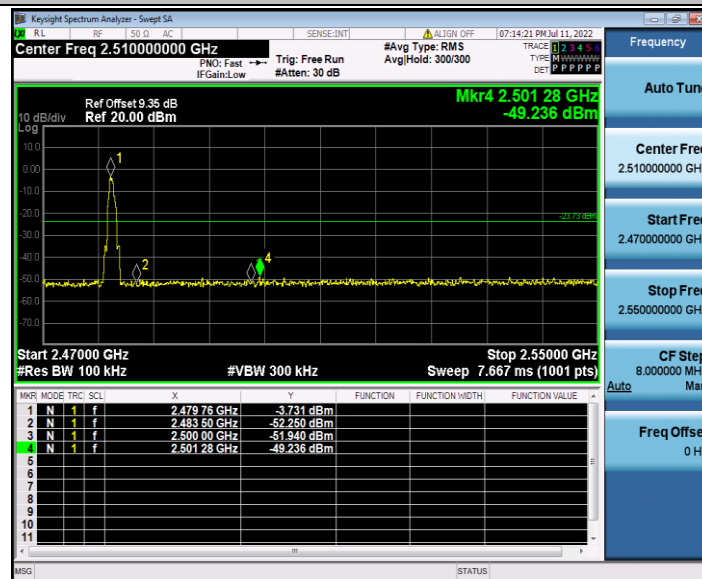
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	-5.44	-49.89	$\leq$ -25.44	PASS
		High	2480	-3.73	-49.24	$\leq$ -23.73	PASS

Test Graphs

BLE_BT4.0_Ant1_Low_2402



BLE_BT4.0_Ant1_High_2480



Appendix B.5: Conducted Spurious Emission

Test Result

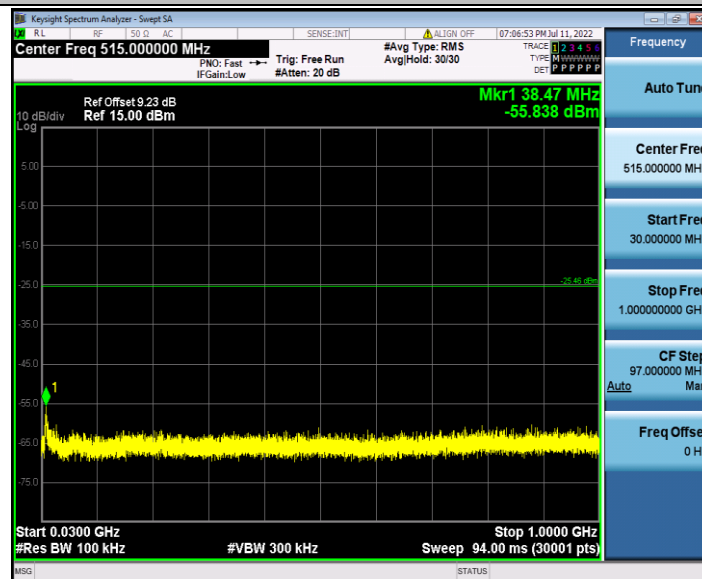
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	Reference	-5.46	-5.46	---	PASS
			30~1000	-5.46	-55.84	≤ -25.46	PASS
			1000~26500	-5.46	-47.42	≤ -25.46	PASS
		2440	Reference	-4.52	-4.52	---	PASS
			30~1000	-4.52	-56.75	≤ -24.52	PASS
			1000~26500	-4.52	-47.32	≤ -24.52	PASS
		2480	Reference	-3.80	-3.80	---	PASS
			30~1000	-3.80	-56.04	≤ -23.8	PASS
			1000~26500	-3.80	-47.1	≤ -23.8	PASS

Test Graphs

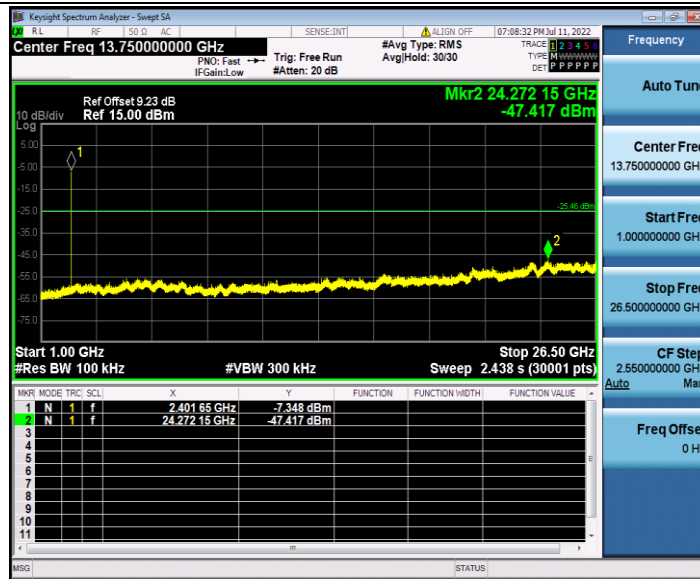
BLE_BT4.0_Ant1_2402_0~Reference



BLE_BT4.0_Ant1_2402_30~1000



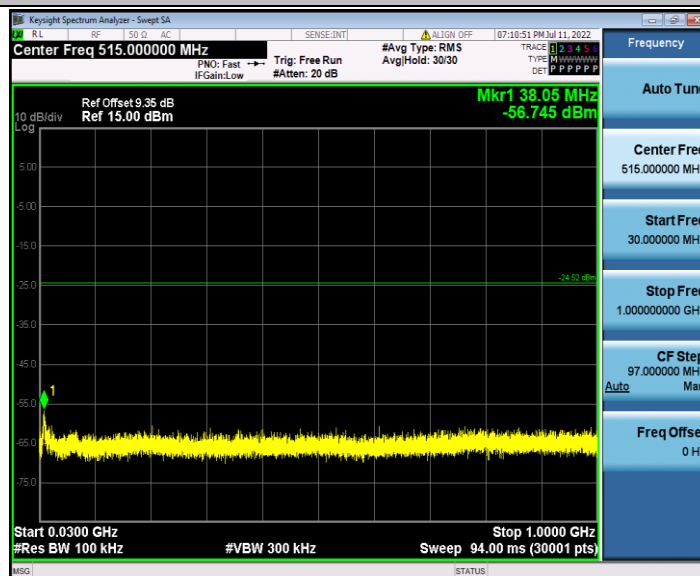
BLE_BT4.0_Ant1_2402_1000~26500



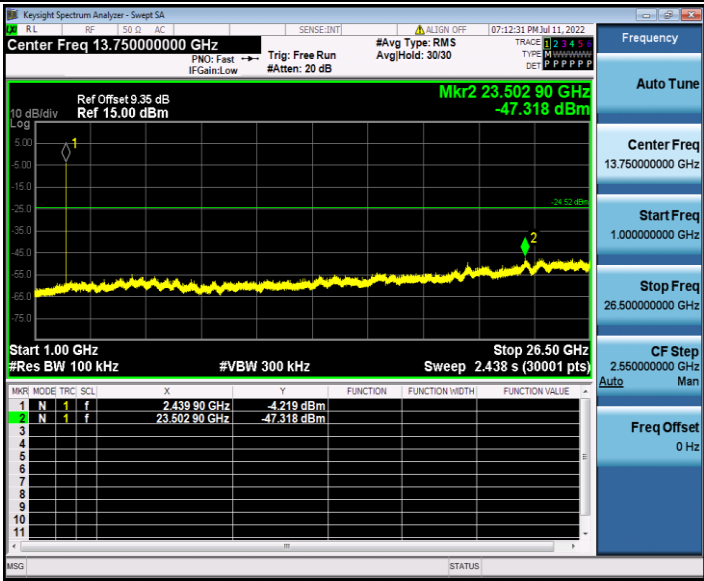
BLE_BT4.0_Ant1_2440_0~Reference



BLE_BT4.0_Ant1_2440_30~1000



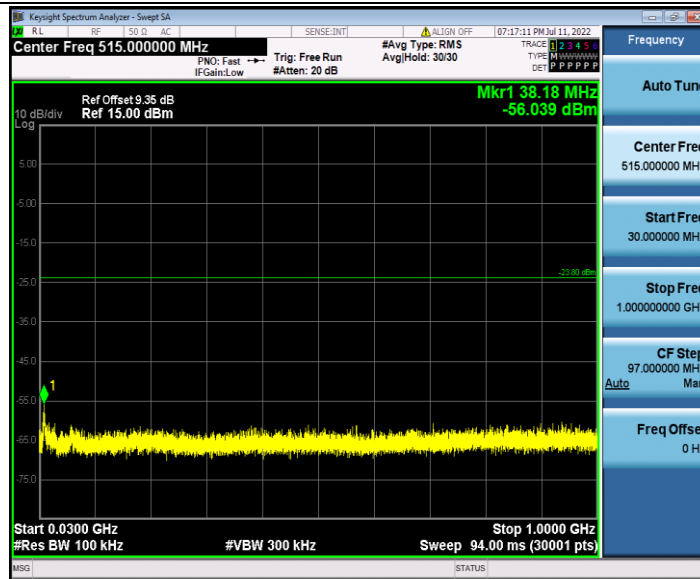
BLE_BT4.0_Ant1_2440_1000-26500



BLE_BT4.0_Ant1_2480_0-Reference



BLE_BT4.0_Ant1_2480_30~1000



BLE_BT4.0_Ant1_2480_1000~26500

