

Case No. : <u>GTS20220720008-1-1</u>	
Ambient Condition: <u>26</u> °C, <u>55</u> %RH,	
Test Date: <u>2022.8.10</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	0.660	2401.664	2402.324	0.5	PASS
		2440	0.676	2439.652	2440.328	0.5	PASS
		2480	0.632	2479.656	2480.288	0.5	PASS

Test Graphs

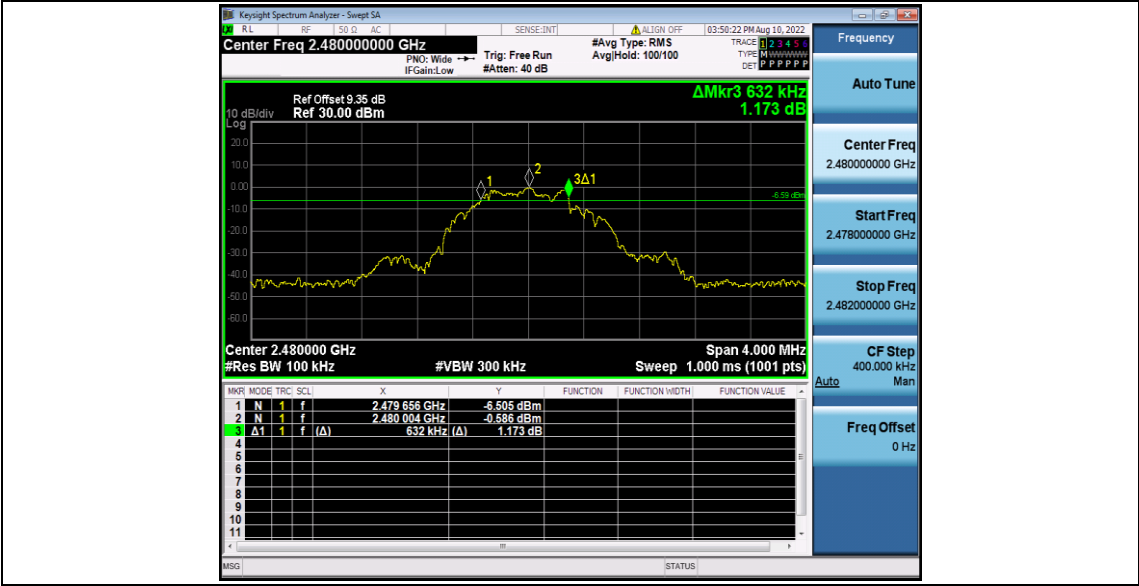
BLE_Ant1_2402



BLE_Ant1_2440



BLE_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	1.0501	2401.488	2402.538	---	---
		2440	1.0509	2439.487	2440.538	---	---
		2480	1.0474	2479.489	2480.537	---	---

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	0.14	≤30	PASS
		2440	-0.05	≤30	PASS
		2480	-0.29	≤30	PASS

Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-17.69	≤8.00	PASS
		2440	-17.90	≤8.00	PASS
		2480	-18.10	≤8.00	PASS

Test Graphs

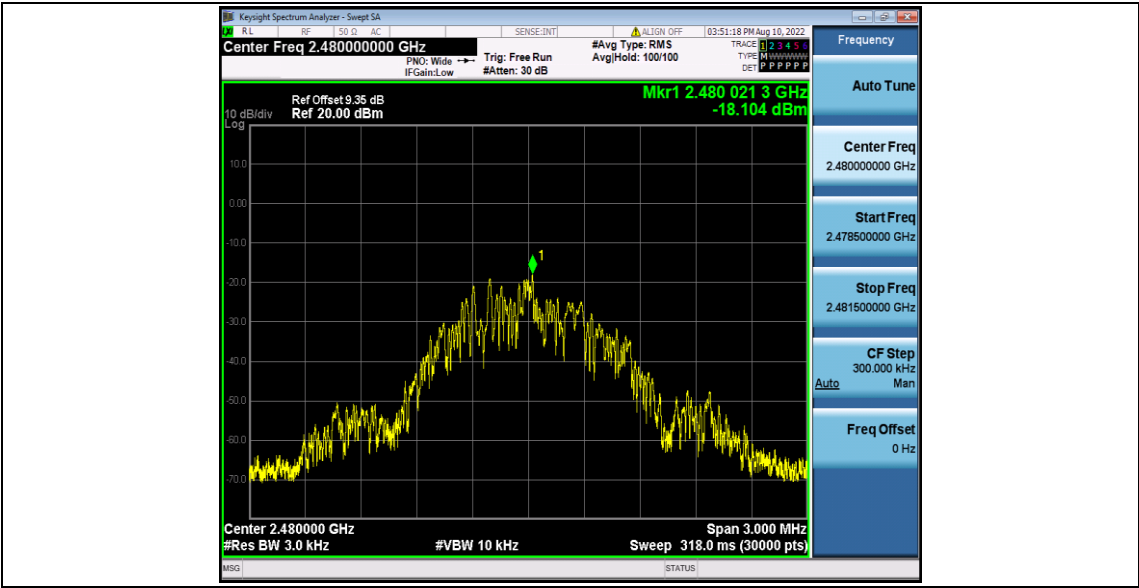
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



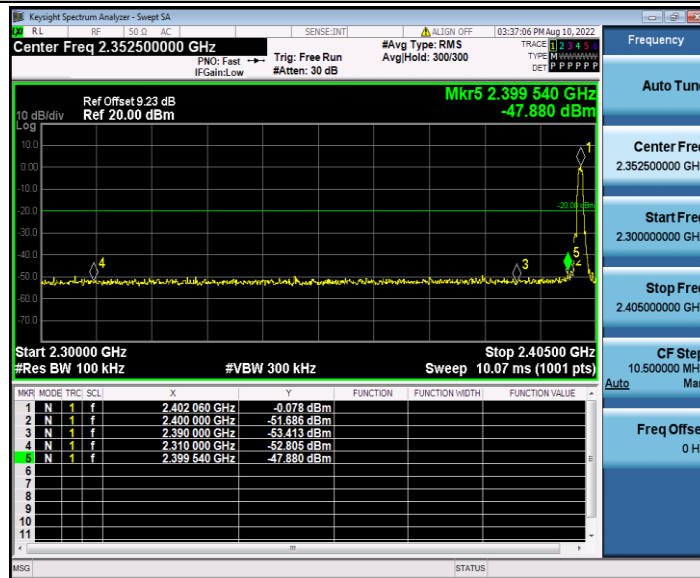
Appendix A.5: Band edge measurements

Test Result

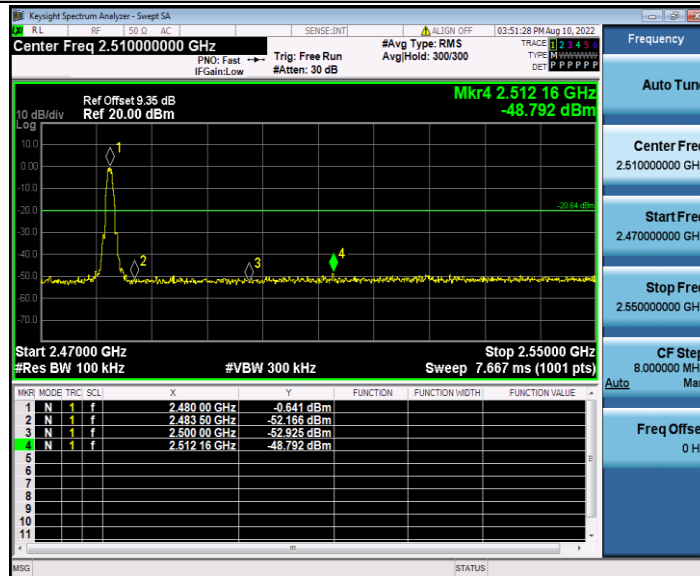
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-0.08	-47.88	≤-20.08	PASS
		High	2480	-0.64	-48.79	≤-20.64	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix A.6: Conducted Spurious Emission

Test Result

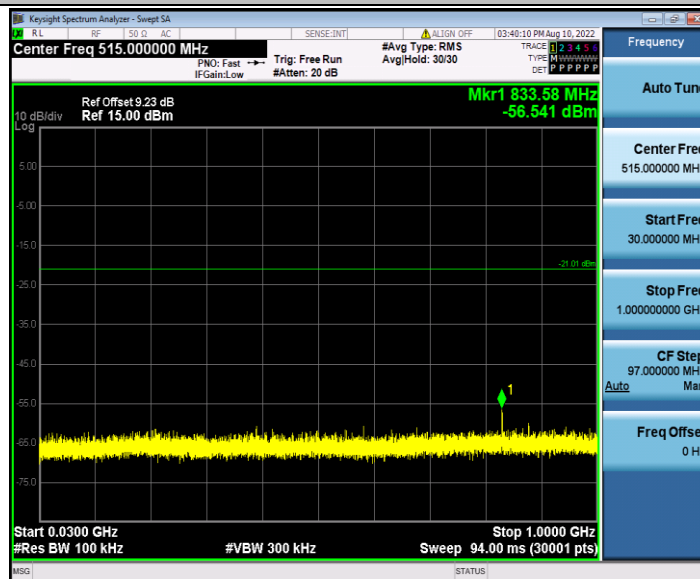
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-1.01	-1.01	---	PASS
			30~1000	-1.01	-56.54	≤ -21.01	PASS
			1000~26500	-1.01	-47.07	≤ -21.01	PASS
		2440	Reference	-0.50	-0.50	---	PASS
			30~1000	-0.50	-60.43	≤ -20.5	PASS
			1000~26500	-0.50	-47.47	≤ -20.5	PASS
		2480	Reference	-2.38	-2.38	---	PASS
			30~1000	-2.38	-60.18	≤ -22.38	PASS
			1000~26500	-2.38	-47.12	≤ -22.38	PASS

Test Graphs

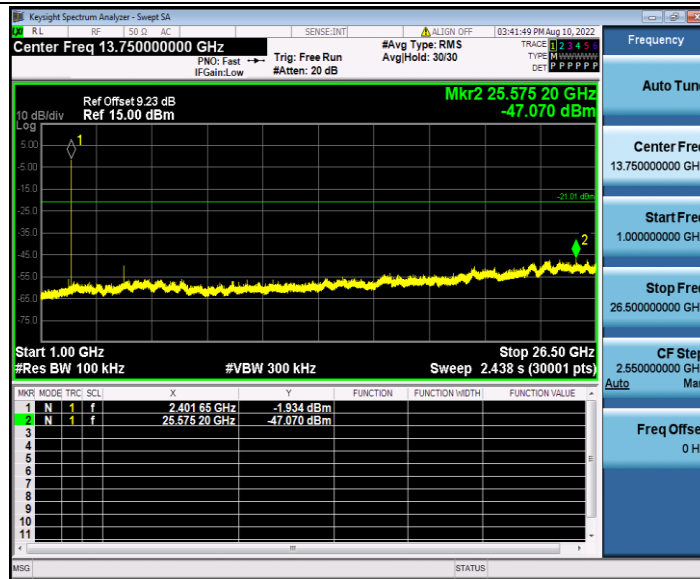
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



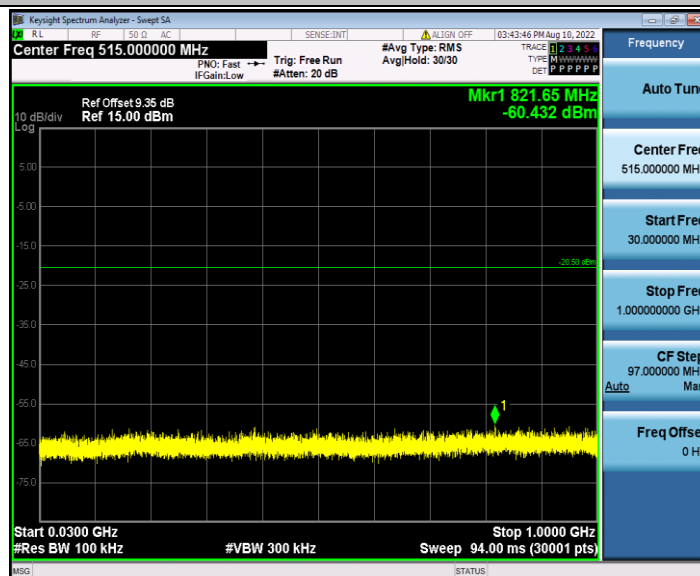
BLE_Ant1_2402_1000~26500



BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



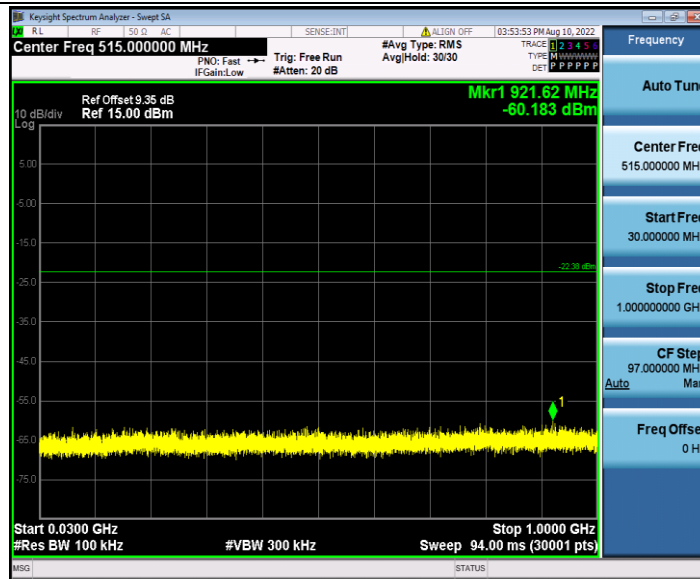
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

