

Case No. : <u>GTS20220704019-1-2</u>	
Ambient Condition: <u>24</u> °C, <u>52</u> %RH,	
Test Date: <u>2022.8.10</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	0.720	2401.700	2402.420	0.5	PASS
		2440	0.724	2439.740	2440.464	0.5	PASS
		2480	0.728	2479.728	2480.456	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	1.1043	2401.545	2402.650	---	---
		2440	1.1106	2439.538	2440.648	---	---
		2480	1.0965	2479.551	2480.648	---	---

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	6.73	≤30	PASS
		2440	6.97	≤30	PASS
		2480	6.41	≤30	PASS

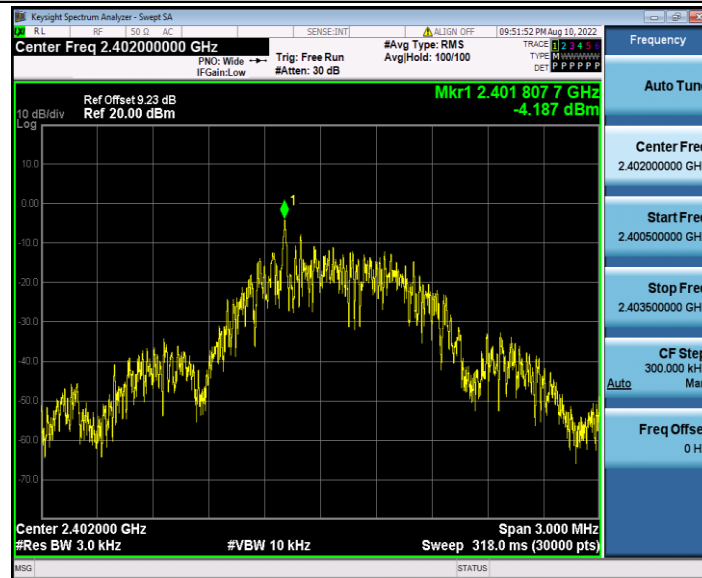
Appendix B.4: Maximum power spectral density

Test Result

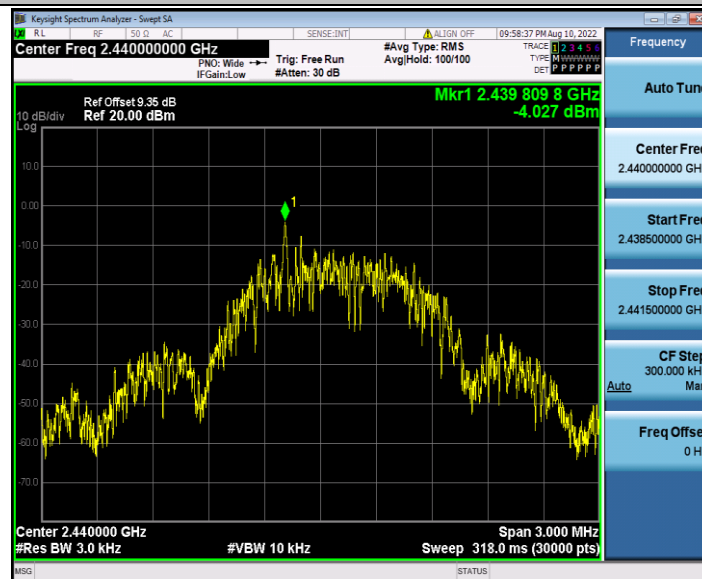
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-4.19	≤8.00	PASS
		2440	-4.03	≤8.00	PASS
		2480	-4.50	≤8.00	PASS

Test Graphs

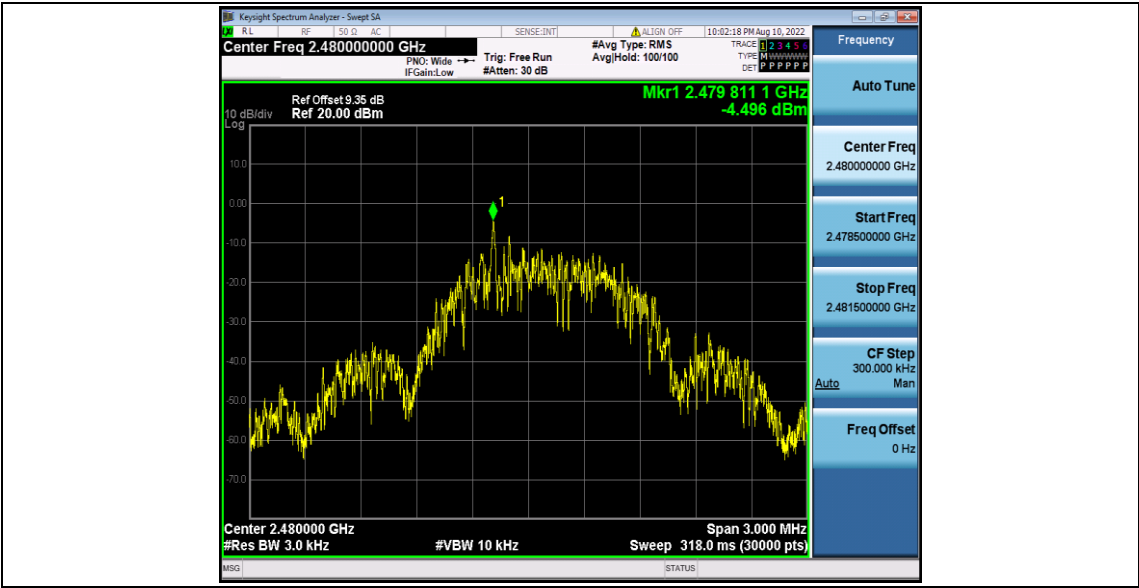
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



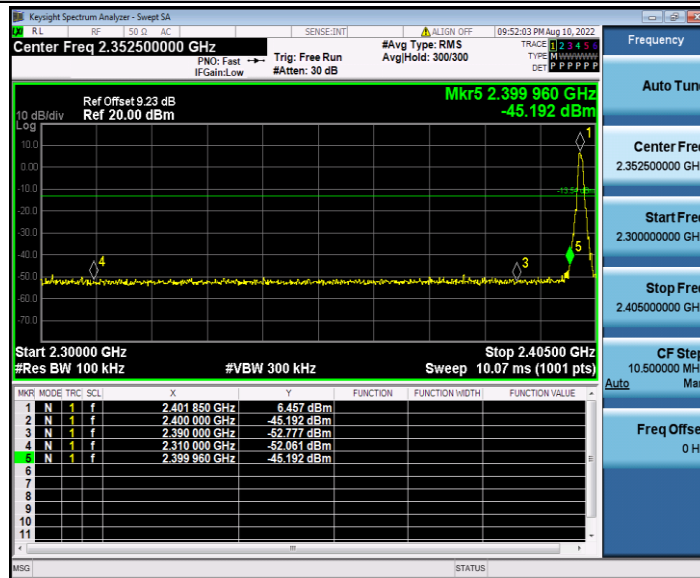
Appendix B.5: Band edge measurements

Test Result

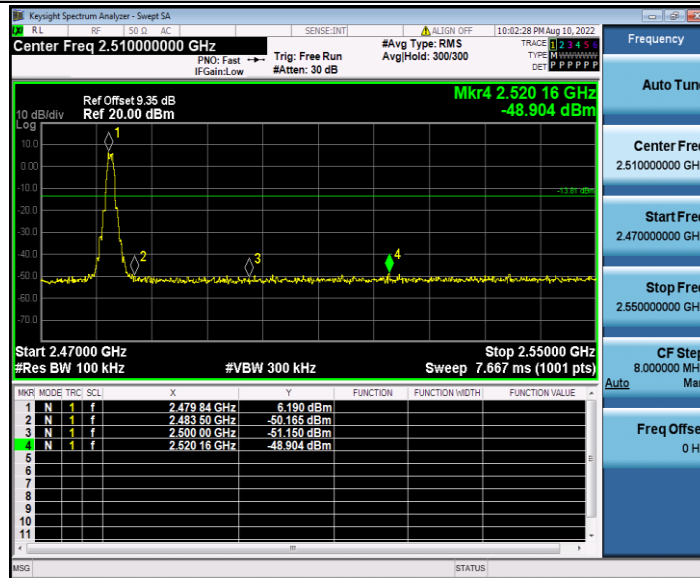
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	6.46	-45.19	≤-13.54	PASS
		High	2480	6.19	-48.9	≤-13.81	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

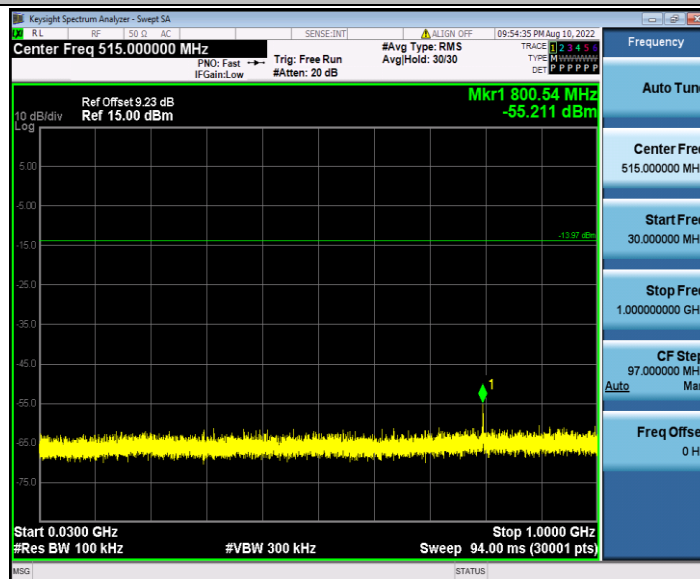
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	6.03	6.03	---	PASS
			30~1000	6.03	-55.21	≤ -13.97	PASS
			1000~26500	6.03	-32.19	≤ -13.97	PASS
		2440	Reference	6.69	6.69	---	PASS
			30~1000	6.69	-55.21	≤ -13.31	PASS
			1000~26500	6.69	-32.39	≤ -13.31	PASS
		2480	Reference	5.92	5.92	---	PASS
			30~1000	5.92	-56.45	≤ -14.08	PASS
			1000~26500	5.92	-34.66	≤ -14.08	PASS

Test Graphs

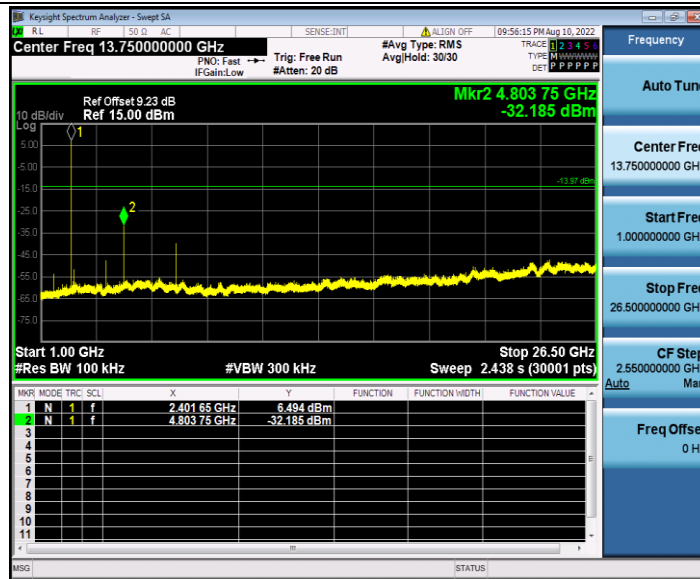
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



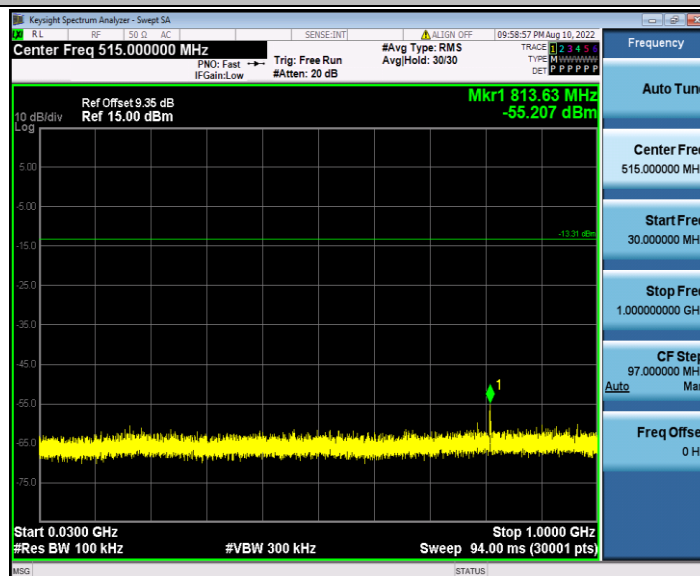
BLE_Ant1_2402_1000~26500

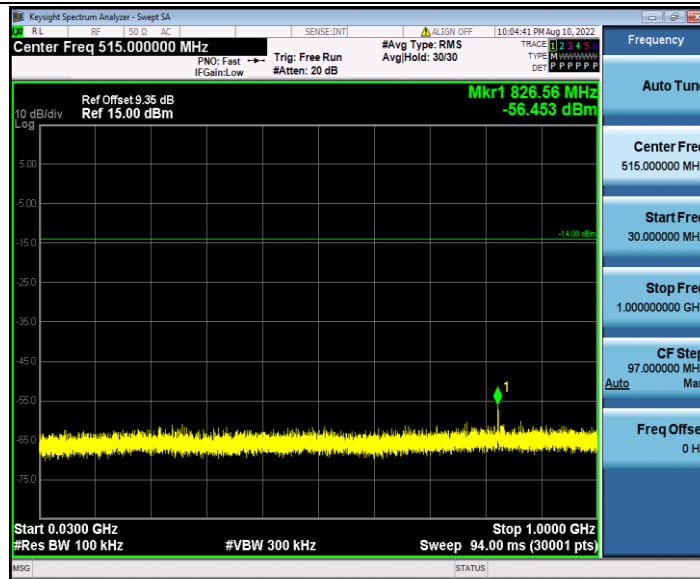


BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000





BLE_Ant1_2480_1000~26500

