

Case No. : <u>GTS20220704019-1-2</u>	
Ambient Condition: <u>25</u> °C, <u>50</u> %RH,	
Test Date: <u>2022.8.10</u>	Test Engineer: <u>Jenny zeng</u>

Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.764	2401.604	2402.368	0.5	PASS
		2440	0.684	2439.652	2440.336	0.5	PASS
		2480	0.700	2479.644	2480.344	0.5	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0621	2401.484	2402.546	---	---
		2440	1.0870	2439.439	2440.526	---	---
		2480	0.99836	2479.491	2480.489	---	---

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	0.91	≤30	PASS
		2440	2.76	≤30	PASS
		2480	6.3	≤30	PASS

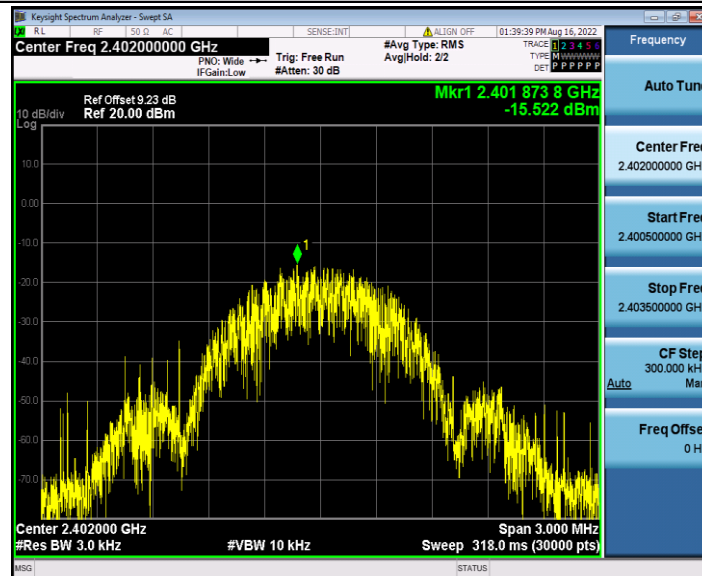
Appendix C.4: Maximum power spectral density

Test Result

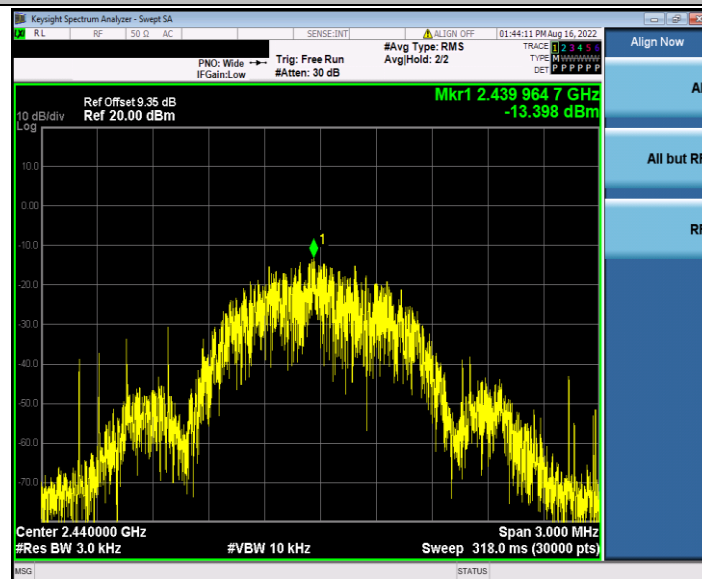
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-15.52	≤8.00	PASS
		2440	-13.44	≤8.00	PASS
		2480	-8.96	≤8.00	PASS

Test Graphs

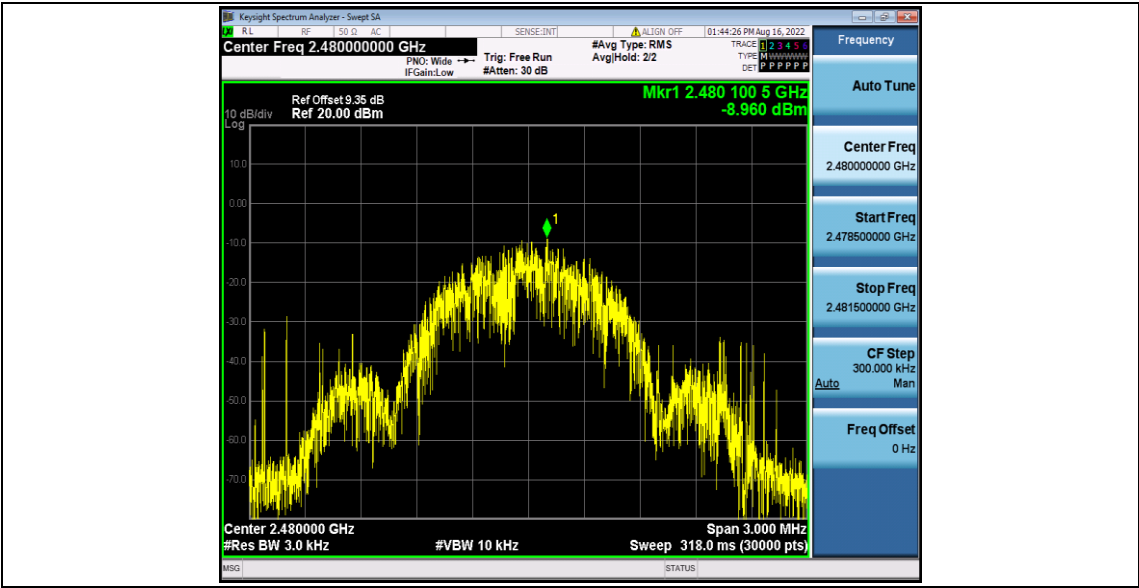
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



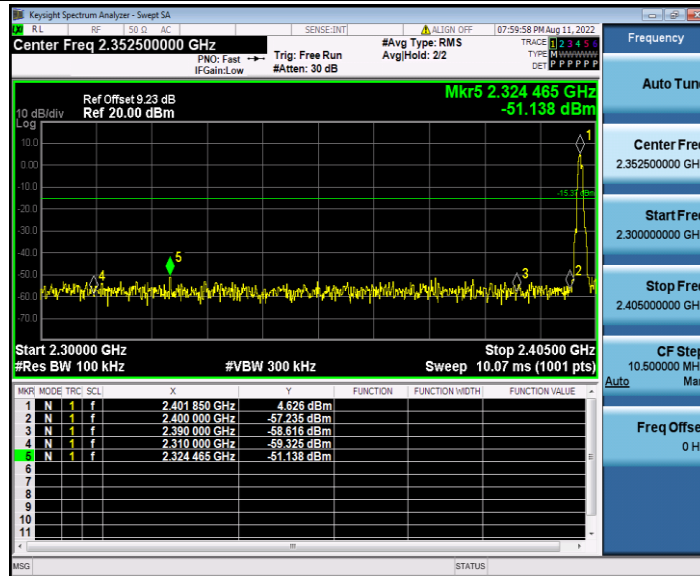
Appendix C.5: Band edge measurements

Test Result

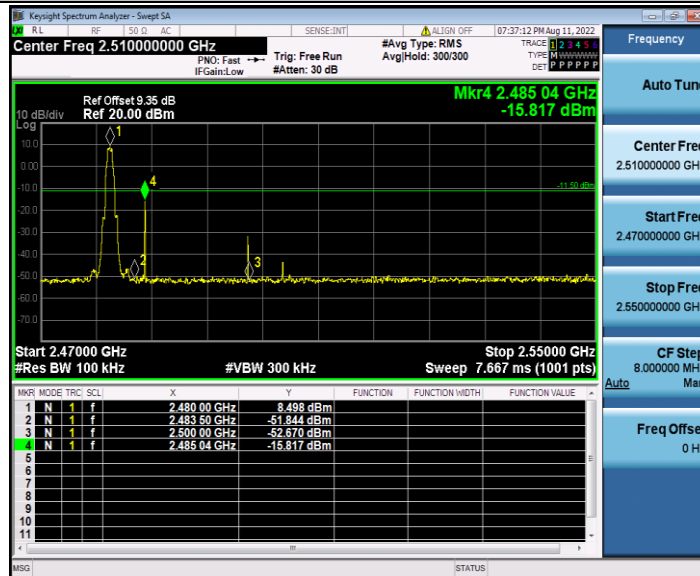
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	4.63	-51.14	≤-15.37	PASS
		High	2480	8.50	-15.82	≤-11.5	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix C.6: Conducted Spurious Emission

Test Result

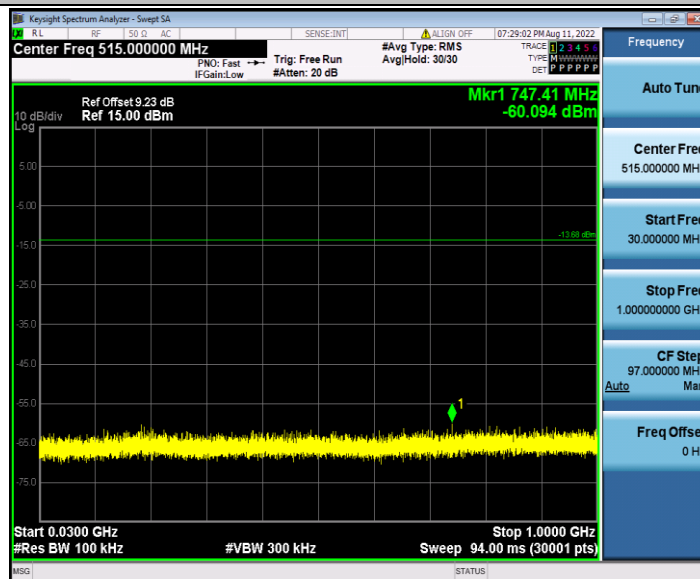
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	6.32	6.32	---	PASS
			30~1000	6.32	-60.09	≤-13.68	PASS
			1000~26500	6.32	-47.62	≤-13.68	PASS
		2440	Reference	8.16	8.16	---	PASS
			30~1000	8.16	-60.18	≤-11.84	PASS
			1000~26500	8.16	-47.42	≤-11.84	PASS
		2480	Reference	8.23	8.23	---	PASS
			30~1000	8.23	-60.22	≤-11.77	PASS
			1000~26500	8.23	-47.45	≤-11.77	PASS

Test Graphs

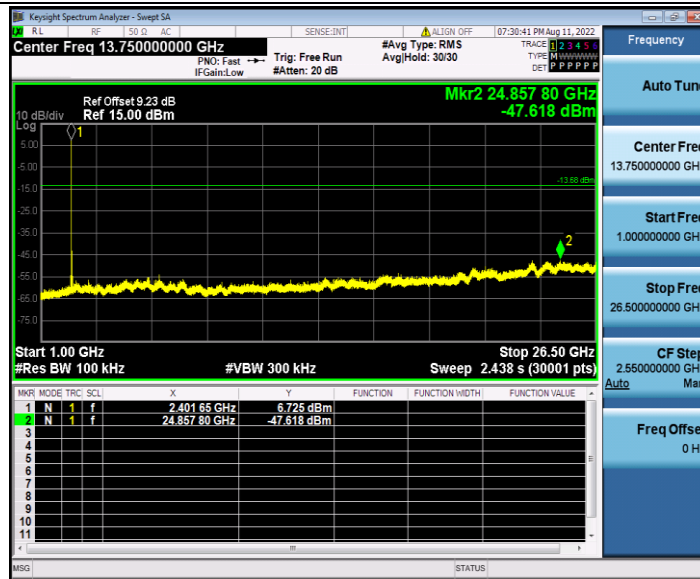
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



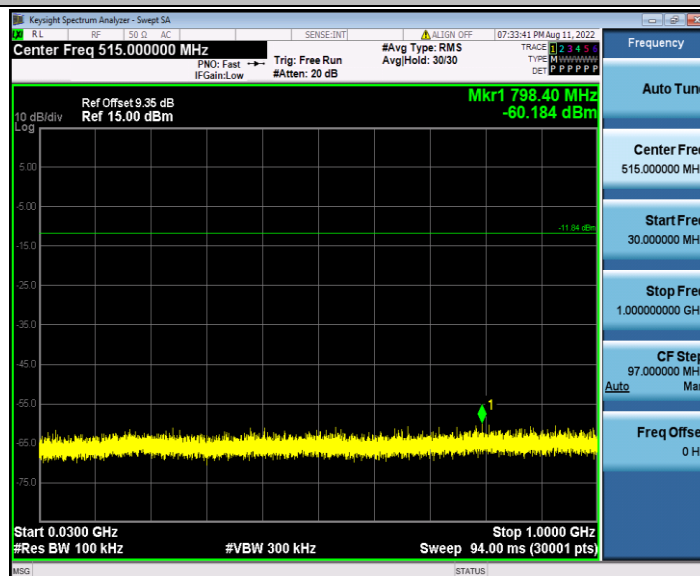
BLE_Ant1_2402_1000~26500



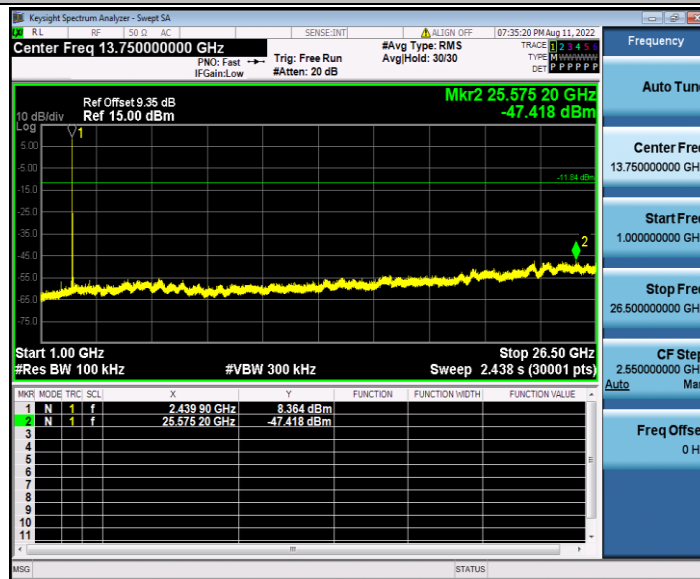
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



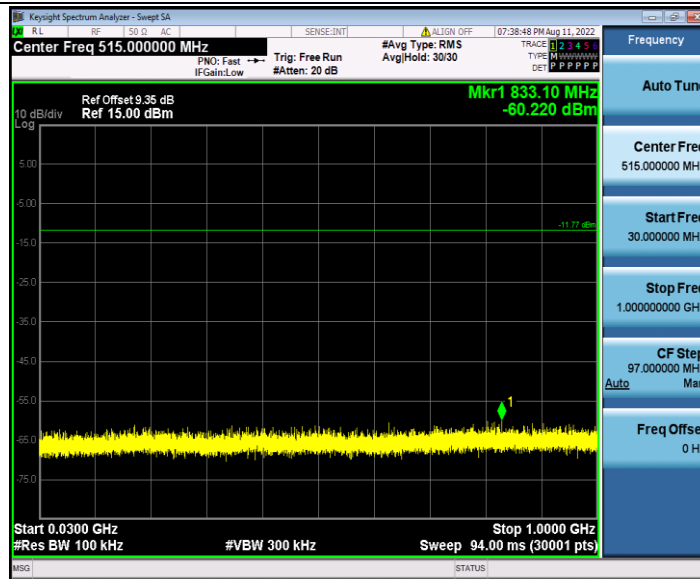
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

