

Case No. : <u>GTS20221216016-1-12</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.1.5</u>	Test Engineer: <u>Jenny zeng</u>

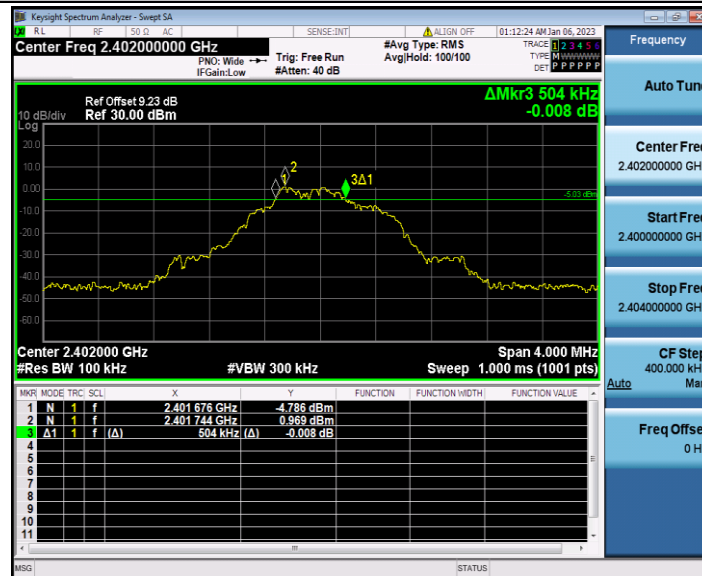
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.504	2401.676	2402.180	0.5	PASS
		2440	0.664	2439.676	2440.340	0.5	PASS
		2480	0.544	2479.668	2480.212	0.5	PASS

Test Graphs

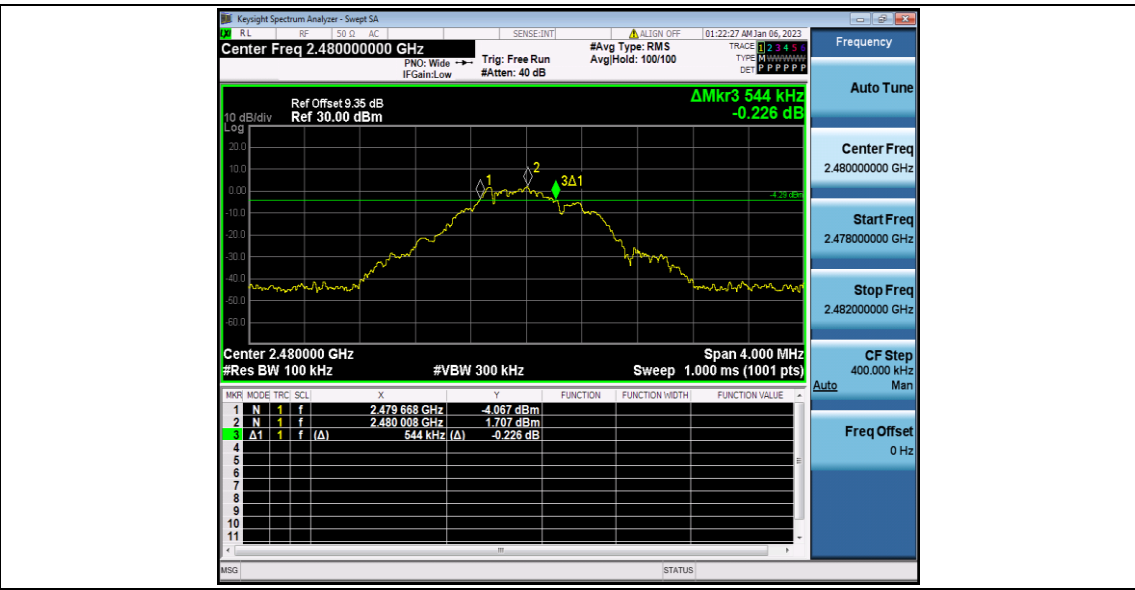
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

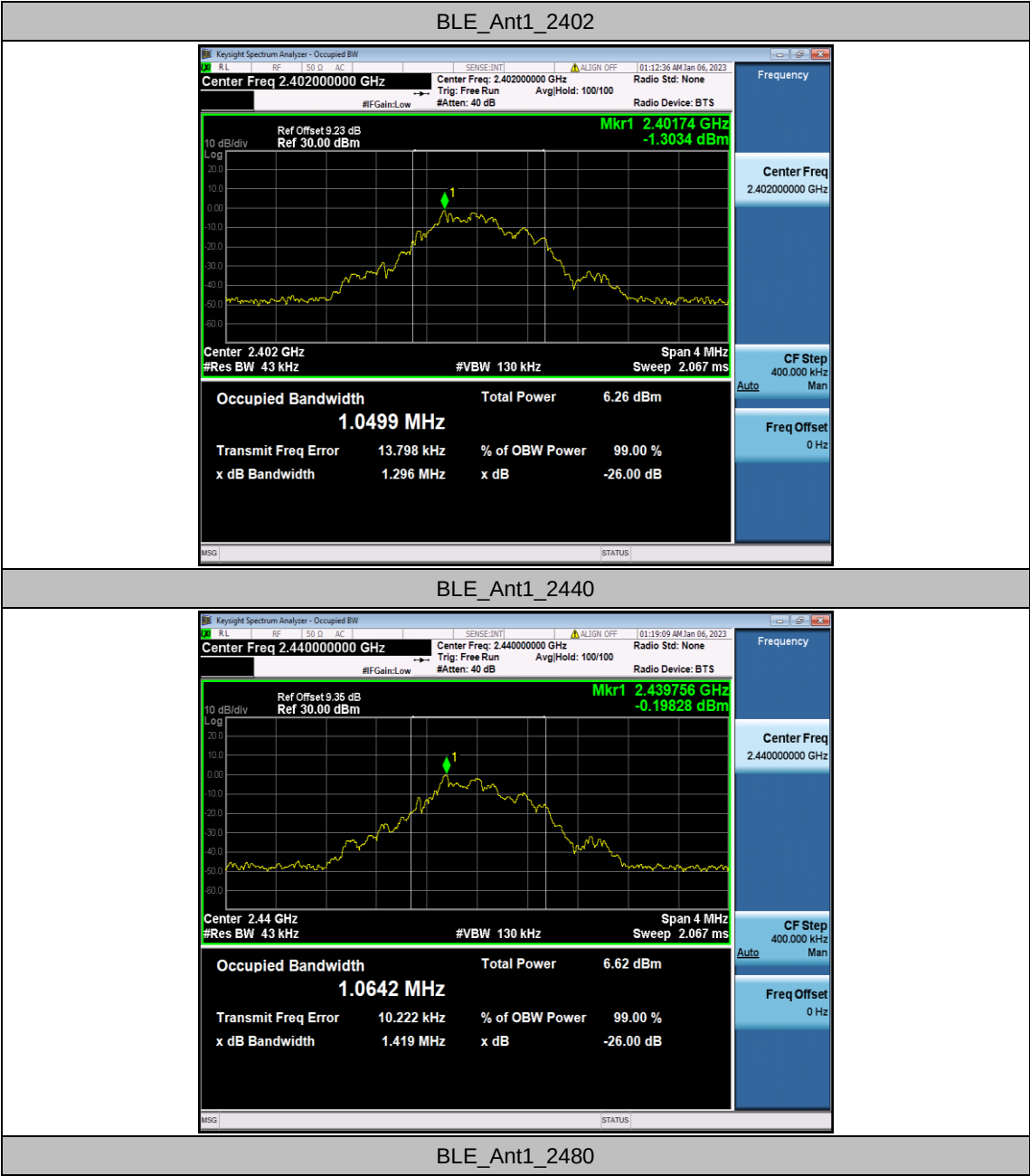


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0499	2401.489	2402.539	---	---
		2440	1.0642	2439.478	2440.542	---	---
		2480	1.0617	2479.470	2480.532	---	---

Test Graphs





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	1.68	≤30	PASS
		2440	1.76	≤30	PASS
		2480	2.63	≤30	PASS

Appendix B.4: Maximum power spectral density

Test Result

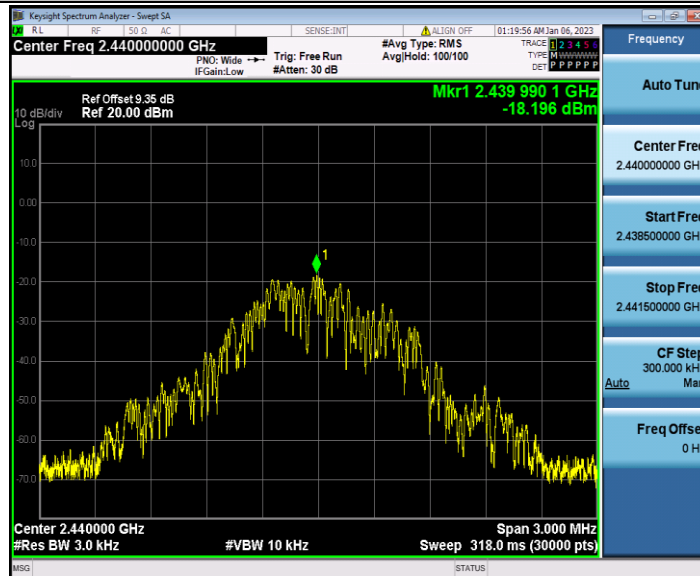
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-18.03	≤8.00	PASS
		2440	-18.2	≤8.00	PASS
		2480	-17.74	≤8.00	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



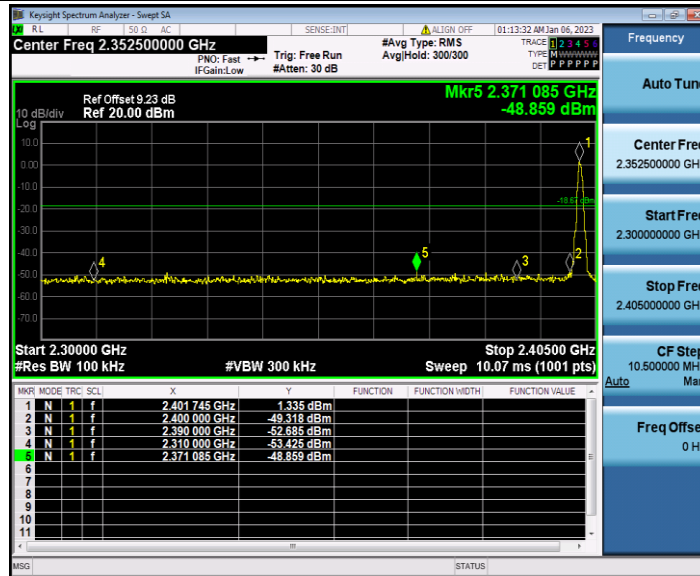
Appendix B.5: Band edge measurements

Test Result

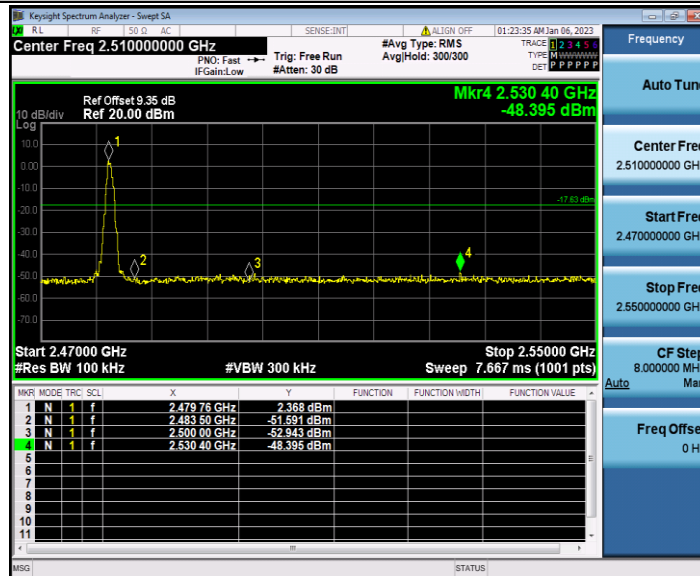
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	1.34	-48.86	≤-18.67	PASS
		High	2480	2.37	-48.4	≤-17.63	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

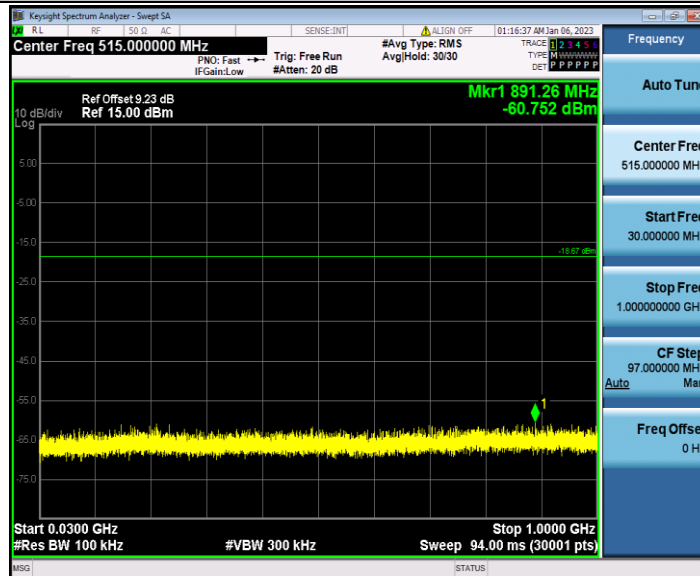
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	1.33	1.33	---	PASS
			30~1000	1.33	-60.75	≤ -18.67	PASS
			1000~26500	1.33	-47.86	≤ -18.67	PASS
		2440	Reference	1.20	1.20	---	PASS
			30~1000	1.20	-60.39	≤ -18.8	PASS
			1000~26500	1.20	-47.62	≤ -18.8	PASS
		2480	Reference	2.39	2.39	---	PASS
			30~1000	2.39	-59.98	≤ -17.61	PASS
			1000~26500	2.39	-43.56	≤ -17.61	PASS

Test Graphs

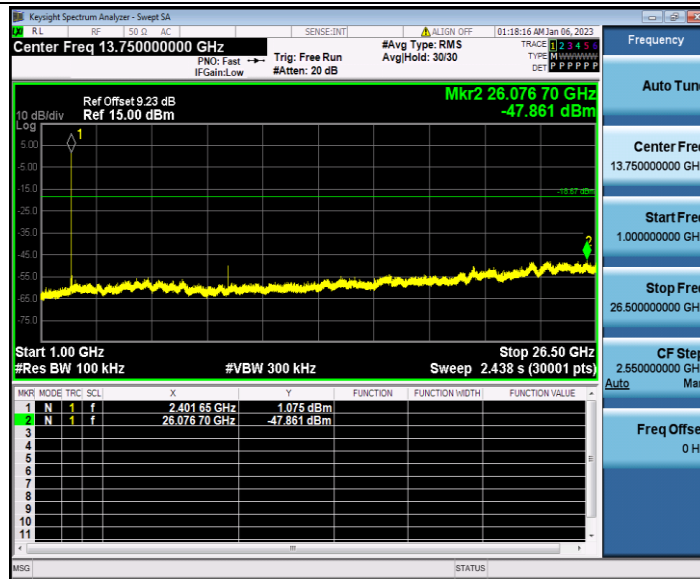
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



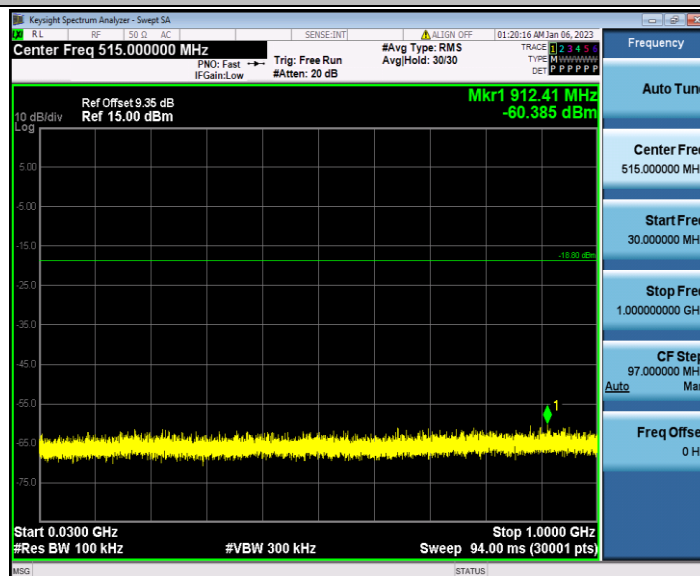
BLE_Ant1_2402_1000~26500



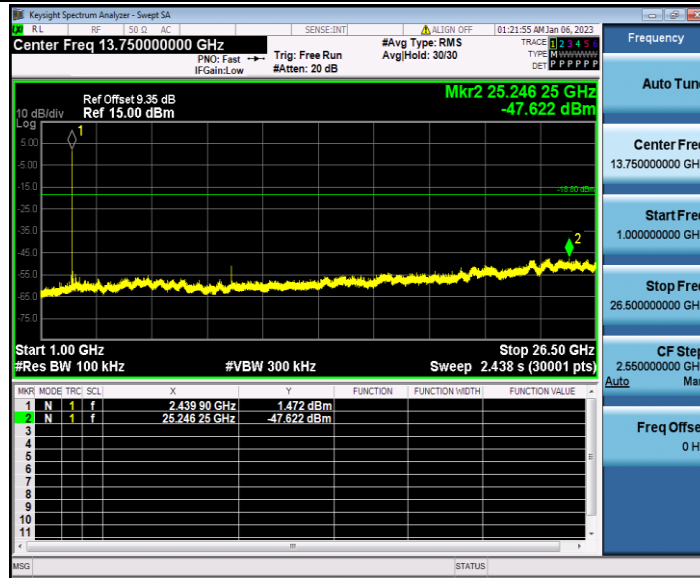
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



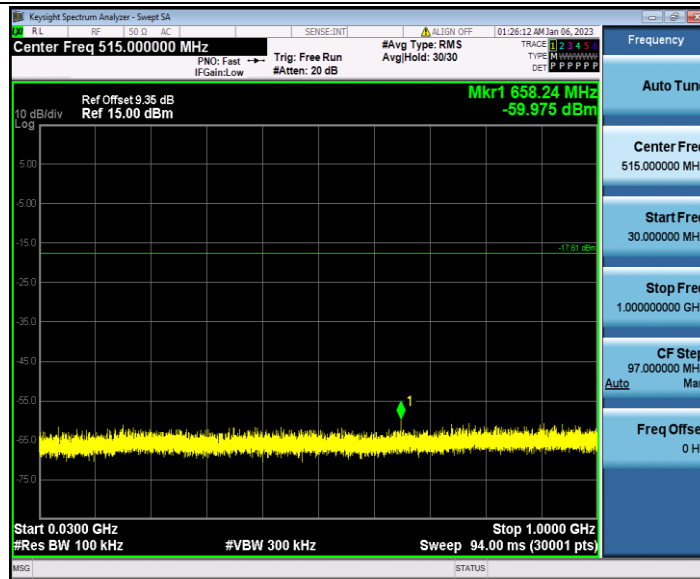
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

