

Case No. : <u>GTS20221008012-1-3</u>	
Ambient Condition: <u>26</u> °C, <u>50</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.10.28</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	0.632	2401.680	2402.312	0.5	PASS
		2440	0.624	2439.676	2440.300	0.5	PASS
		2480	0.648	2479.676	2480.324	0.5	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

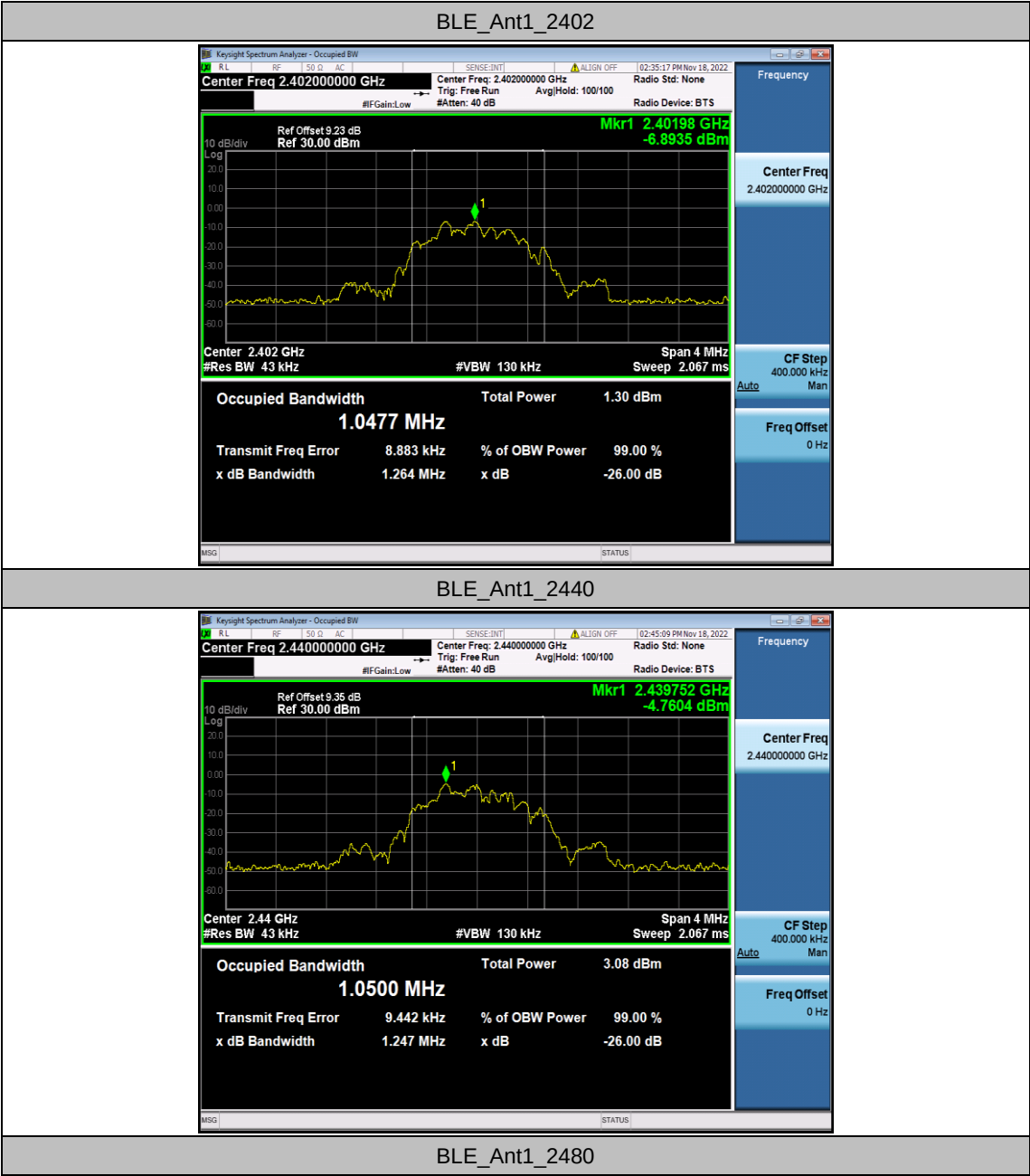


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0477	2401.485	2402.533	---	---
		2440	1.0500	2439.484	2440.534	---	---
		2480	1.0484	2479.483	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	-3.97	≤30	PASS
		2440	-1.98	≤30	PASS
		2480	-2.05	≤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	-20.89	≤8.00	PASS
		2440	-18.75	≤8.00	PASS
		2480	-18.73	≤8.00	PASS

Test Graphs

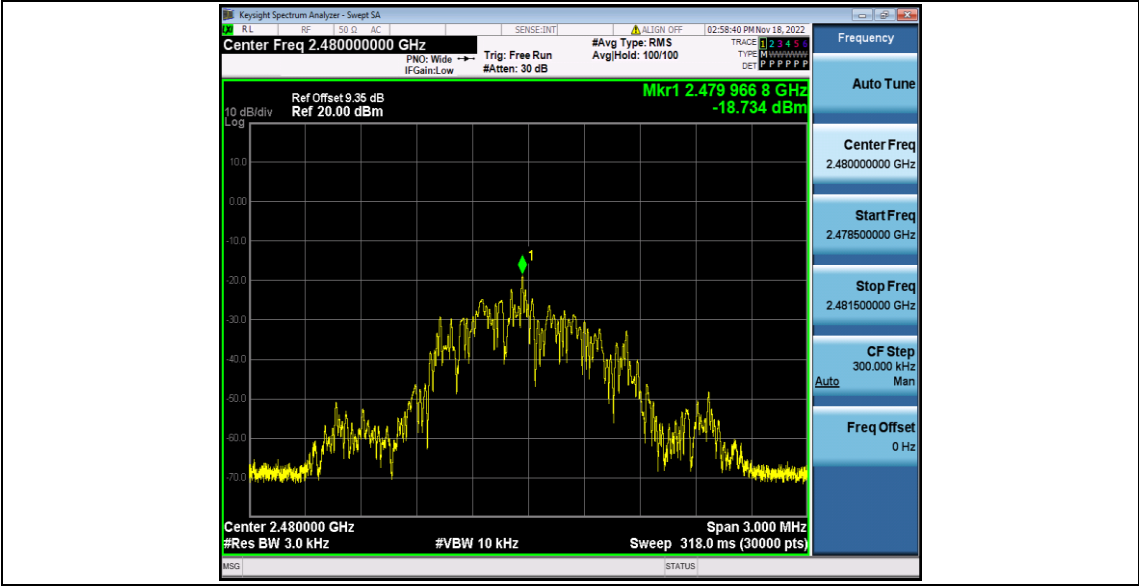
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



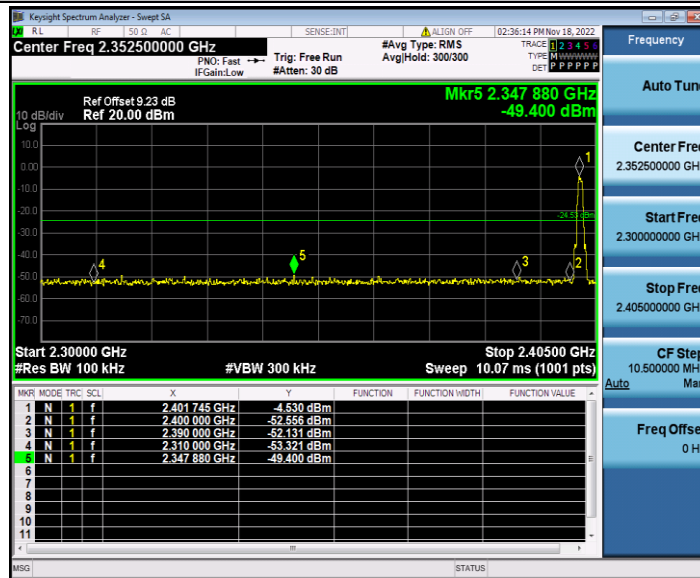
Appendix B.5: Band edge measurements

Test Result

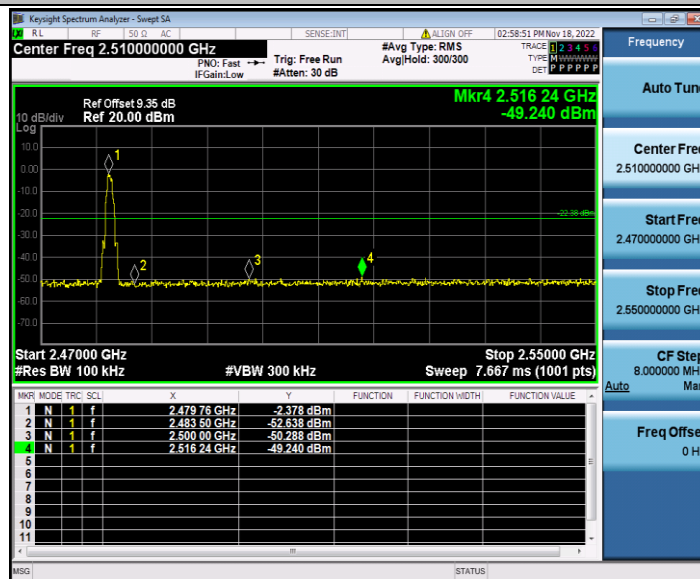
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-4.53	-49.4	≤-24.53	PASS
		High	2480	-2.38	-49.24	≤-22.38	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

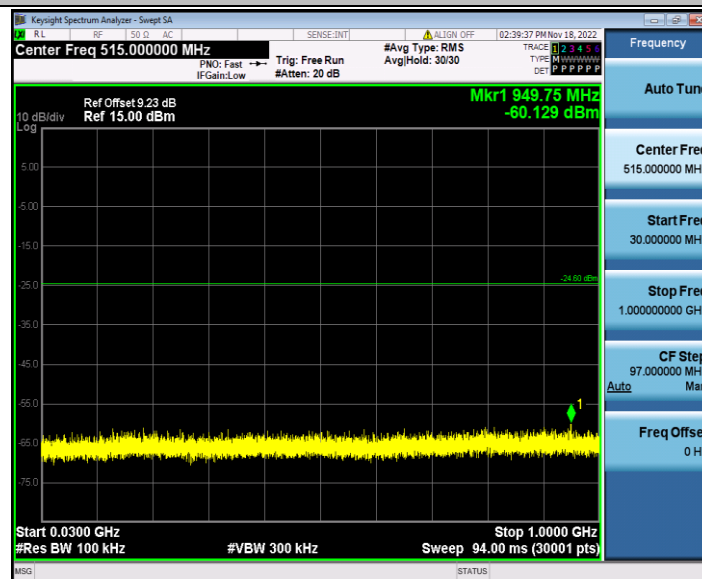
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-4.60	-4.60	---	PASS
			30~1000	-4.60	-60.13	≤ -24.6	PASS
			1000~26500	-4.60	-47.42	≤ -24.6	PASS
		2440	Reference	-2.99	-2.99	---	PASS
			30~1000	-2.99	-60.69	≤ -22.99	PASS
			1000~26500	-2.99	-47.33	≤ -22.99	PASS
		2480	Reference	-3.14	-3.14	---	PASS
			30~1000	-3.14	-60.52	≤ -23.14	PASS
			1000~26500	-3.14	-47.36	≤ -23.14	PASS

Test Graphs

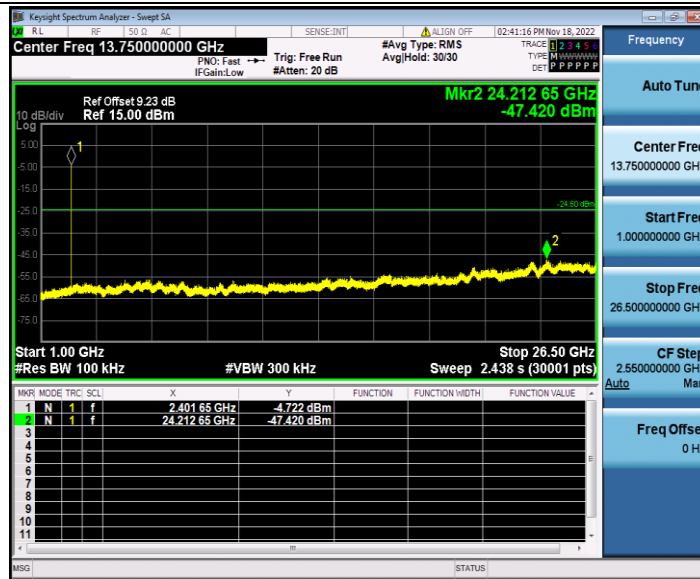
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



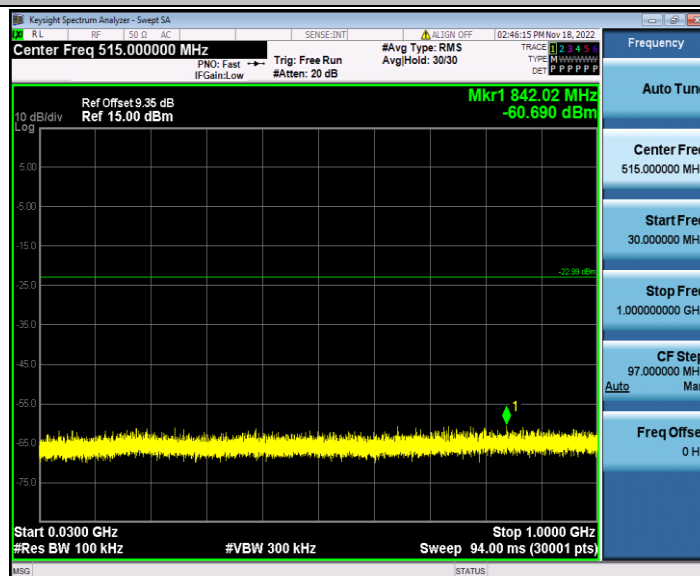
BLE_Ant1_2402_1000~26500



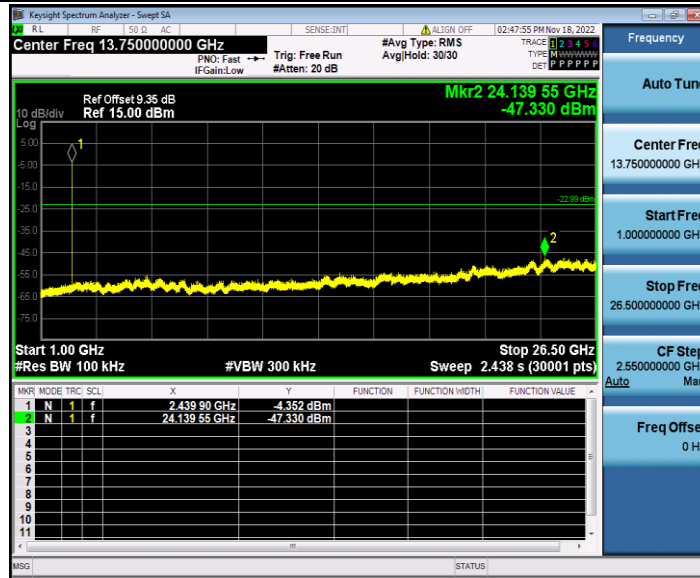
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



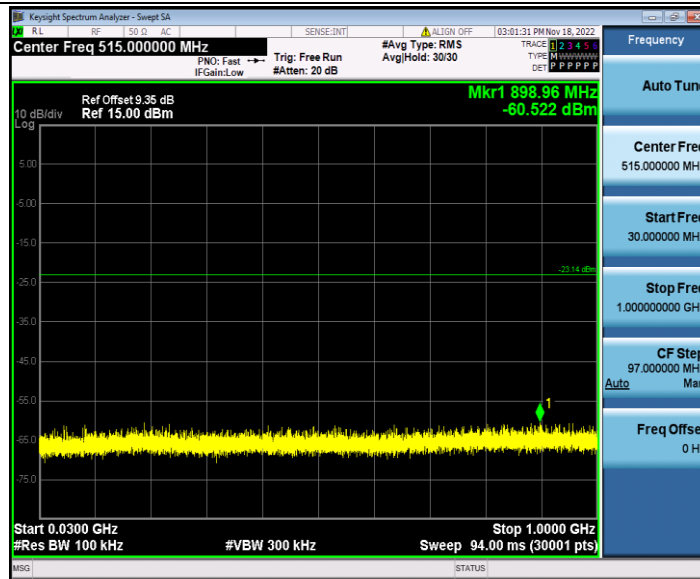
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

