

Case No. : <u>GTS20230210003-1-4</u>
Ambient Condition: <u>25 °C, 45 %RH, Atmos100.1Kpa,</u>
Test Date: <u>2023.2.27</u> Test Engineer: <u>Jenny zeng</u>

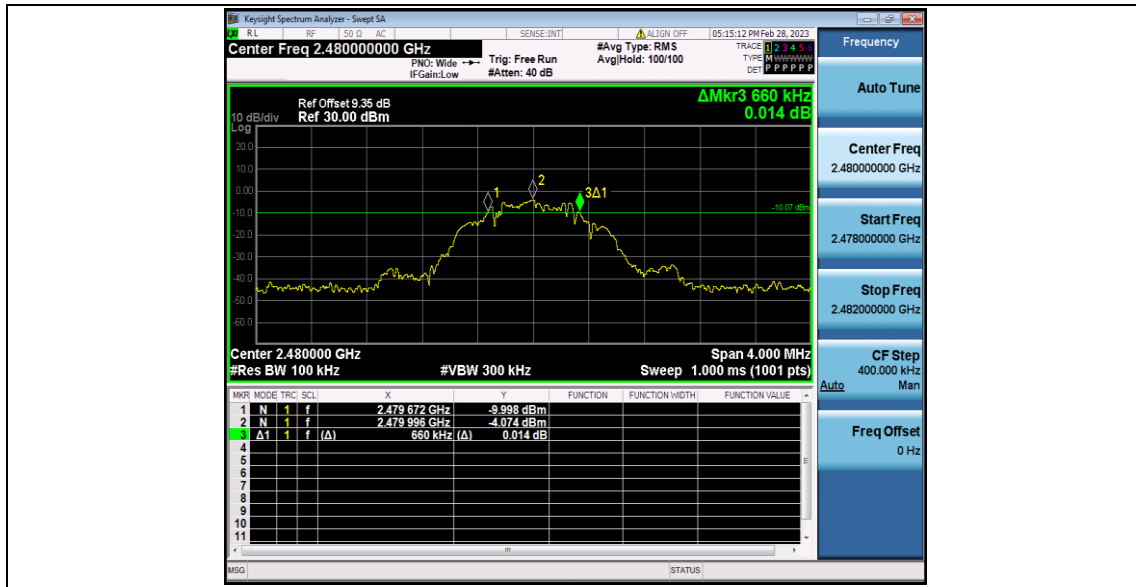
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.648	2401.680	2402.328	0.5	PASS
		2440	0.508	2439.672	2440.180	0.5	PASS
		2480	0.660	2479.672	2480.332	0.5	PASS

Test Graphs



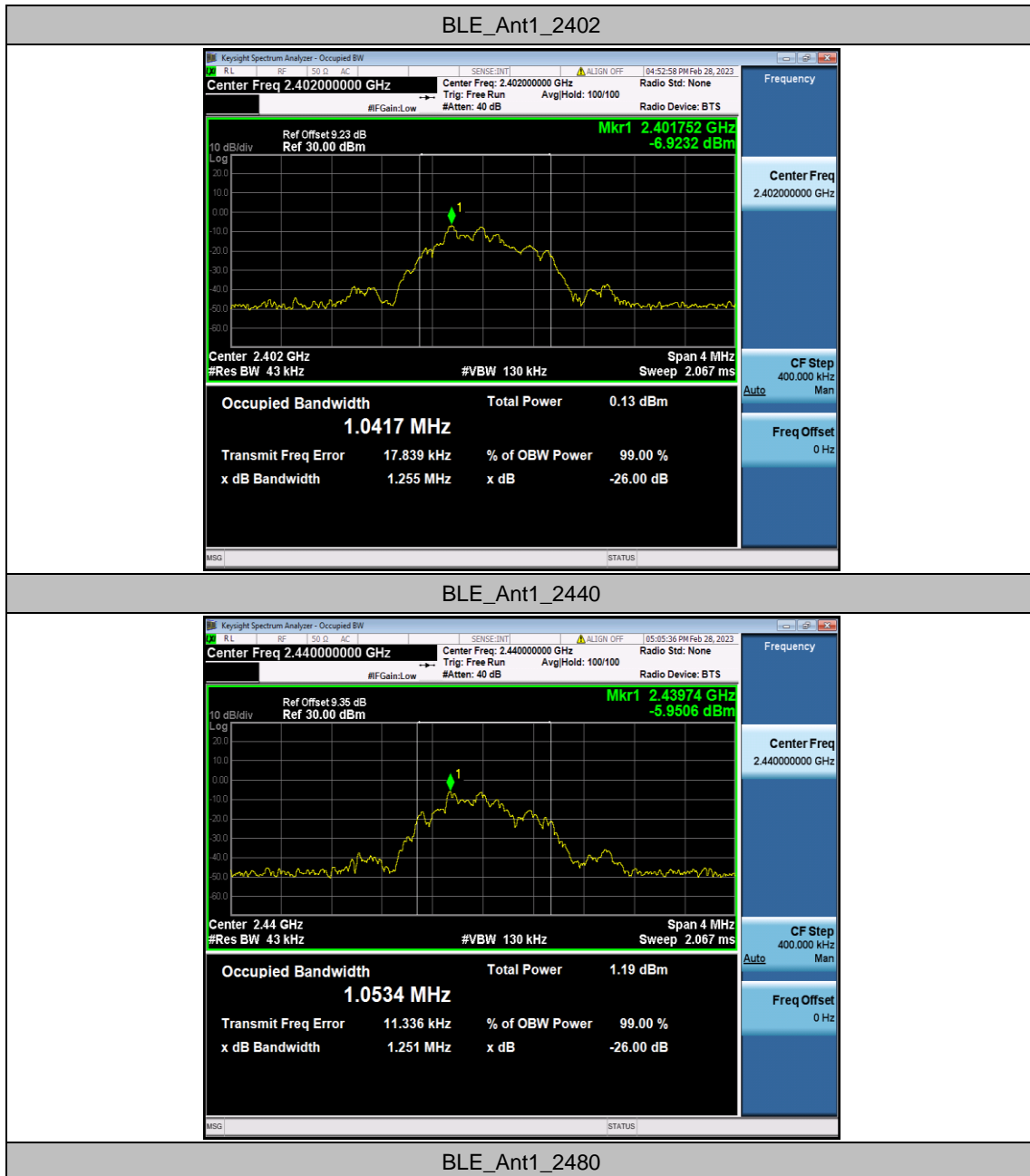


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0417	2401.497	2402.539	---	---
		2440	1.0534	2439.485	2440.538	---	---
		2480	1.0420	2479.499	2480.541	---	---

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	-4.82	≤30	PASS
		2440	-3.47	≤30	PASS
		2480	-3.16	≤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	-23.99	≤8.00	PASS
		2440	-22.64	≤8.00	PASS
		2480	-22.29	≤8.00	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

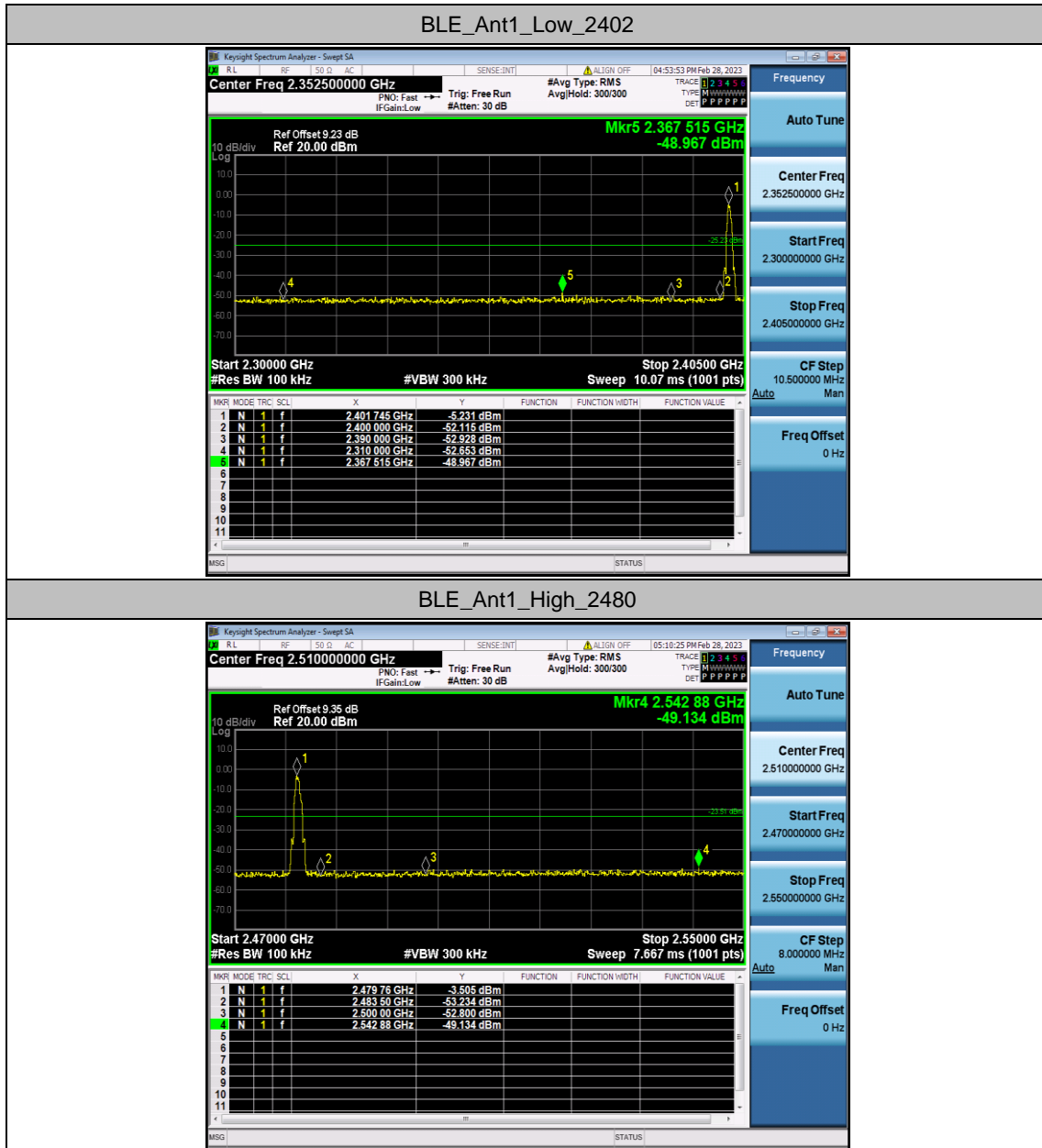


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-5.23	-48.97	≤-25.23	PASS
		High	2480	-3.51	-49.13	≤-23.51	PASS

Test Graphs



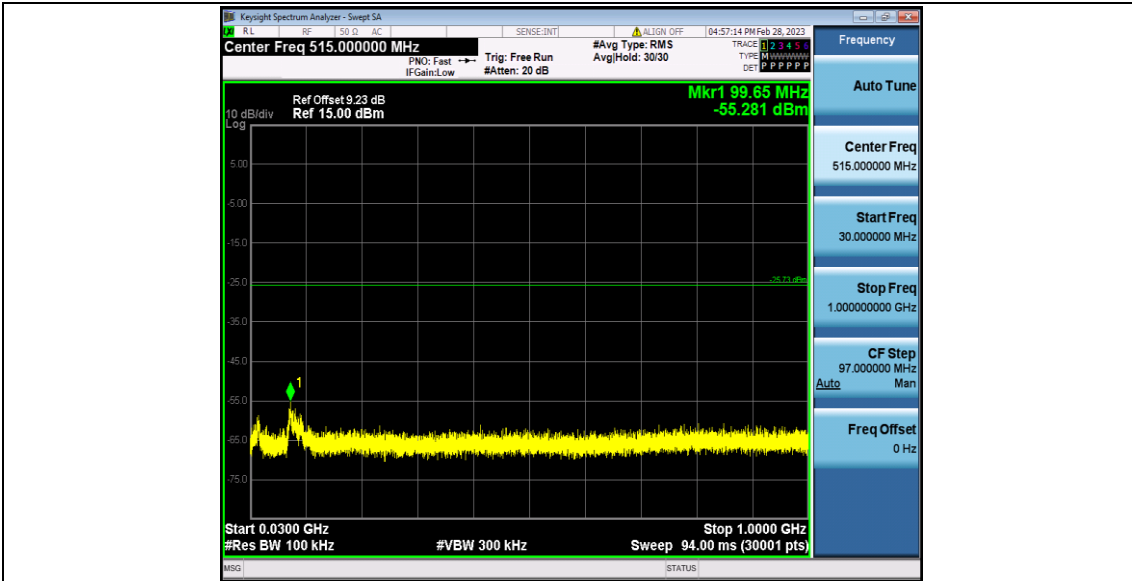
Appendix B.6: Conducted Spurious Emission

Test Result

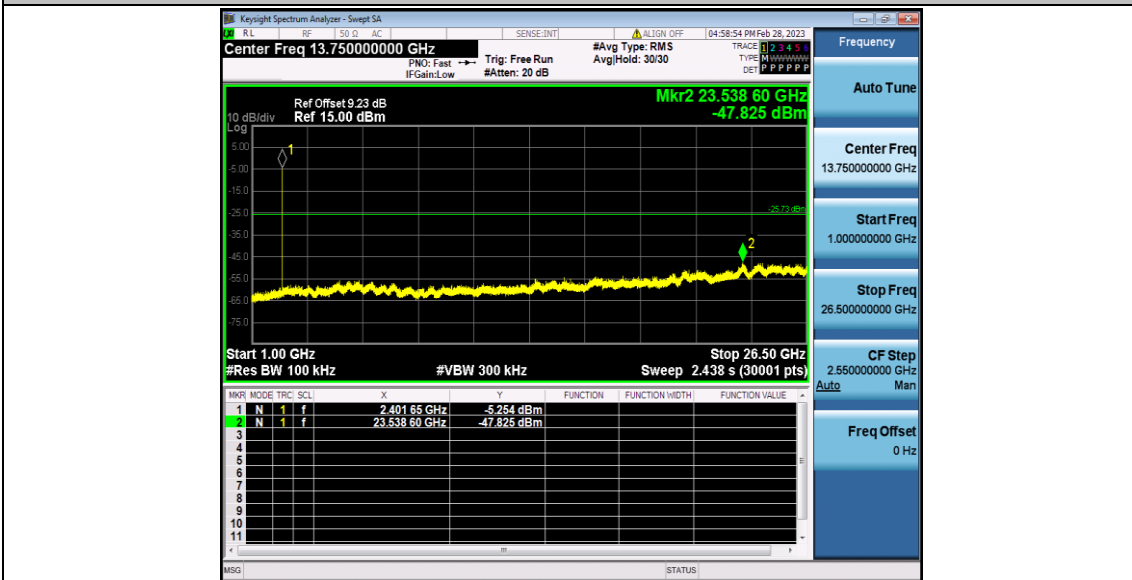
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-5.73	-5.73	---	PASS
			30~1000	-5.73	-55.28	≤-25.73	PASS
			1000~26500	-5.73	-47.83	≤-25.73	PASS
		2440	Reference	-4.44	-4.44	---	PASS
			30~1000	-4.44	-58.63	≤-24.44	PASS
			1000~26500	-4.44	-46.95	≤-24.44	PASS
		2480	Reference	-4.14	-4.14	---	PASS
			30~1000	-4.14	-58.47	≤-24.14	PASS
			1000~26500	-4.14	-47.77	≤-24.14	PASS

Test Graphs





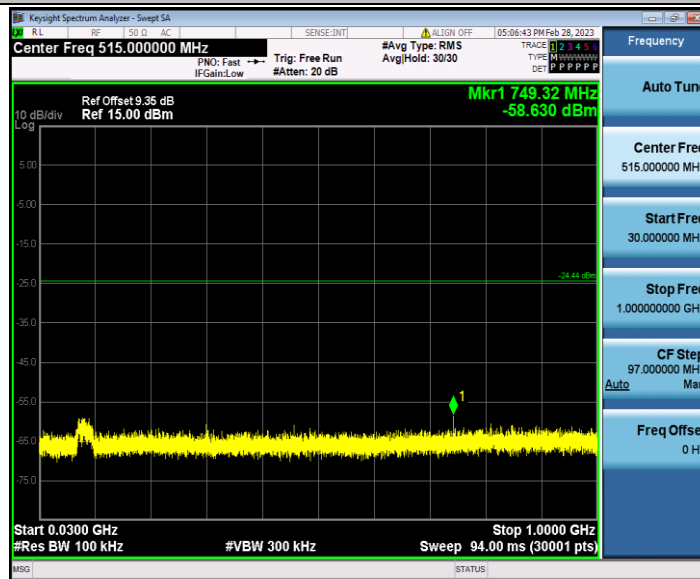
BLE_Ant1_2402_1000~26500



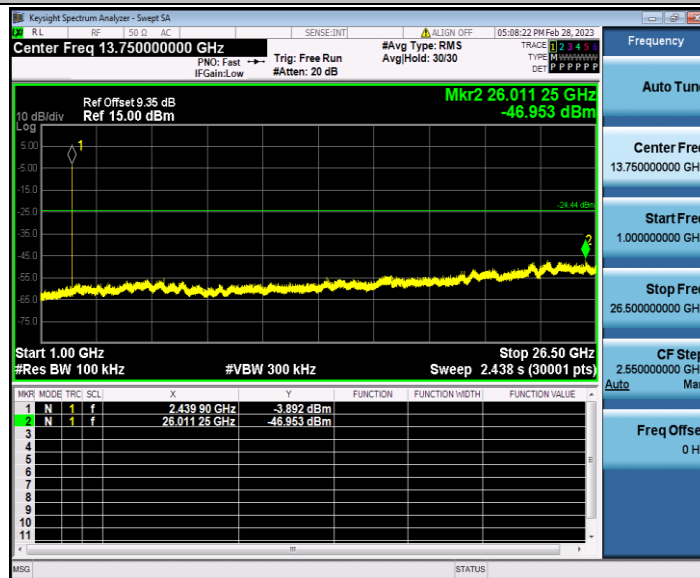
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



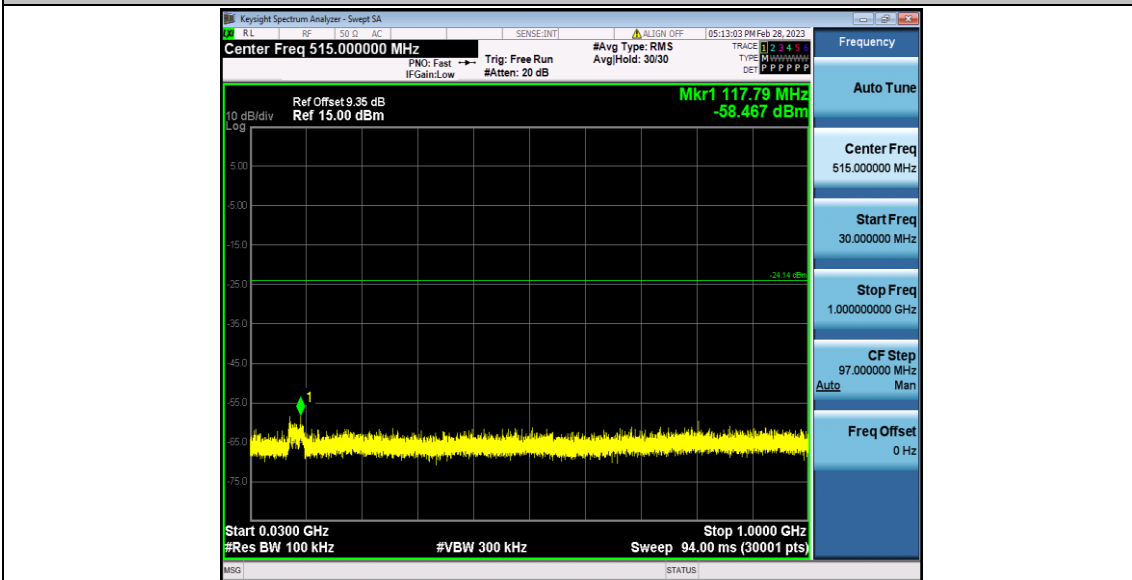
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

