

Appendix for FCC BLE

Test Report No. :CTL2207269022-WF02

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	0.712	2401.652	2402.364	0.5	PASS
		2440	0.712	2439.652	2440.364	0.5	PASS
		2480	0.720	2479.644	2480.364	0.5	PASS

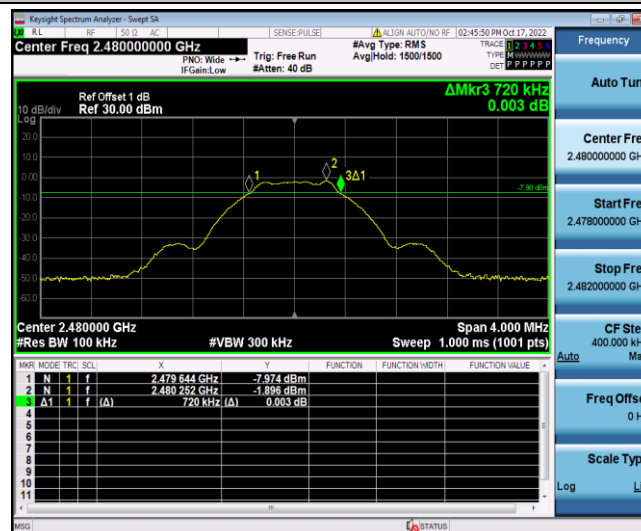
Test Graphs



BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



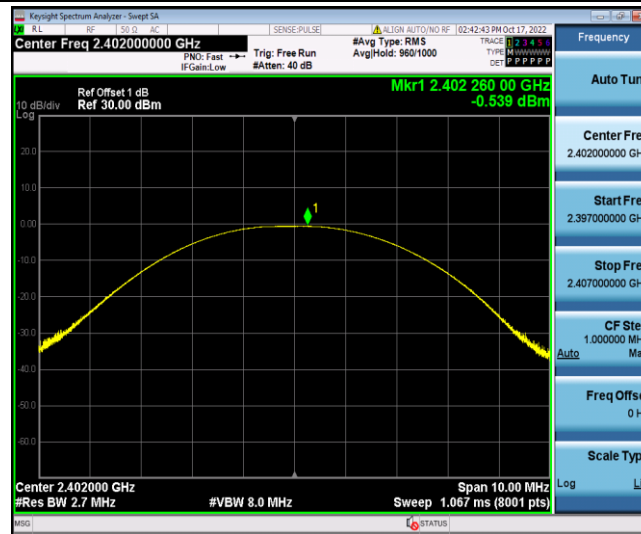
BLE_BT4.0_Ant1_2480

Appendix B: Maximum conducted output power

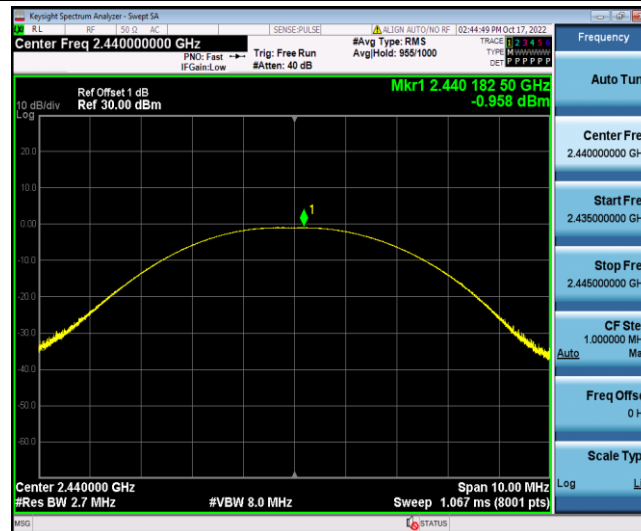
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	-0.54	≤30	PASS
		2440	-0.96	≤30	PASS
		2480	-0.96	≤30	PASS

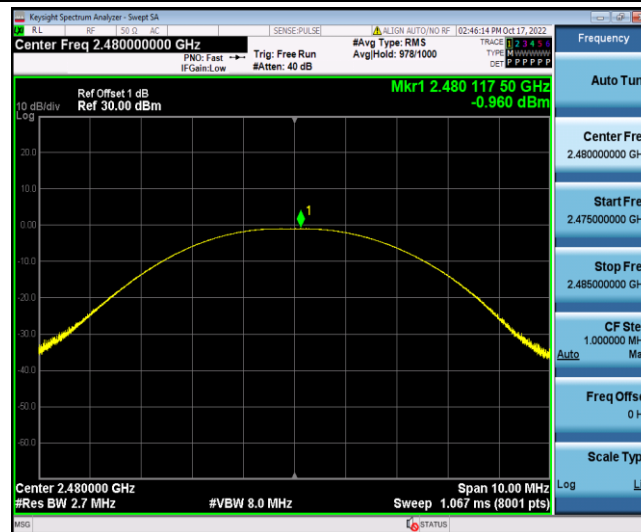
Test Graphs



BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480

Appendix C: Maximum power spectral density

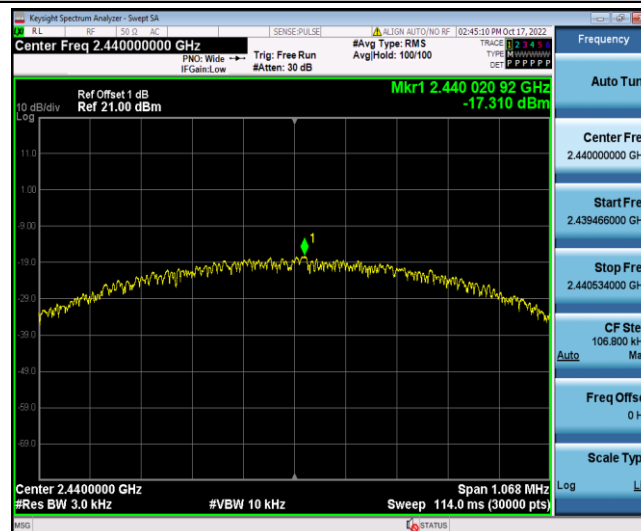
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_BT4.0	Ant1	2402	-17.02	≤8	PASS
		2440	-17.31	≤8	PASS
		2480	-17.24	≤8	PASS

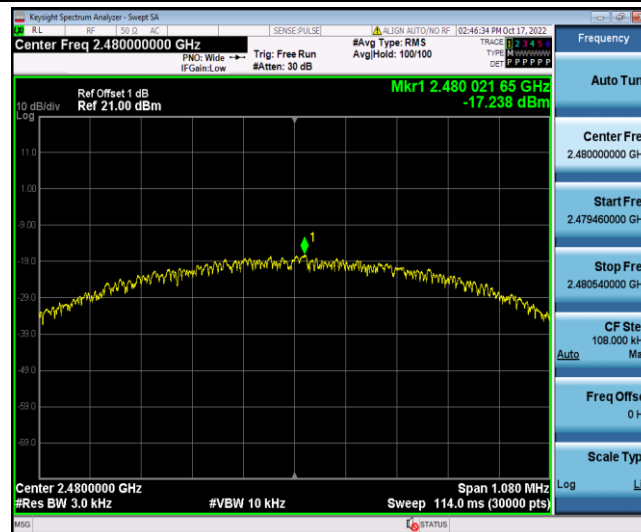
Test Graphs



BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



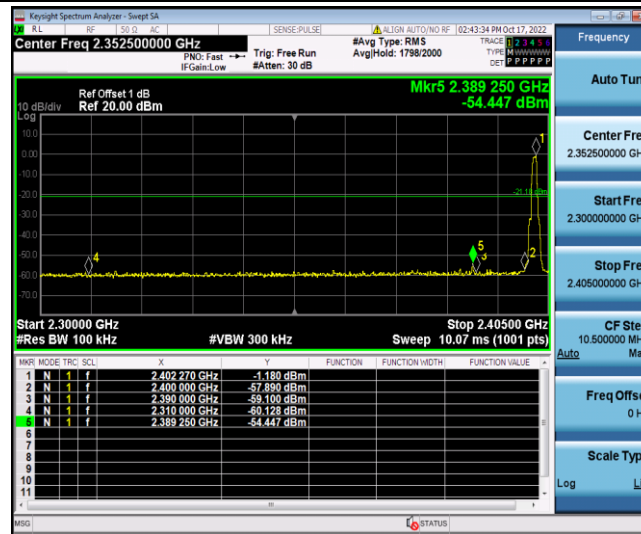
BLE_BT4.0_Ant1_2480

Appendix D: Band edge measurements

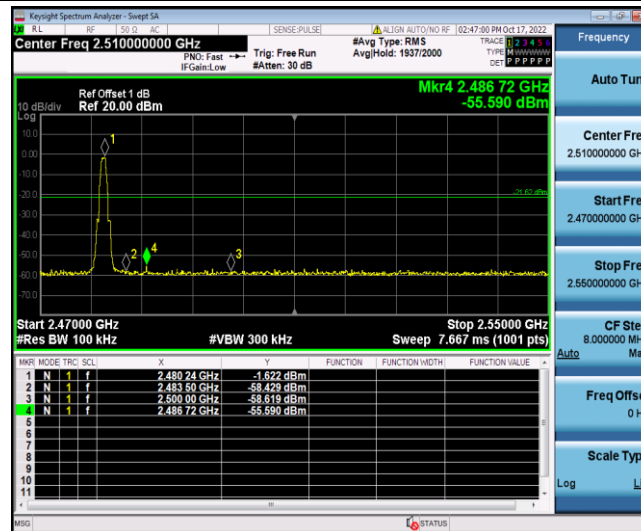
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	-1.18	-54.45	≤-21.18	PASS
		High	2480	-1.62	-55.59	≤-21.62	PASS

Test Graphs



BLE_BT4.0_Ant1_Low_2402



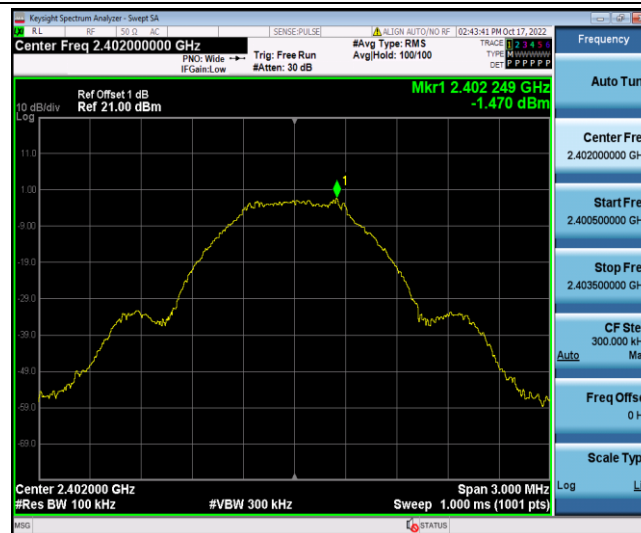
BLE_BT4.0_Ant1_High_2480

Appendix E: Conducted Spurious Emission

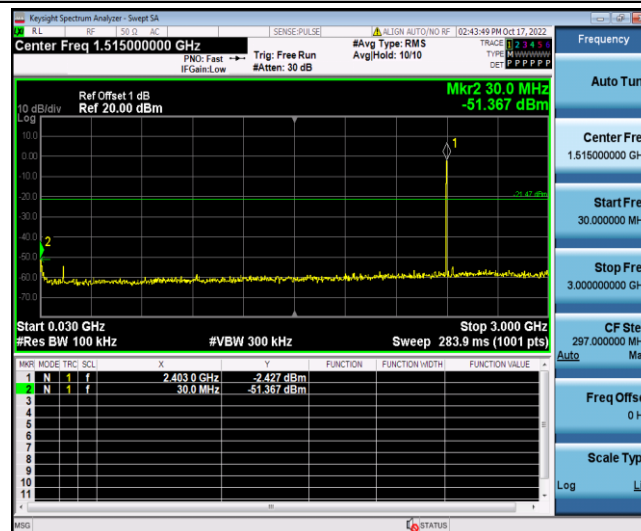
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	Reference	-1.47	-1.47	---	PASS
			30~3000	-1.47	-51.37	≤-21.47	PASS
			3000~26500	-1.47	-44.96	≤-21.47	PASS
		2440	Reference	-2.23	-2.23	---	PASS
			30~3000	-2.23	-50.72	≤-22.23	PASS
			3000~26500	-2.23	-44.38	≤-22.23	PASS
		2480	Reference	-1.92	-1.92	---	PASS
			30~3000	-1.92	-51.2	≤-21.92	PASS
			3000~26500	-1.92	-44.4	≤-21.92	PASS

Test Graphs



BLE_BT4.0_Ant1_2402_0~Reference



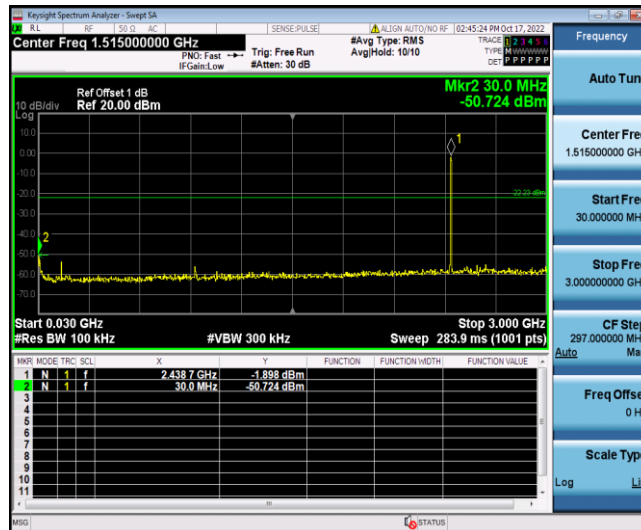
BLE_BT4.0_Ant1_2402_30~3000



BLE_BT4.0_Ant1_2402_3000~26500



BLE_BT4.0_Ant1_2440_0~Reference



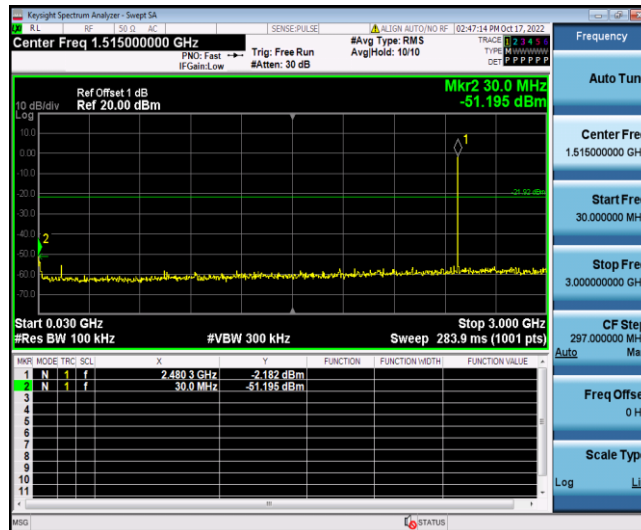
BLE_BT4.0_Ant1_2440_30~3000



BLE_BT4.0_Ant1_2440_3000~26500



BLE_BT4.0_Ant1_2480_0~Reference



BLE_BT4.0_Ant1_2480_30~3000



BLE_BT4.0_Ant1_2480_3000~26500

***** End *****