

Appendix for FCC BLE

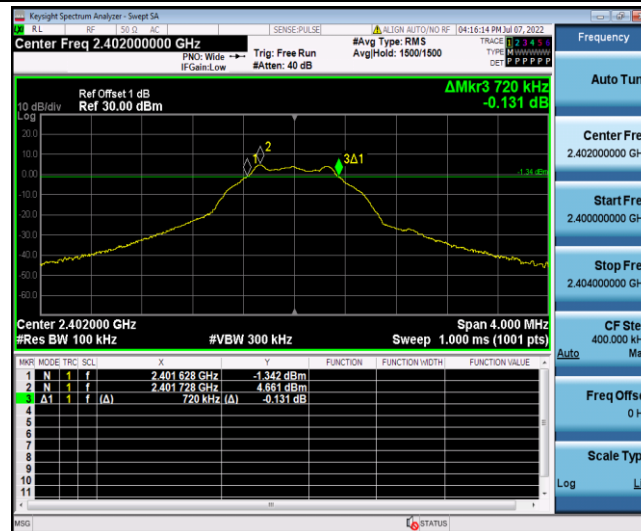
Test Report No. :CTL2206229012-WF02

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	0.720	2401.628	2402.348	0.5	PASS
		2440	0.720	2439.628	2440.348	0.5	PASS
		2480	0.728	2479.628	2480.356	0.5	PASS

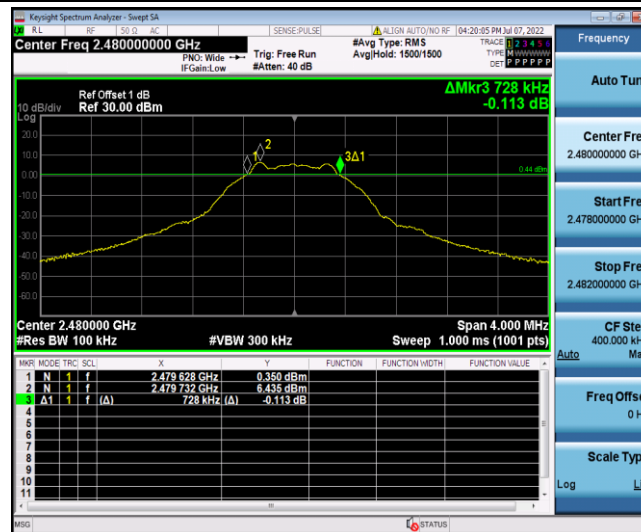
Test Graphs



BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



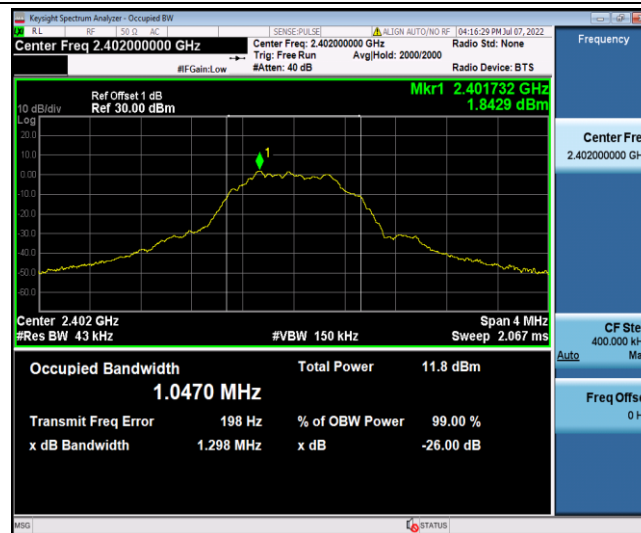
BLE_BT4.0_Ant1_2480

Appendix B: Occupied Channel Bandwidth

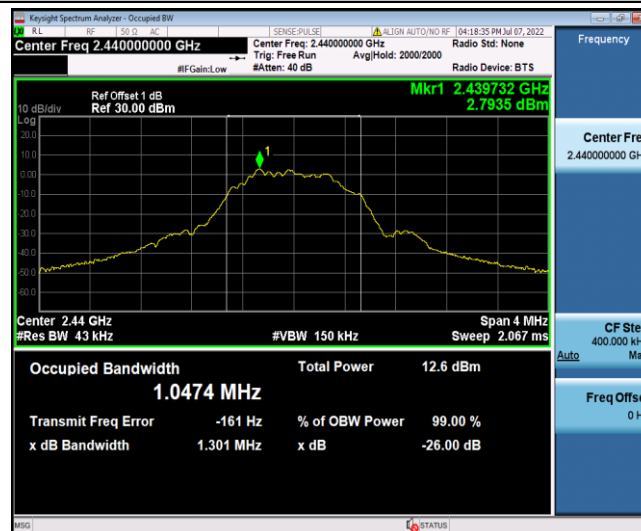
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	1.0470	2401.477	2402.524	---	PASS
		2440	1.0474	2439.476	2440.524	---	PASS
		2480	1.0530	2479.470	2480.523	---	PASS

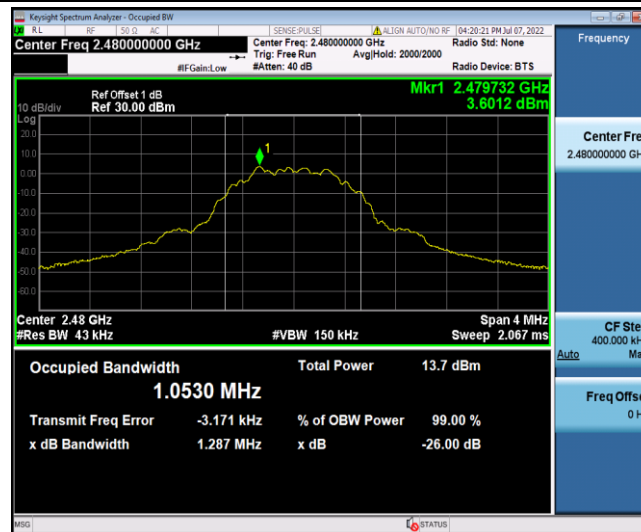
Test Graphs



BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



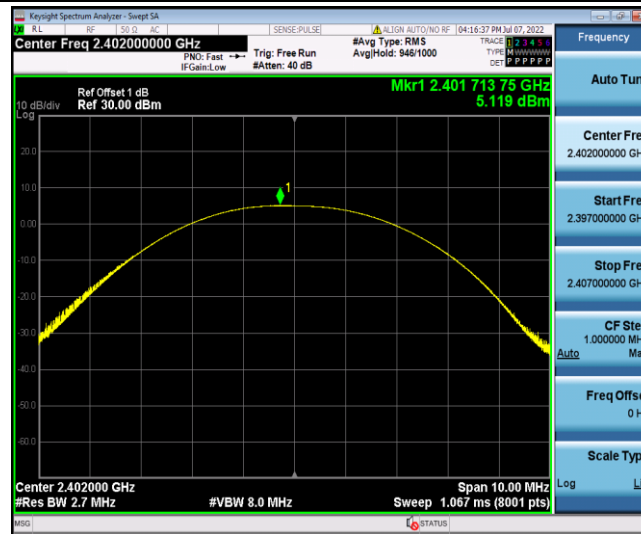
BLE_BT4.0_Ant1_2480

Appendix C: Maximum conducted output power

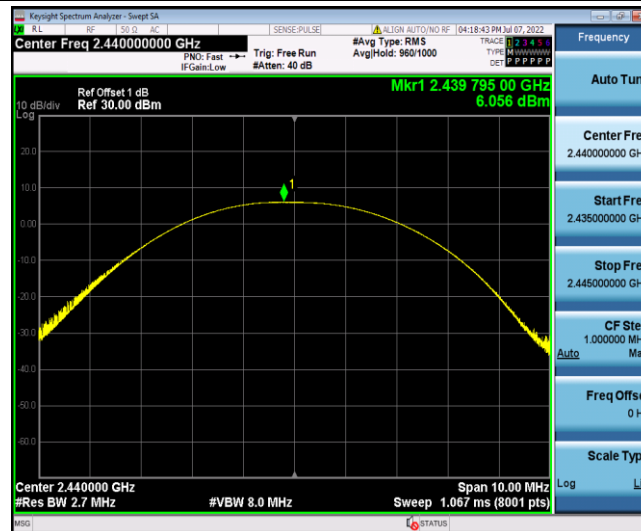
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	5.12	≤30	PASS
		2440	6.06	≤30	PASS
		2480	6.85	≤30	PASS

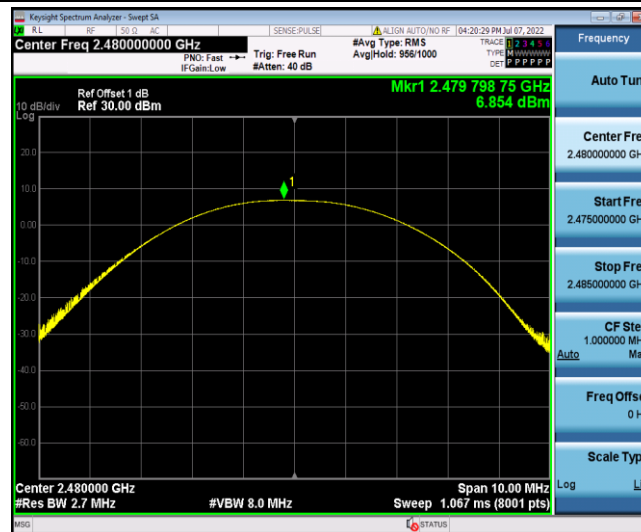
Test Graphs



BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



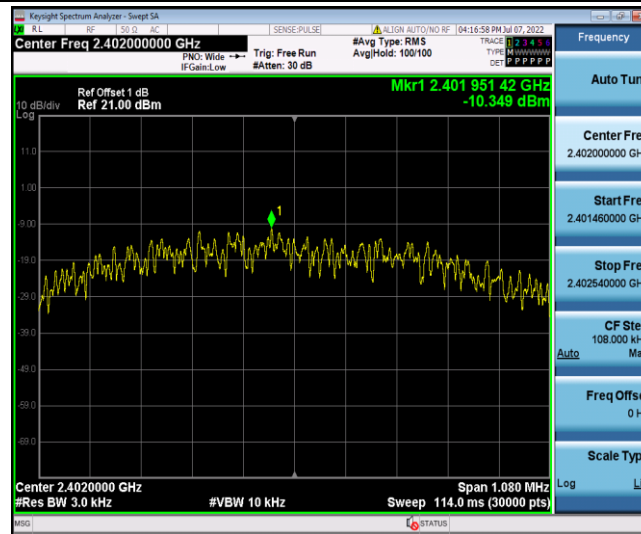
BLE_BT4.0_Ant1_2480

Appendix D: Maximum power spectral density

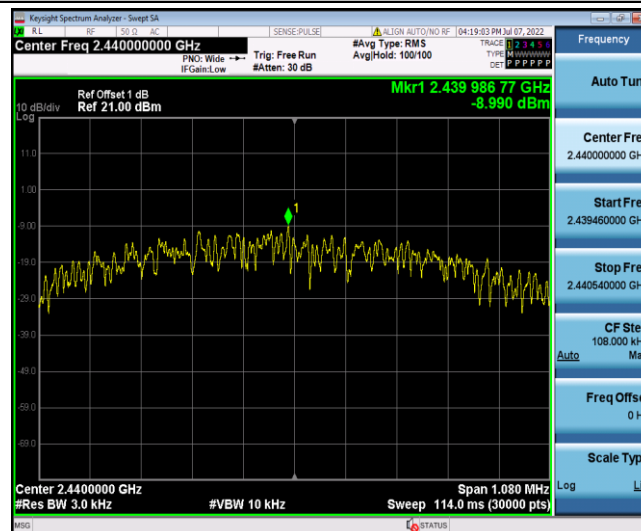
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_BT4.0	Ant1	2402	-10.35	≤8	PASS
		2440	-8.99	≤8	PASS
		2480	-9.28	≤8	PASS

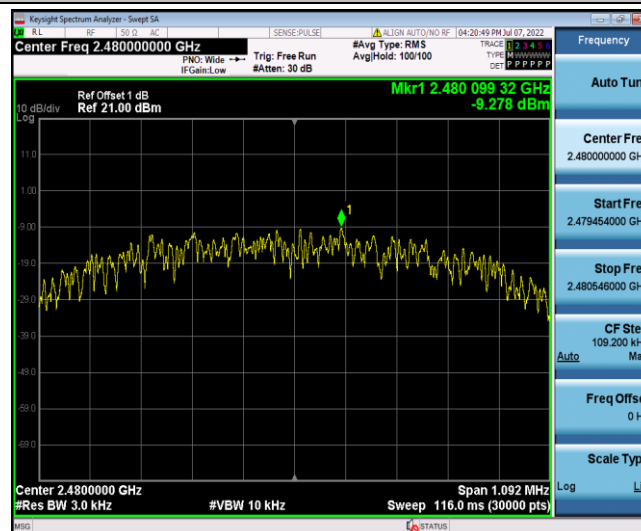
Test Graphs



BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



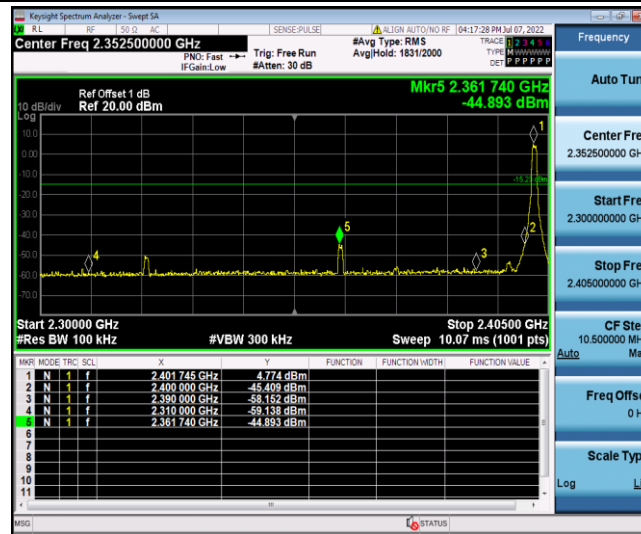
BLE_BT4.0_Ant1_2480

Appendix E: Band edge measurements

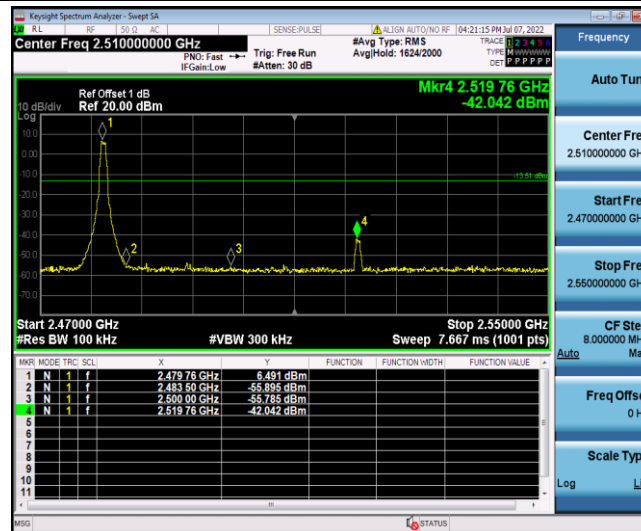
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	4.77	-44.89	≤-15.23	PASS
		High	2480	6.49	-42.29	≤-13.51	PASS

Test Graphs



BLE_BT4.0_Ant1_Low_2402



BLE_BT4.0_Ant1_High_2480

Appendix F: Conducted Spurious Emission

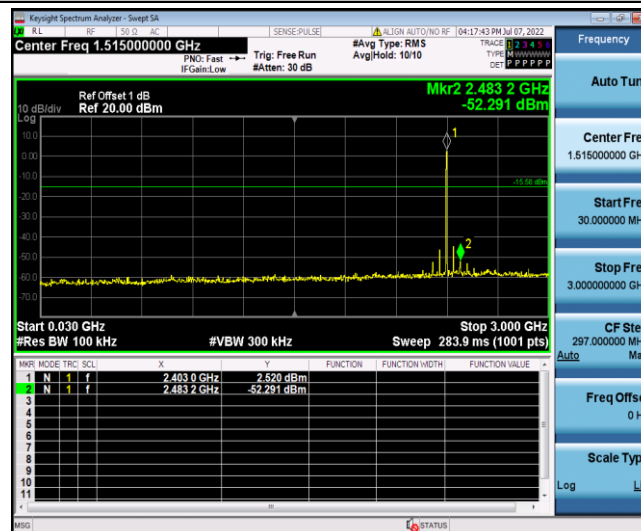
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	Reference	4.42	4.42	---	PASS
			30~3000	4.42	-52.29	≤-15.58	PASS
			3000~26500	4.42	-35.42	≤-15.58	PASS
		2440	Reference	3.39	3.39	---	PASS
			30~3000	3.39	-53.46	≤-16.61	PASS
			3000~26500	3.39	-40.3	≤-16.61	PASS
		2480	Reference	3.56	3.56	---	PASS
			30~3000	3.56	-55.72	≤-16.44	PASS
			3000~26500	3.56	-40.52	≤-16.44	PASS

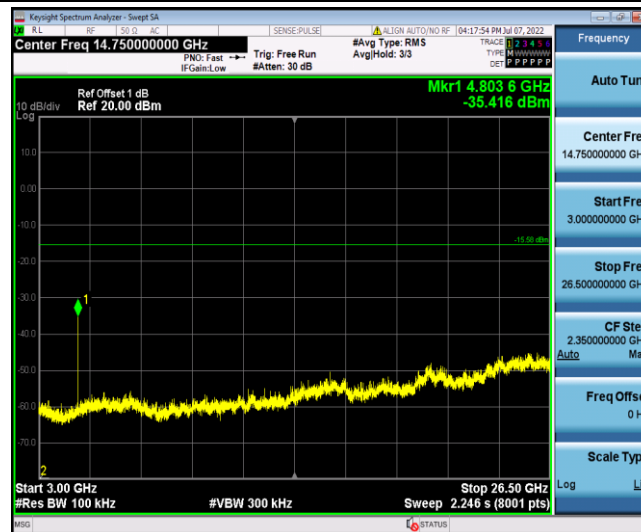
Test Graphs



BLE_BT4.0_Ant1_2402_0~Reference



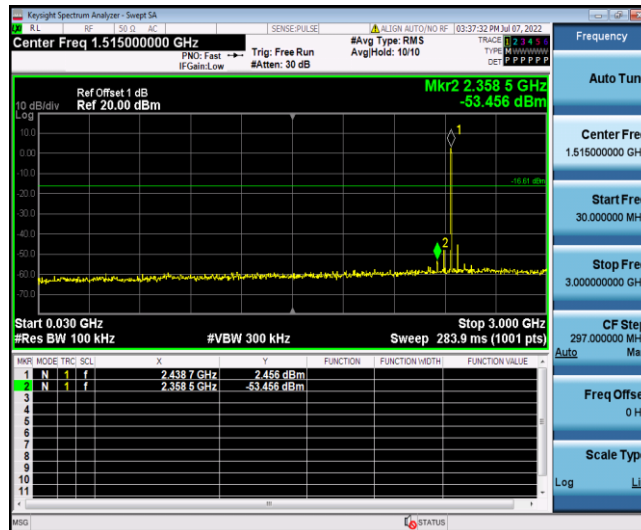
BLE_BT4.0_Ant1_2402_30~3000



BLE_BT4.0_Ant1_2402_3000~26500



BLE_BT4.0_Ant1_2440_0~Reference



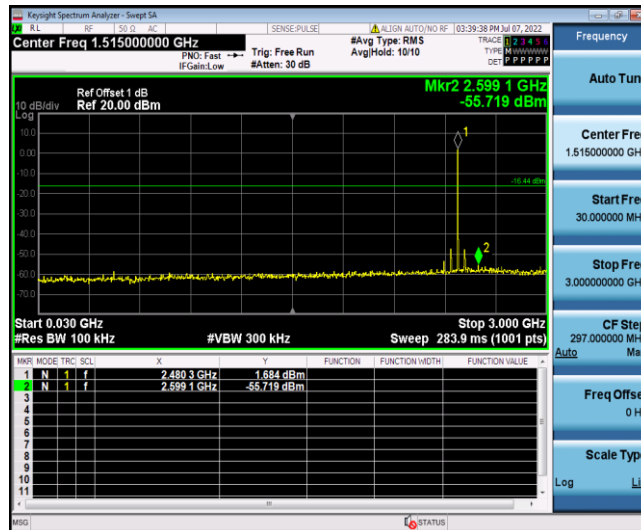
BLE_BT4.0_Ant1_2440_30~3000



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 *****