

Appendix for FCC BLE

Test Report No. :CTL2207255011-WF02

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1Mbps	Ant1	2402	0.672	2401.660	2402.332	0.5	PASS
		2440	0.668	2439.660	2440.328	0.5	PASS
		2480	0.688	2479.640	2480.328	0.5	PASS

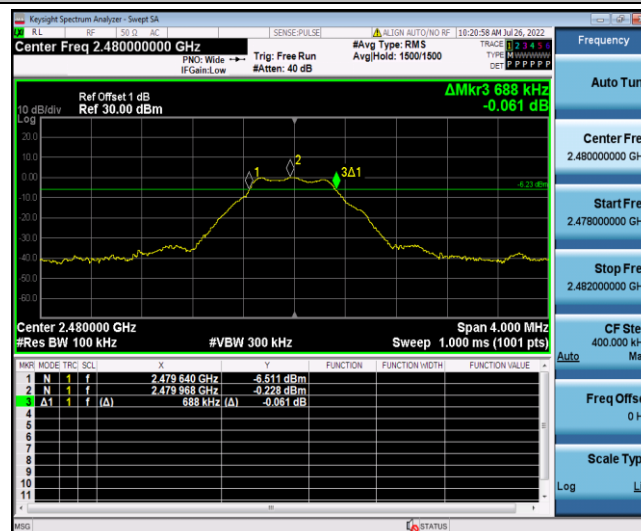
Test Graphs



BLE_1Mbps_Ant1_2402



BLE_1Mbps_Ant1_2440



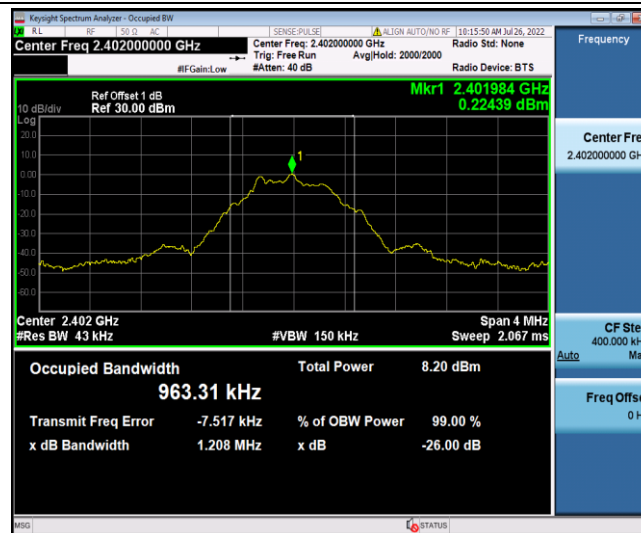
BLE_1Mbps_Ant1_2480

Appendix B: Occupied Channel Bandwidth

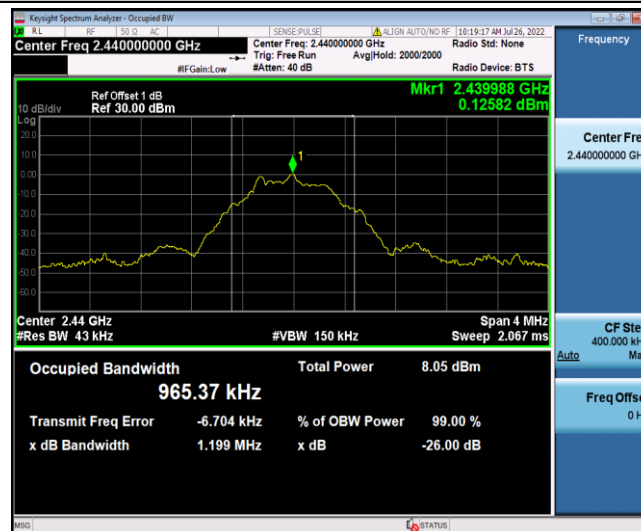
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1Mbps	Ant1	2402	0.96331	2401.511	2402.474	---	PASS
		2440	0.96537	2439.511	2440.476	---	PASS
		2480	0.94845	2479.515	2480.463	---	PASS

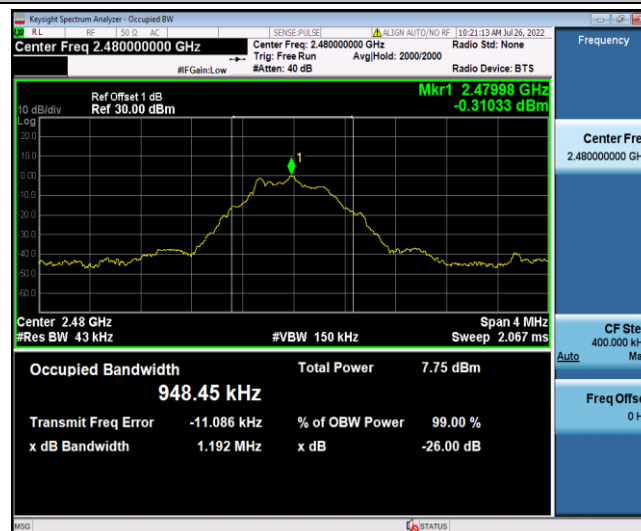
Test Graphs



BLE_1Mbps_Ant1_2402



BLE_1Mbps_Ant1_2440



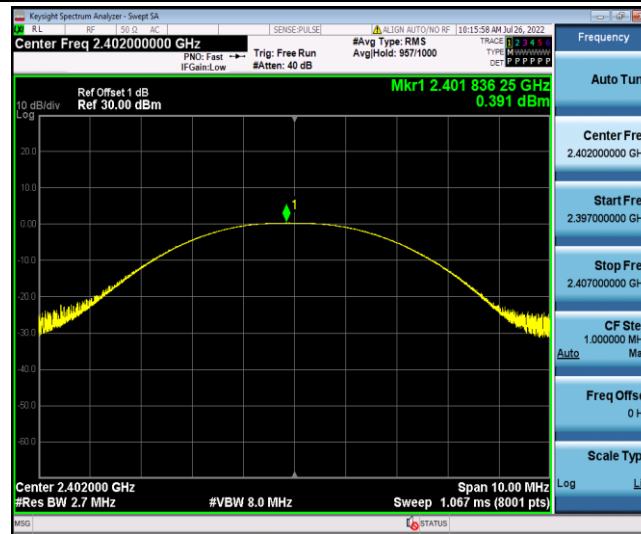
BLE_1Mbps_Ant1_2480

Appendix C: Maximum conducted output power

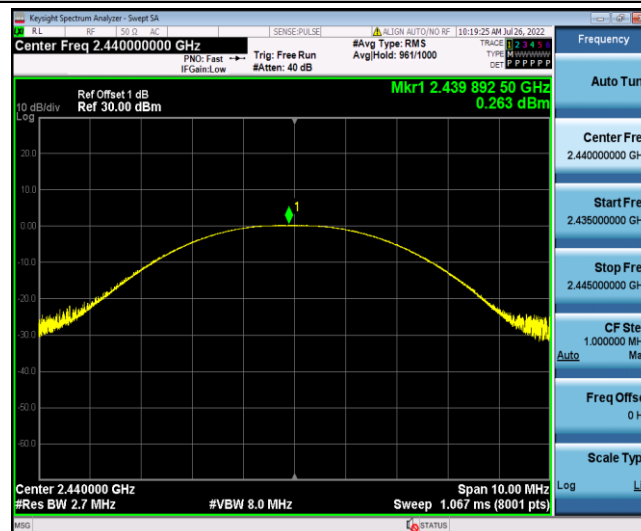
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1Mbps	Ant1	2402	0.39	≤30	PASS
		2440	0.26	≤30	PASS
		2480	-0.06	≤30	PASS

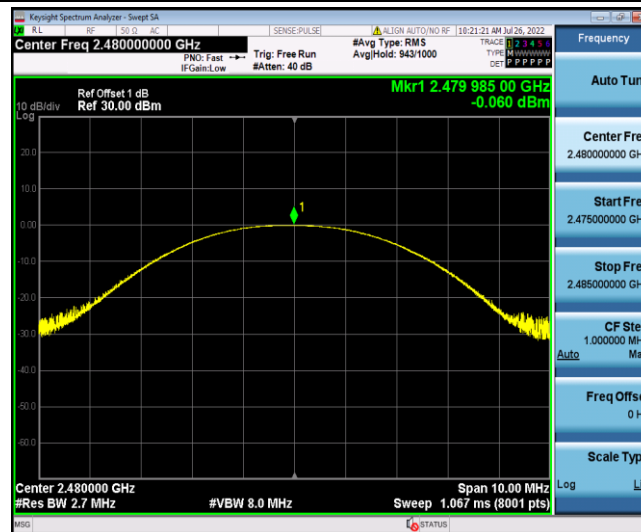
Test Graphs



BLE_1Mbps_Ant1_2402



BLE_1Mbps_Ant1_2440



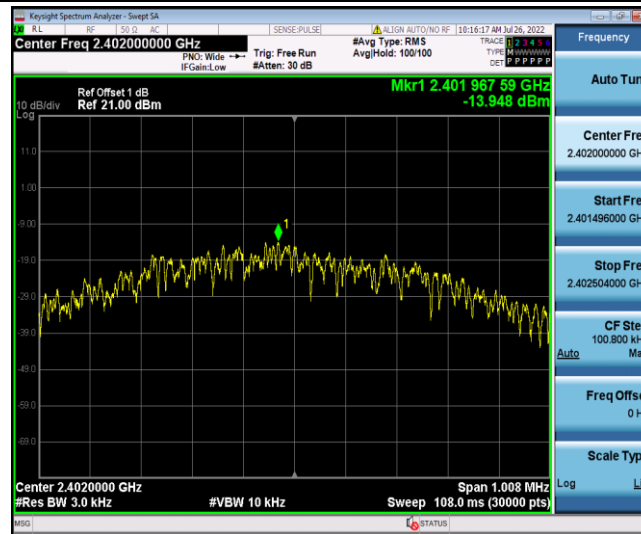
BLE_1Mbps_Ant1_2480

Appendix D: Maximum power spectral density

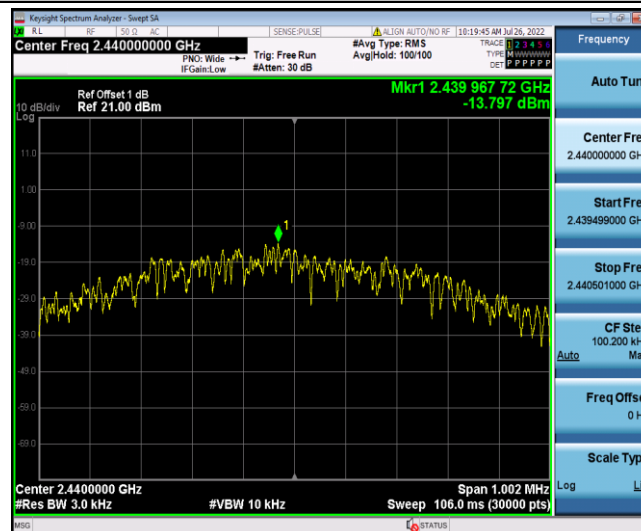
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1Mbps	Ant1	2402	-13.95	≤8	PASS
		2440	-13.80	≤8	PASS
		2480	-14.30	≤8	PASS

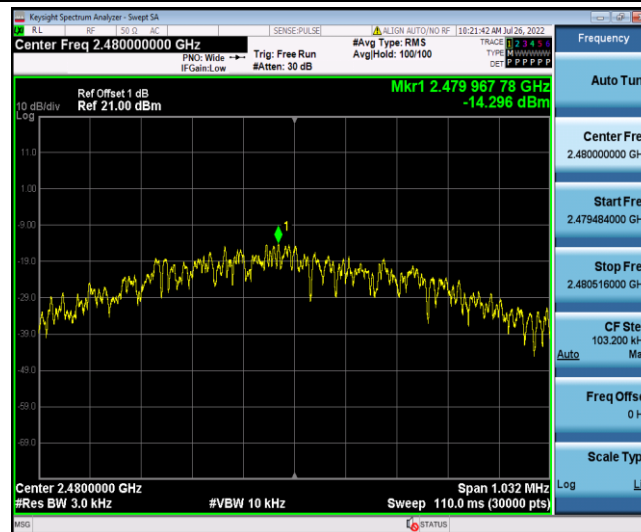
Test Graphs



BLE_1Mbps_Ant1_2402



BLE_1Mbps_Ant1_2440



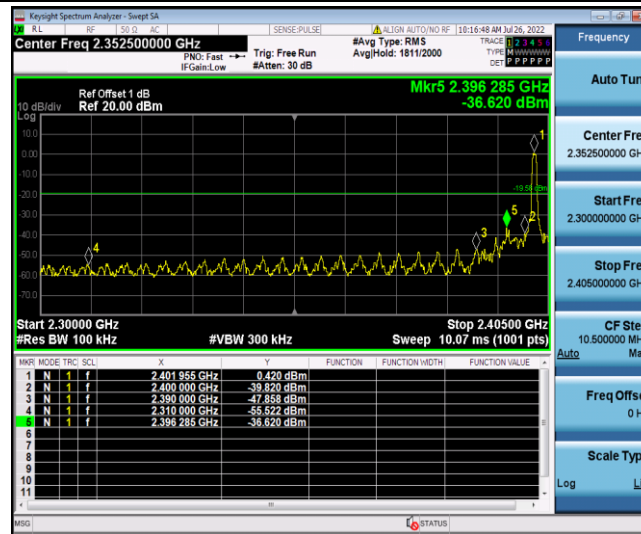
BLE_1Mbps_Ant1_2480

Appendix E: Band edge measurements

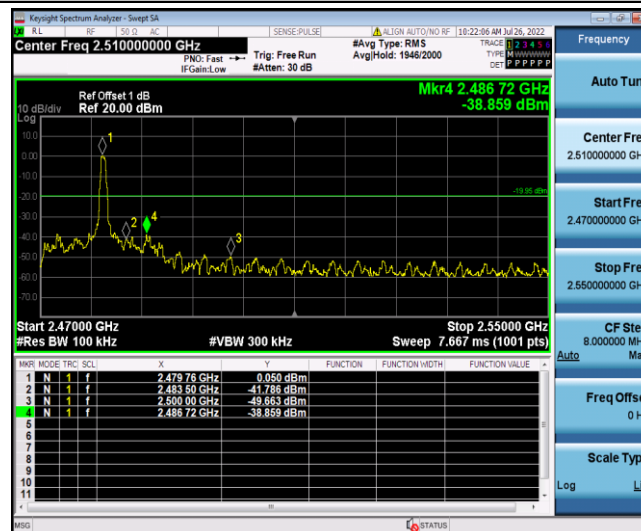
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1Mbps	Ant1	Low	2402	0.42	-36.62	≤-19.58	PASS
		High	2480	0.05	-38.86	≤-19.95	PASS

Test Graphs



BLE_1Mbps_Ant1_Low_2402



BLE_1Mbps_Ant1_High_2480

Appendix F: Conducted Spurious Emission

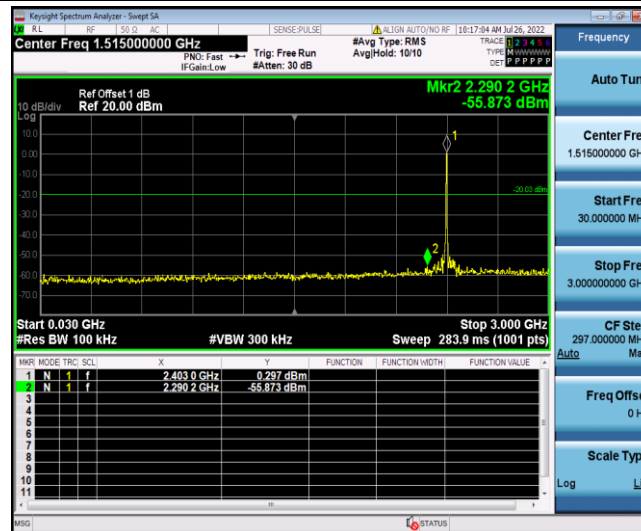
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1Mbps	Ant1	2402	Reference	-0.03	-0.03	---	PASS
			30~3000	-0.03	-55.87	≤-20.03	PASS
			3000~26500	-0.03	-44.61	≤-20.03	PASS
		2440	Reference	0.10	0.10	---	PASS
			30~3000	0.10	-55.58	≤-19.9	PASS
			3000~26500	0.10	-44.84	≤-19.9	PASS
		2480	Reference	-0.25	-0.25	---	PASS
			30~3000	-0.25	-56.07	≤-20.25	PASS
			3000~26500	-0.25	-44.74	≤-20.25	PASS

Test Graphs



BLE_1Mbps_Ant1_2402_0~Reference



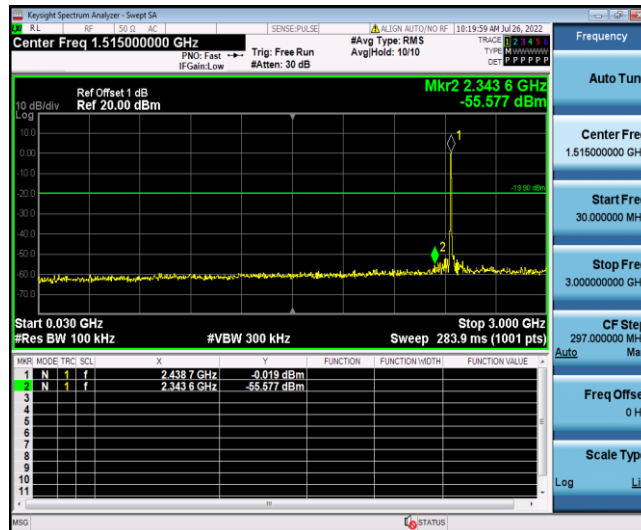
BLE_1Mbps_Ant1_2402_30~3000



BLE_1Mbps_Ant1_2402_3000~26500



BLE_1Mbps_Ant1_2440_0~Reference



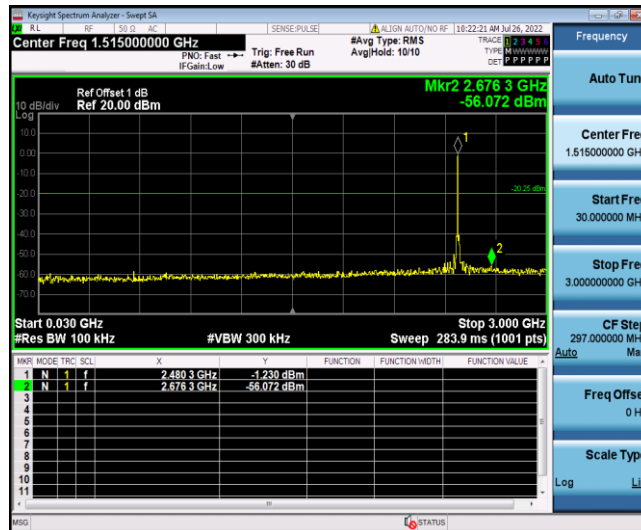
BLE_1Mbps_Ant1_2440_30~3000



BLE_1Mbps_Ant1_2440_3000~26500



BLE_1Mbps_Ant1_2480_0~Reference



BLE_1Mbps_Ant1_2480_30~3000



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