

Appendix: Bluetooth LE

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Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.712	2401.632	2402.344	0.5	PASS
		2440	0.686	2439.650	2440.336	0.5	PASS
		2480	0.692	2479.652	2480.344	0.5	PASS

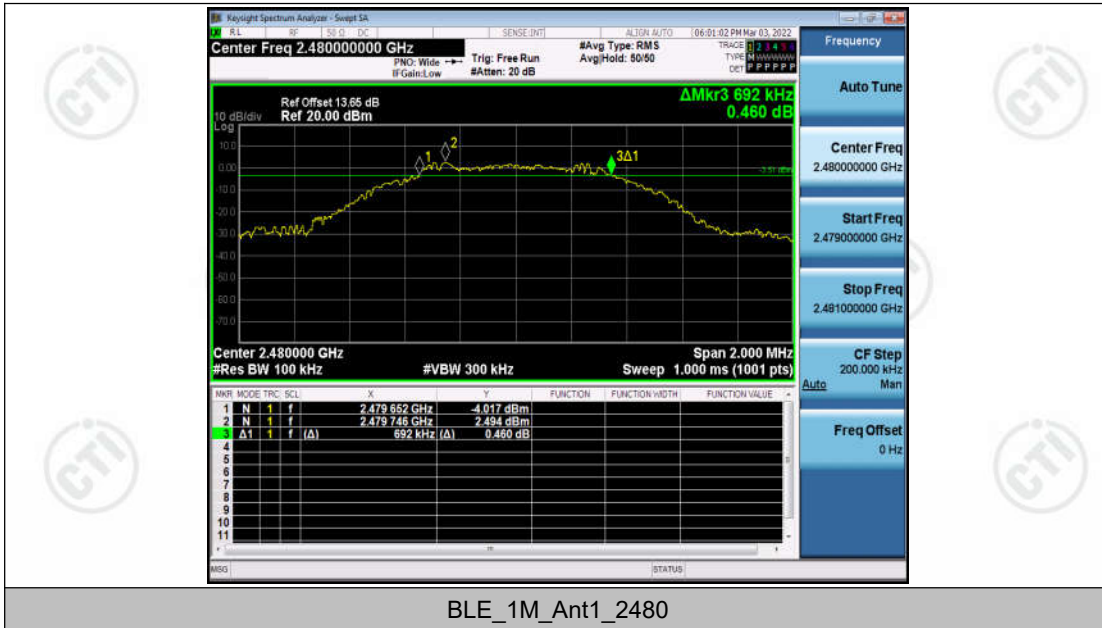
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

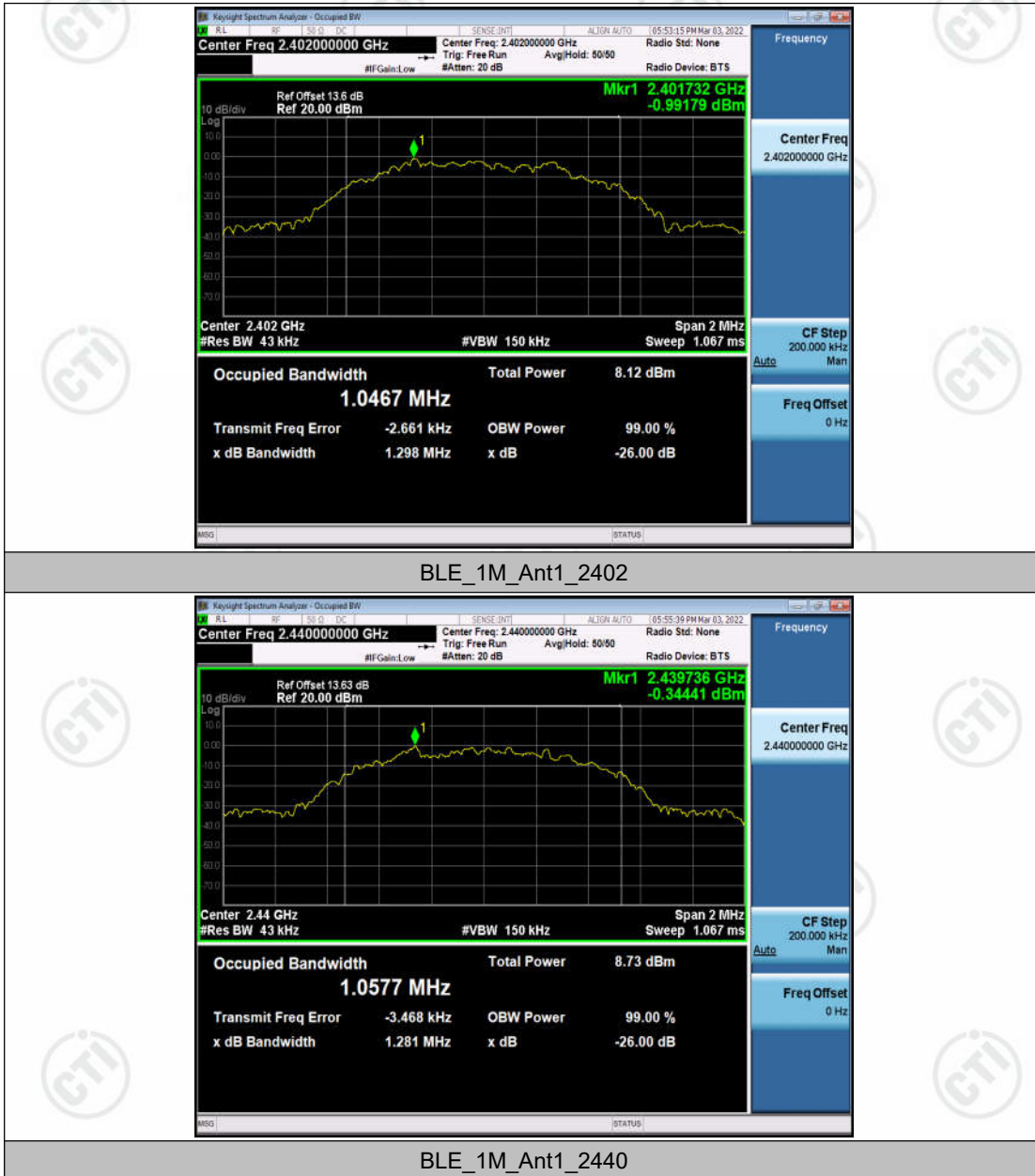


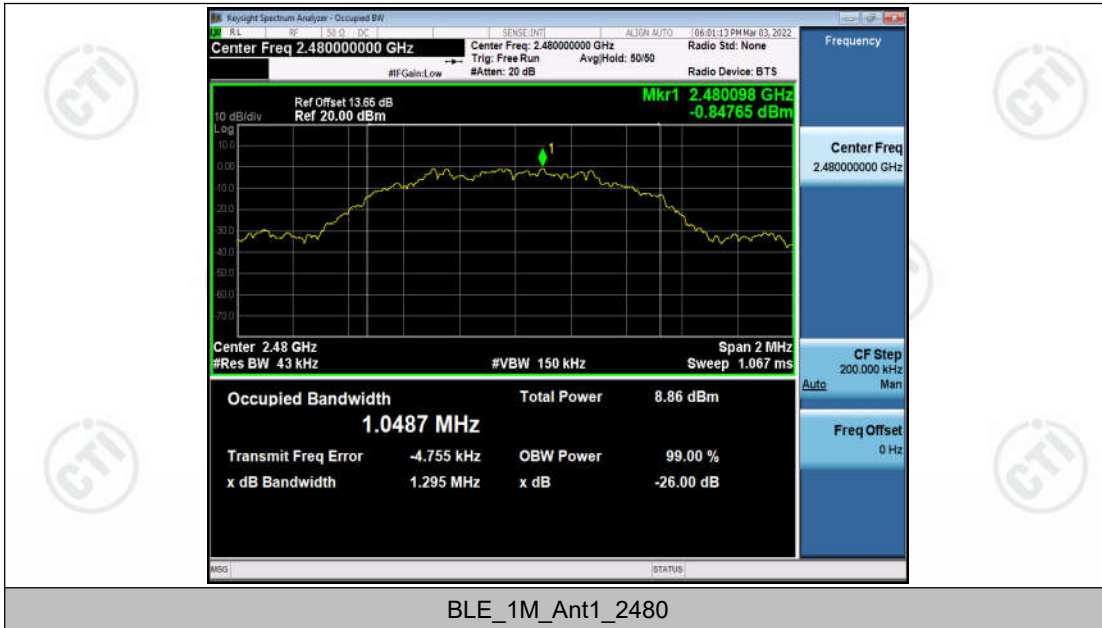
BLE_1M_Ant1_2480

Appendix B: Occupied Channel Bandwidth**Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0467	2401.474	2402.521	---	PASS
		2440	1.0577	2439.468	2440.525	---	PASS
		2480	1.0487	2479.471	2480.520	---	PASS

Test Graphs

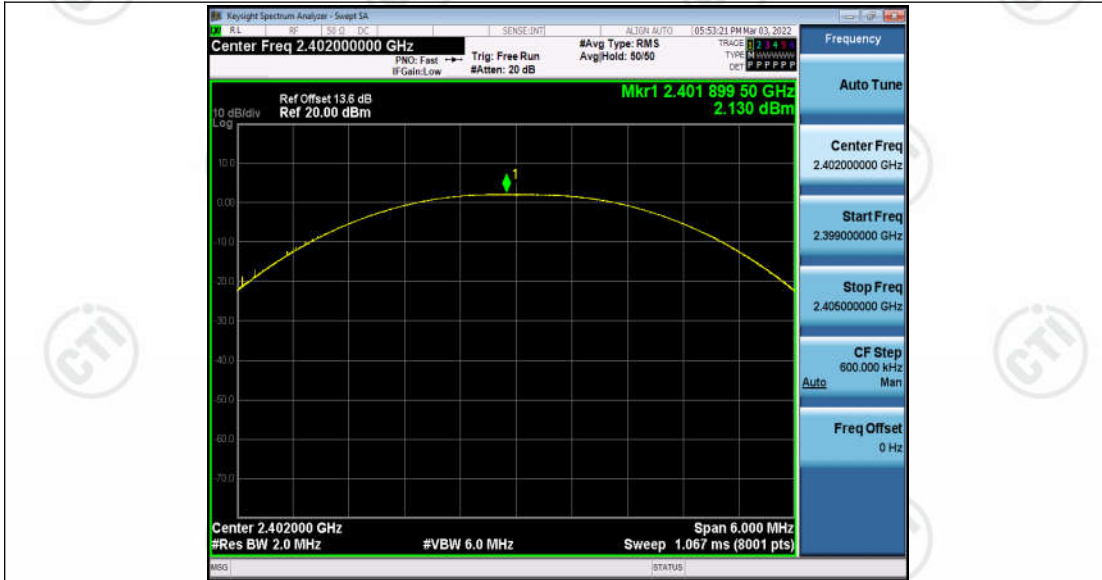




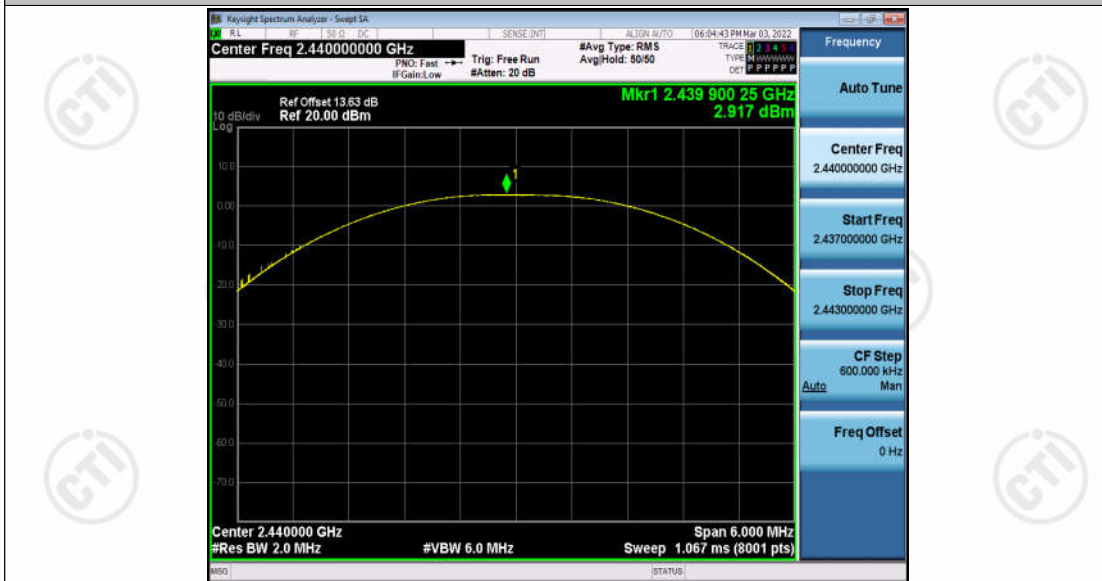
Appendix C: Maximum conducted output power**Test Result**

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.13	<=30	PASS
		2440	2.92	<=30	PASS
		2480	3.14	<=30	PASS

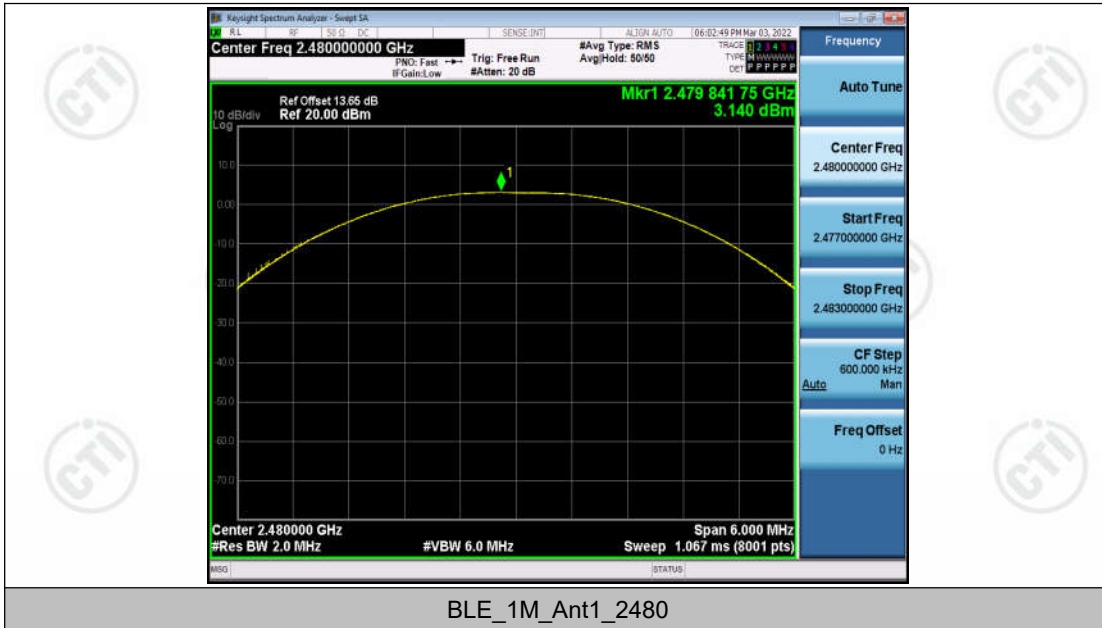
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



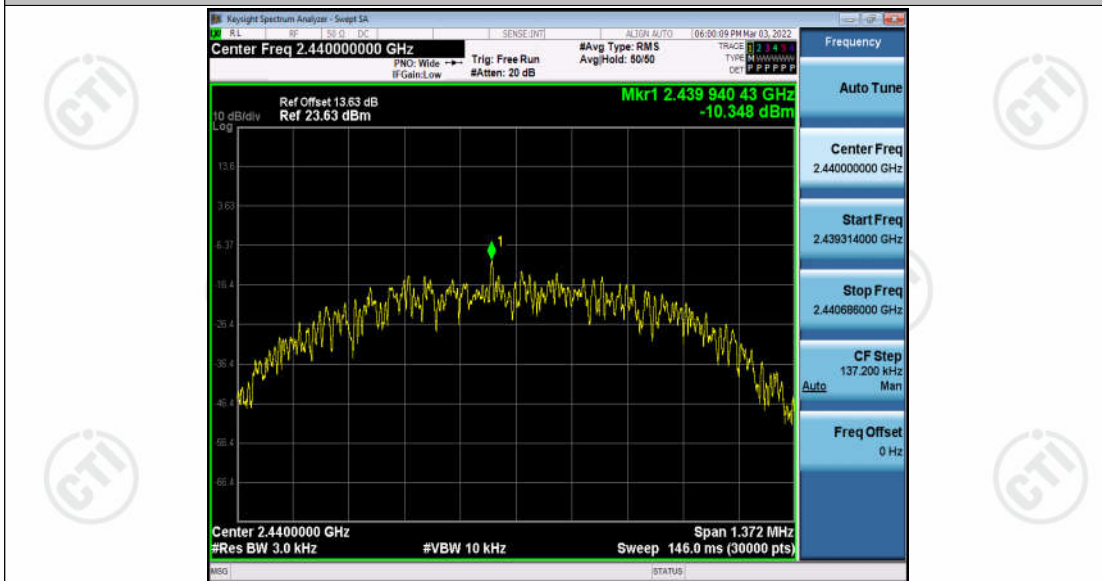
Appendix D: Maximum power spectral density**Test Result**

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.24	<=8	PASS
		2440	-10.35	<=8	PASS
		2480	-11.81	<=8	PASS

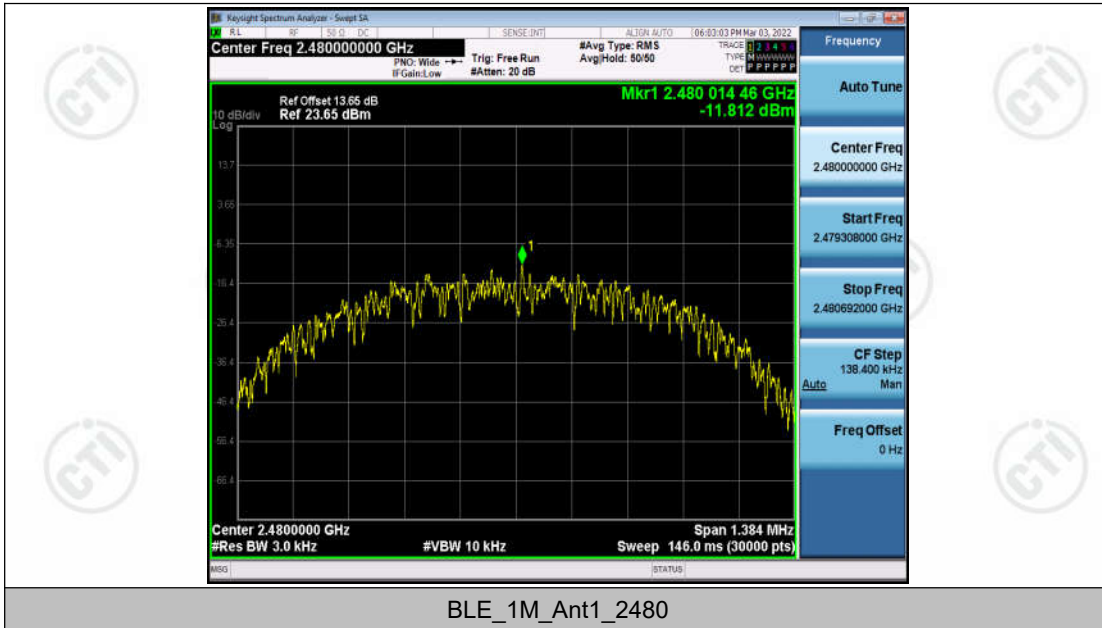
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



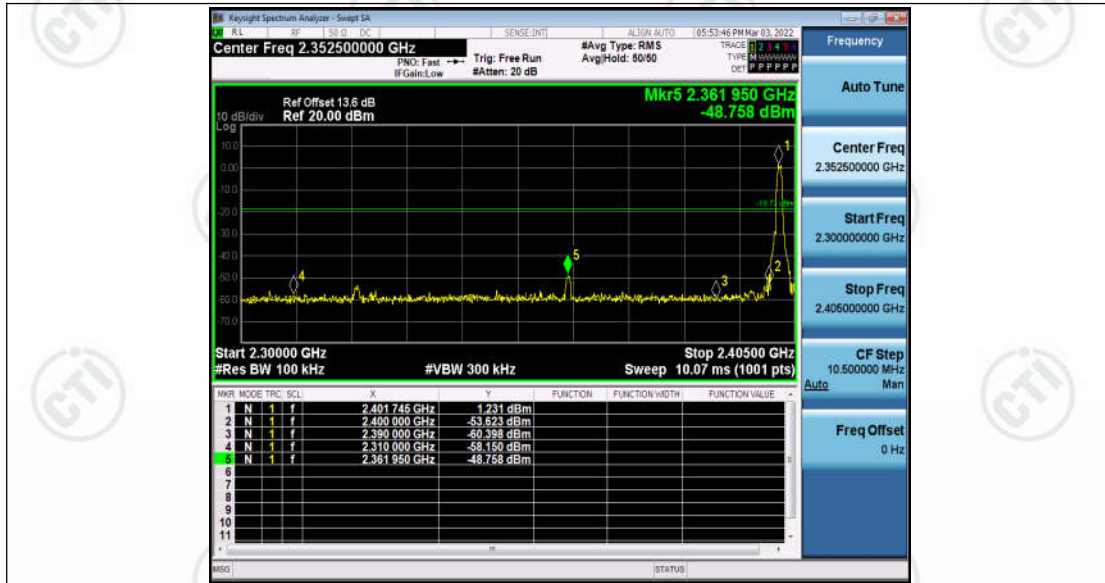
BLE_1M_Ant1_2480

Appendix E: Band edge measurements

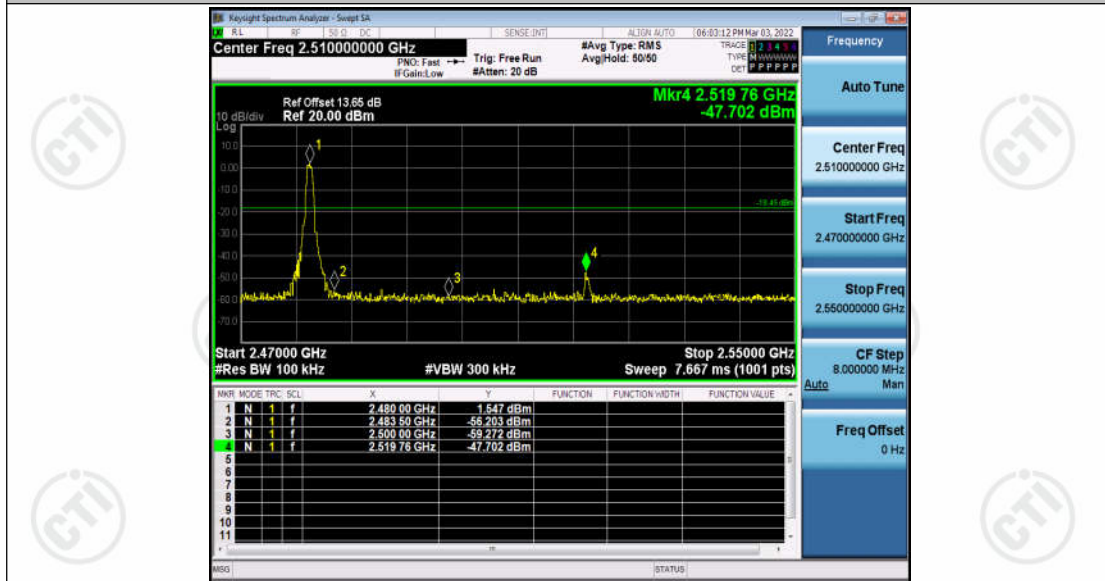
Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.23	-48.76	<=-18.77	PASS
		High	2480	1.55	-47.7	<=-18.45	PASS

Test Graphs



BLE_1M_Ant1_Low_2402



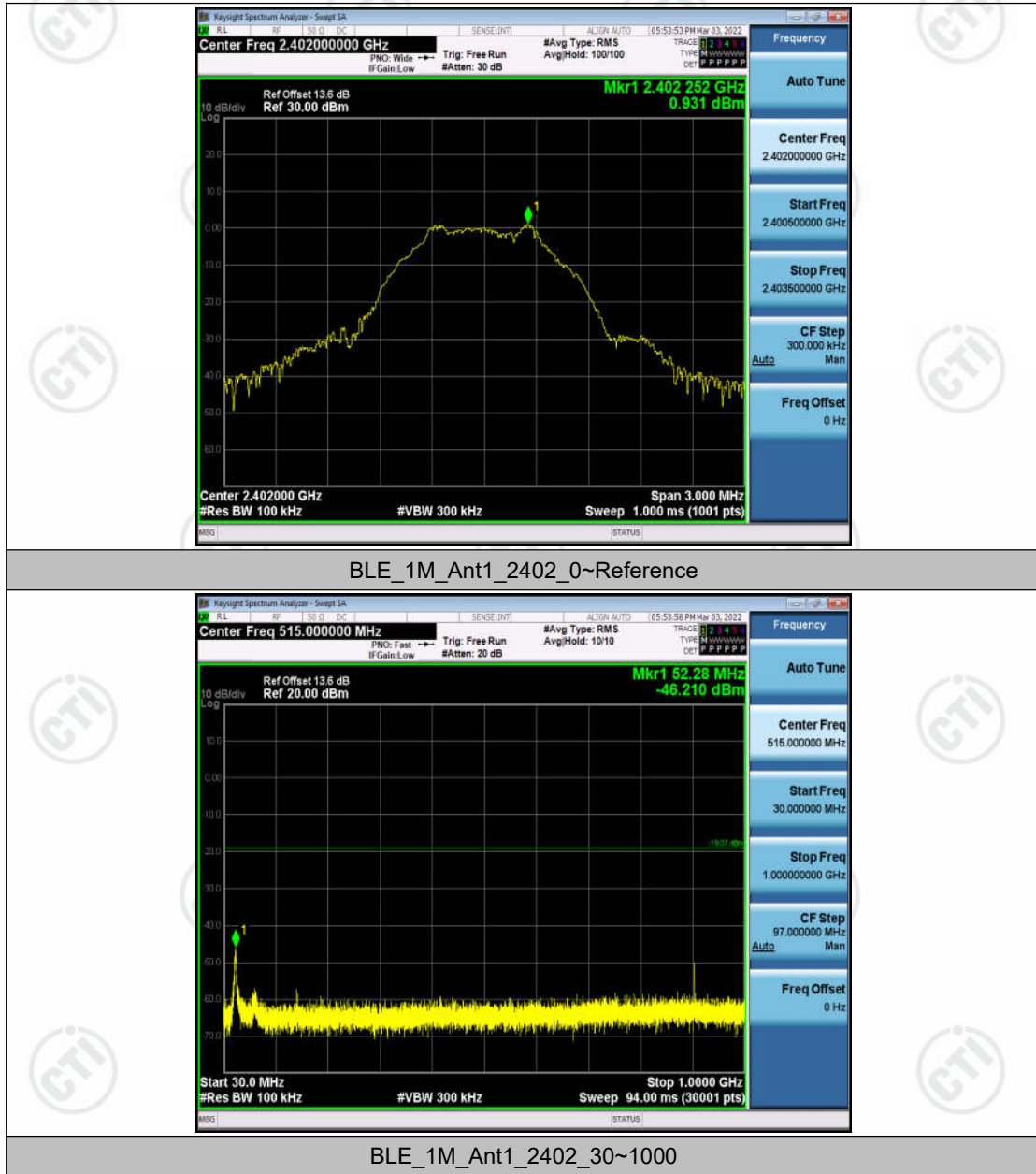
BLE_1M_Ant1_High_2480

Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.93	0.93	---	PASS
			30~1000	30~1000	-46.21	<=-19.069	PASS
			1000~26500	1000~26500	-44.216	<=-19.069	PASS
		2440	Reference	2.54	2.54	---	PASS
			30~1000	30~1000	-46.104	<=-17.457	PASS
			1000~26500	1000~26500	-48.509	<=-17.457	PASS
		2480	Reference	2.49	2.49	---	PASS
			30~1000	30~1000	-48.511	<=-17.512	PASS
			1000~26500	1000~26500	-49.195	<=-17.512	PASS

Test Graphs

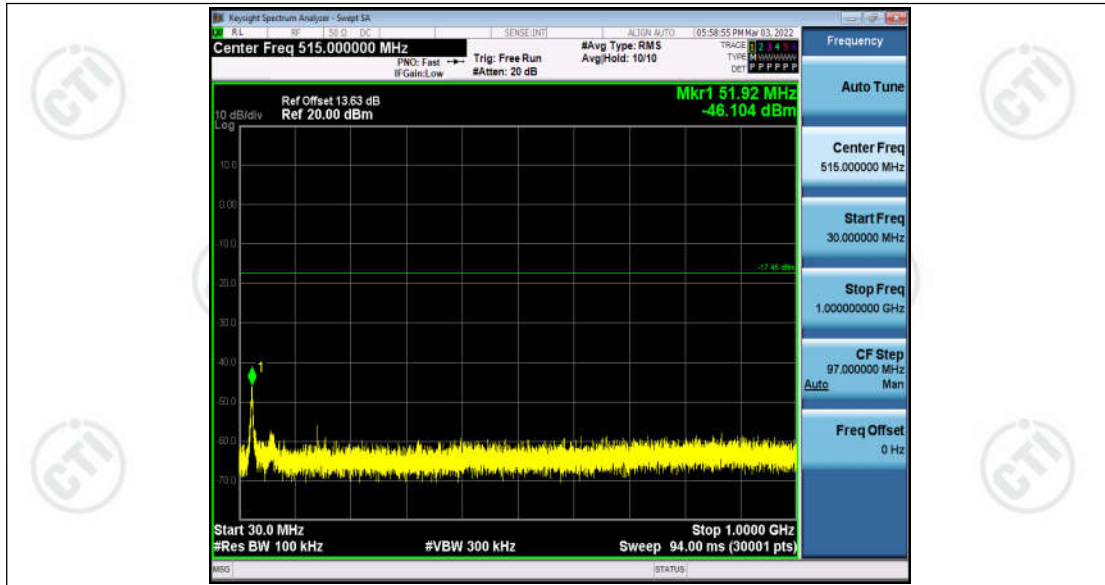




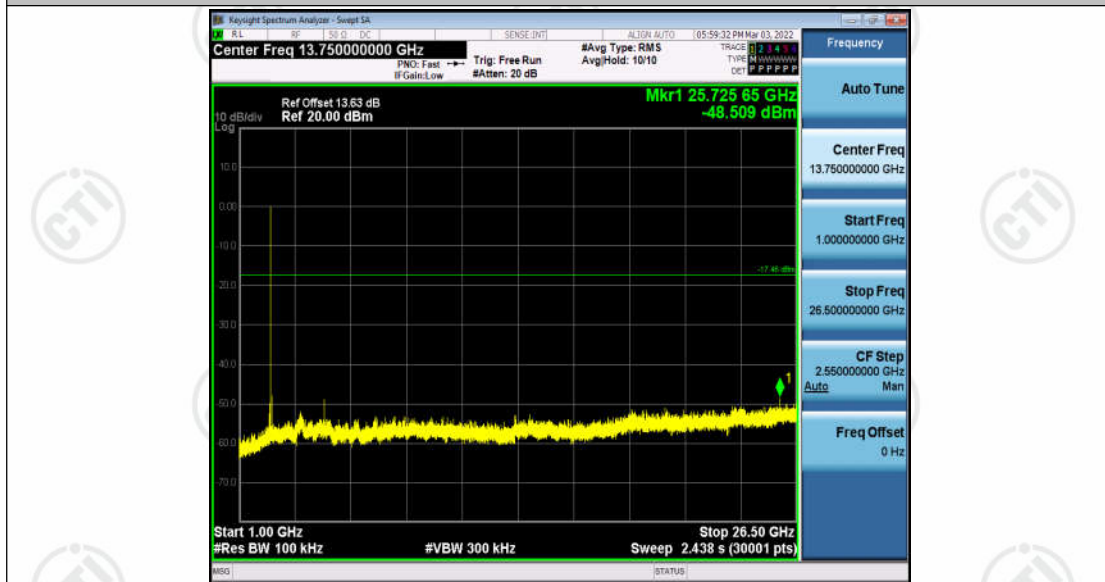
BLE_1M_Ant1_2402_1000~26500



BLE_1M_Ant1_2440_0~Reference



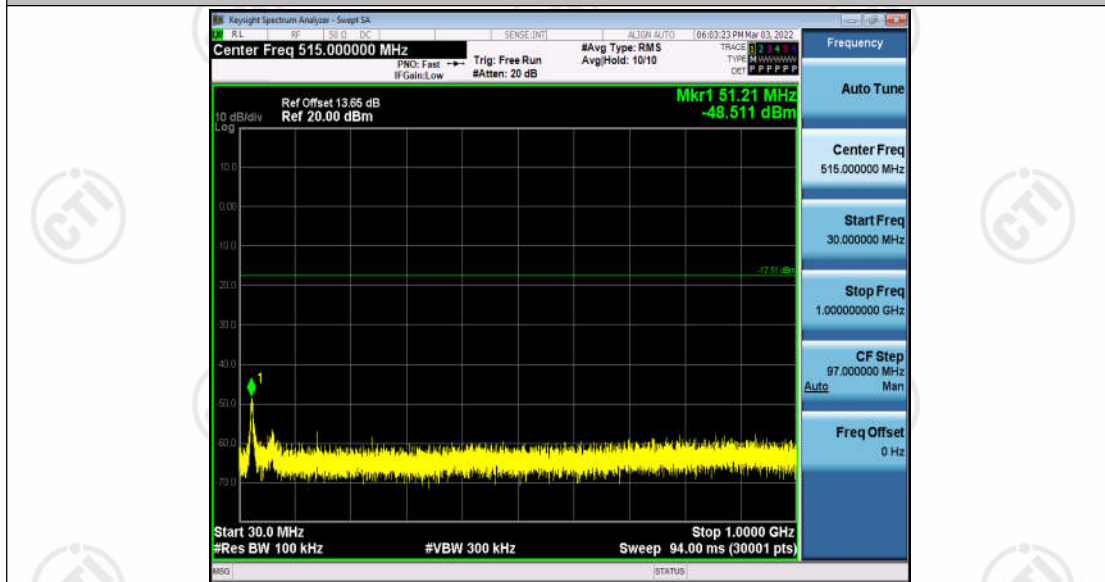
BLE_1M_Ant1_2440_30~1000



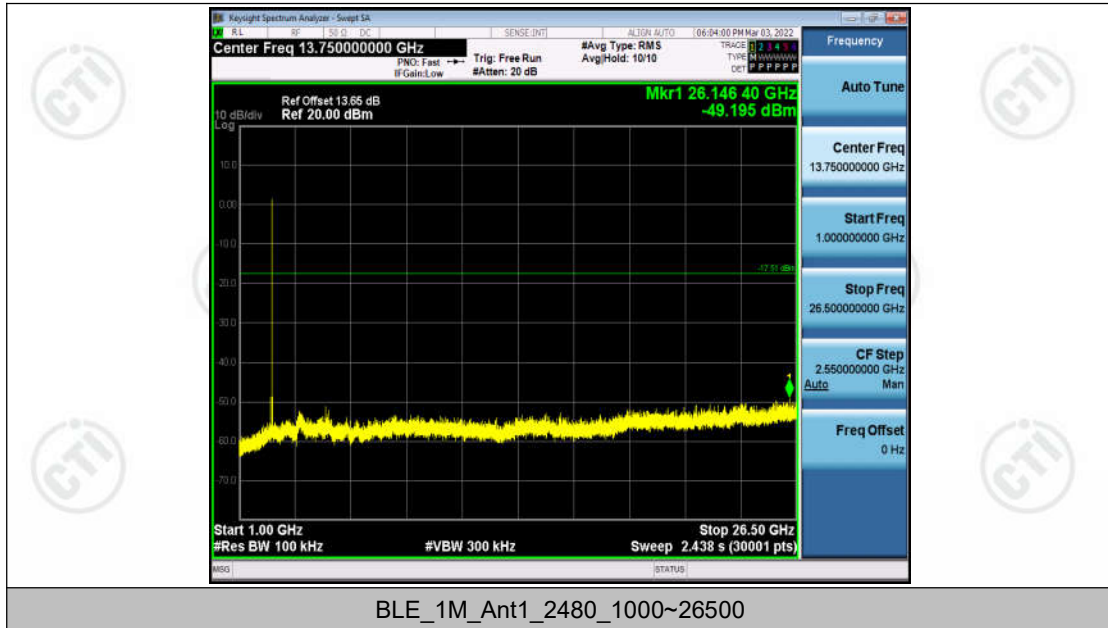
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



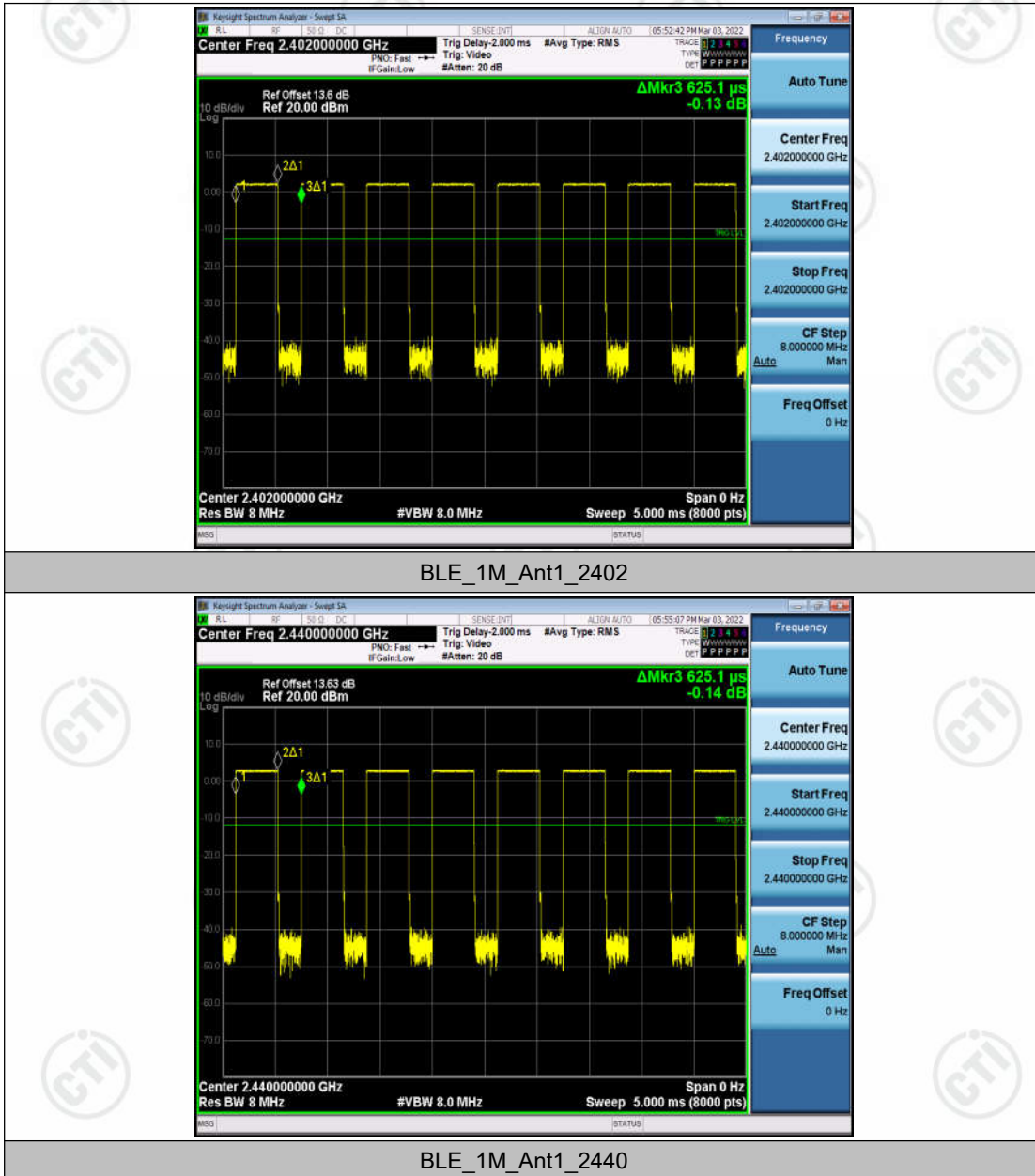
BLE_1M_Ant1_2480_30~1000

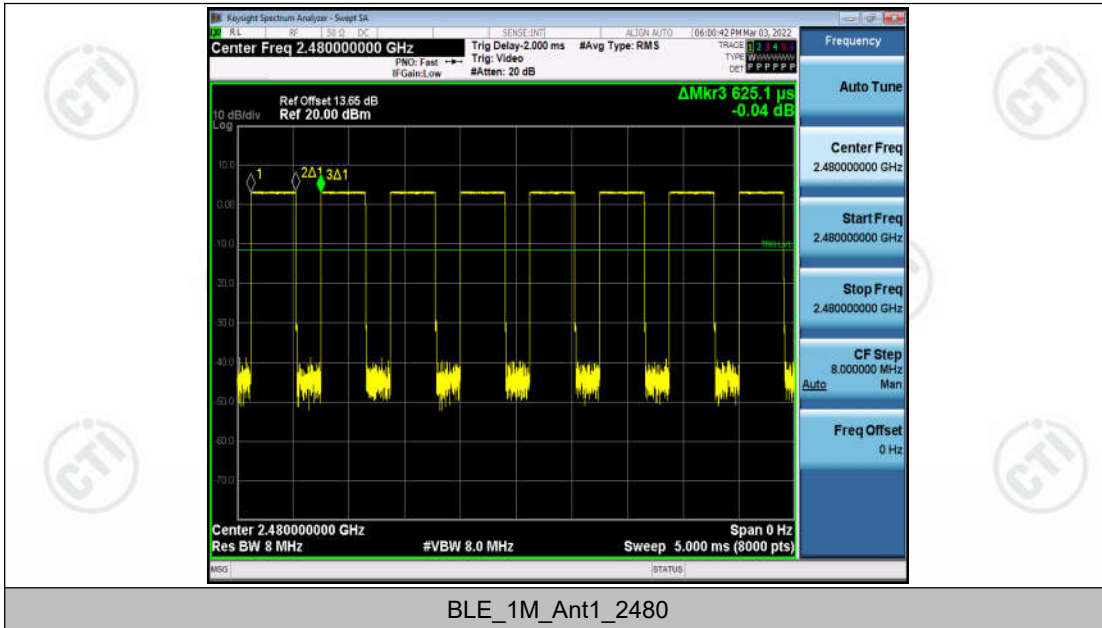


Appendix G: Duty Cycle**Test Result**

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.40	0.63	64.00	---	PASS
		2440	0.40	0.63	64.00	---	PASS
		2480	0.40	0.63	64.00	---	PASS

Test Graphs





BLE_1M_Ant1_2480

*** End of Report ***