

Appendix: Bluetooth LE

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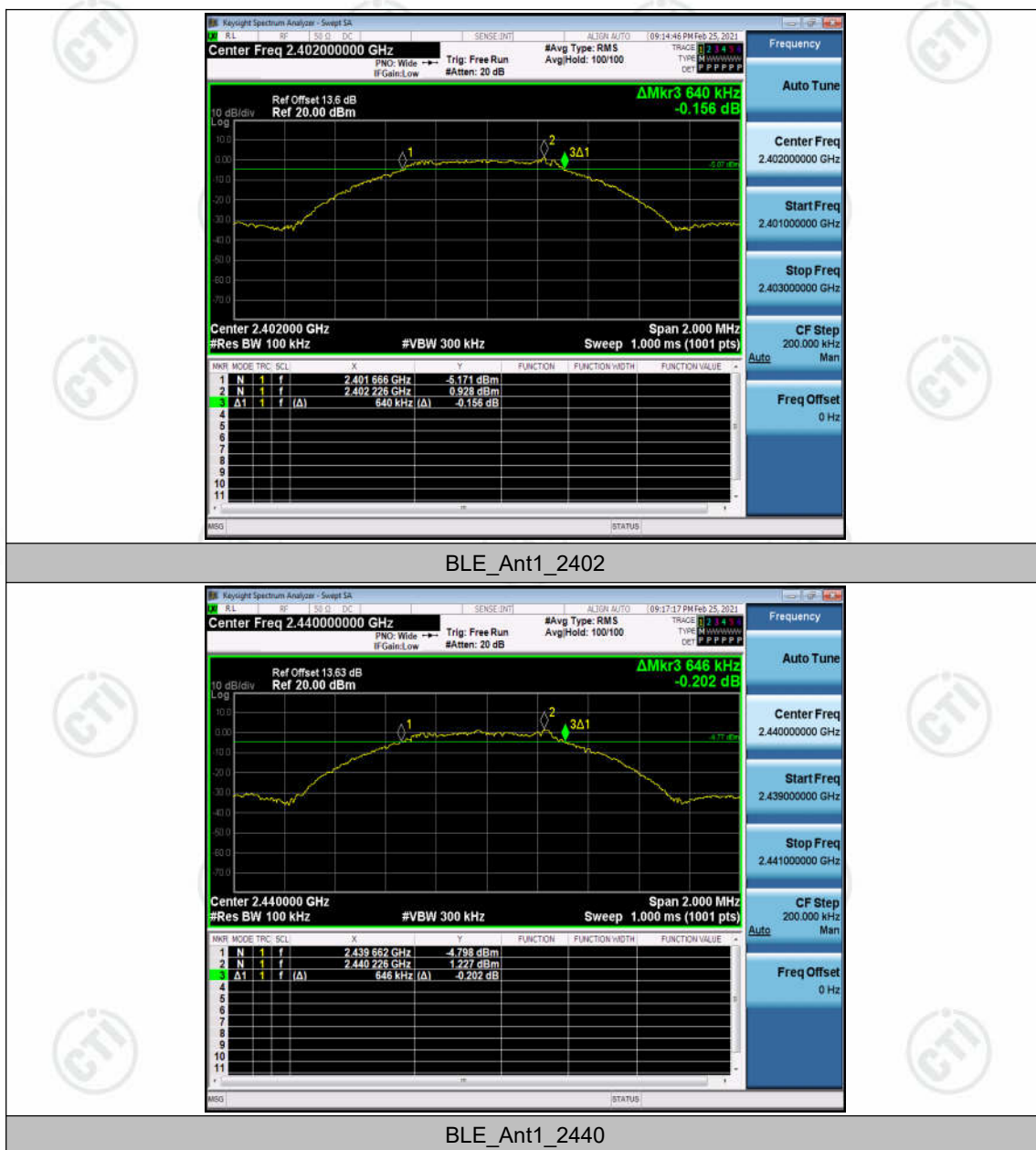
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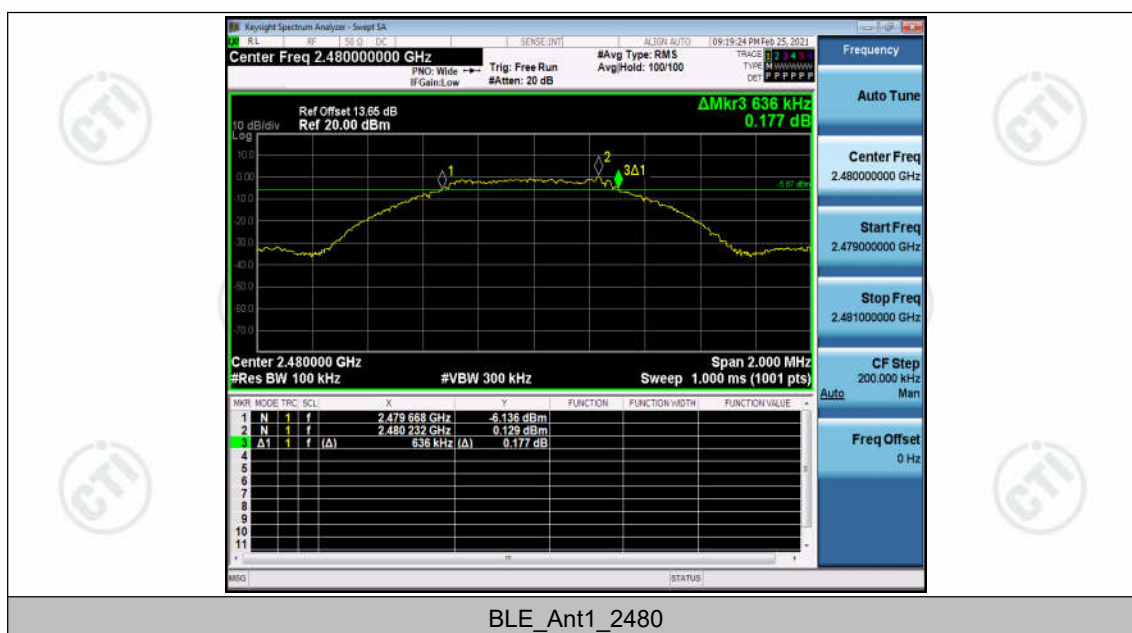
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.640	2401.666	2402.306	0.5	PASS
		2440	0.646	2439.662	2440.308	0.5	PASS
		2480	0.636	2479.668	2480.304	0.5	PASS

Test Graphs



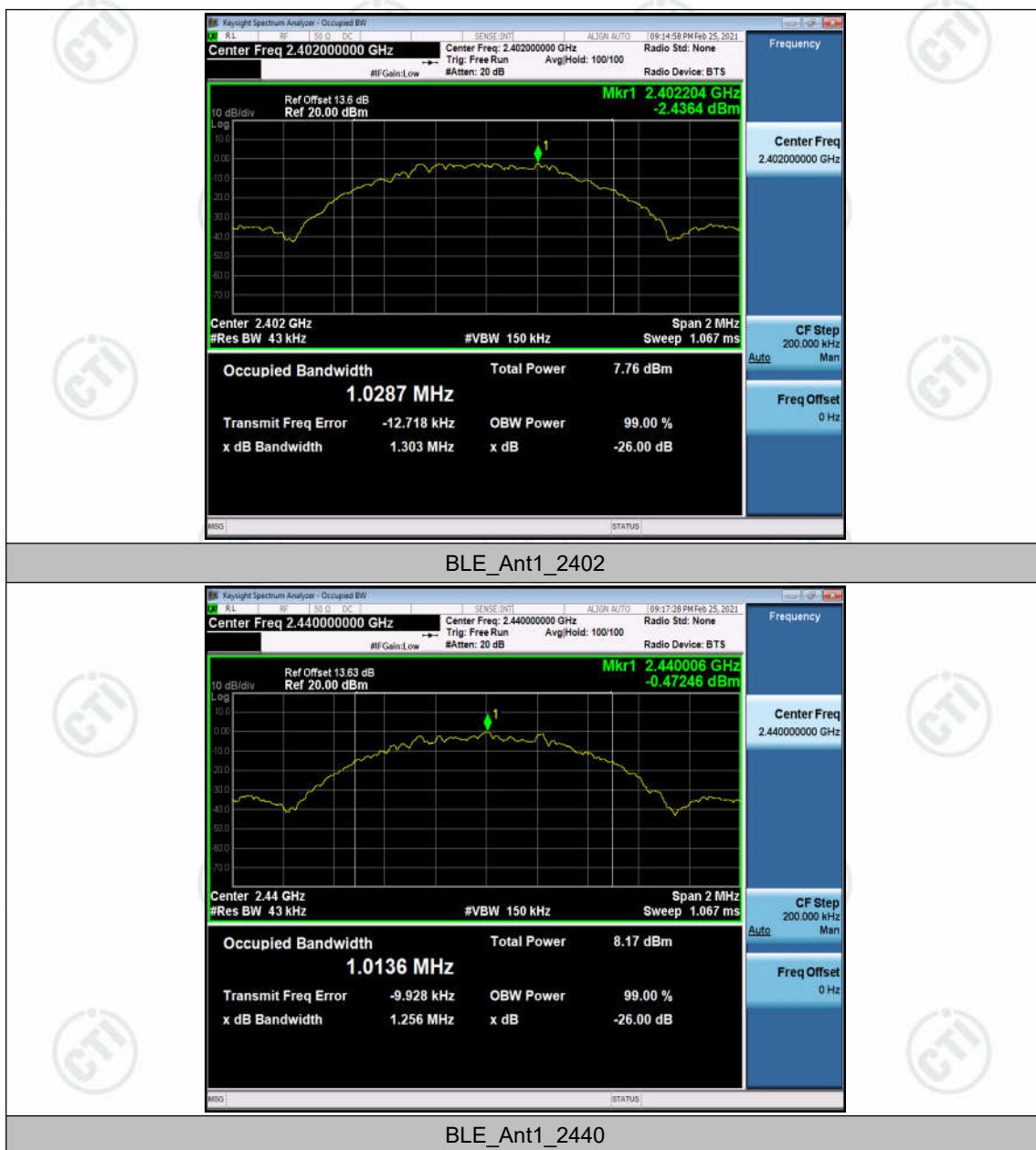


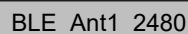
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0287	2401.473	2402.502	---	PASS
		2440	1.0136	2439.483	2440.497	---	PASS
		2480	1.0196	2479.480	2480.499	---	PASS

Test Graphs



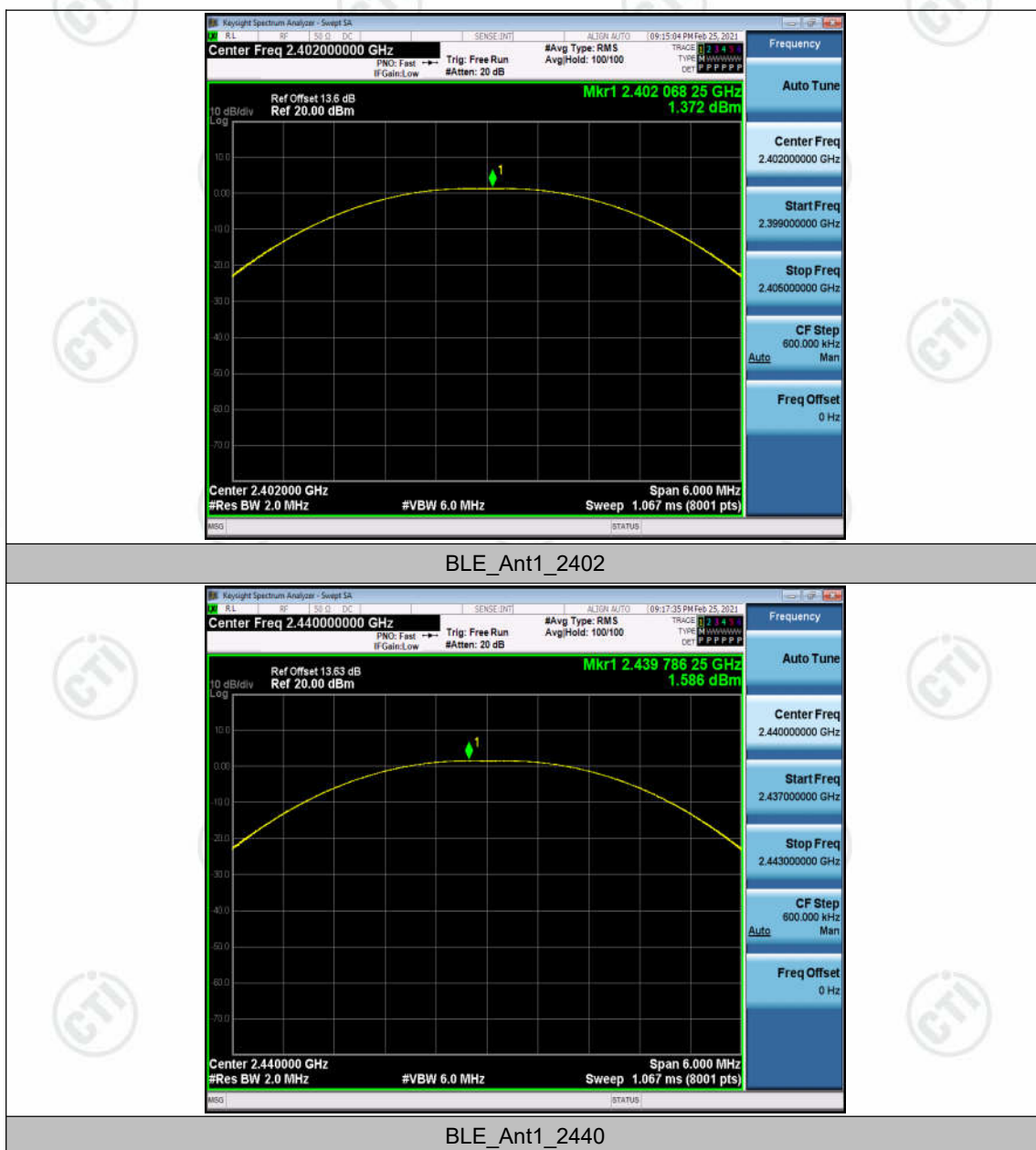


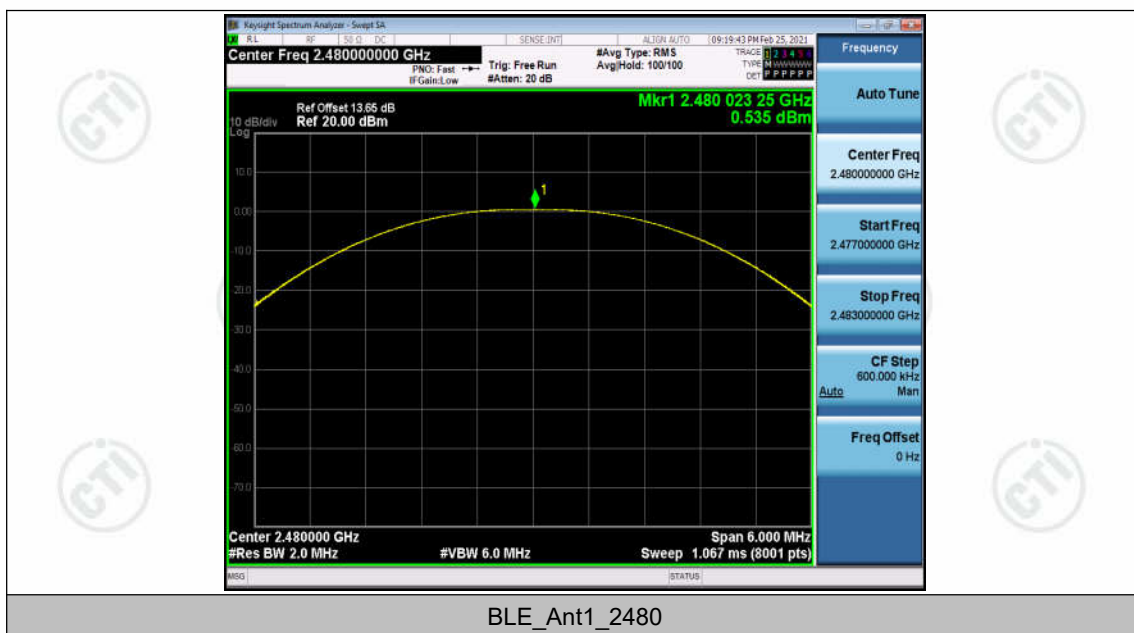
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	1.37	<=30	PASS
		2440	1.59	<=30	PASS
		2480	0.54	<=30	PASS

Test Graphs



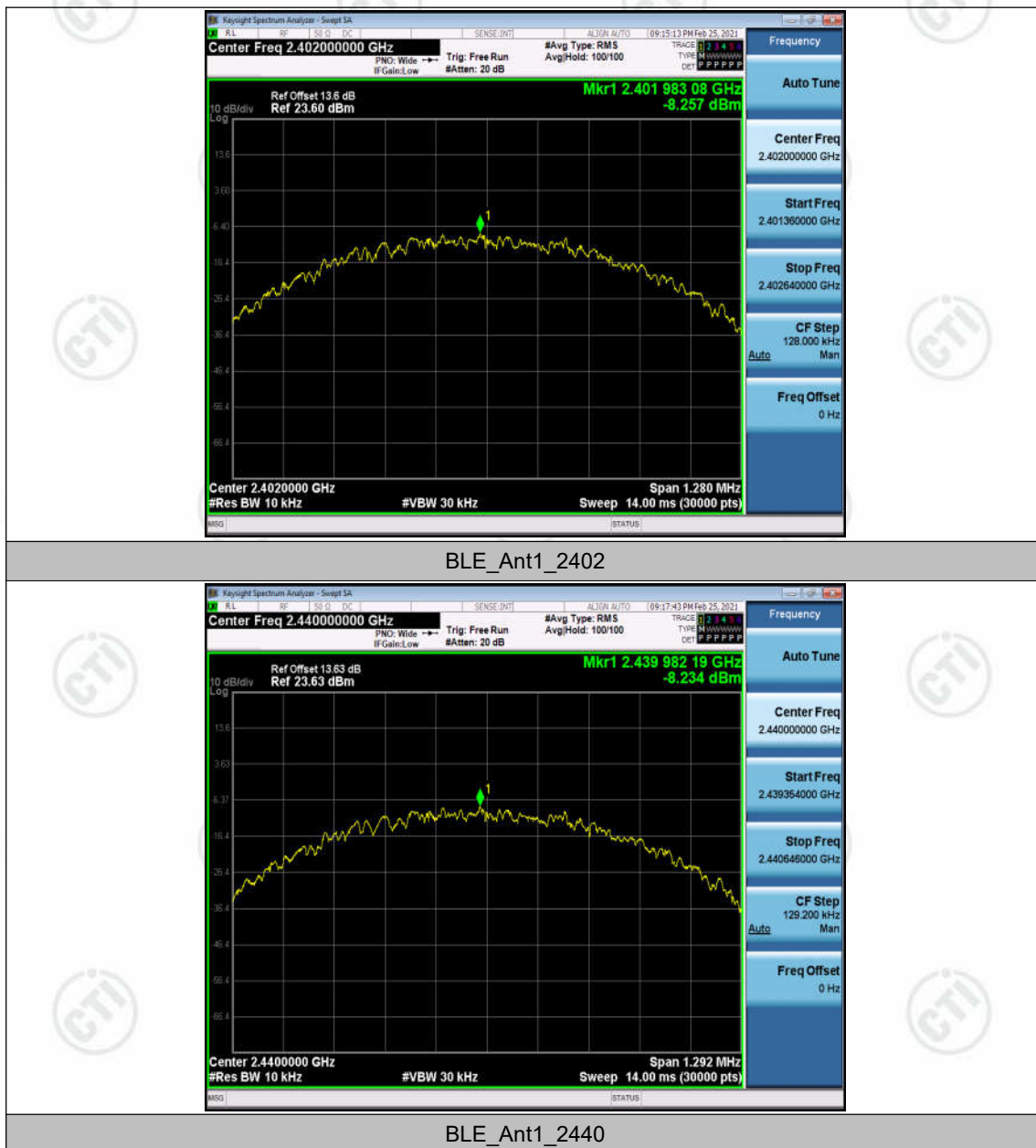


Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-8.26	<=8	PASS
		2440	-8.23	<=8	PASS
		2480	-9.46	<=8	PASS

Test Graphs



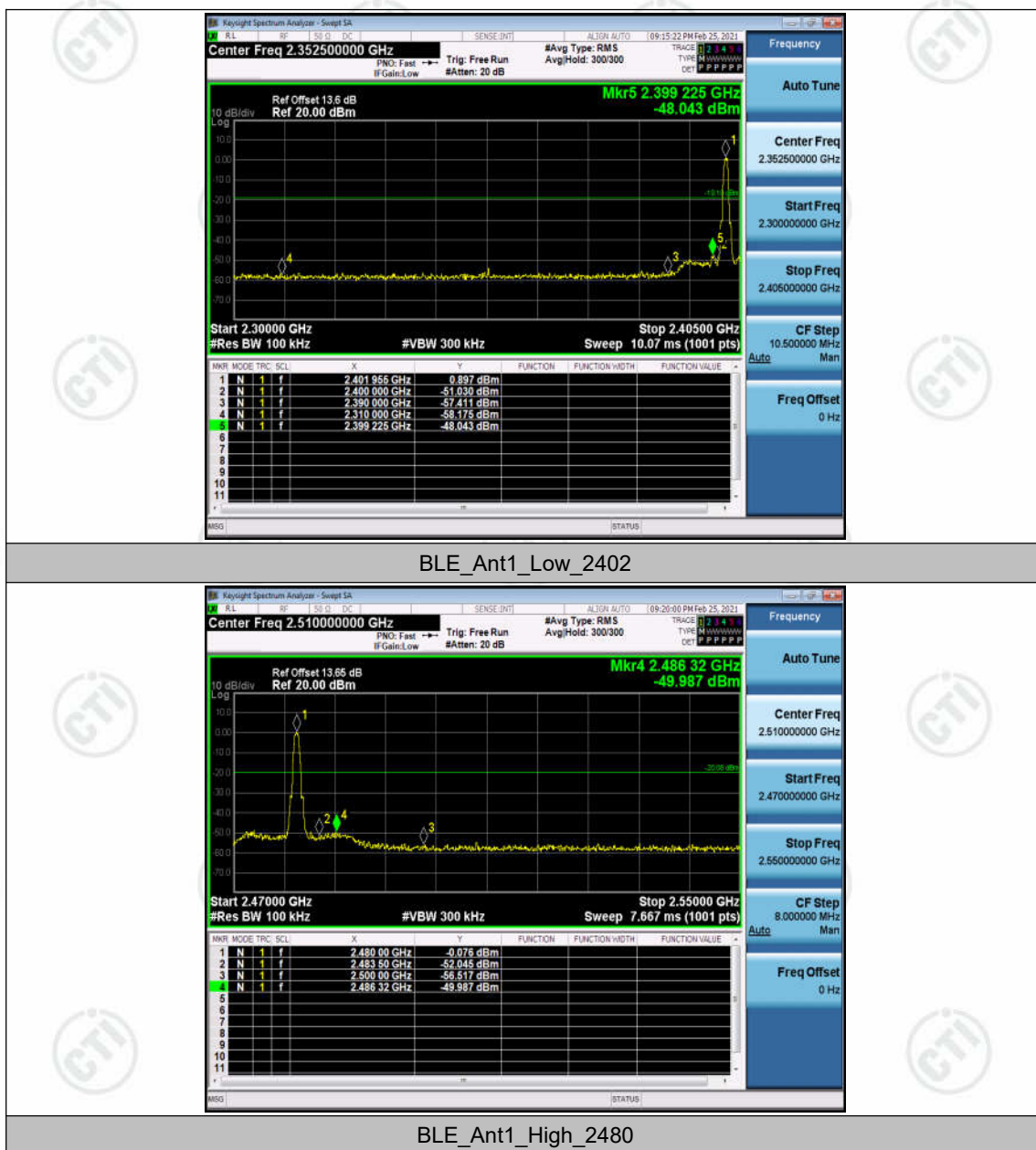


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	0.90	-48.04	<=-19.1	PASS
		High	2480	-0.08	-49.99	<=-20.08	PASS

Test Graphs

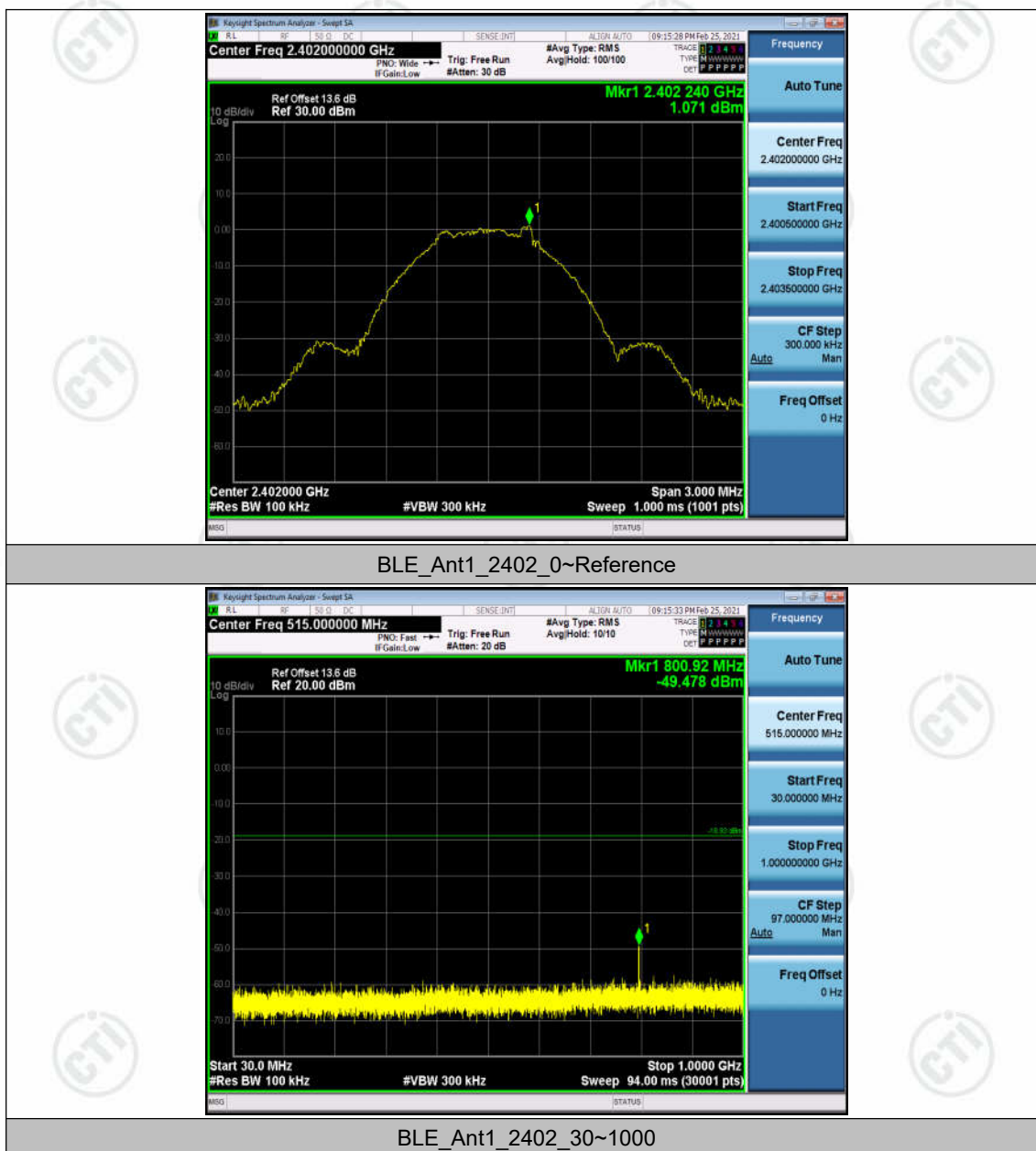


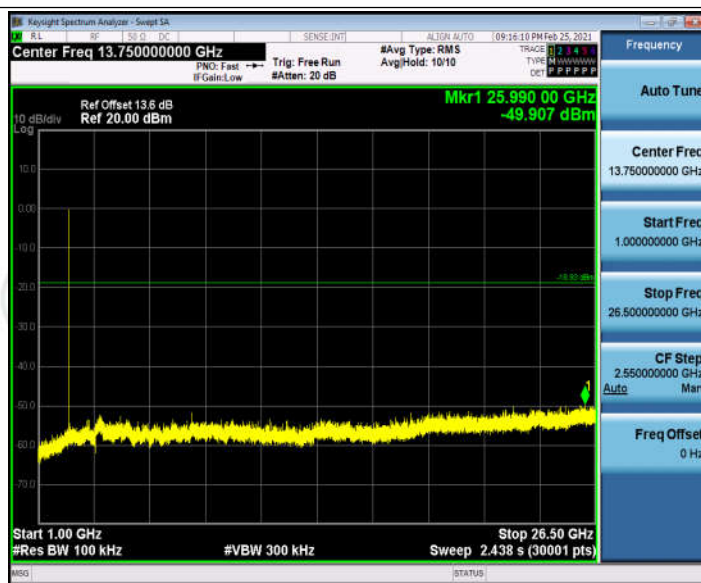
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	1.07	1.07	---	PASS
			30~1000	30~1000	-49.478	<=-18.929	PASS
			1000~26500	1000~26500	-49.907	<=-18.929	PASS
		2440	Reference	0.73	0.73	---	PASS
			30~1000	30~1000	-49.368	<=-19.272	PASS
			1000~26500	1000~26500	-48.894	<=-19.272	PASS
		2480	Reference	-0.60	-0.60	---	PASS
			30~1000	30~1000	-47.599	<=-20.602	PASS
			1000~26500	1000~26500	-49.329	<=-20.602	PASS

Test Graphs

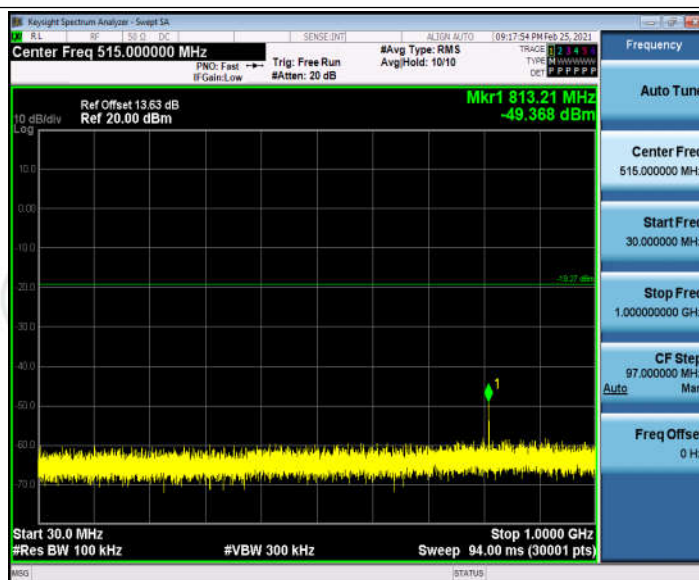




BLE_Ant1_2402_1000~26500



BLE_Ant1_2440_0~Reference



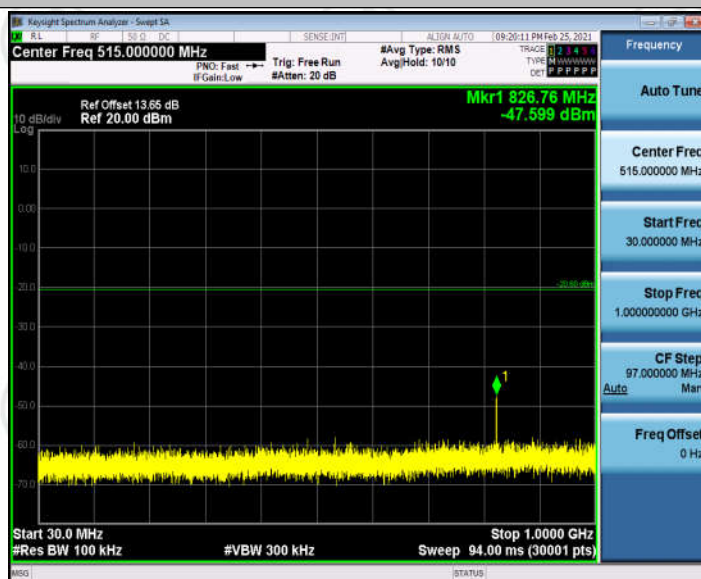
BLE_Ant1_2440_30~1000



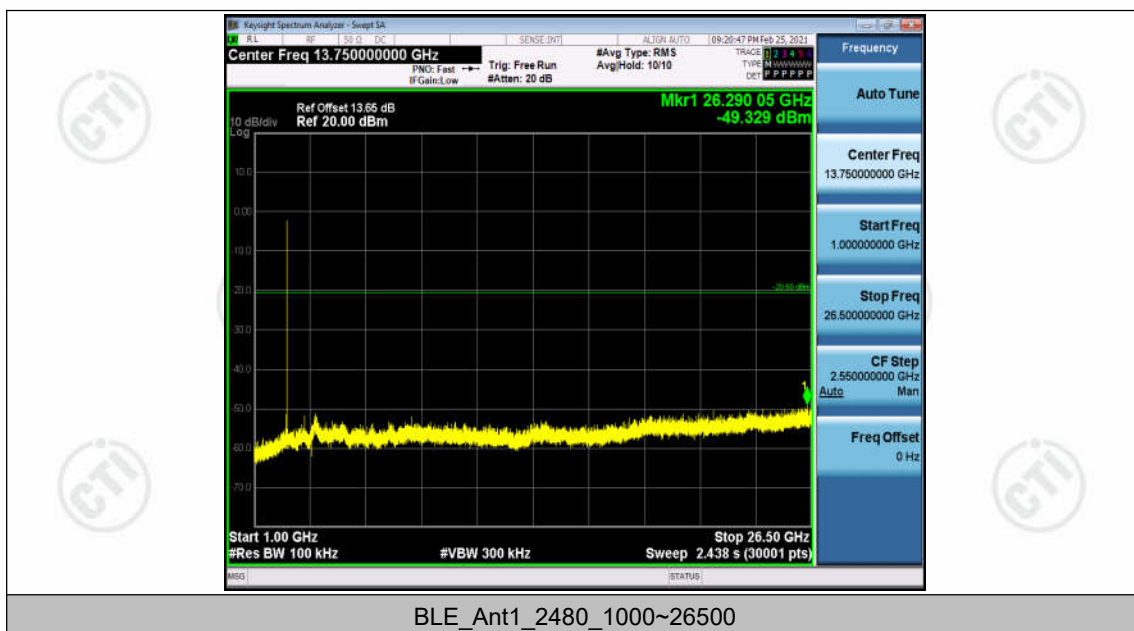
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000

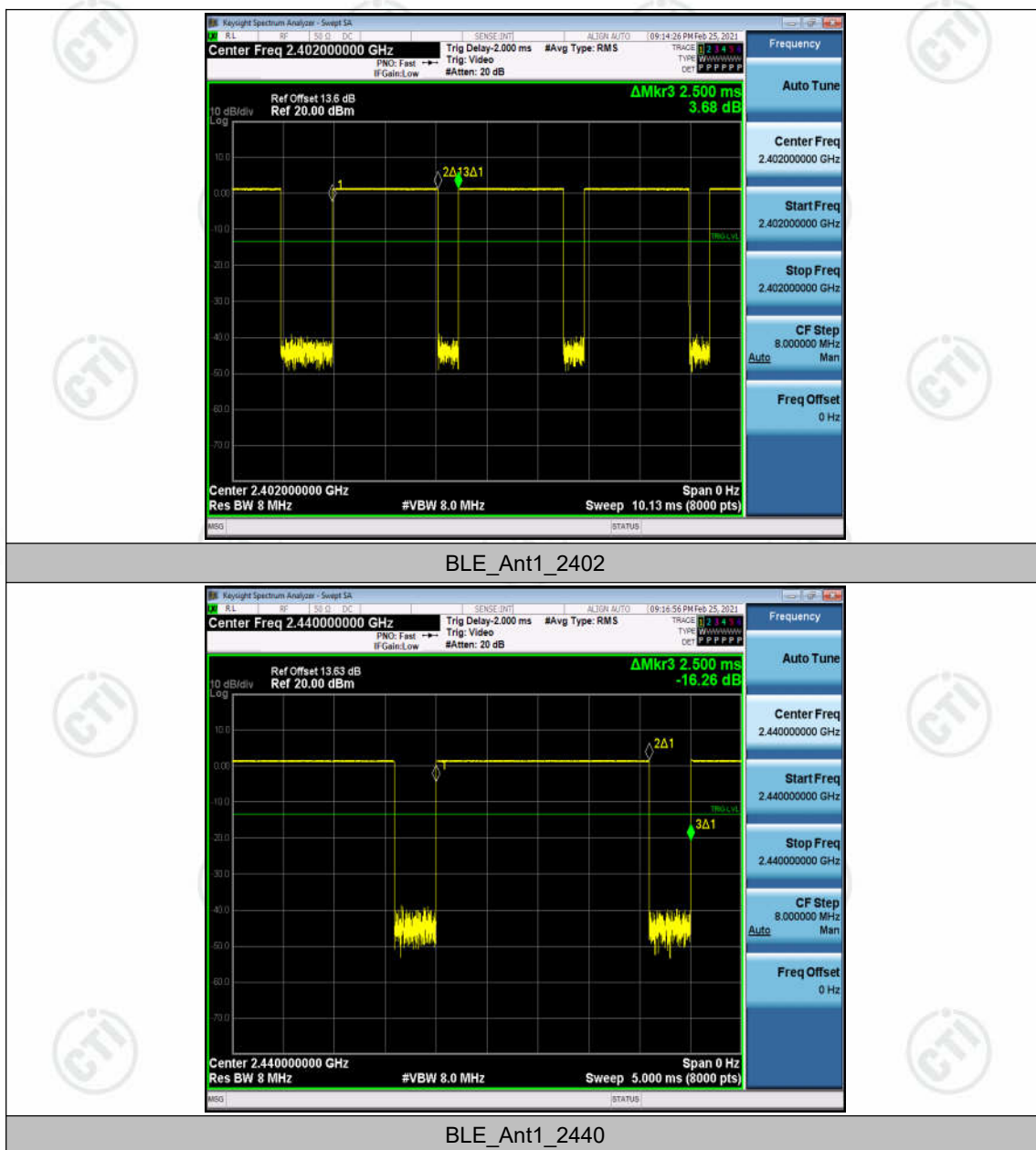


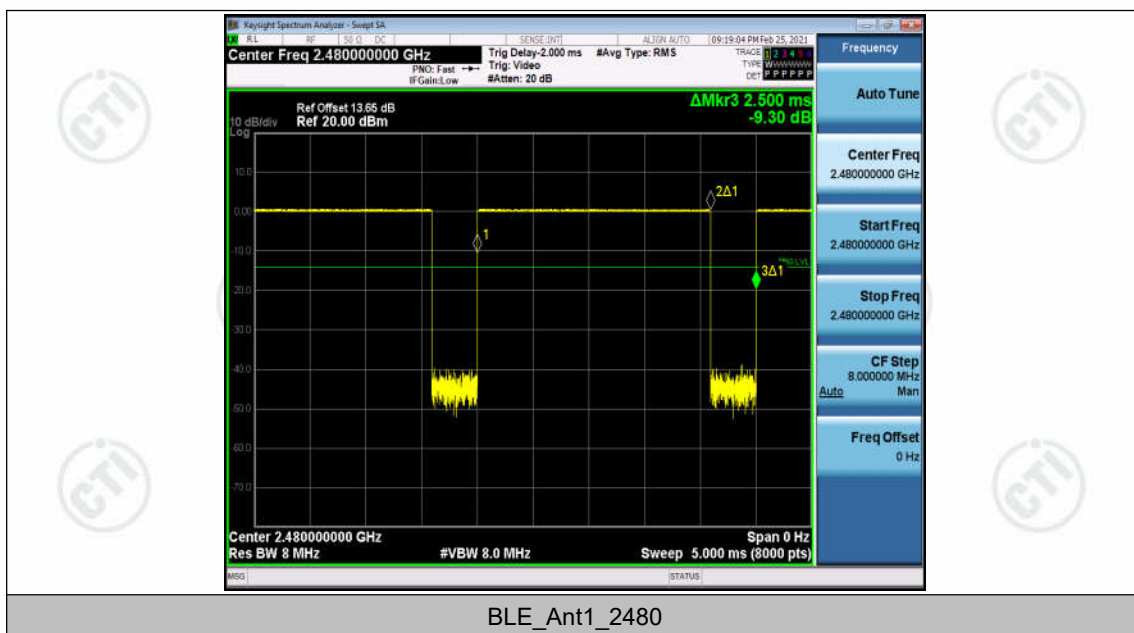
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE	Ant1	2402	2.09	2.50	83.59	---	PASS
		2440	2.09	2.50	83.65	---	PASS
		2480	2.09	2.50	83.65	---	PASS

Test Graphs





*** End of Report ***