

Appendix: Bluetooth LE

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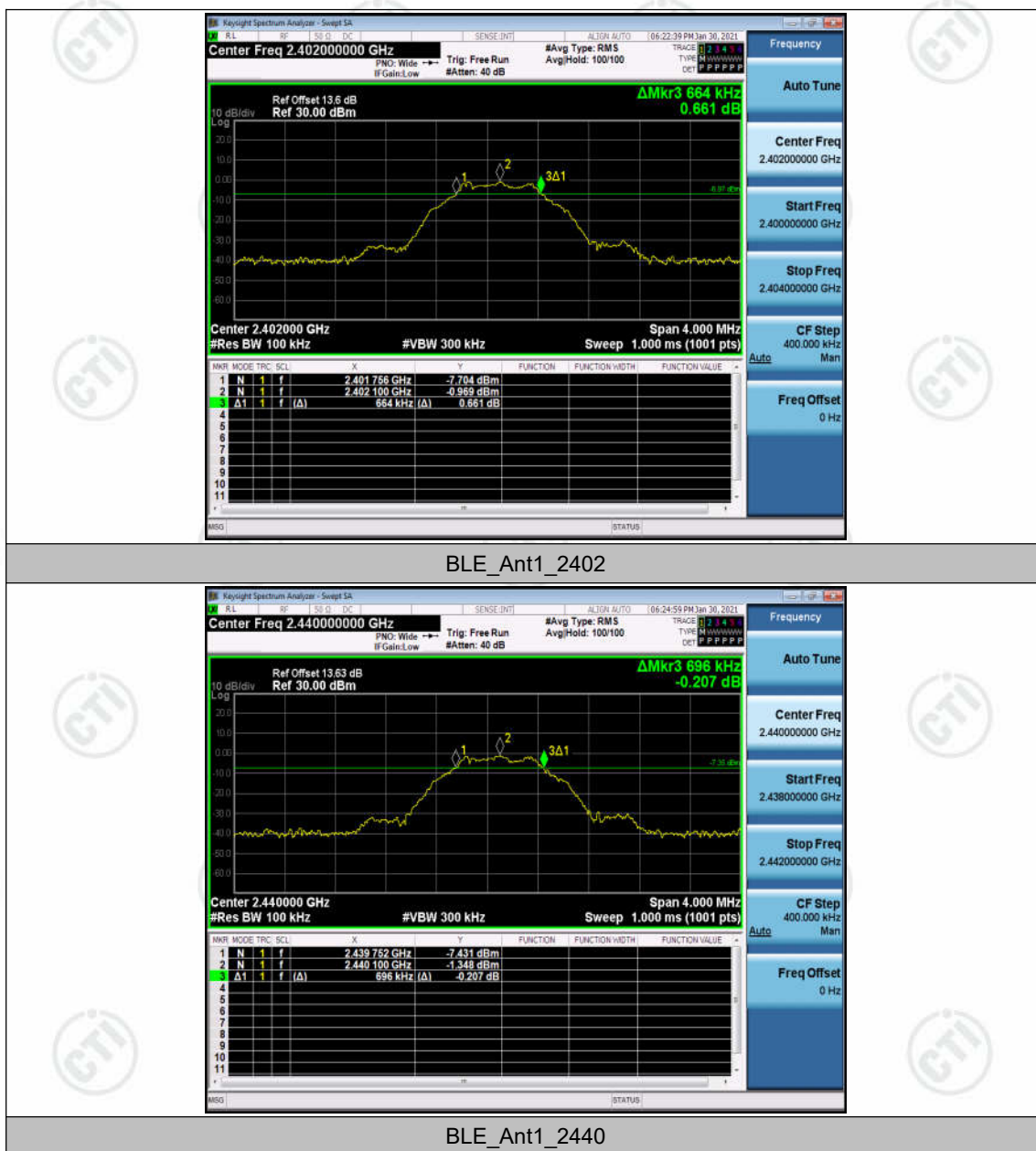
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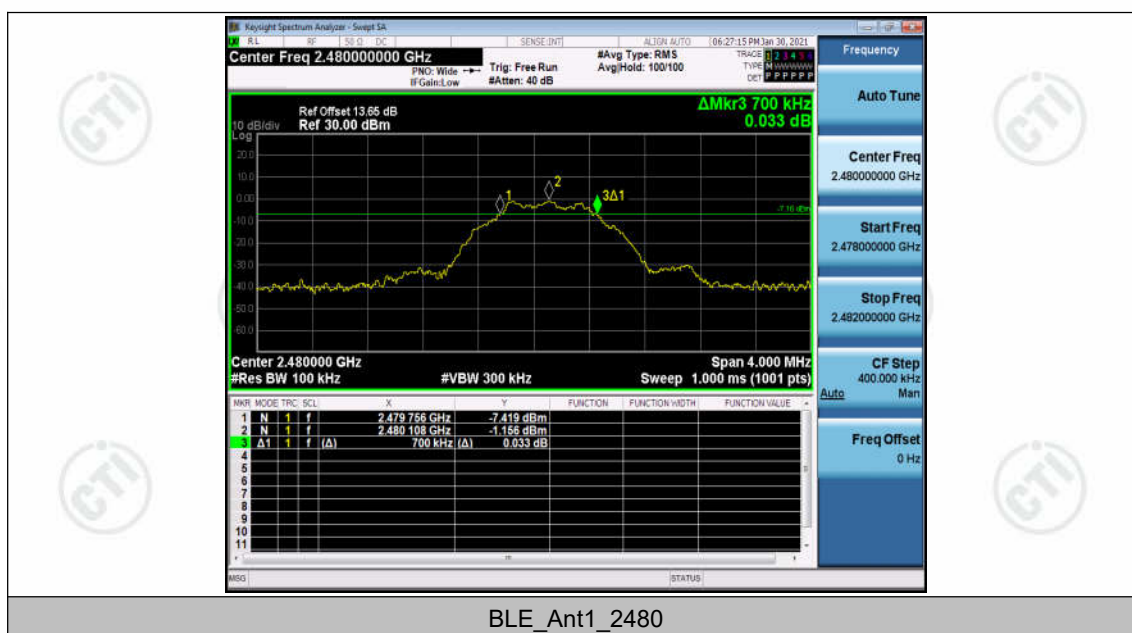
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.664	2401.756	2402.420	0.5	PASS
		2440	0.696	2439.752	2440.448	0.5	PASS
		2480	0.700	2479.756	2480.456	0.5	PASS

Test Graphs



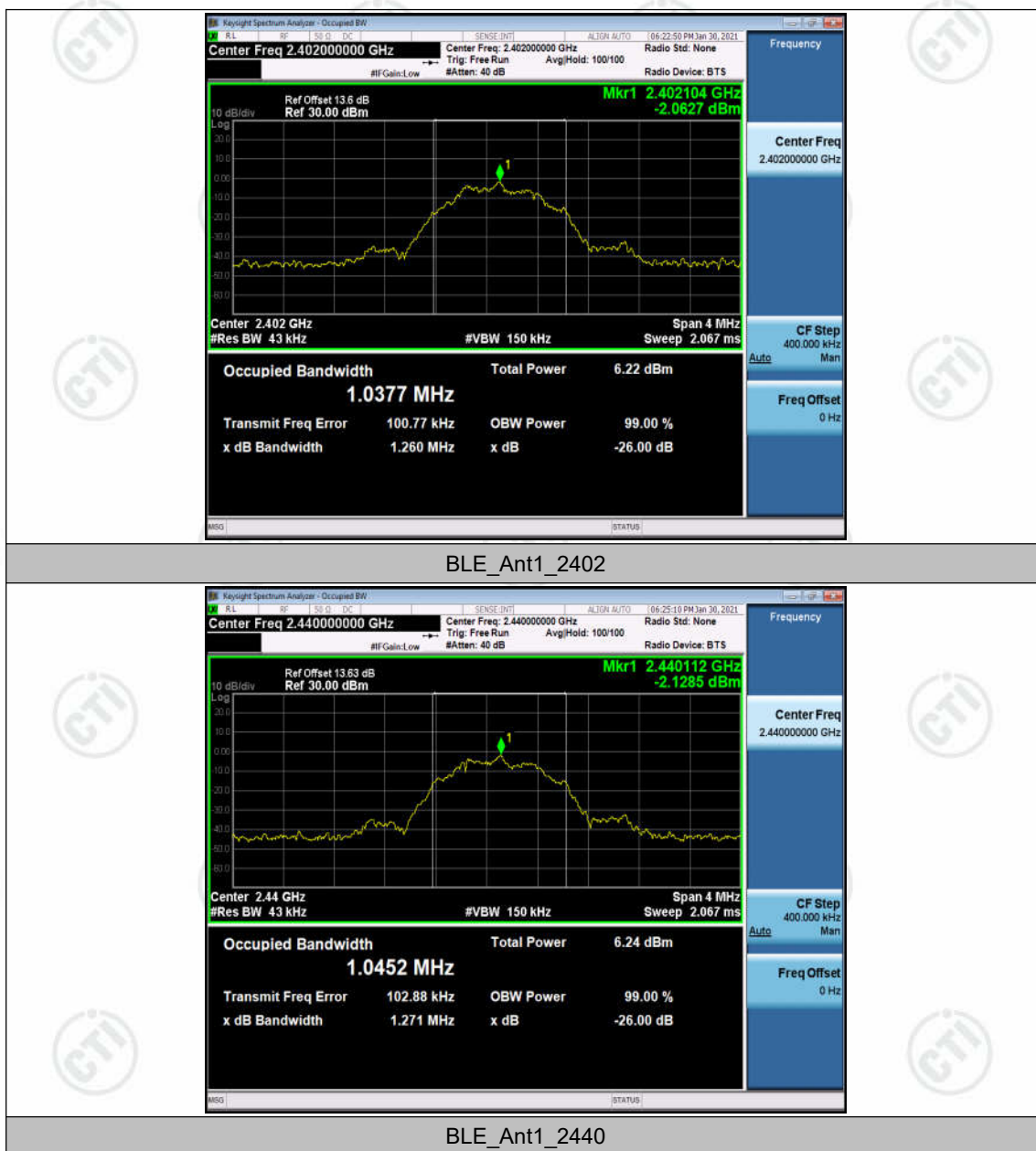


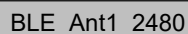
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0377	2401.582	2402.620	---	PASS
		2440	1.0452	2439.580	2440.625	---	PASS
		2480	1.0464	2479.583	2480.629	---	PASS

Test Graphs



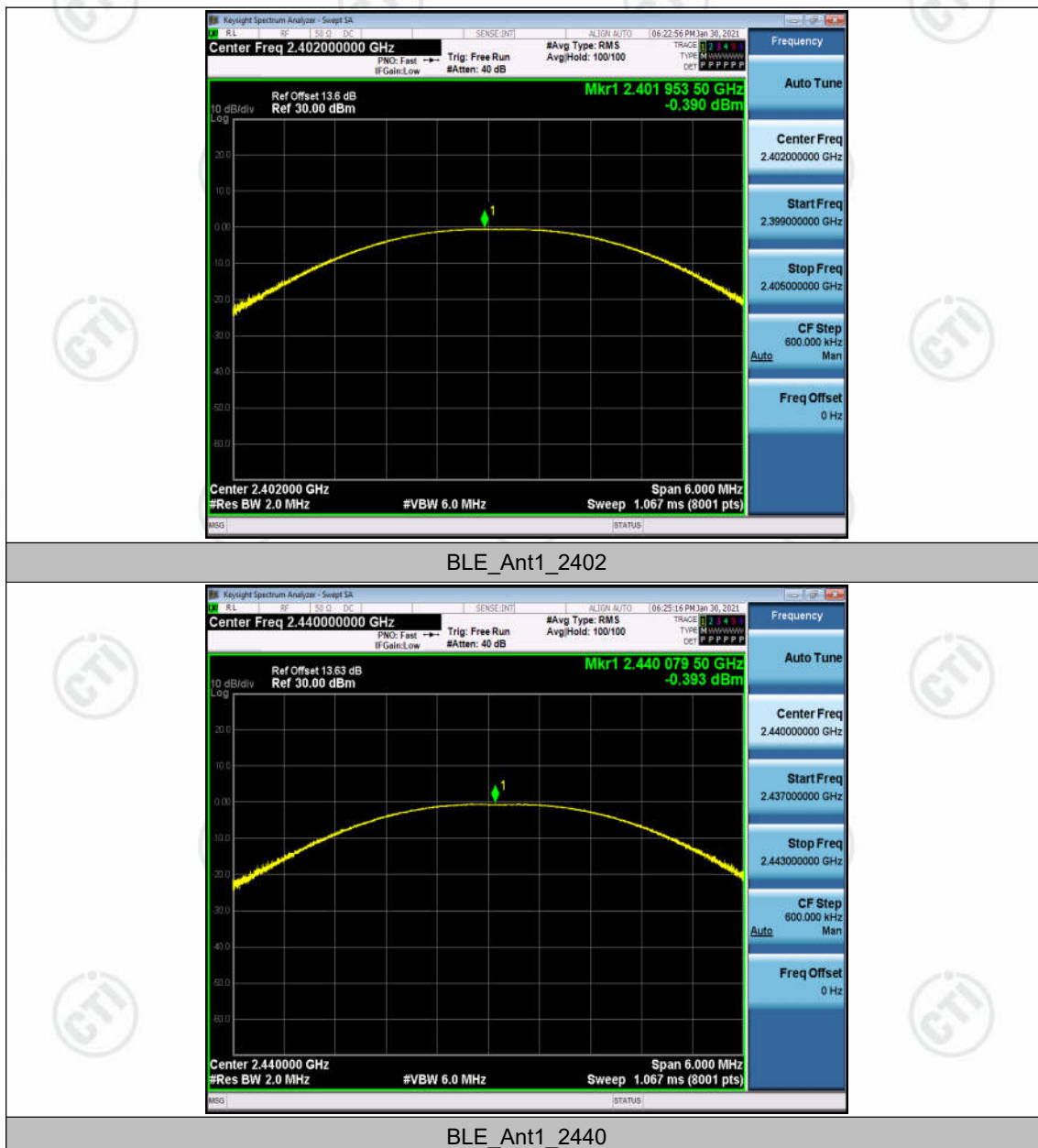


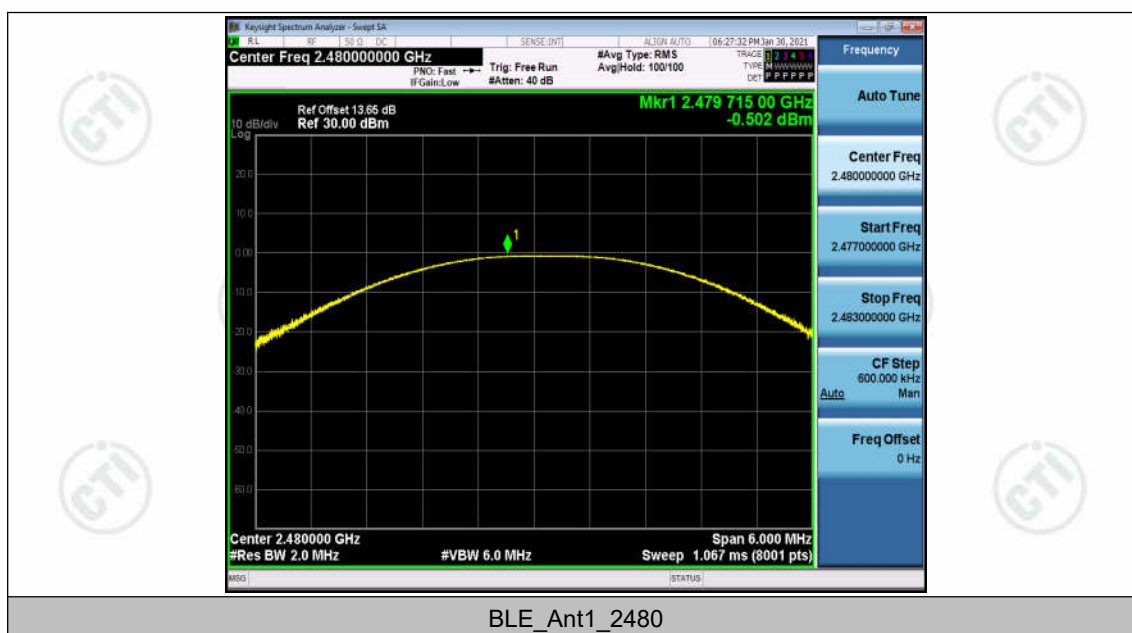
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	-0.39	<=30	PASS
		2440	-0.39	<=30	PASS
		2480	-0.5	<=30	PASS

Test Graphs



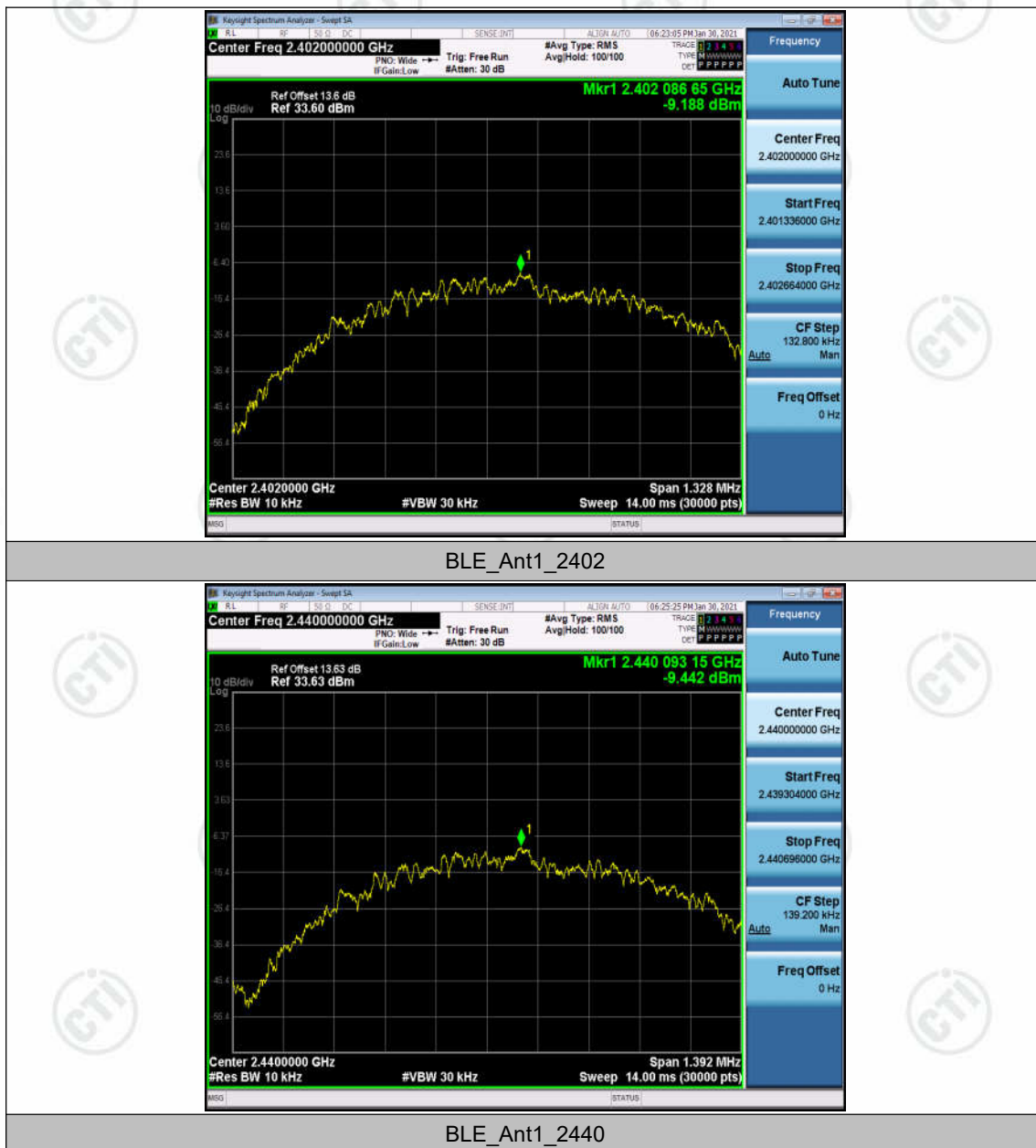


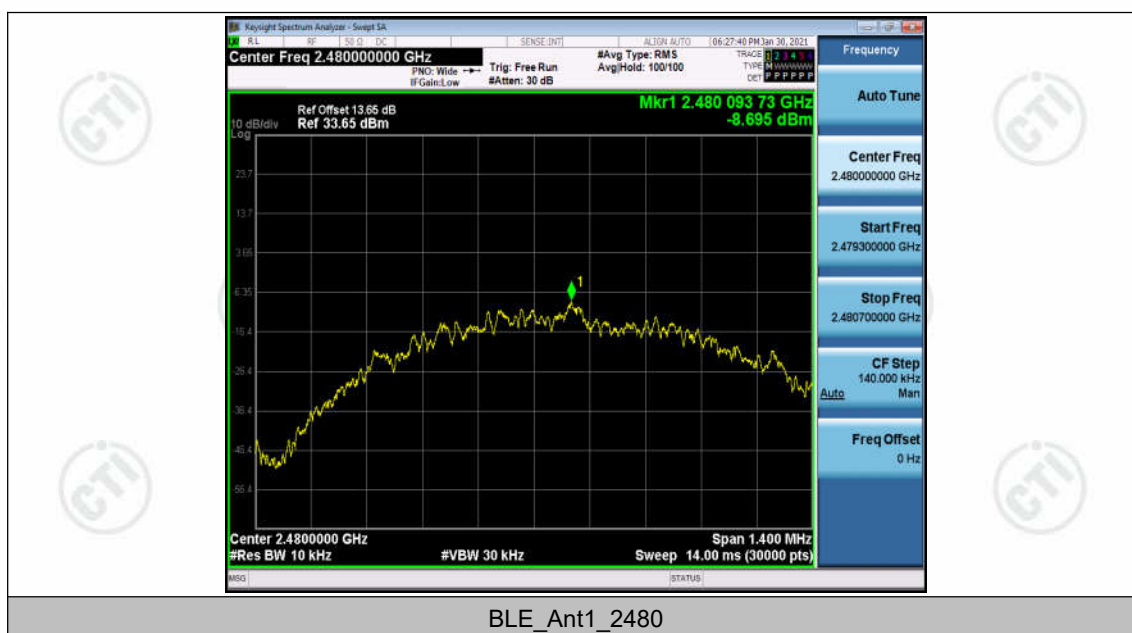
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-9.19	<=8	PASS
		2440	-9.44	<=8	PASS
		2480	-8.7	<=8	PASS

Test Graphs



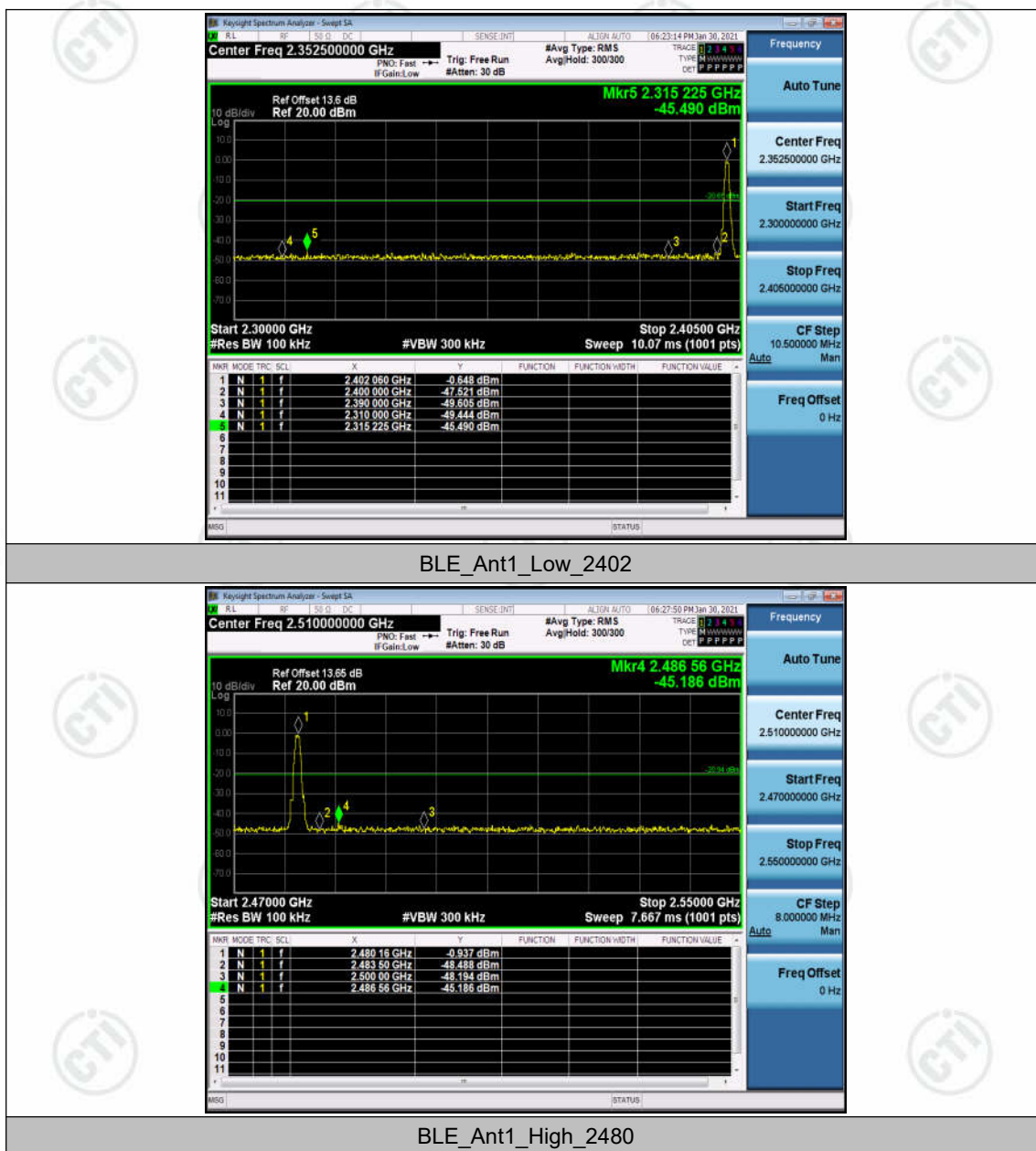


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE	Ant1	Low	2402	-0.65	-45.49	<=-20.65	PASS
		High	2480	-0.94	-45.19	<=-20.94	PASS

Test Graphs

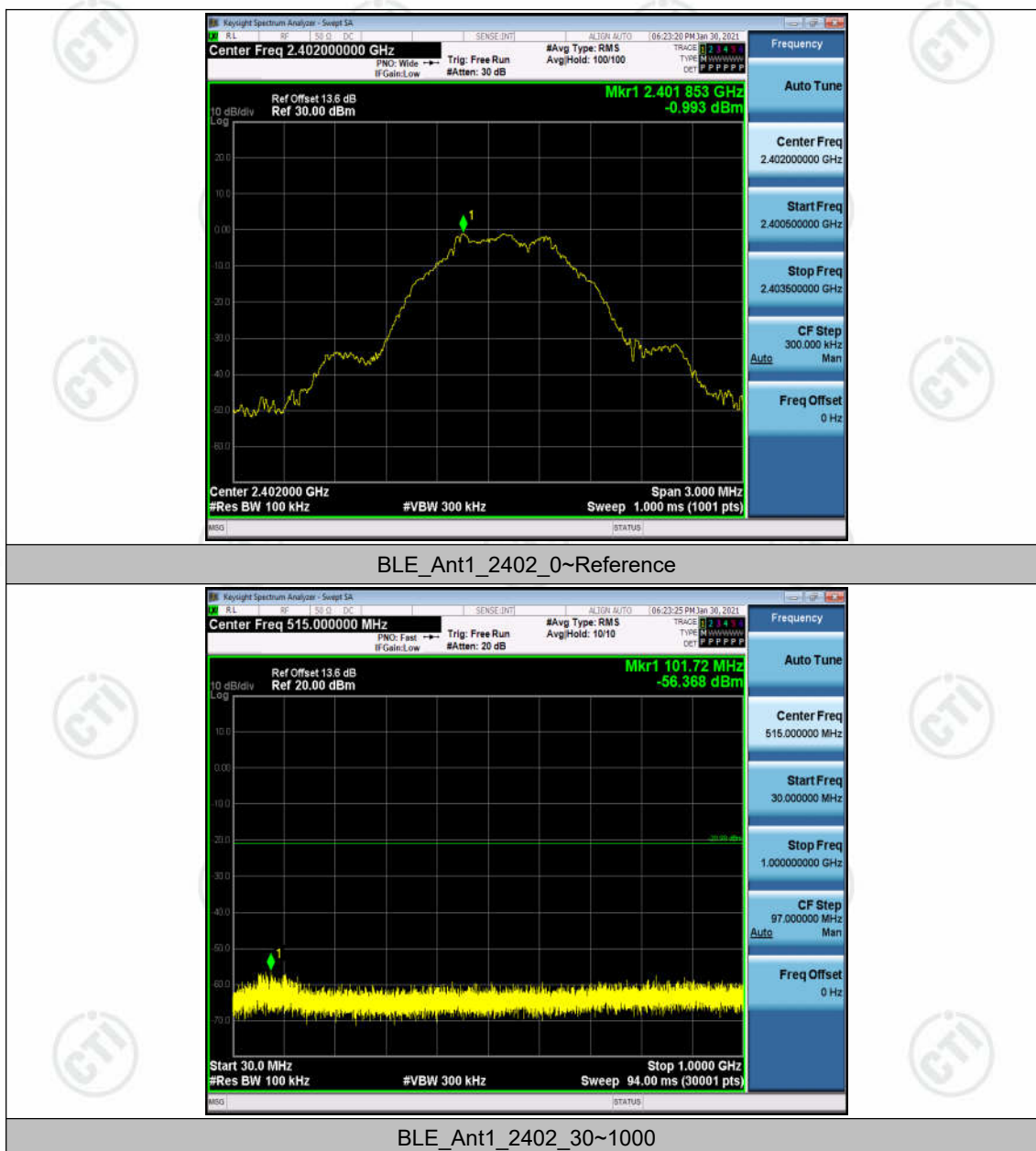


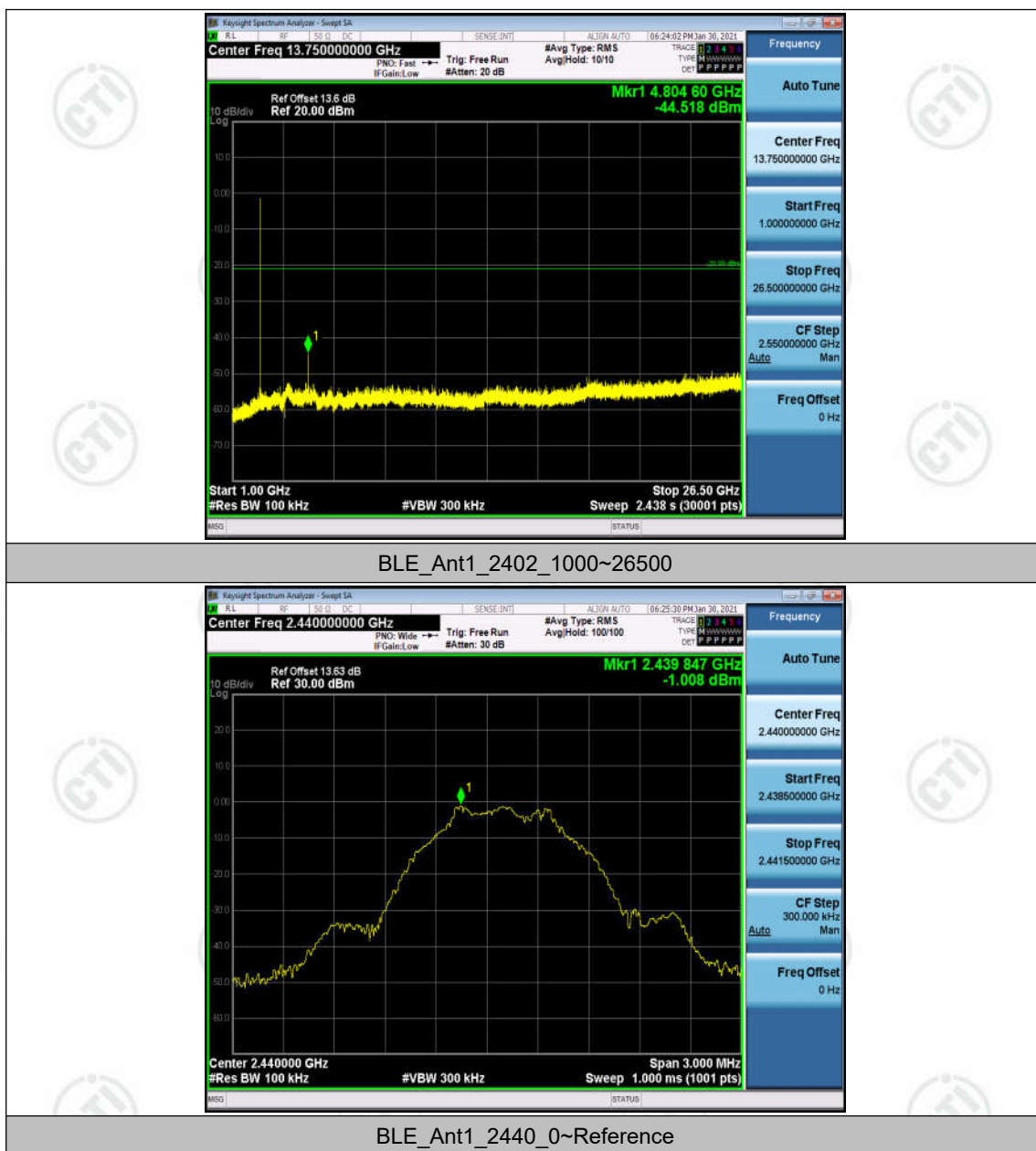
Appendix F: Conducted Spurious Emission

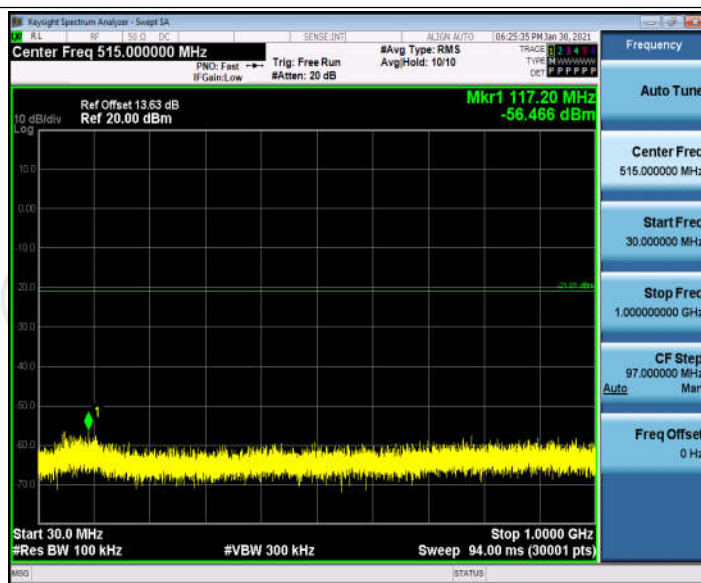
Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE	Ant1	2402	Reference	-0.99	-0.99	---	PASS
			30~1000	30~1000	-56.368	<=-20.993	PASS
			1000~26500	1000~26500	-44.518	<=-20.993	PASS
		2440	Reference	-1.01	-1.01	---	PASS
			30~1000	30~1000	-56.466	<=-21.008	PASS
			1000~26500	1000~26500	-47.215	<=-21.008	PASS
		2480	Reference	-1.20	-1.20	---	PASS
			30~1000	30~1000	-55.672	<=-21.198	PASS
			1000~26500	1000~26500	-49.537	<=-21.198	PASS

Test Graphs



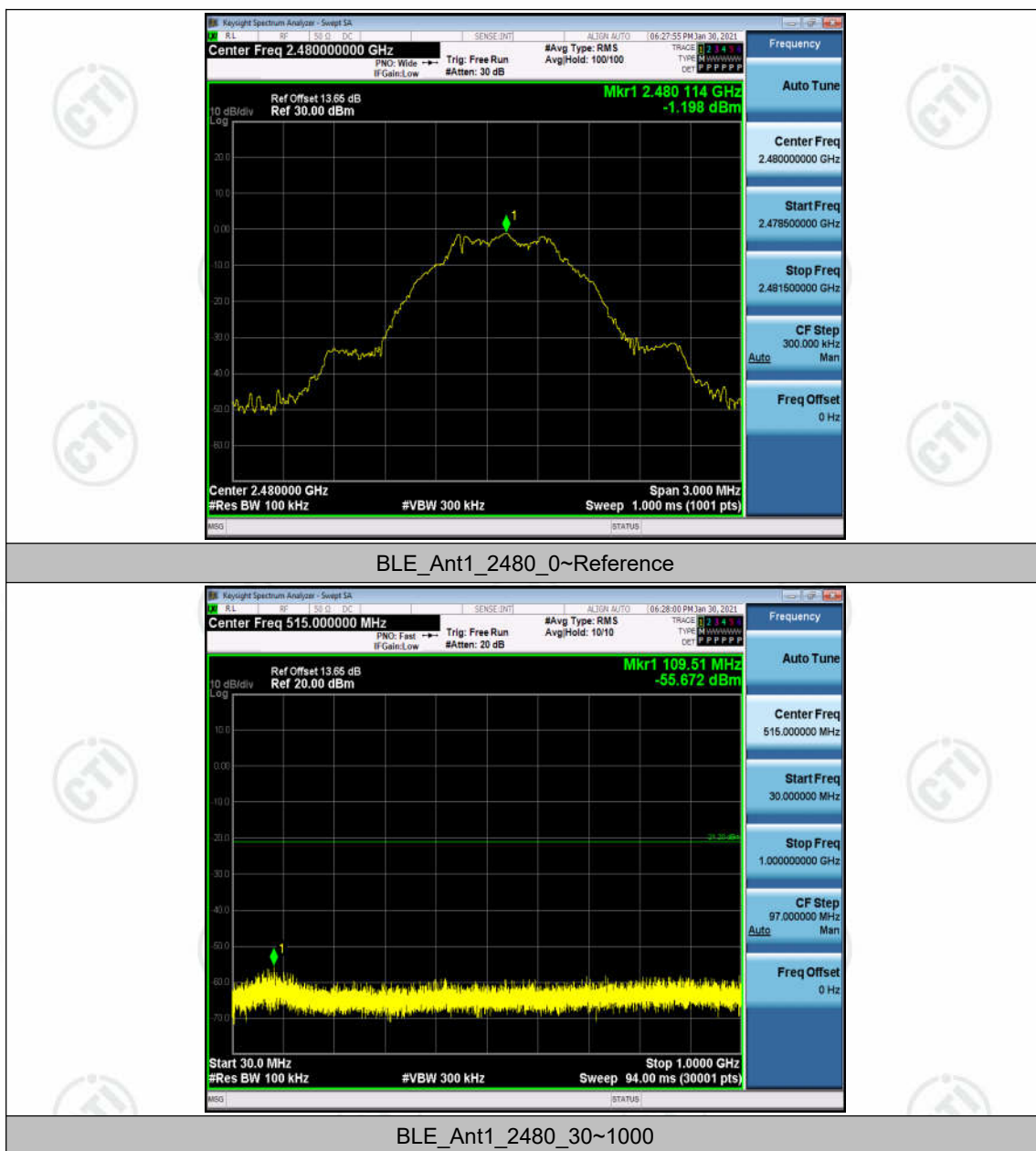


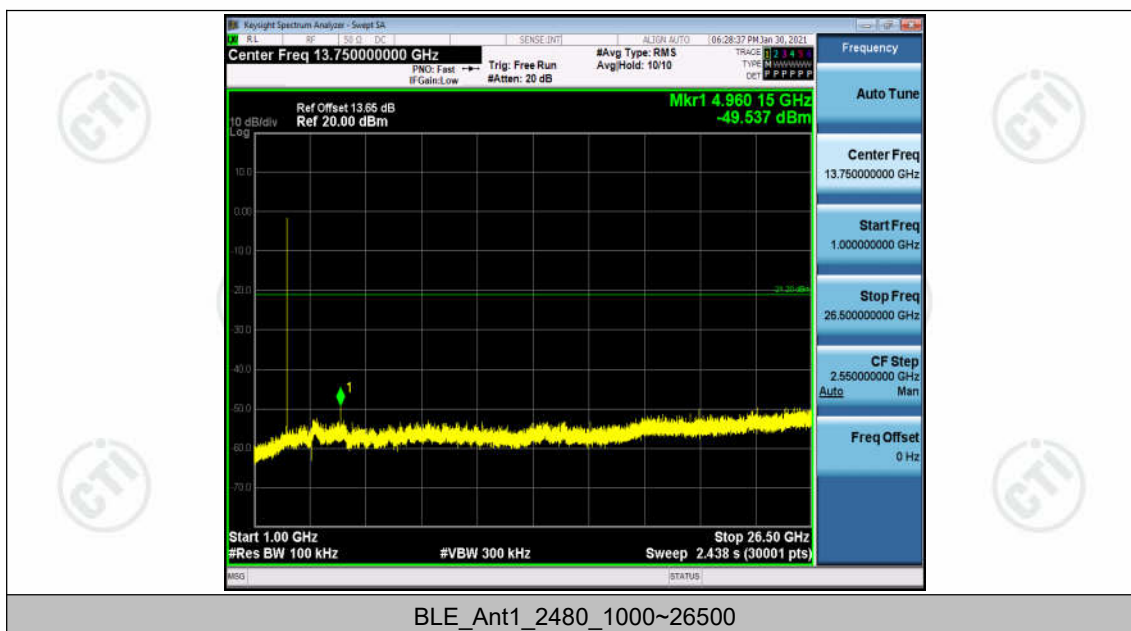


BLE_Ant1_2440_30~1000



BLE_Ant1_2440_1000~26500



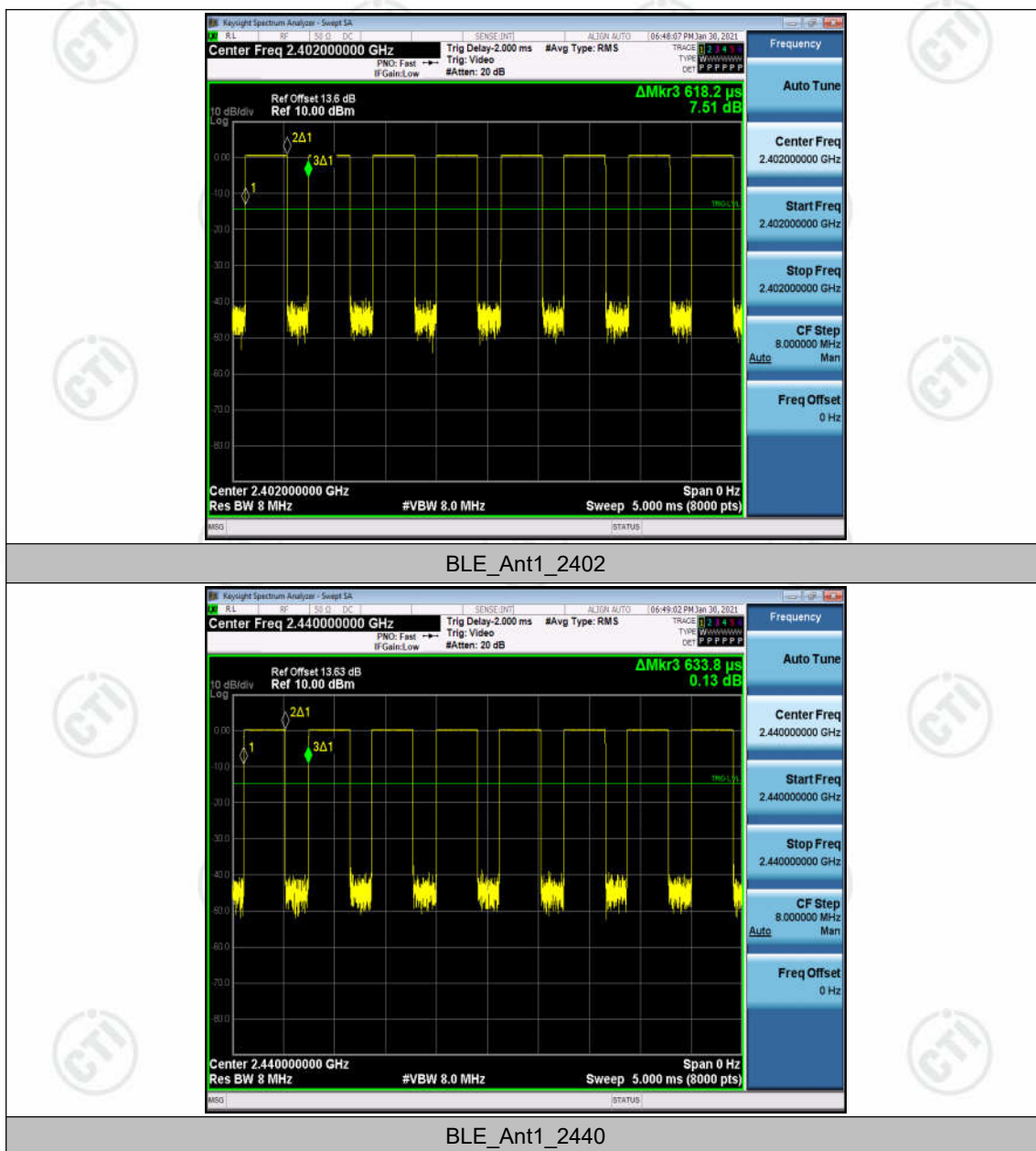


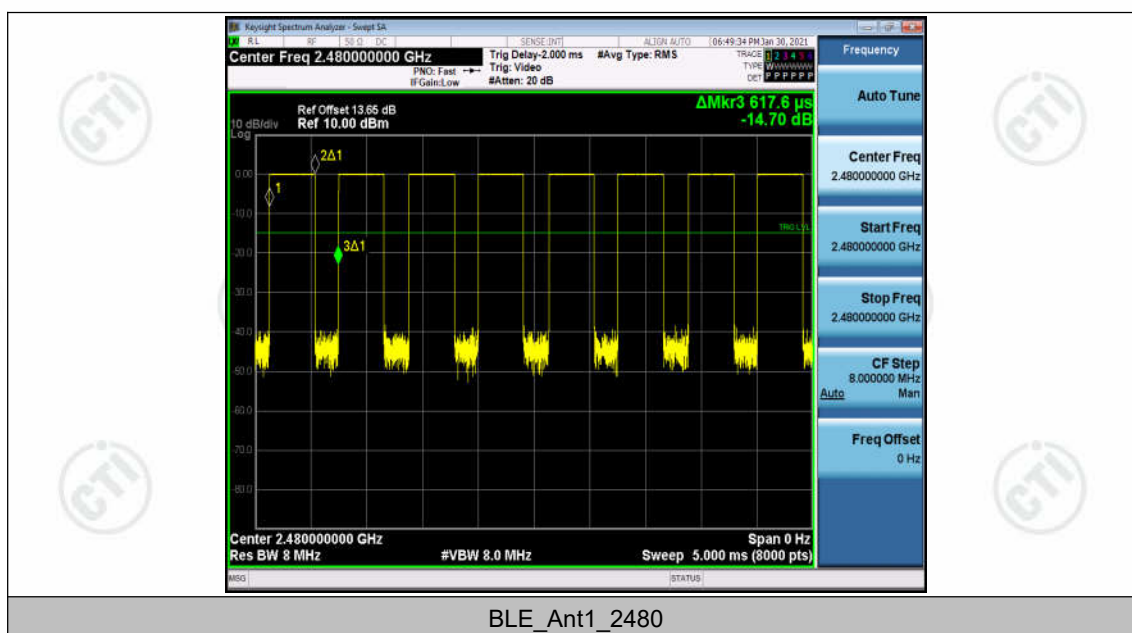
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE	Ant1	2402	0.41	0.62	65.62	---	PASS
		2440	0.41	0.63	64.00	---	PASS
		2480	0.41	0.62	65.69	---	PASS

Test Graphs





*** End of Report ***