

Appendix: Bluetooth LE

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Appendix A: DTS Bandwidth

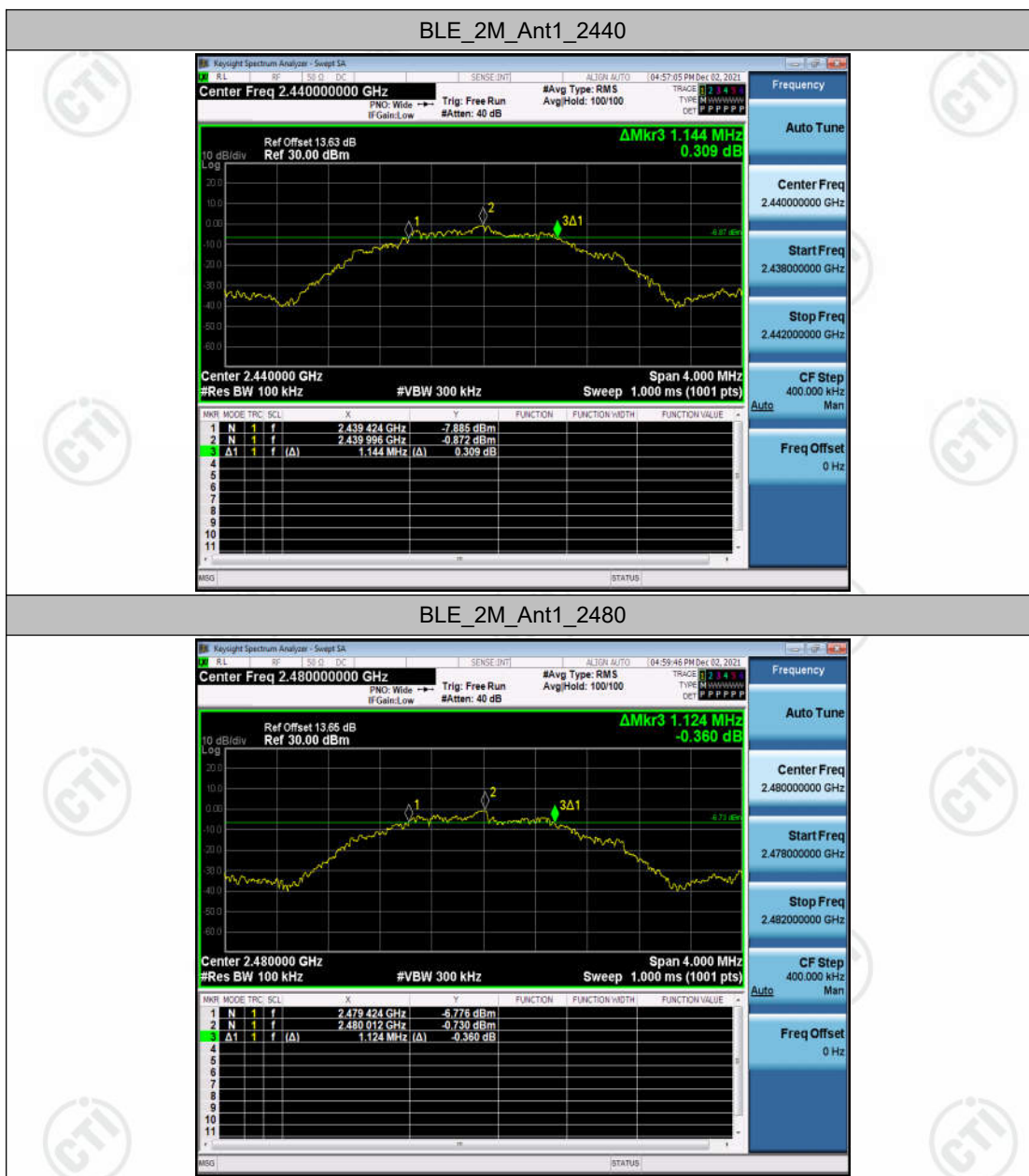
Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.652	2402.336	0.5	PASS
		2440	0.648	2439.664	2440.312	0.5	PASS
		2480	0.676	2479.636	2480.312	0.5	PASS
BLE_2M	Ant1	2402	1.148	2401.420	2402.568	0.5	PASS
		2440	1.144	2439.424	2440.568	0.5	PASS
		2480	1.124	2479.424	2480.548	0.5	PASS

Test Graphs





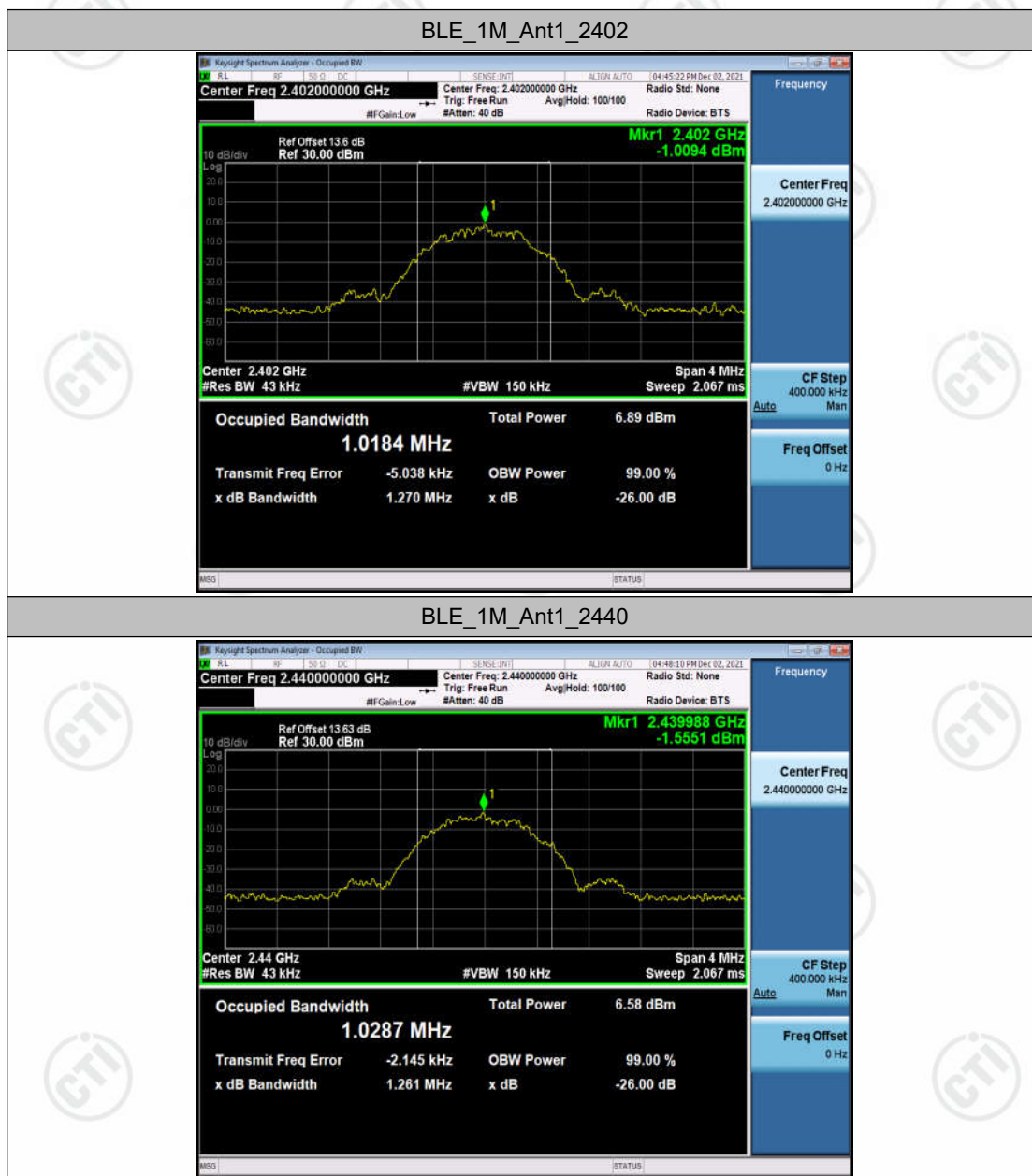


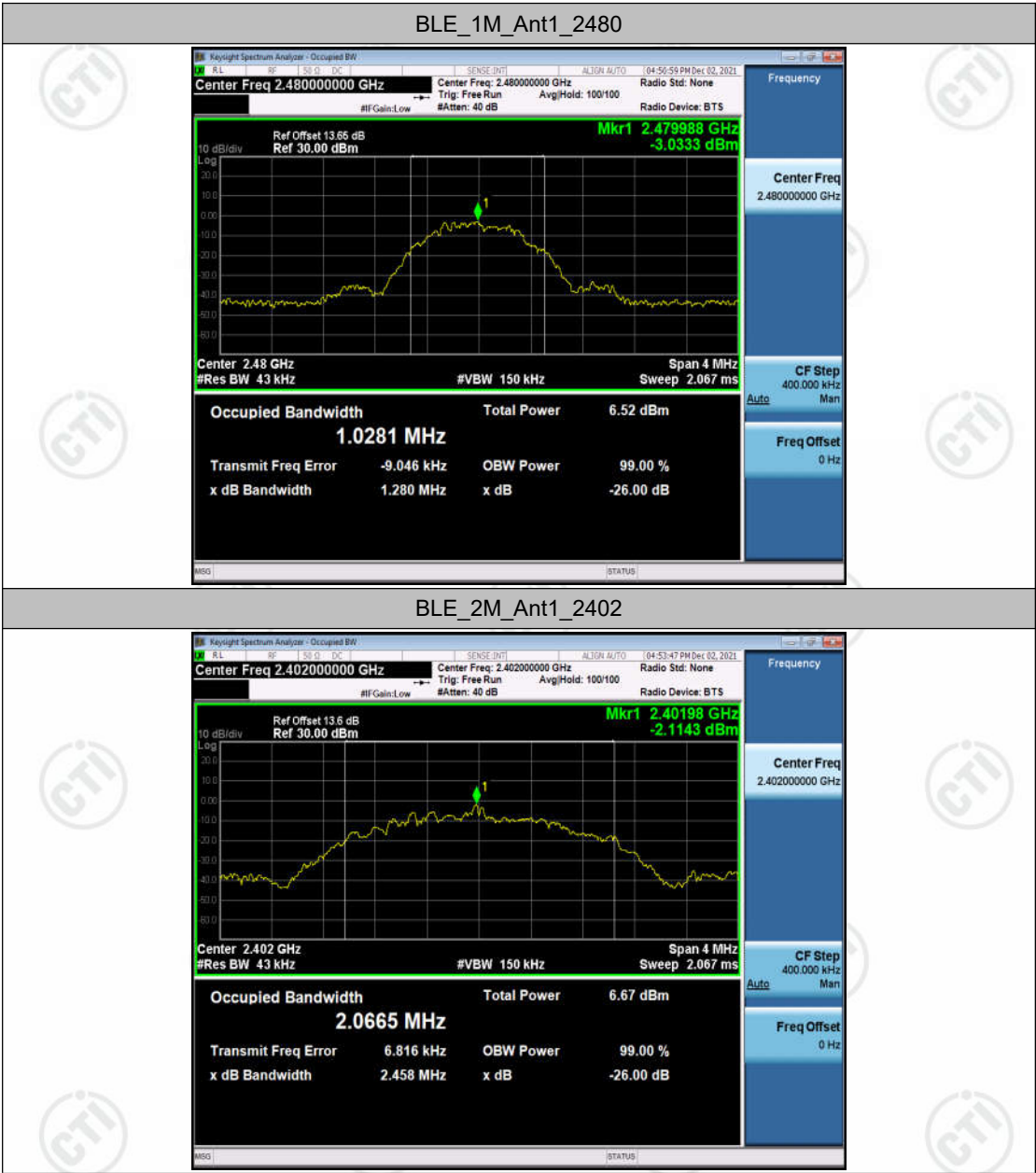
Appendix B: Occupied Channel Bandwidth

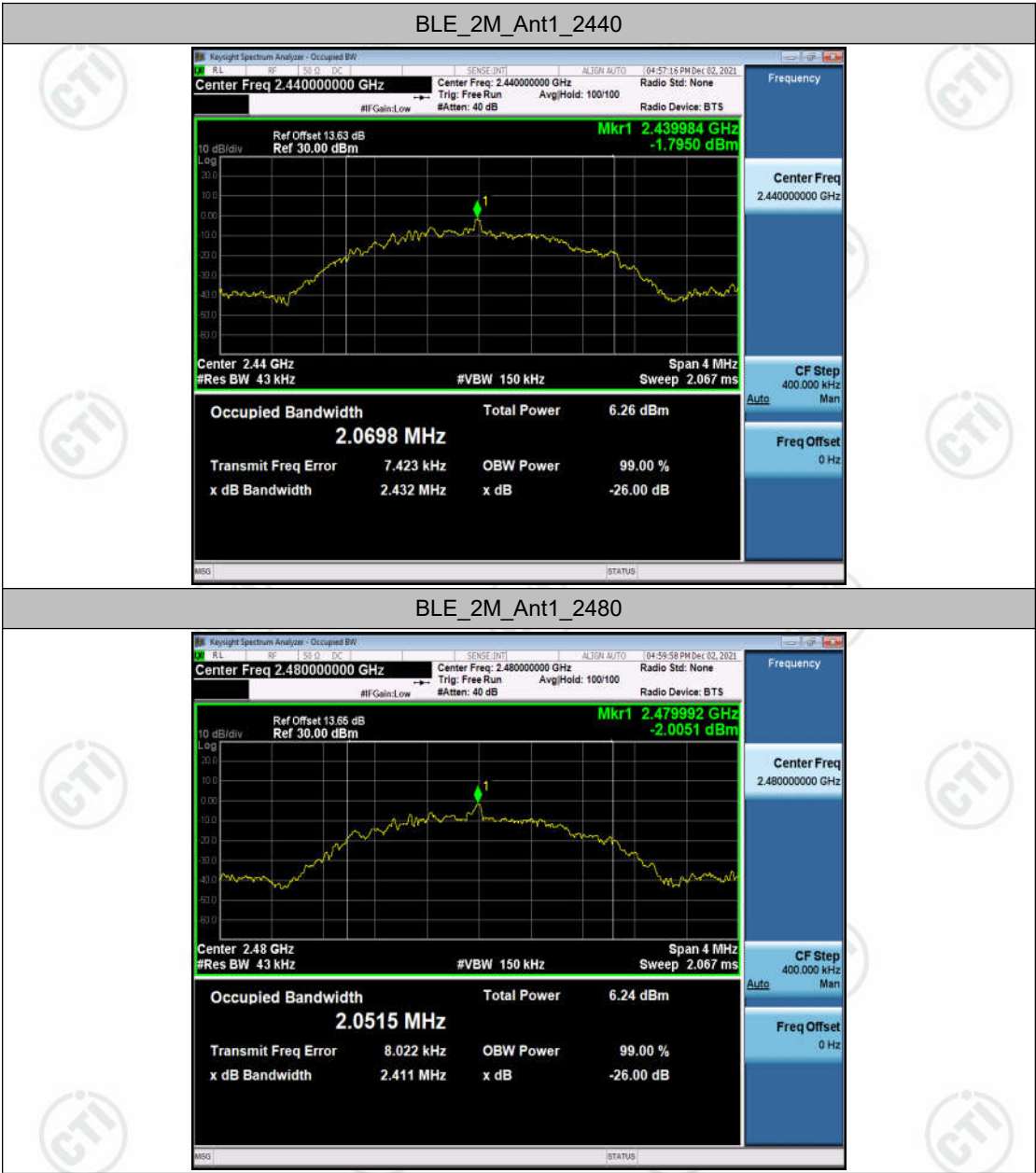
Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0184	2401.486	2402.504	---	PASS
		2440	1.0287	2439.484	2440.512	---	PASS
		2480	1.0281	2479.477	2480.505	---	PASS
BLE_2M	Ant1	2402	2.0665	2400.974	2403.040	---	PASS
		2440	2.0698	2438.973	2441.042	---	PASS
		2480	2.0515	2478.982	2481.034	---	PASS

Test Graphs





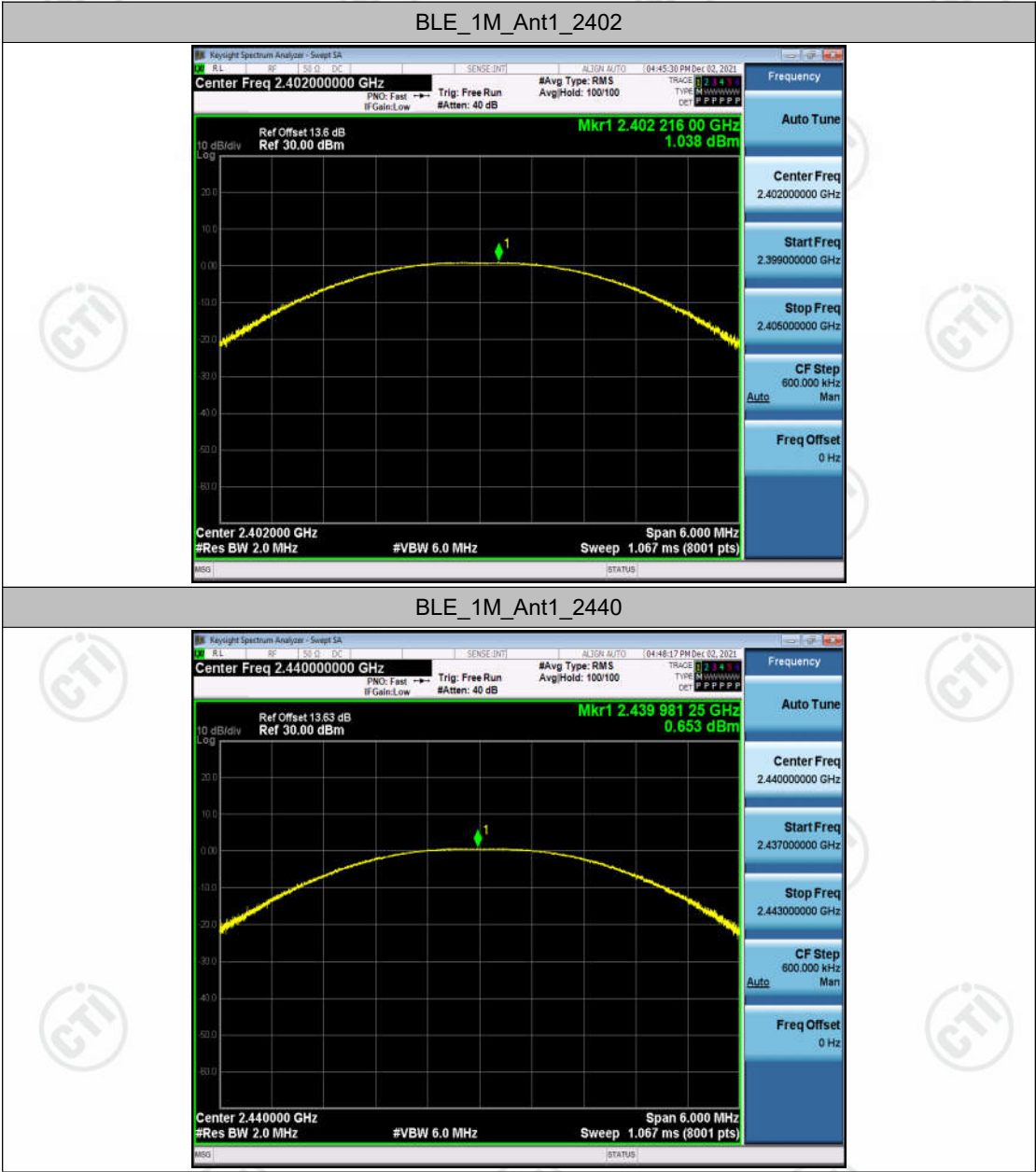


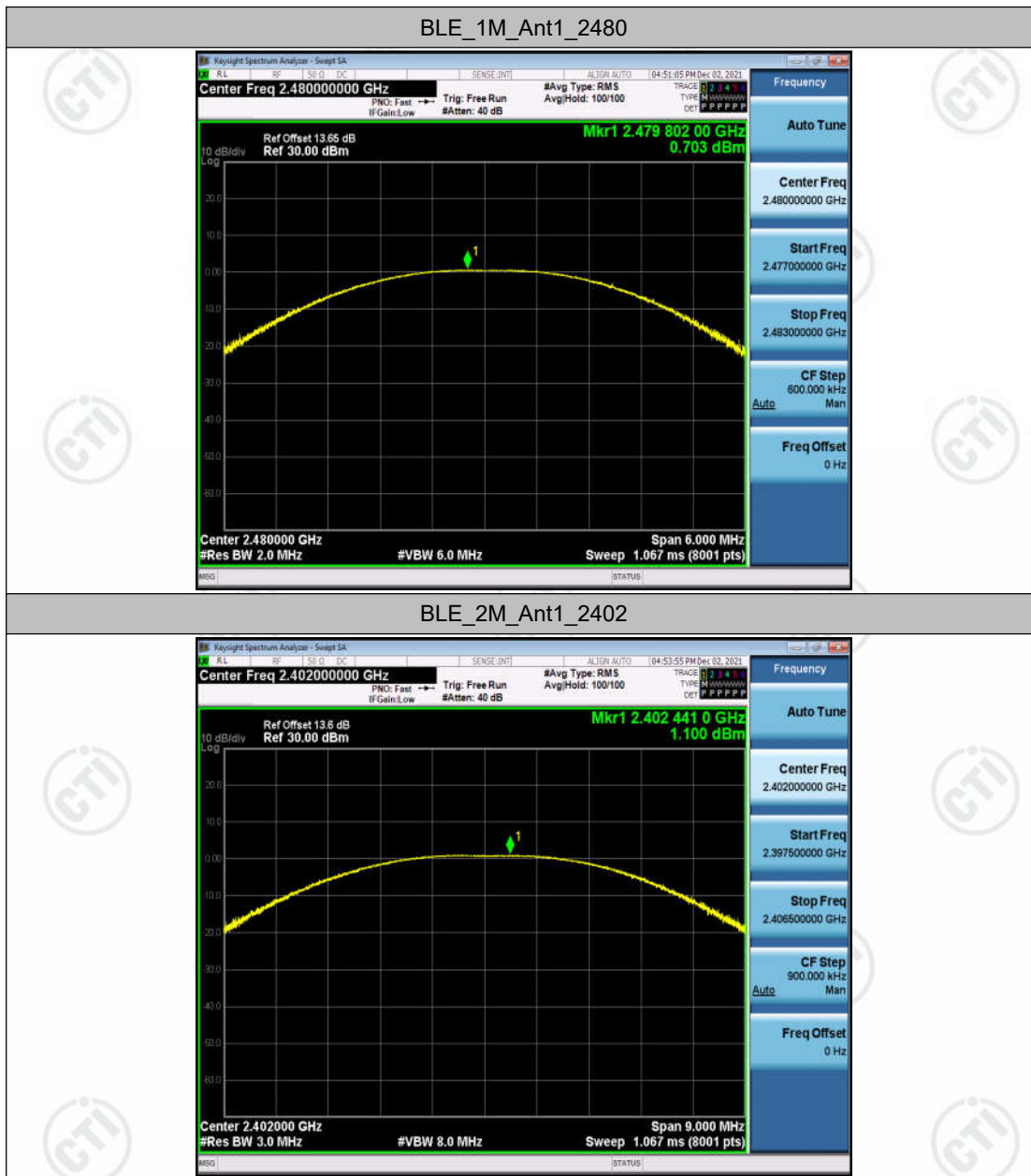
Appendix C: Maximum conducted output power

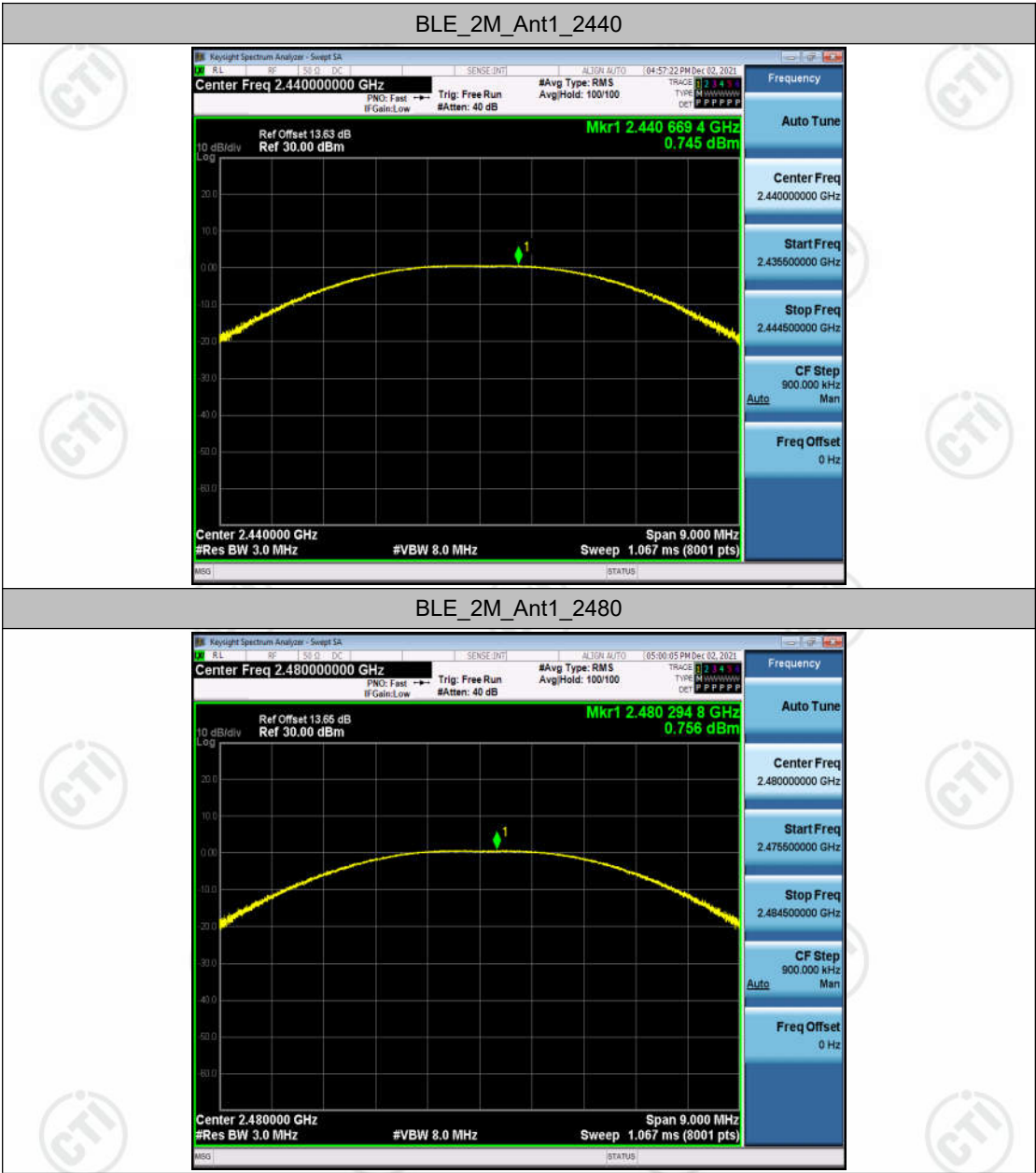
Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.04	<=30	PASS
		2440	0.65	<=30	PASS
		2480	0.7	<=30	PASS
BLE_2M	Ant1	2402	1.1	<=30	PASS
		2440	0.75	<=30	PASS
		2480	0.76	<=30	PASS

Test Graphs





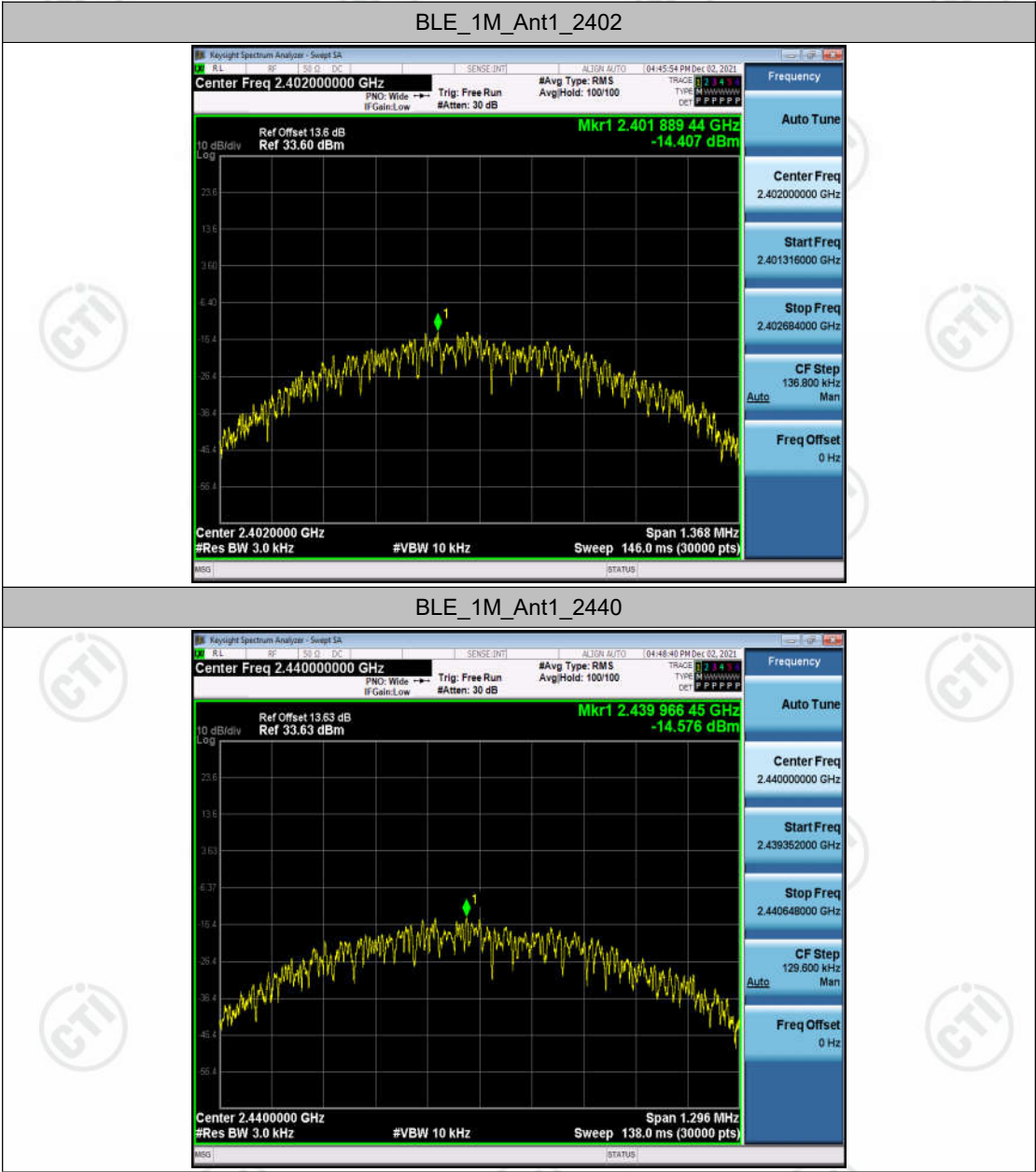


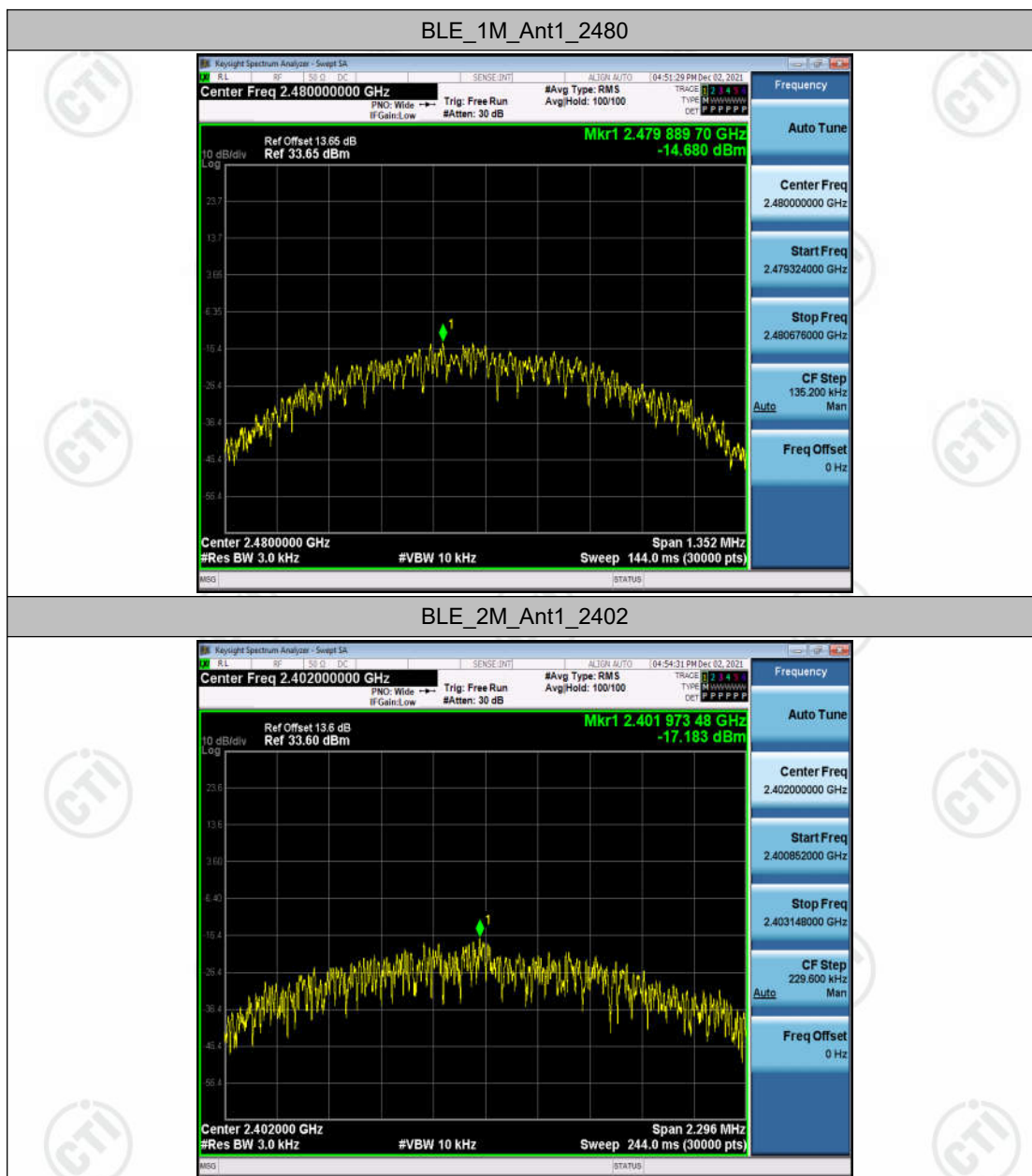
Appendix D: Maximum power spectral density

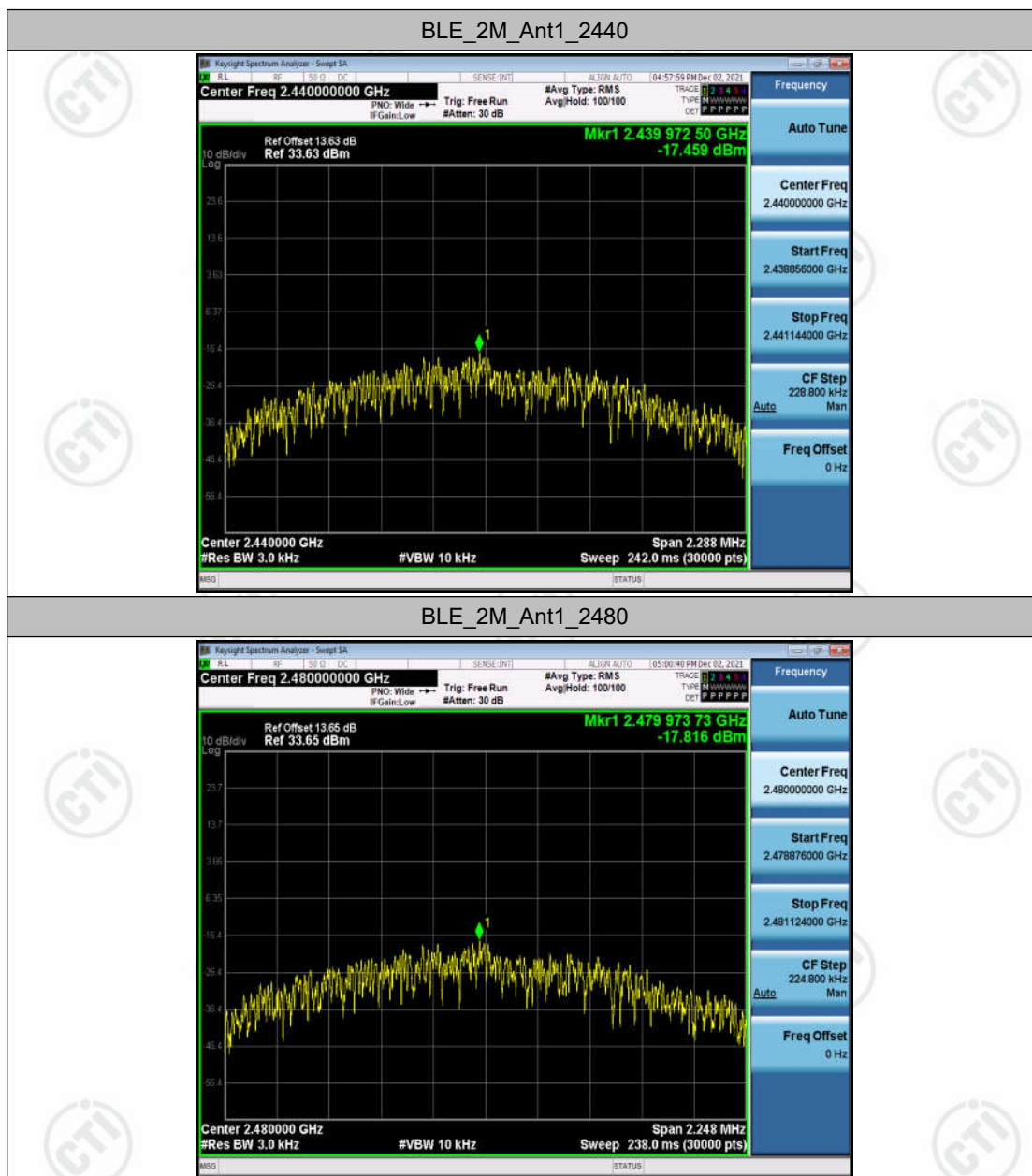
Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.41	<=8	PASS
		2440	-14.58	<=8	PASS
		2480	-14.68	<=8	PASS
BLE_2M	Ant1	2402	-17.18	<=8	PASS
		2440	-17.46	<=8	PASS
		2480	-17.82	<=8	PASS

Test Graphs





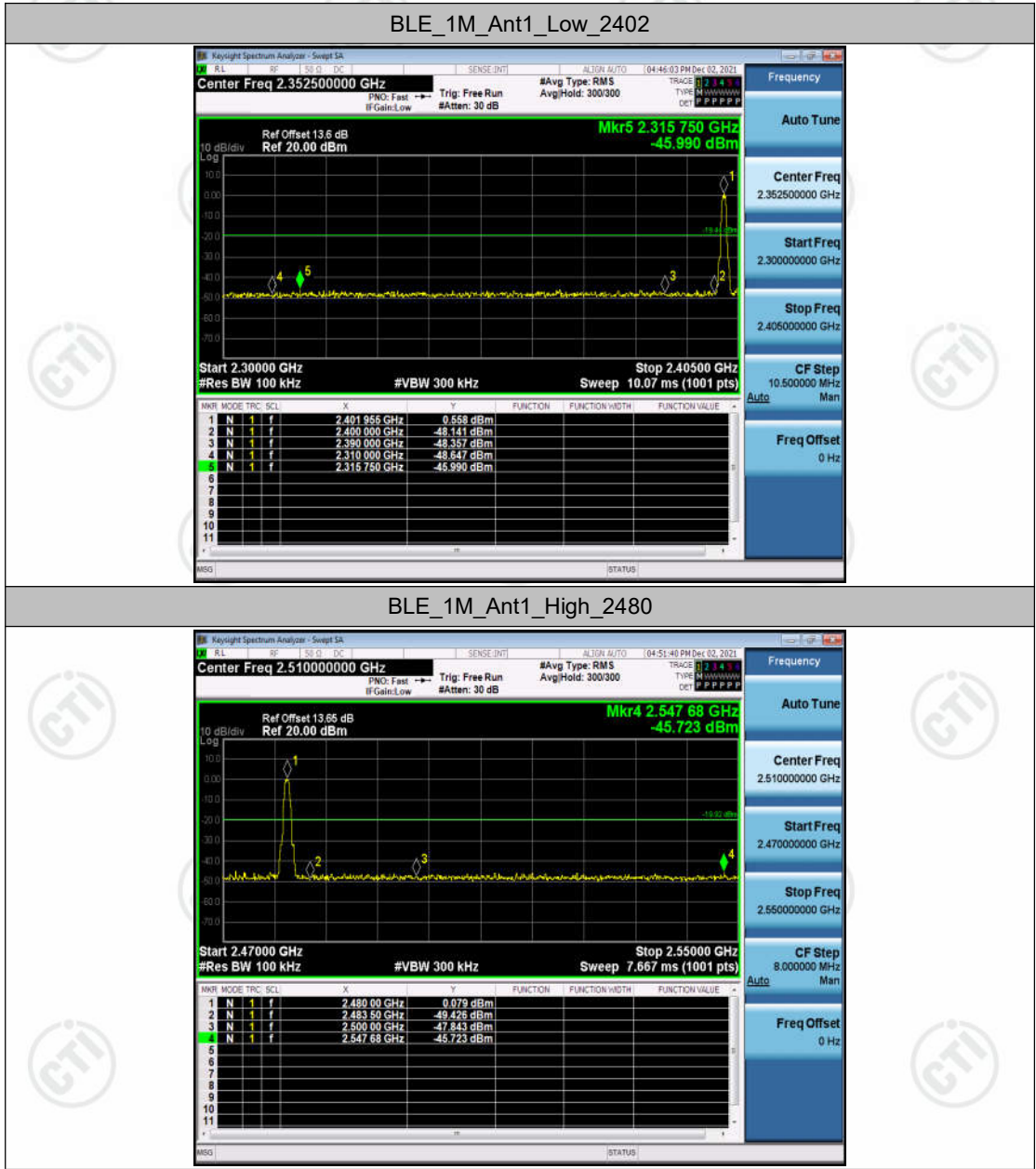


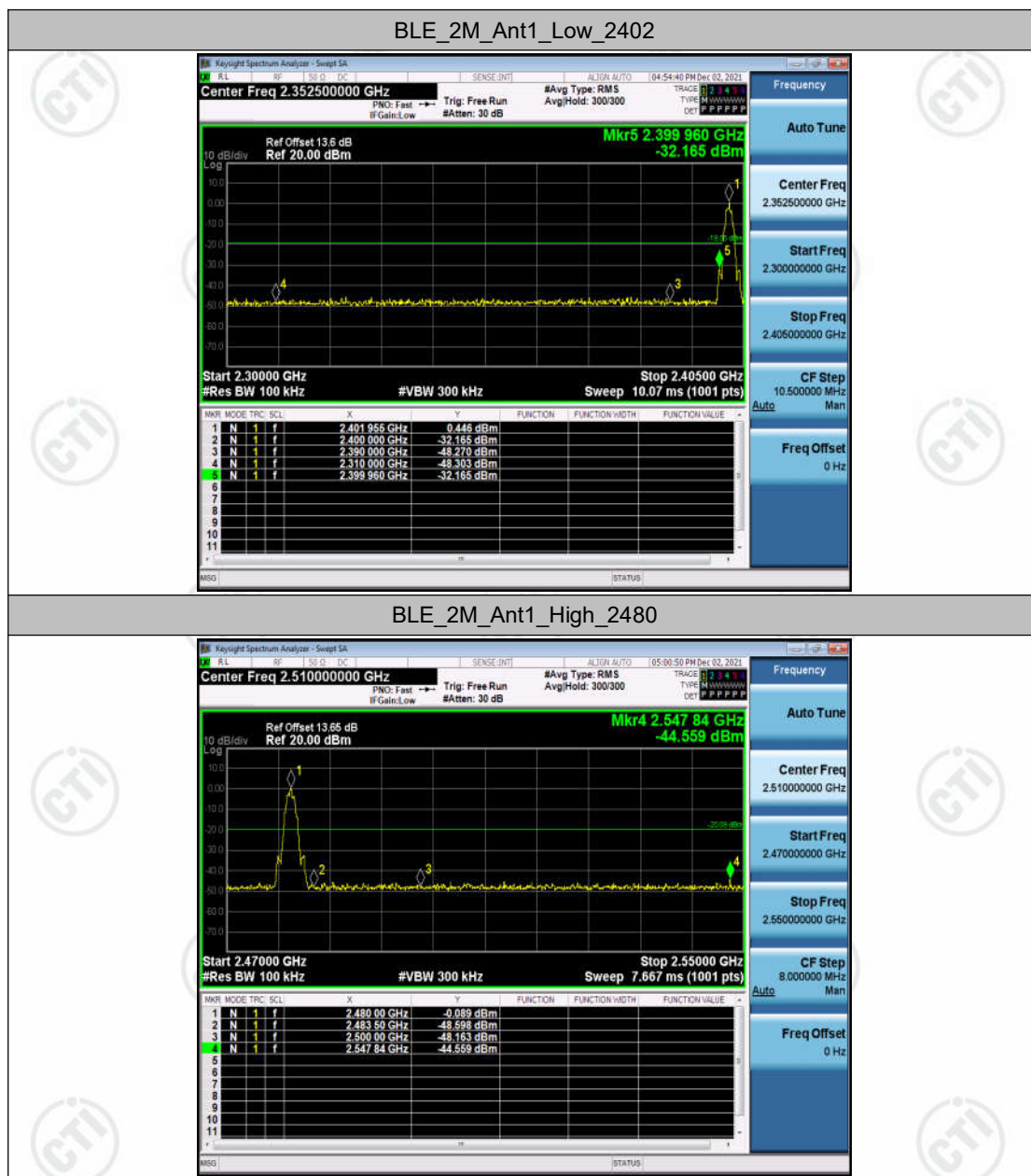
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.56	-45.99	<=-19.44	PASS
		High	2480	0.08	-45.72	<=-19.92	PASS
BLE_2M	Ant1	Low	2402	0.45	-32.17	<=-19.55	PASS
		High	2480	-0.09	-44.56	<=-20.09	PASS

Test Graphs



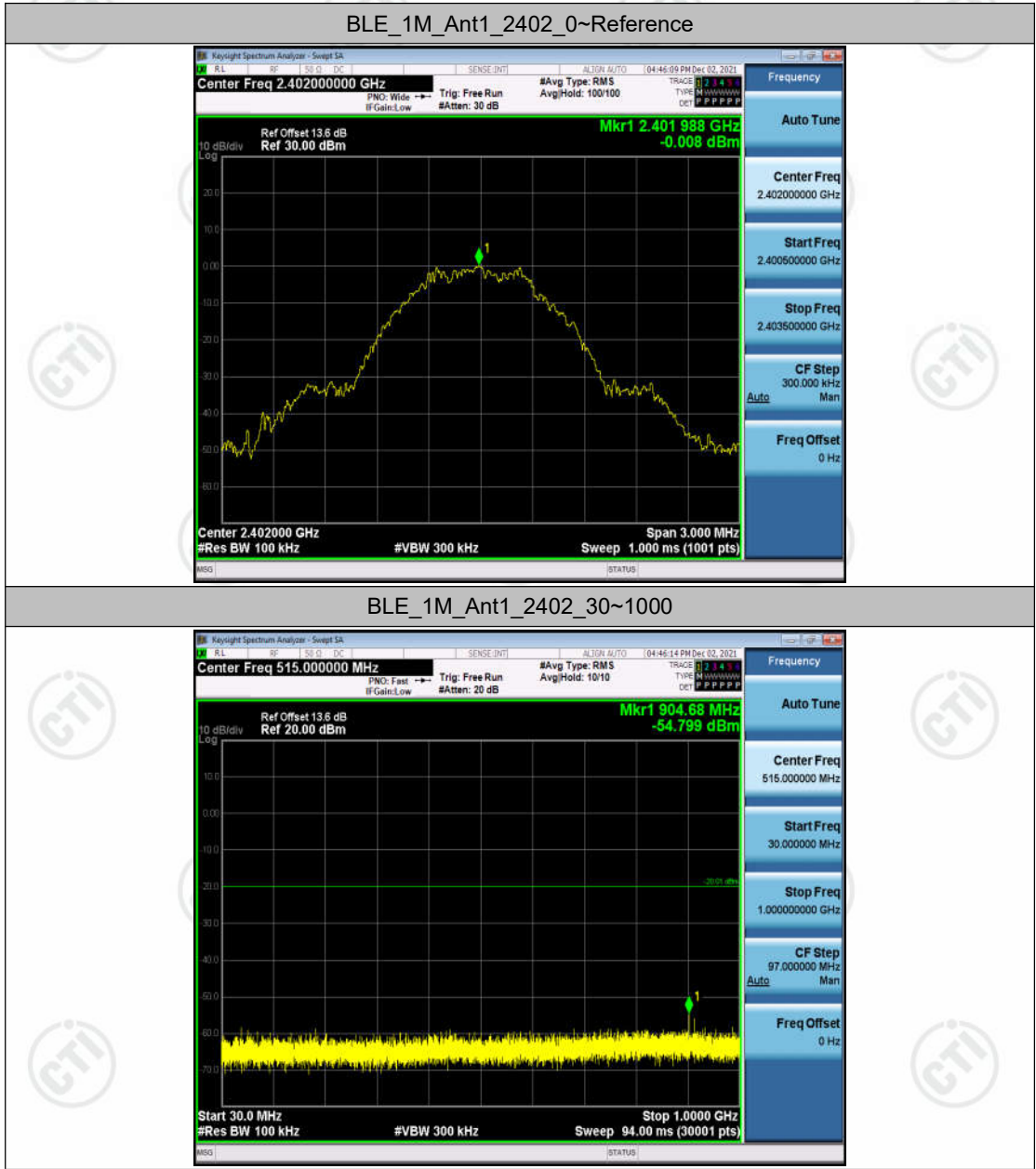


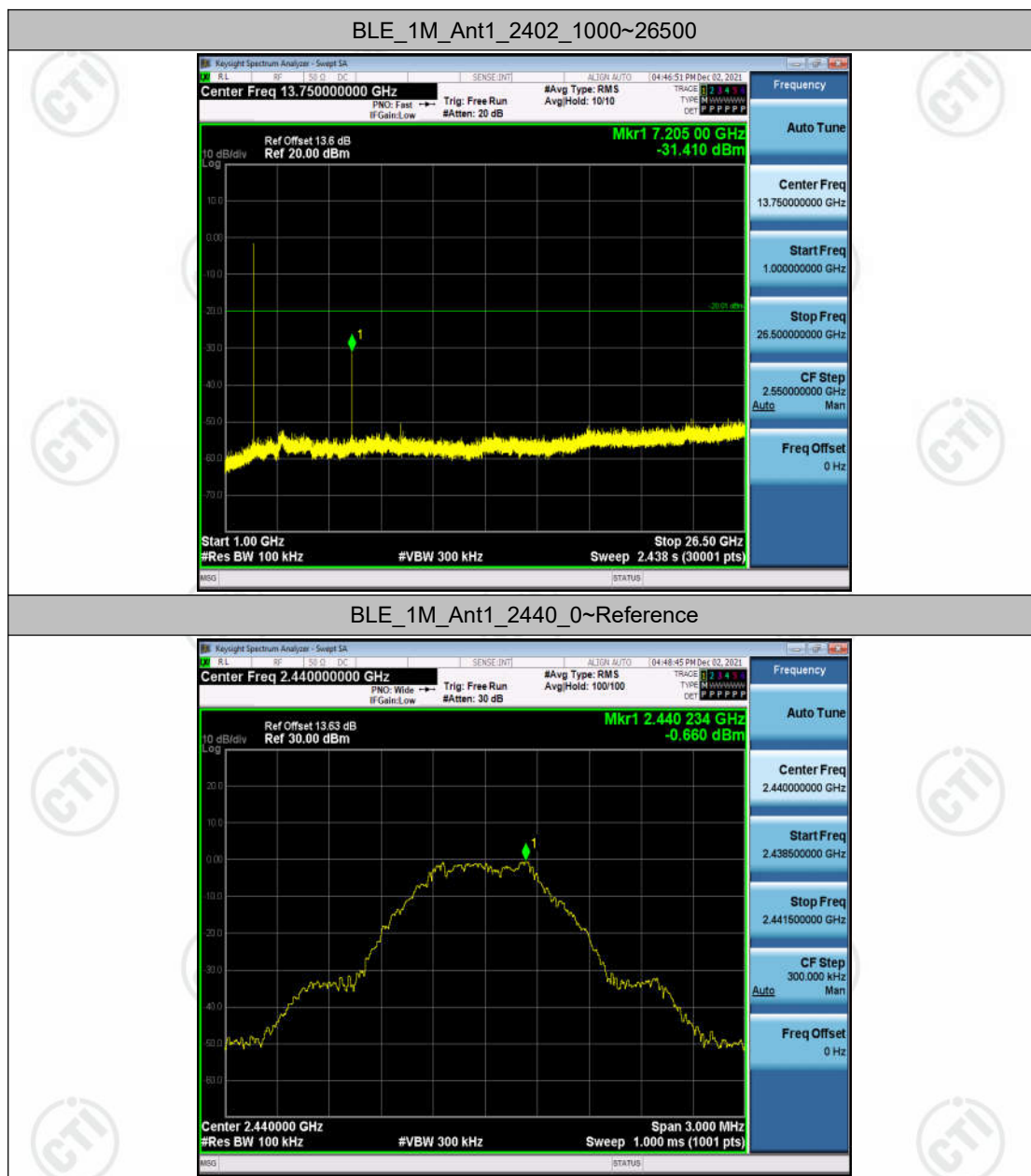
Appendix F: Conducted Spurious Emission

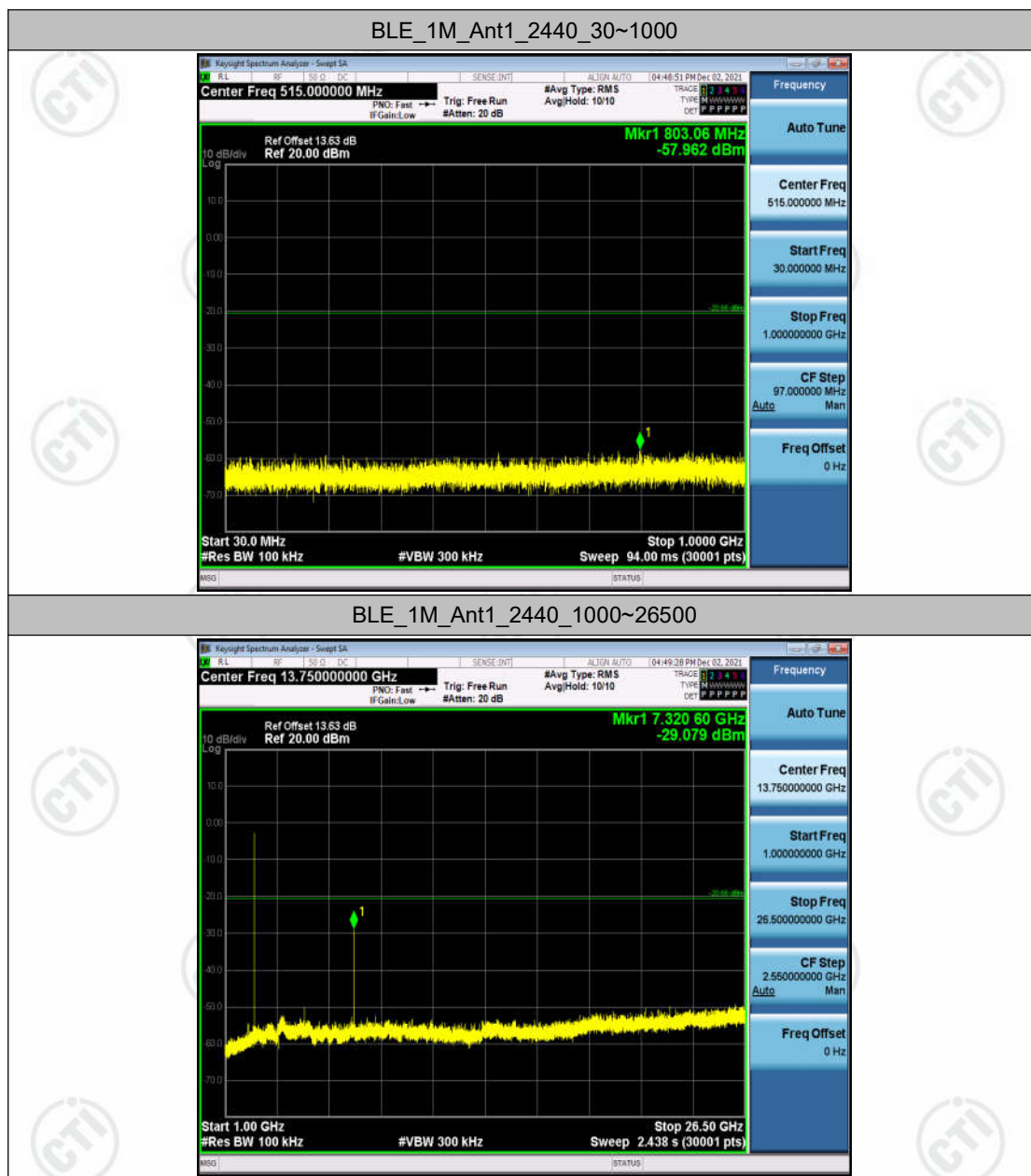
Test Result

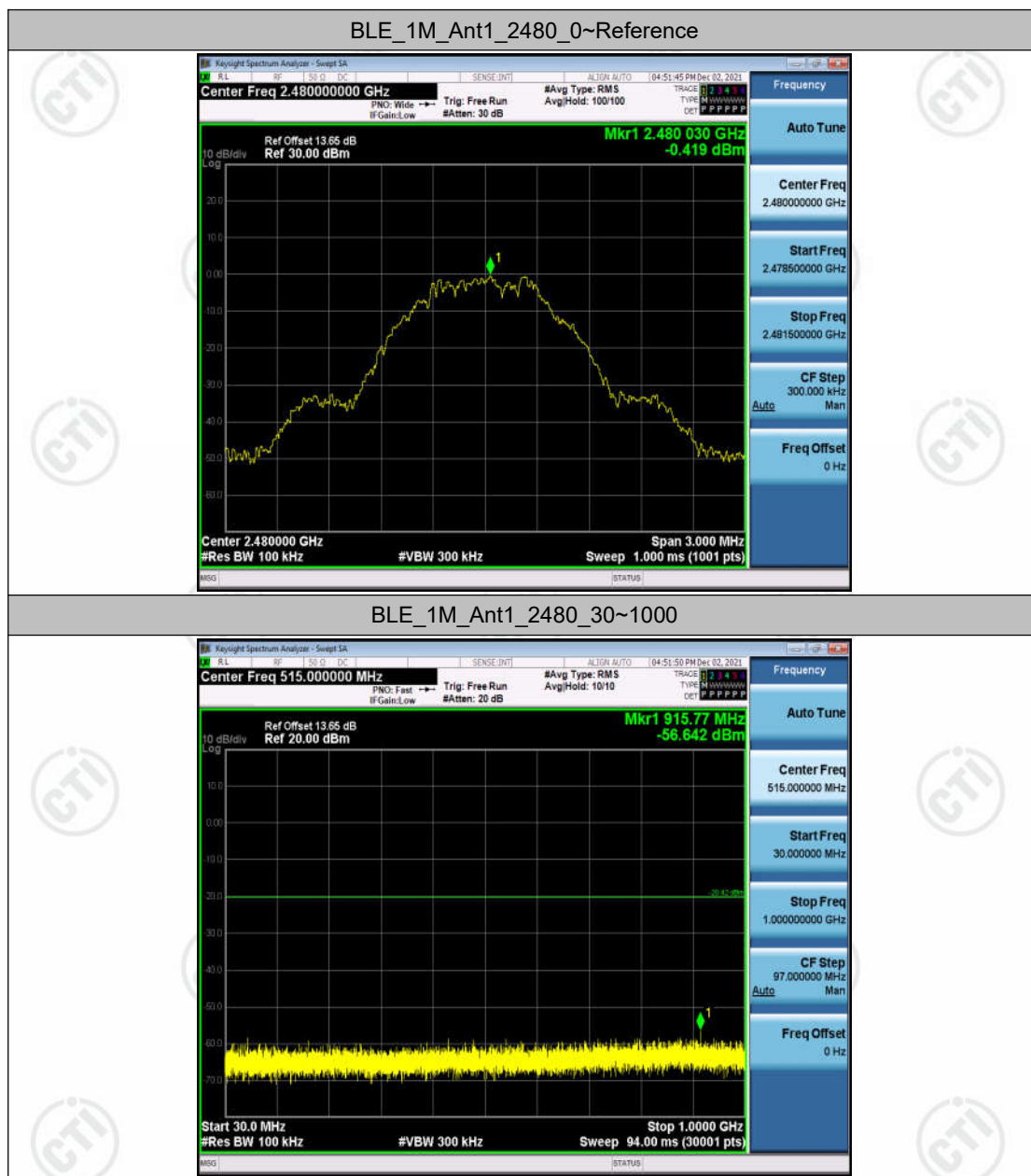
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.01	-0.01	---	PASS
			30~1000	---	-54.799	<=-20.008	PASS
			1000~26500	---	-31.41	<=-20.008	PASS
		2440	Reference	-0.66	-0.66	---	PASS
			30~1000	---	-57.962	<=-20.66	PASS
			1000~26500	---	-29.079	<=-20.66	PASS
		2480	Reference	-0.42	-0.42	---	PASS
			30~1000	---	-56.642	<=-20.419	PASS
			1000~26500	---	-30.705	<=-20.419	PASS
BLE_2M	Ant1	2402	Reference	0.01	0.01	---	PASS
			30~1000	---	-57.193	<=-19.992	PASS
			1000~26500	---	-34.489	<=-19.992	PASS
		2440	Reference	-0.47	-0.47	---	PASS
			30~1000	---	-55.588	<=-20.468	PASS
			1000~26500	---	-30.188	<=-20.468	PASS
		2480	Reference	-0.47	-0.47	---	PASS
			30~1000	---	-57.38	<=-20.474	PASS
			1000~26500	---	-33.538	<=-20.474	PASS

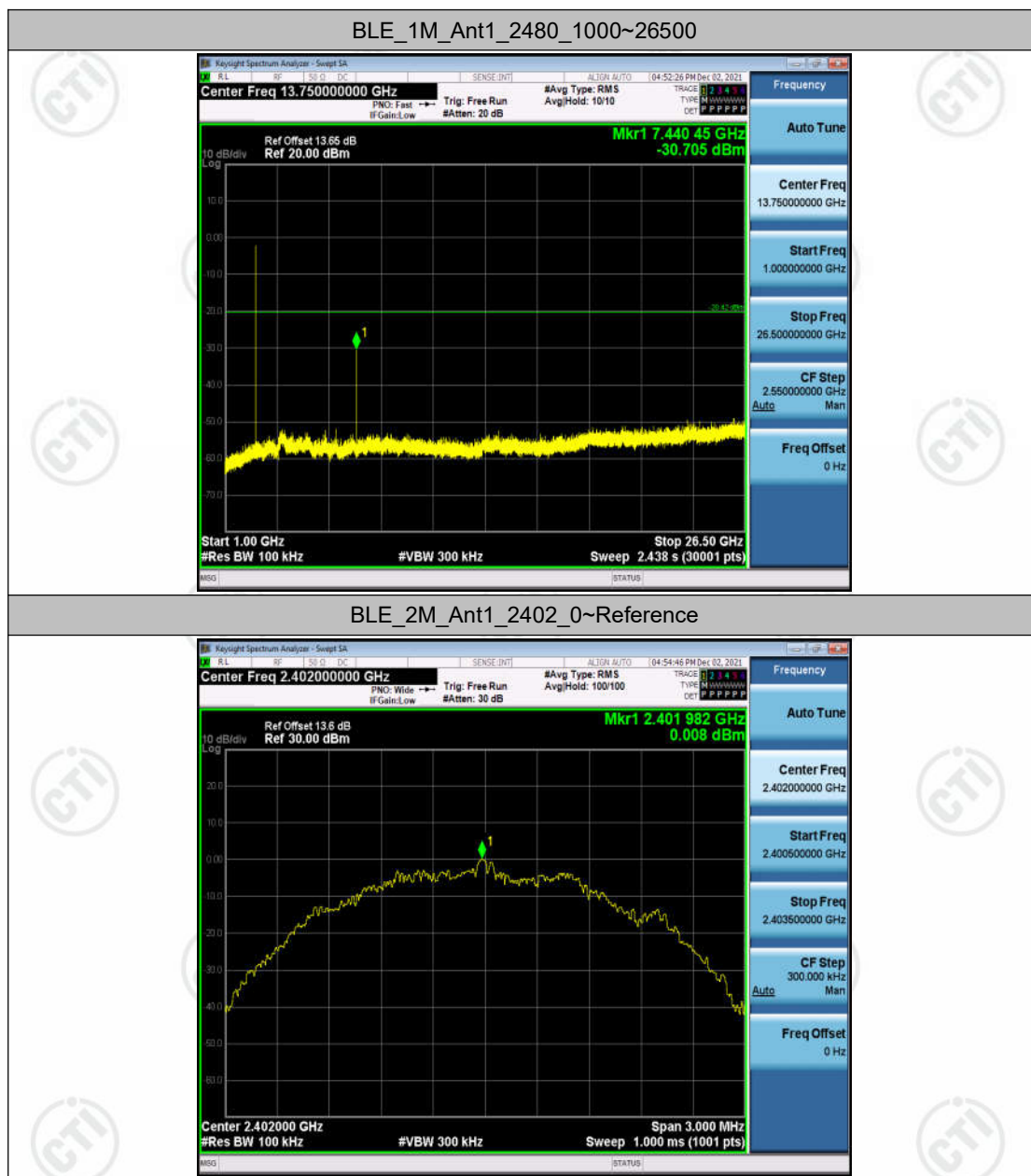
Test Graphs

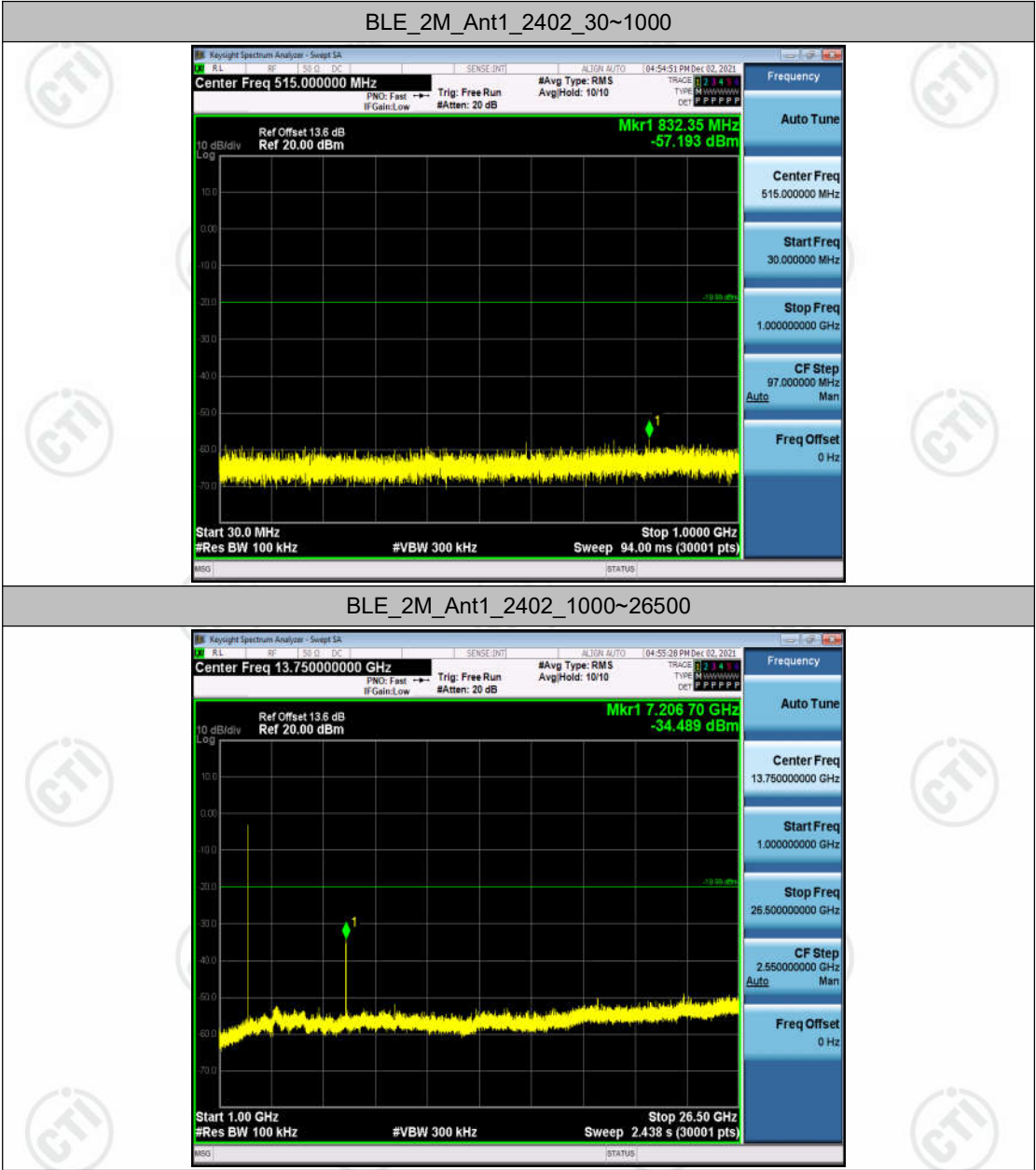


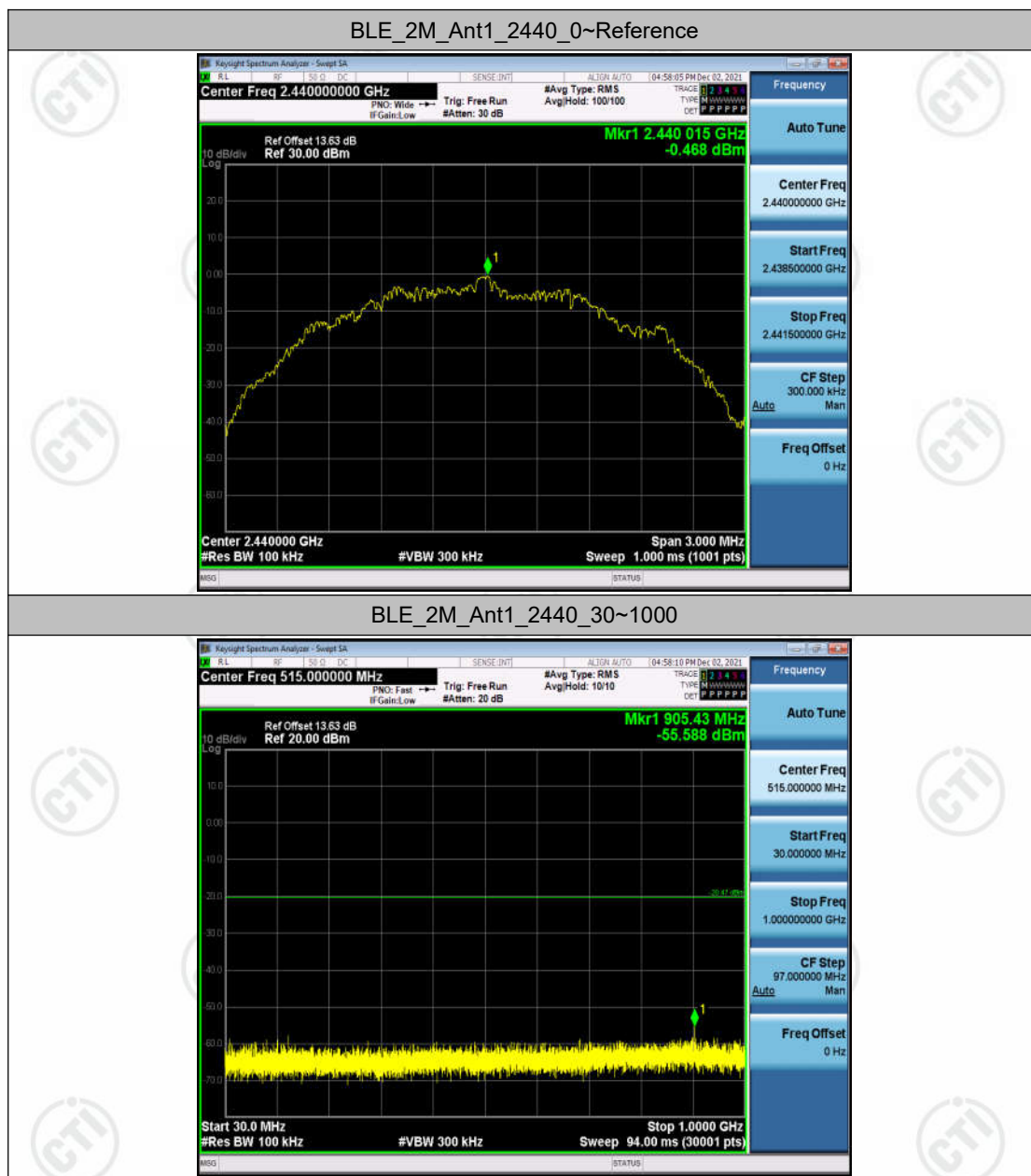


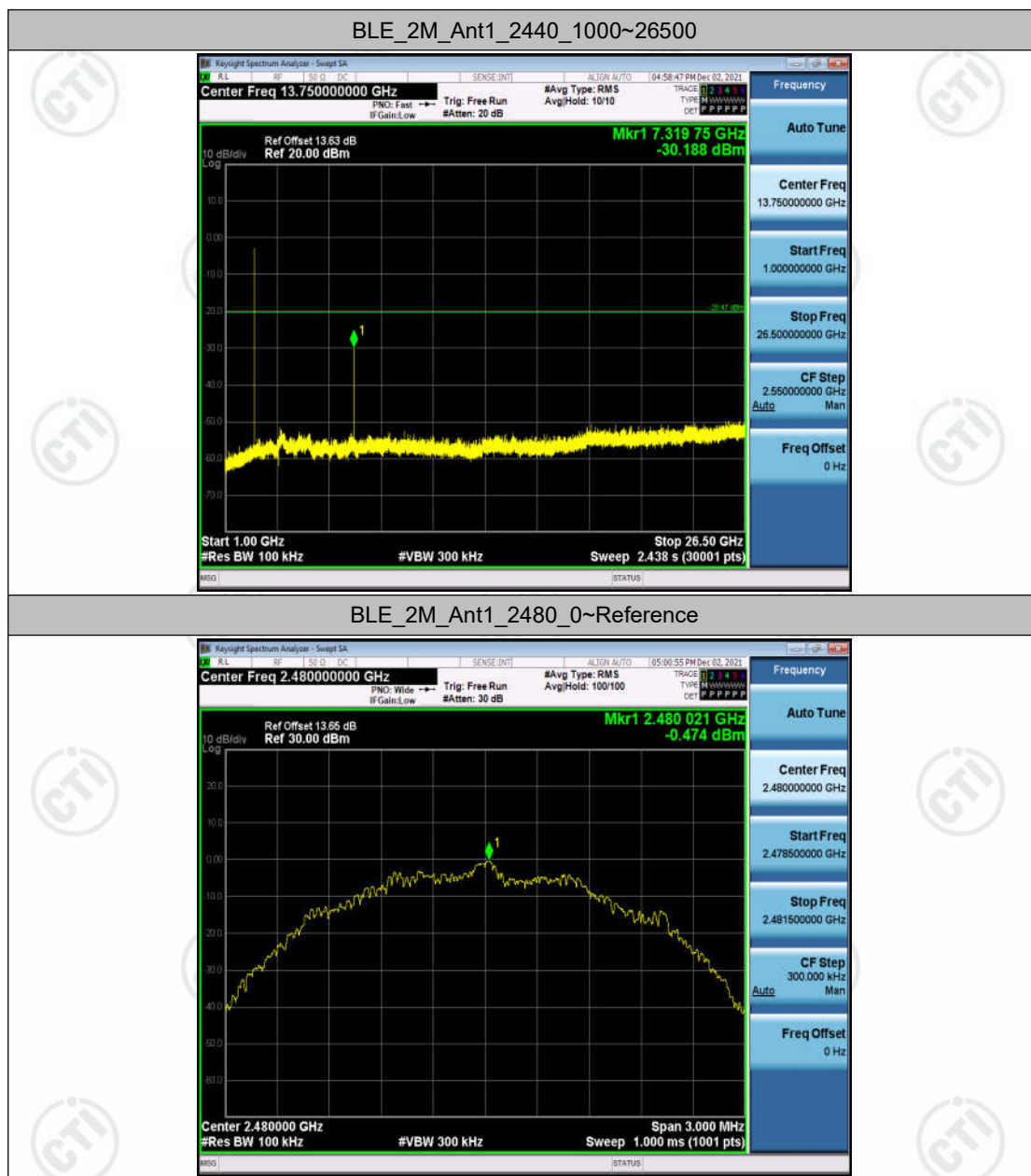


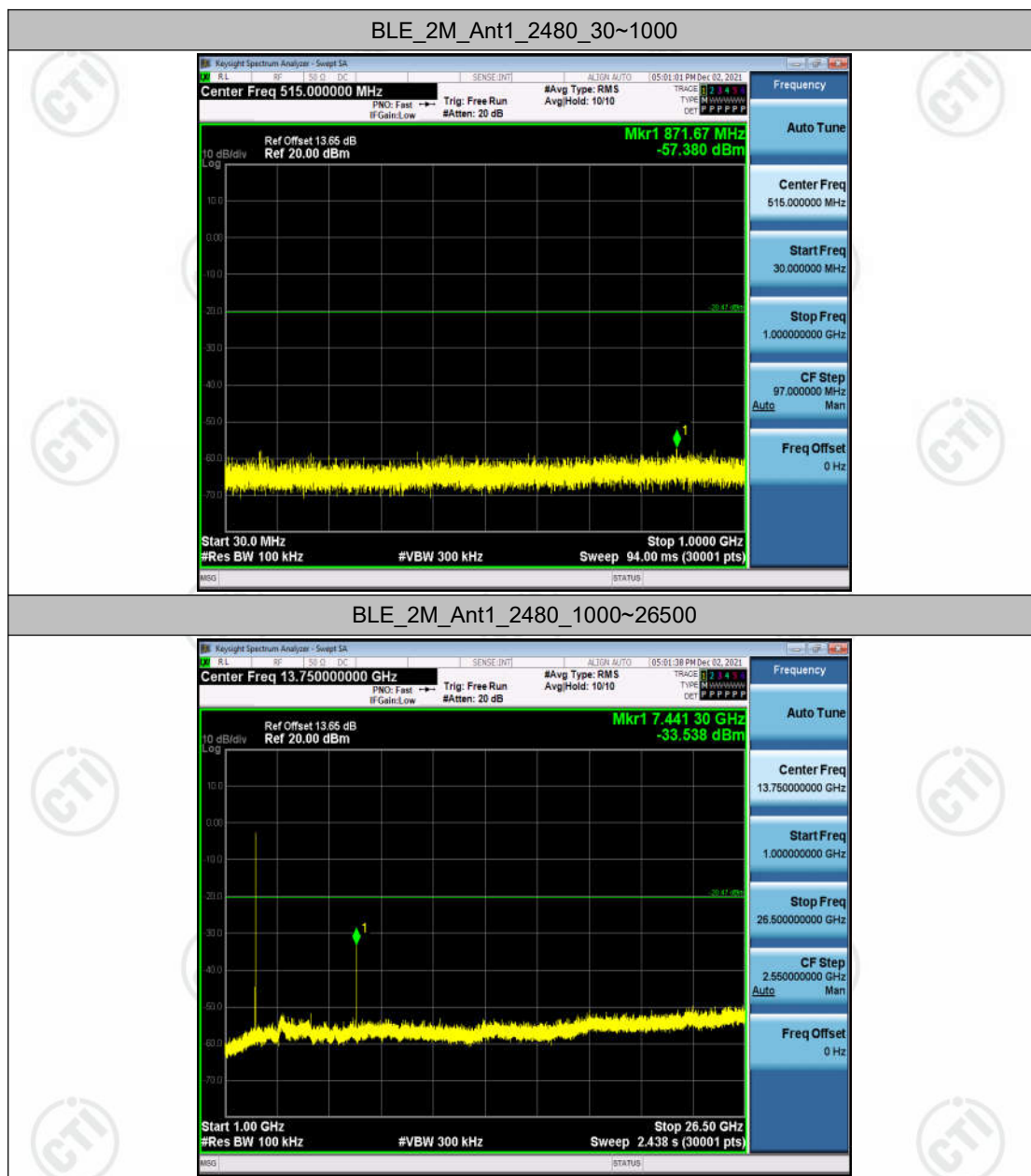










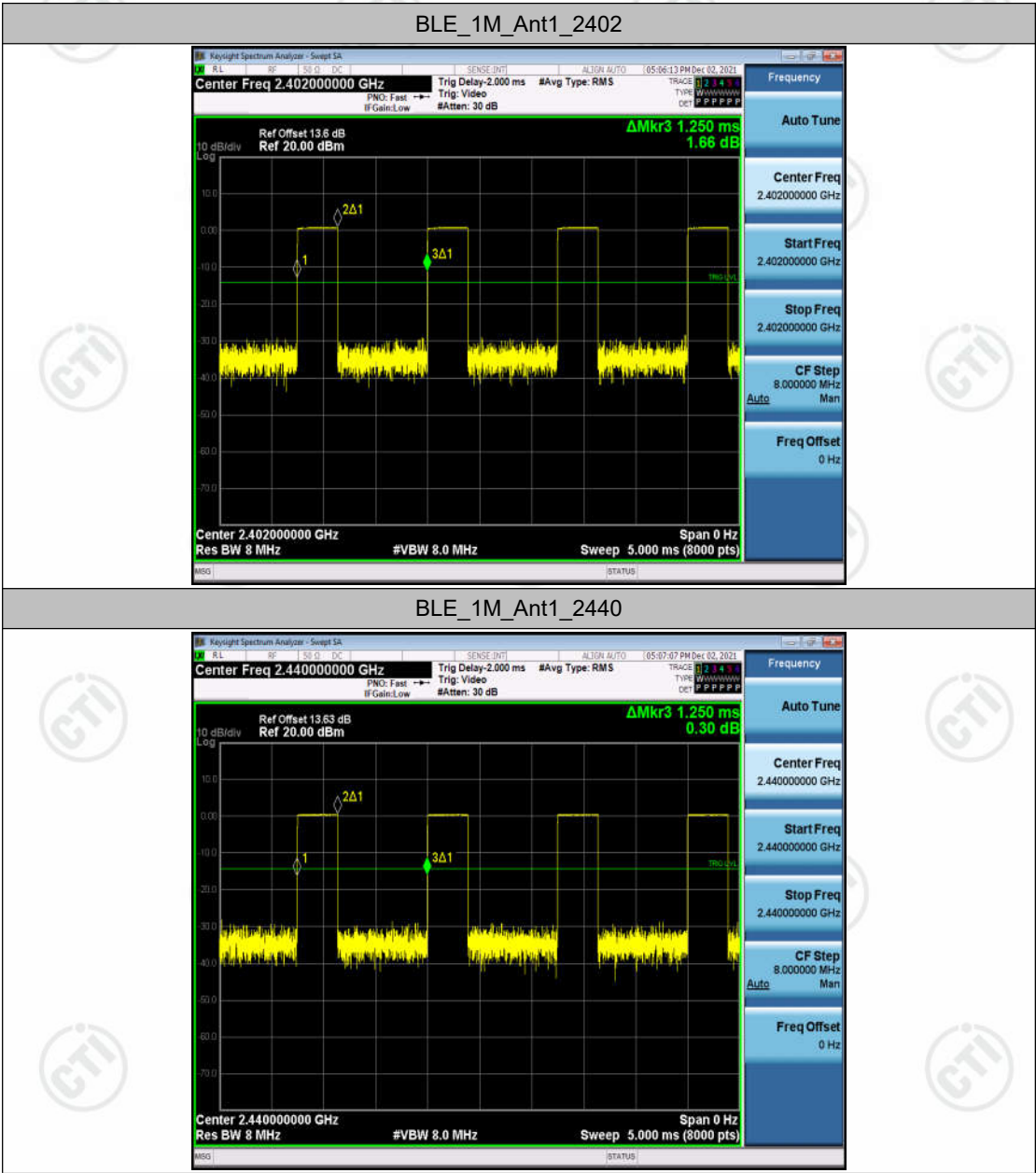


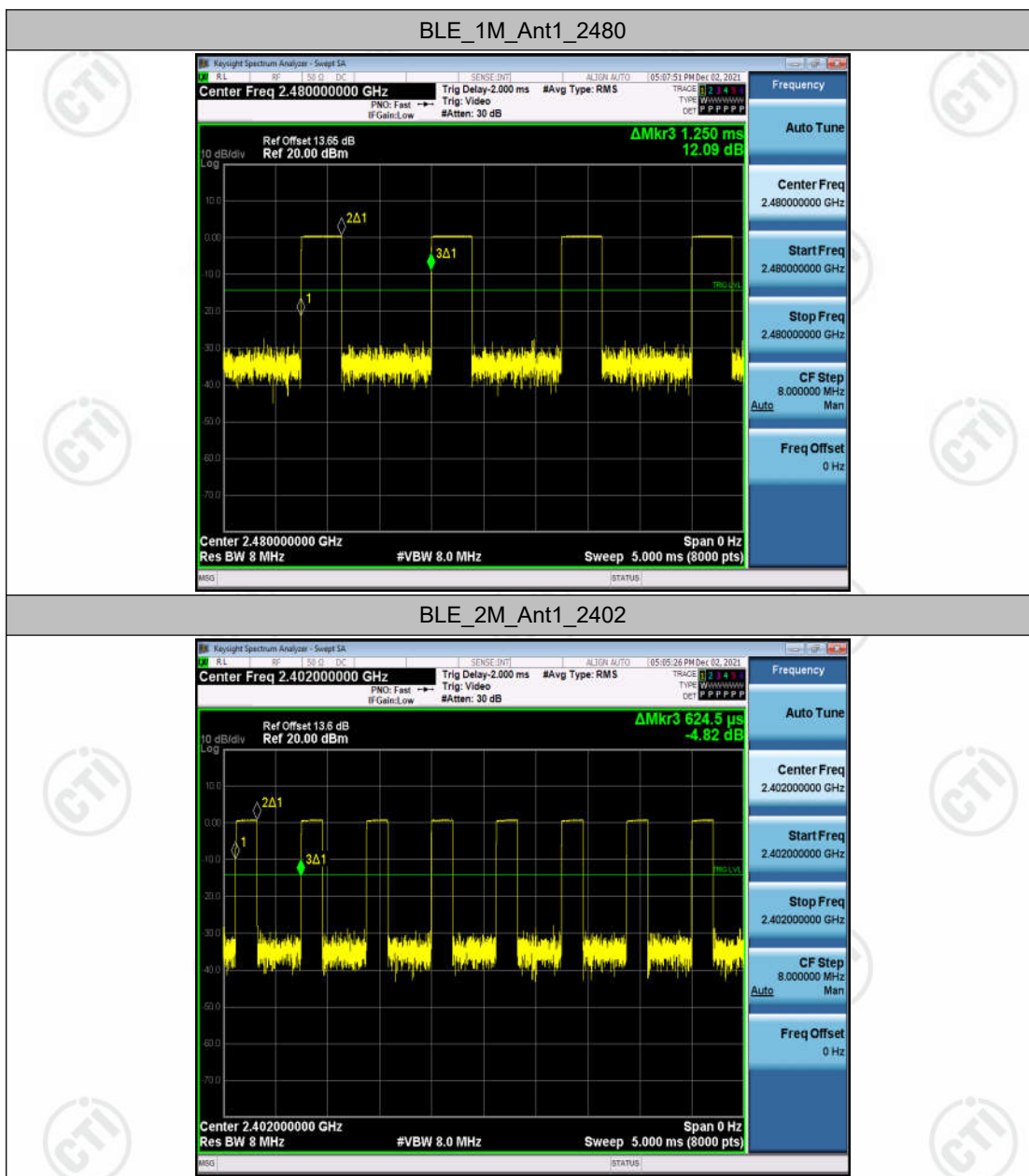
Appendix G: Duty Cycle

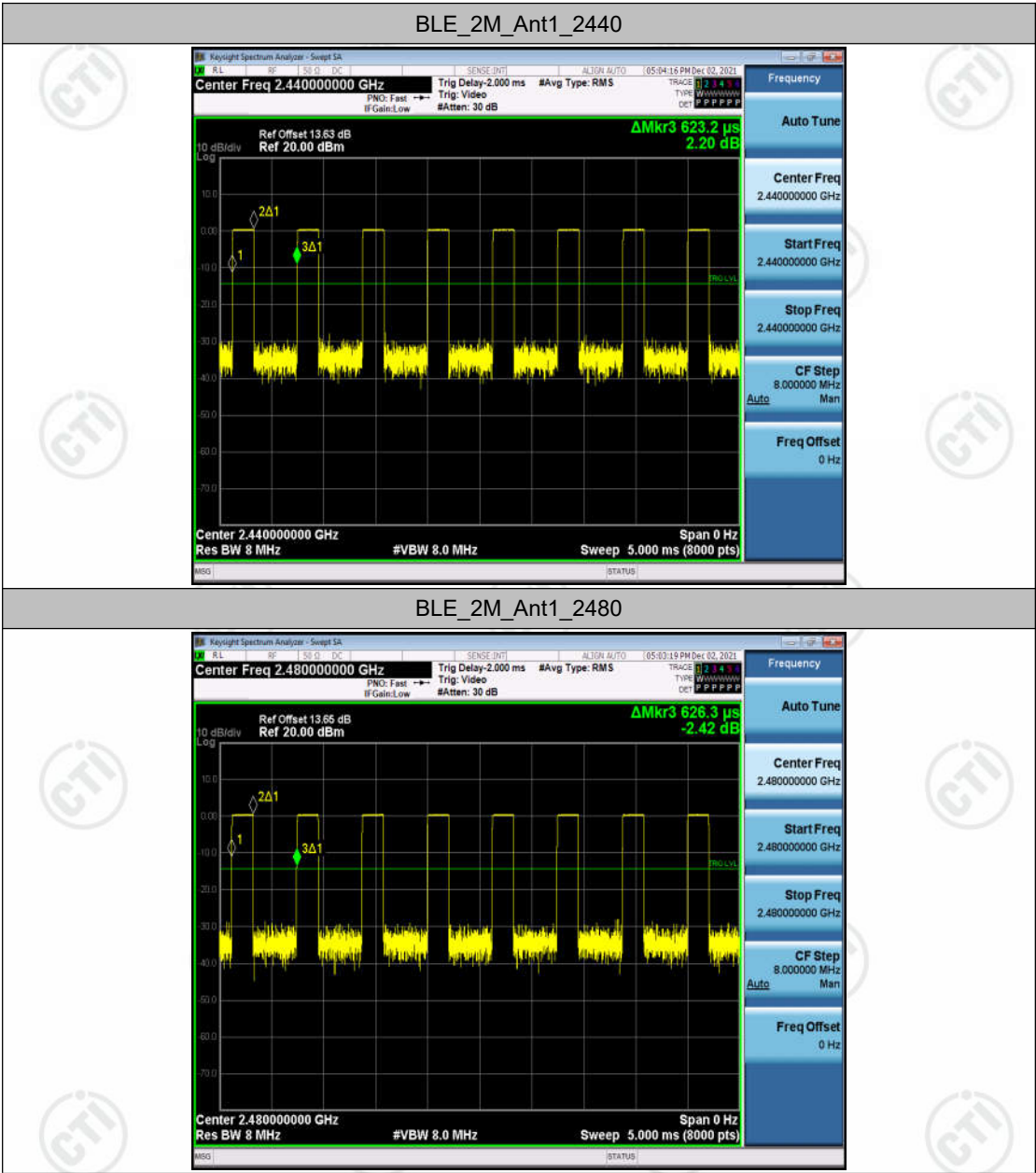
Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.39	1.25	31.22	---	PASS
		2440	0.39	1.25	31.27	---	PASS
		2480	0.39	1.25	31.25	---	PASS
BLE_2M	Ant1	2402	0.21	0.62	32.93	---	PASS
		2440	0.21	0.62	33.10	---	PASS
		2480	0.21	0.63	32.93	---	PASS

Test Graphs







*** End of Report ***