

Appendix: Bluetooth LE

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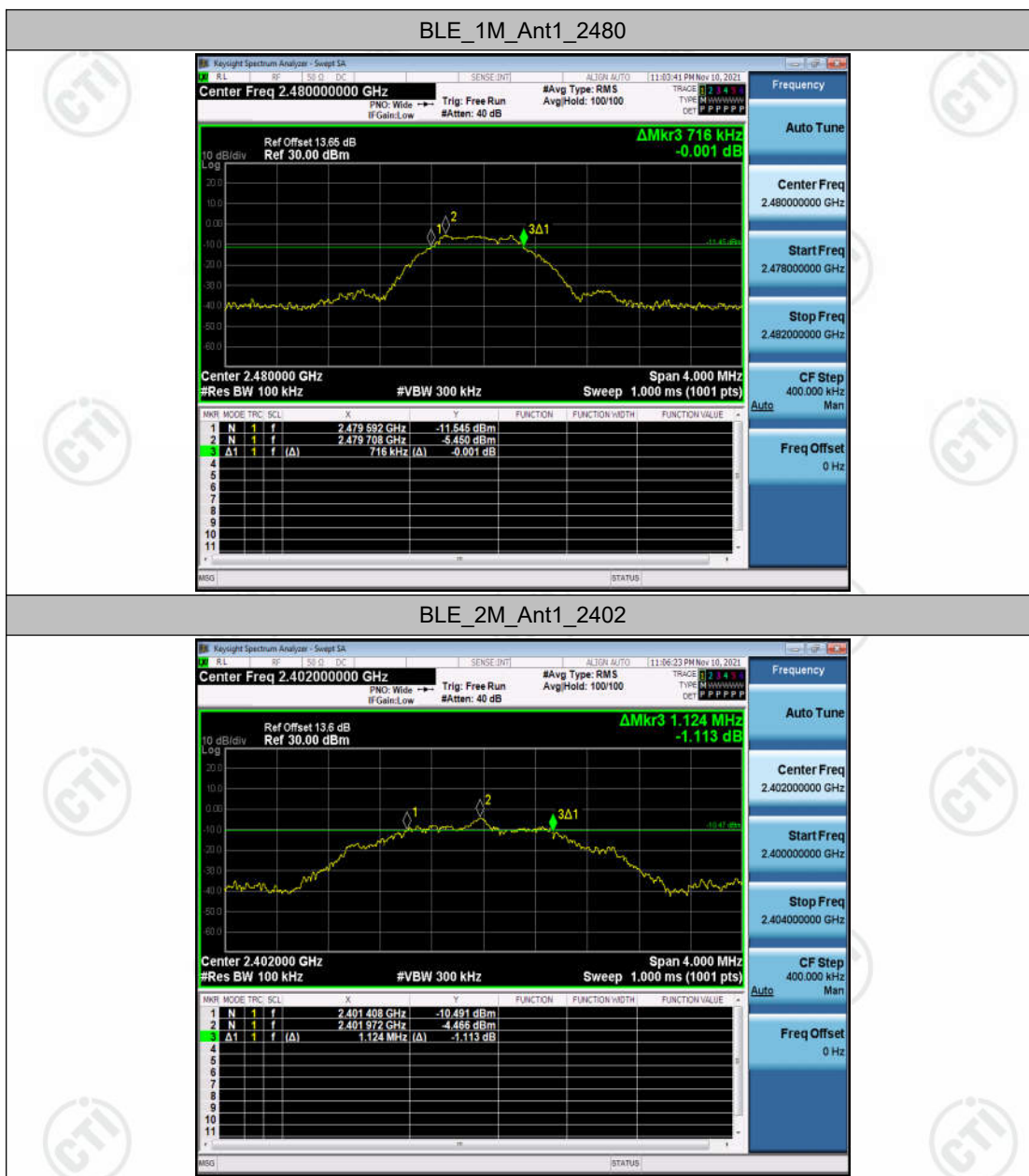
Appendix A: DTS Bandwidth

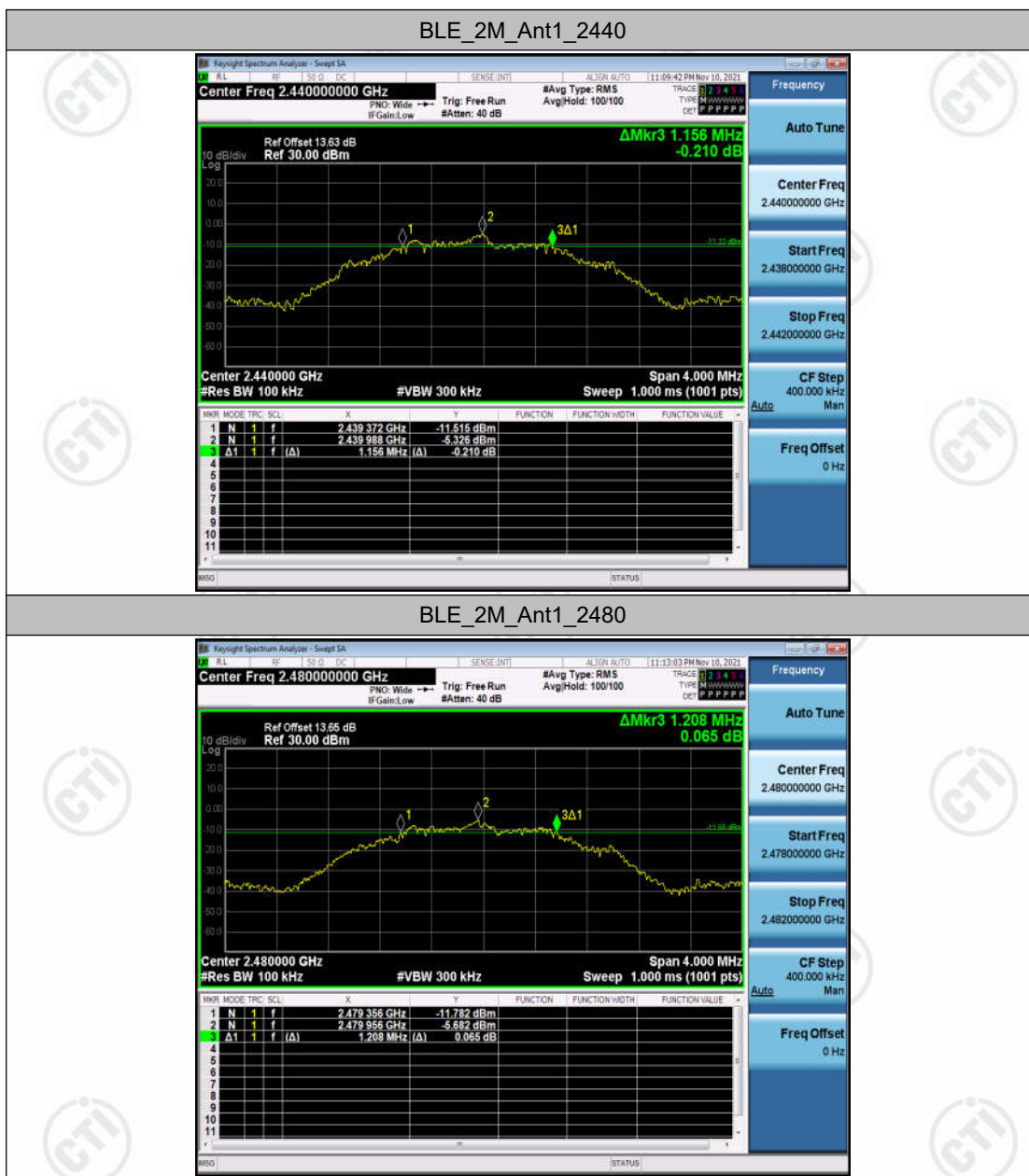
Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.680	2401.624	2402.304	0.5	PASS
		2440	0.688	2439.624	2440.312	0.5	PASS
		2480	0.716	2479.592	2480.308	0.5	PASS
BLE_2M	Ant1	2402	1.124	2401.408	2402.532	0.5	PASS
		2440	1.156	2439.372	2440.528	0.5	PASS
		2480	1.208	2479.356	2480.564	0.5	PASS

Test Graphs





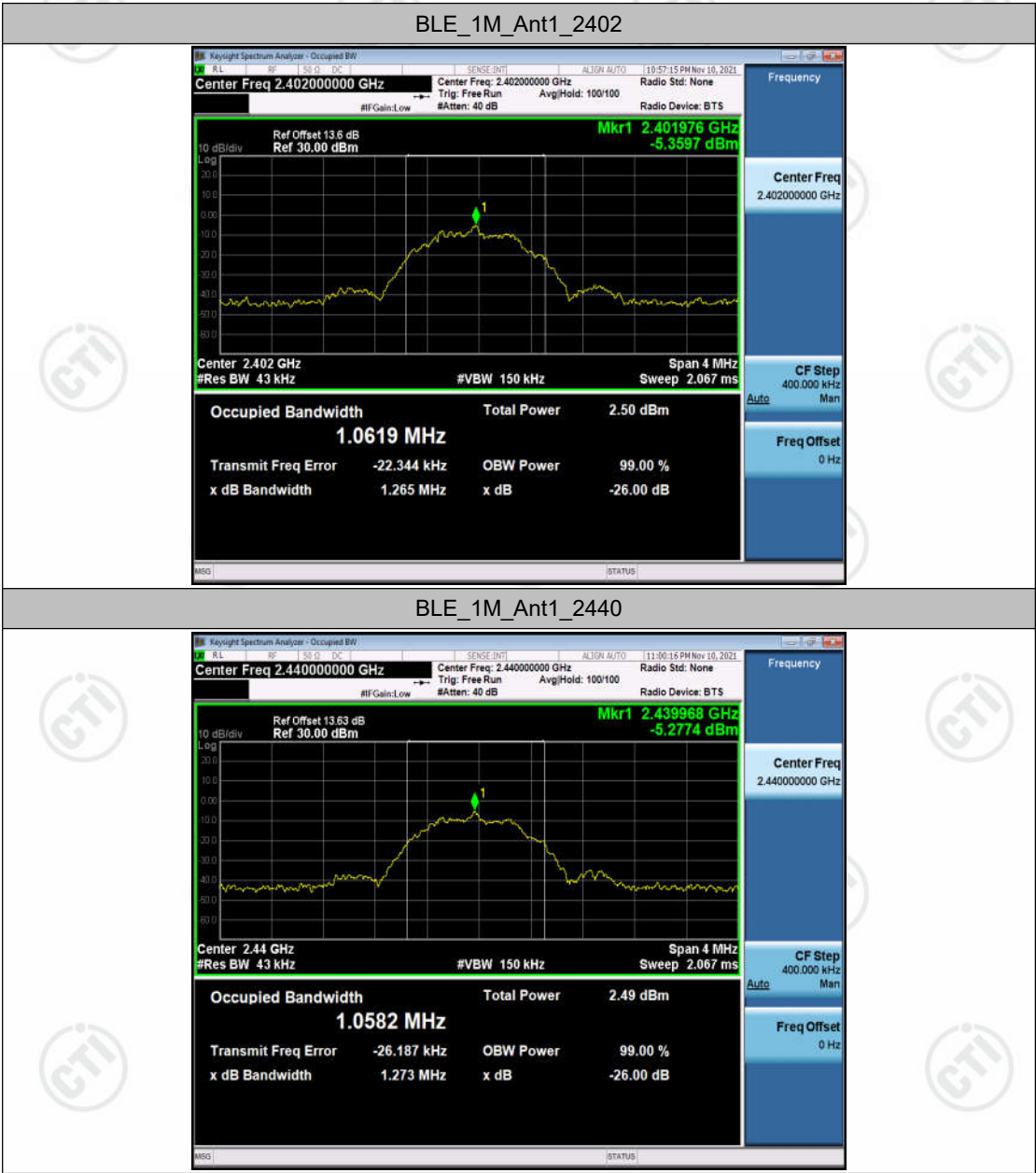


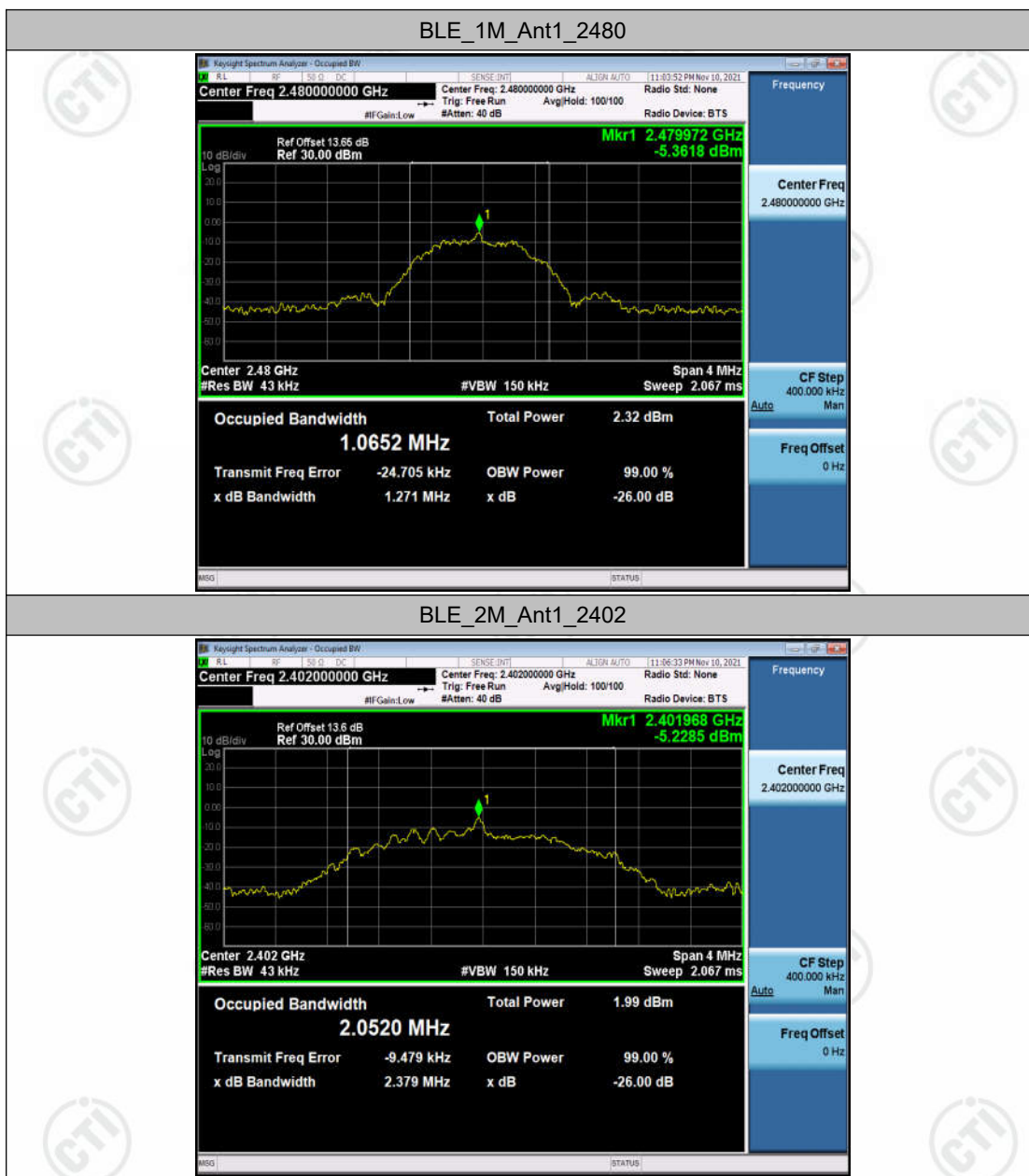
Appendix B: Occupied Channel Bandwidth

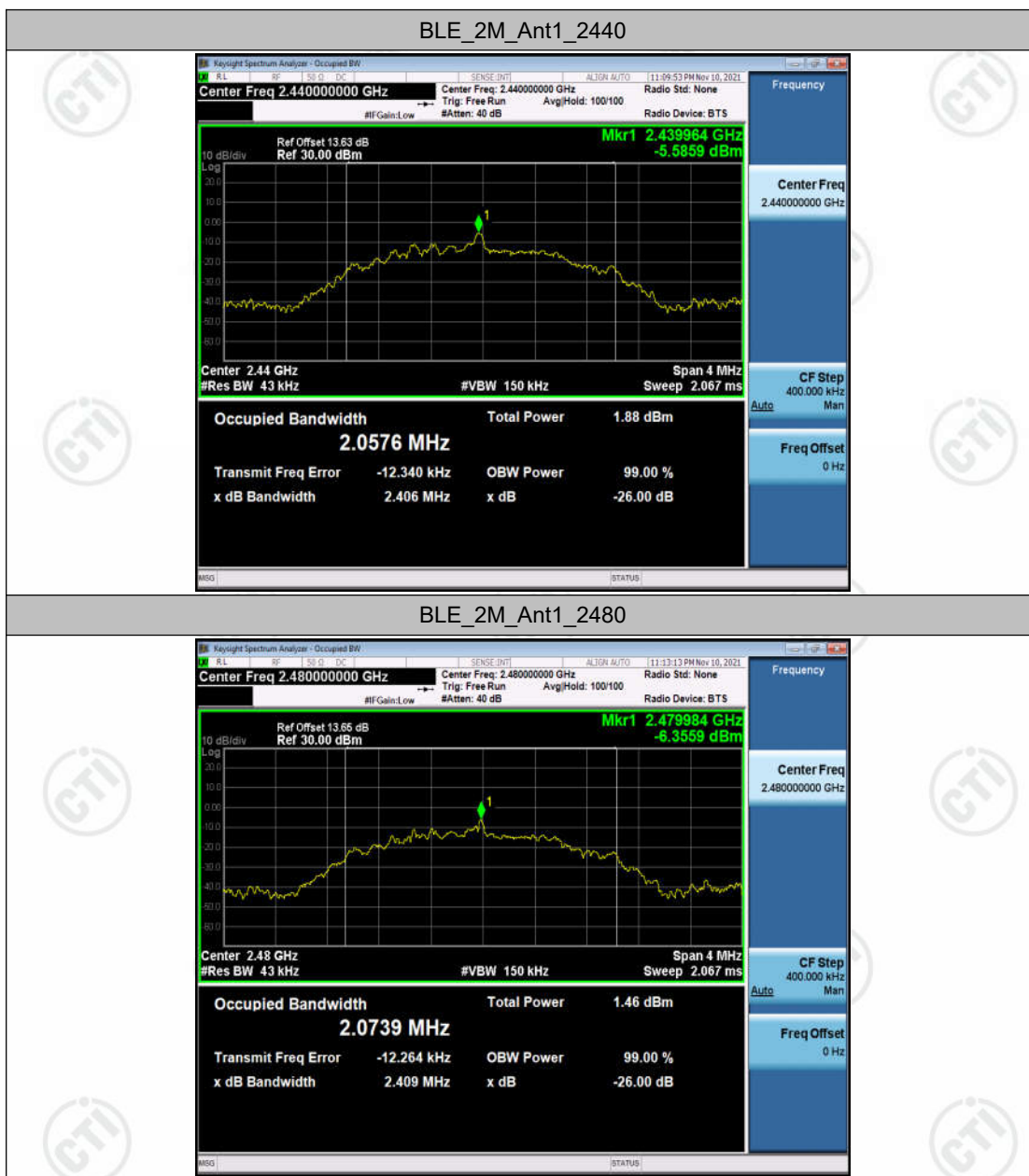
Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0619	2401.447	2402.509	---	PASS
		2440	1.0582	2439.445	2440.503	---	PASS
		2480	1.0652	2479.443	2480.508	---	PASS
BLE_2M	Ant1	2402	2.0520	2400.965	2403.017	---	PASS
		2440	2.0576	2438.959	2441.016	---	PASS
		2480	2.0739	2478.951	2481.025	---	PASS

Test Graphs





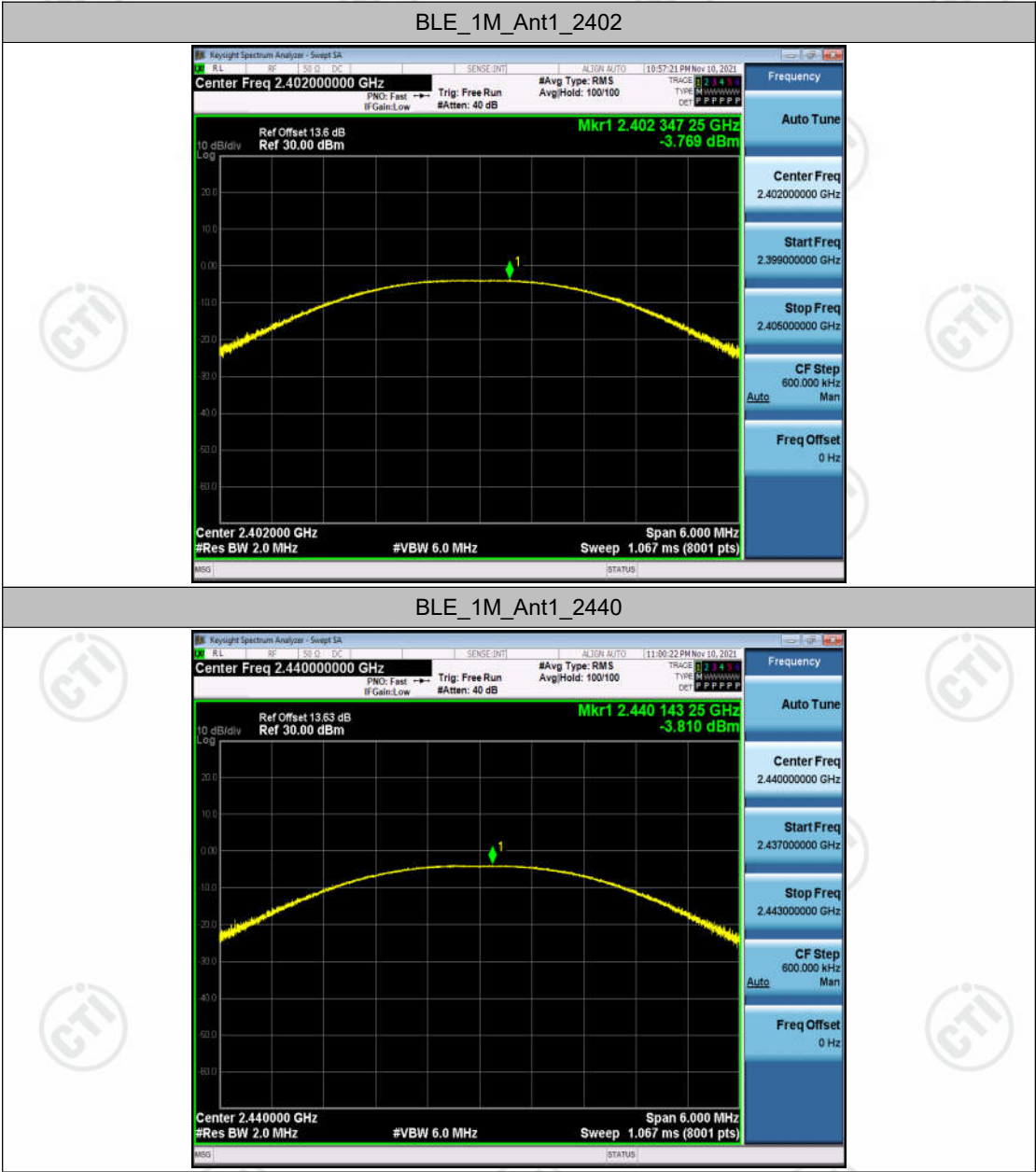


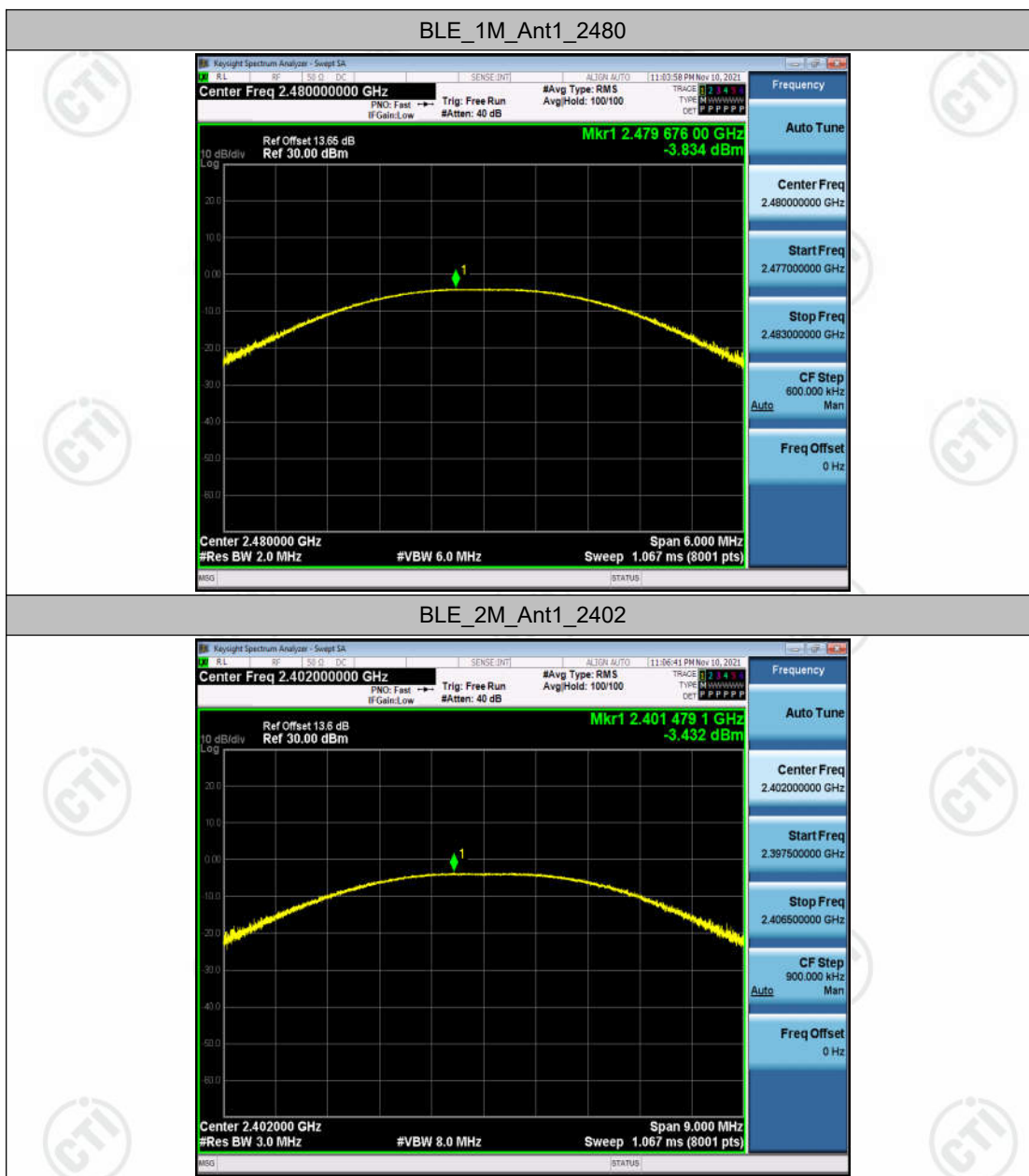
Appendix C: Maximum conducted output power

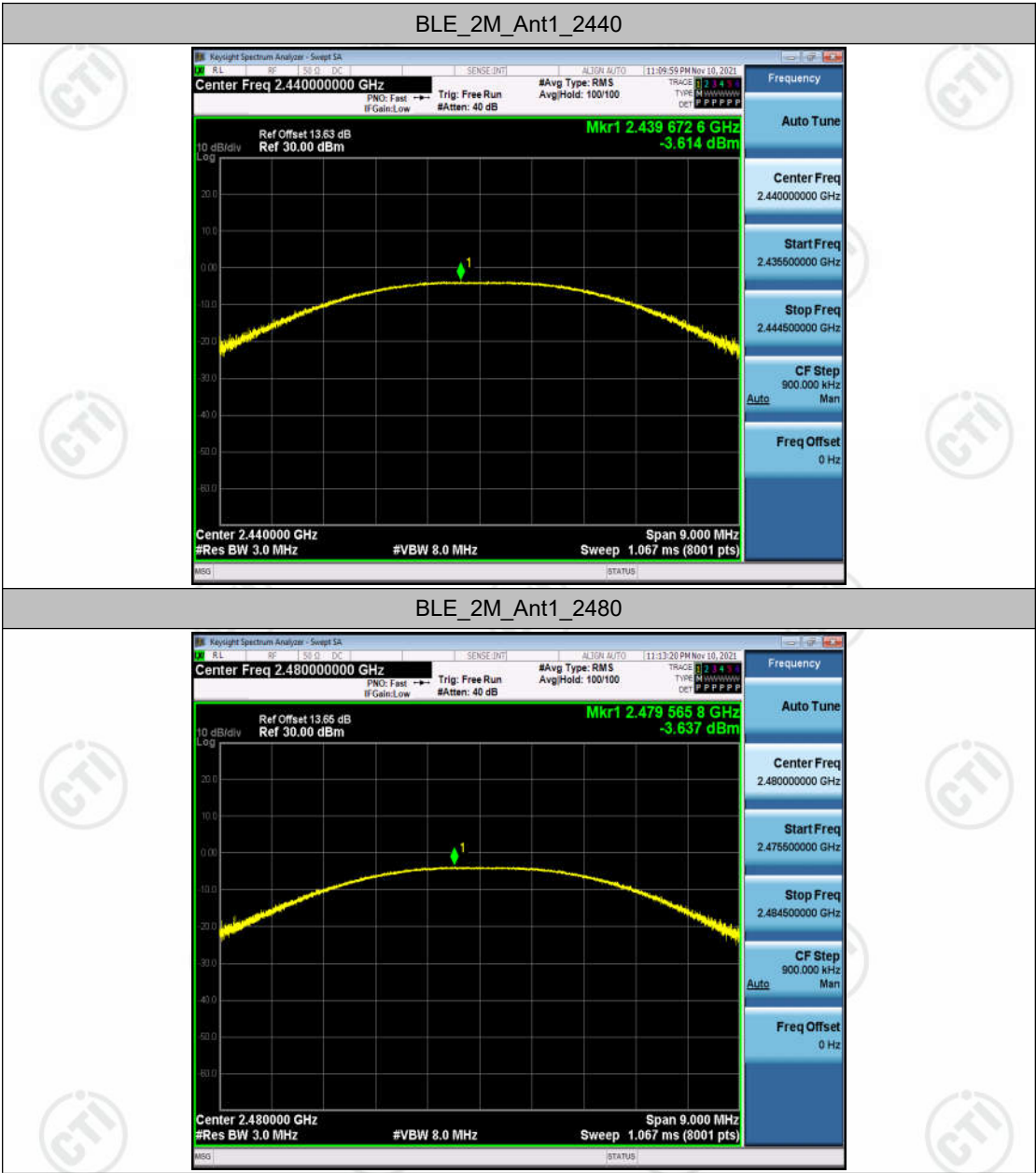
Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.77	<=30	PASS
		2440	-3.81	<=30	PASS
		2480	-3.83	<=30	PASS
BLE_2M	Ant1	2402	-3.43	<=30	PASS
		2440	-3.61	<=30	PASS
		2480	-3.64	<=30	PASS

Test Graphs





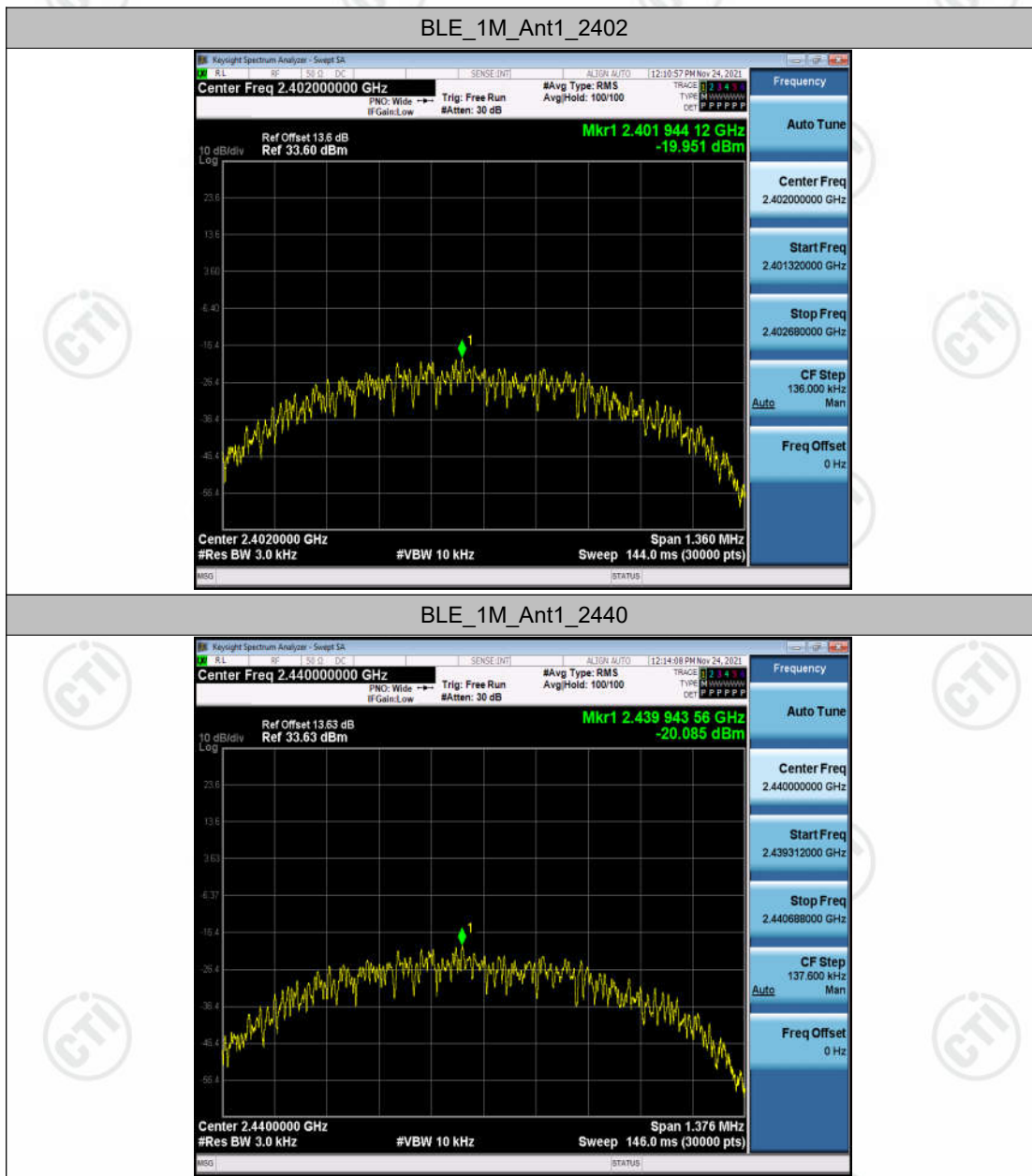


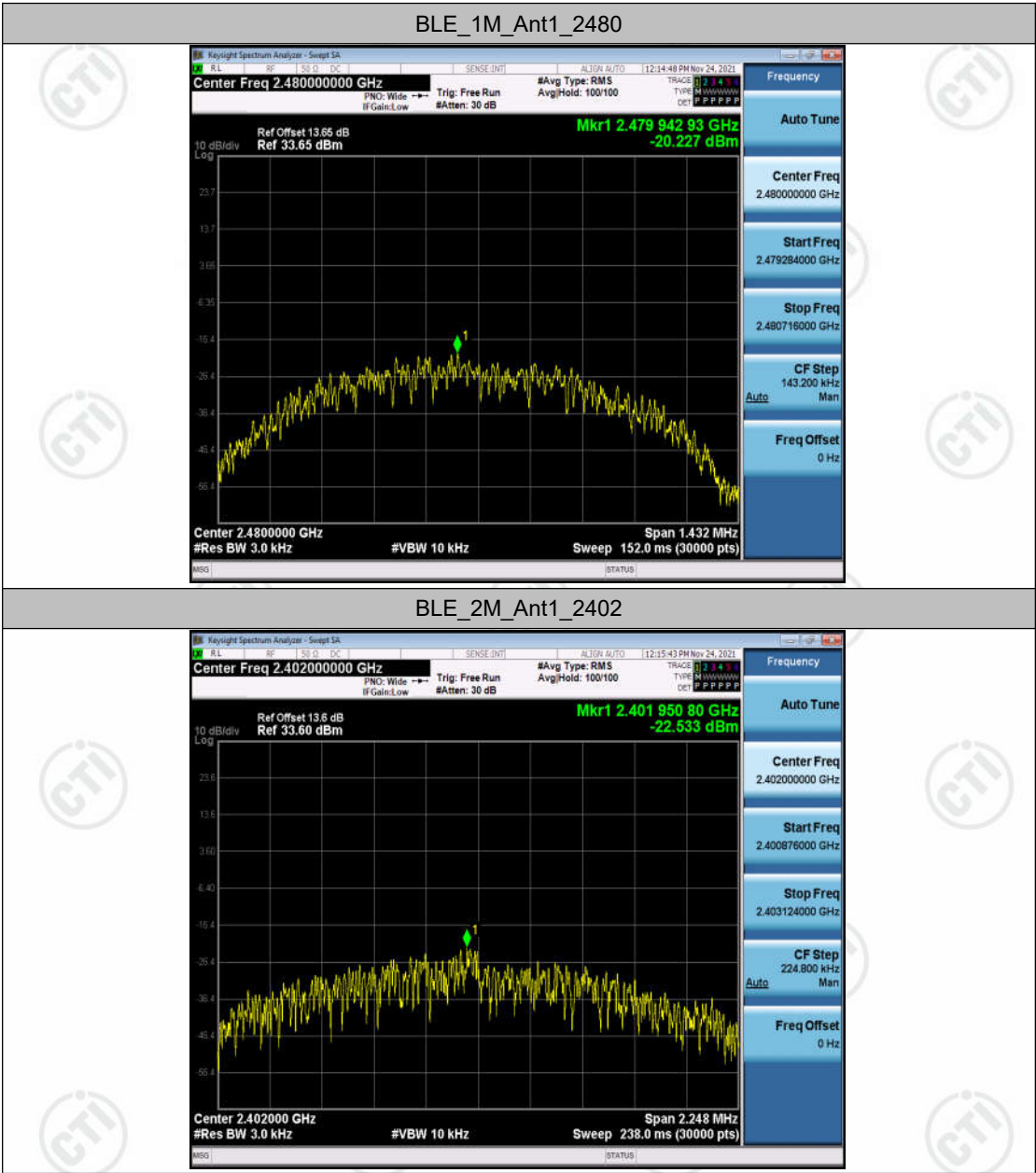
Appendix D: Maximum power spectral density

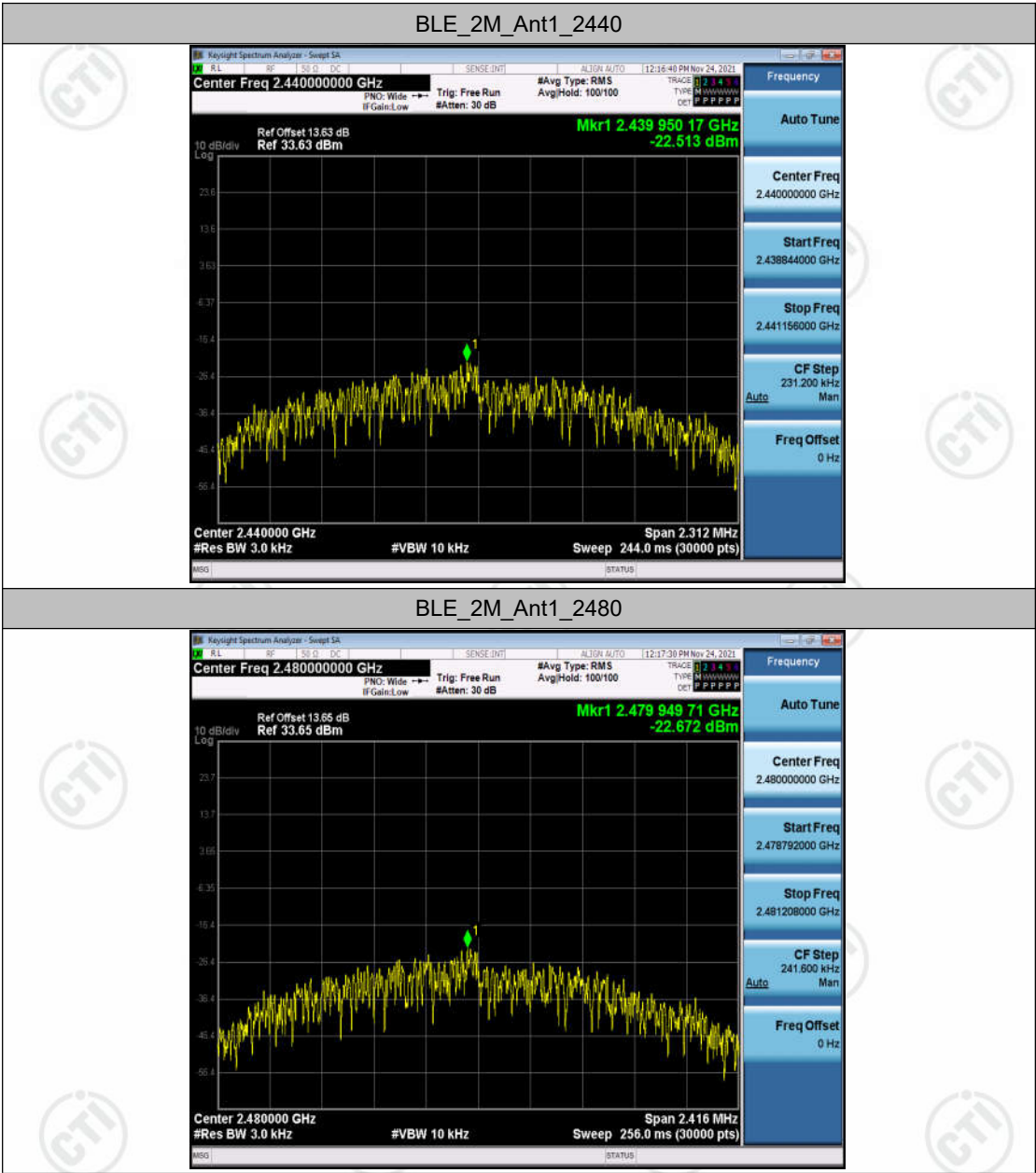
Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.95	<=8	PASS
		2440	-20.09	<=8	PASS
		2480	-20.23	<=8	PASS
BLE_2M	Ant1	2402	-22.53	<=8	PASS
		2440	-22.51	<=8	PASS
		2480	-22.67	<=8	PASS

Test Graphs





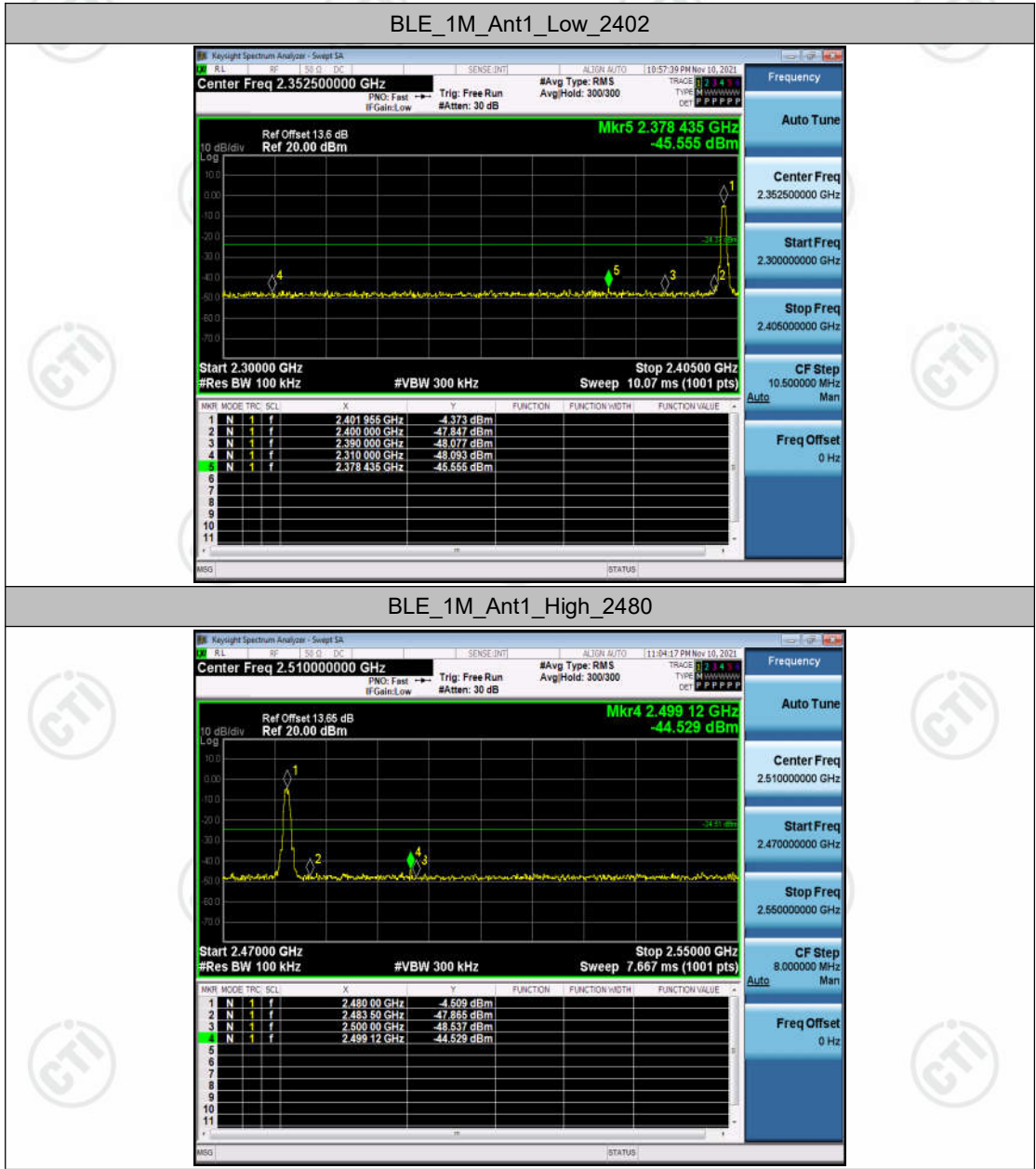


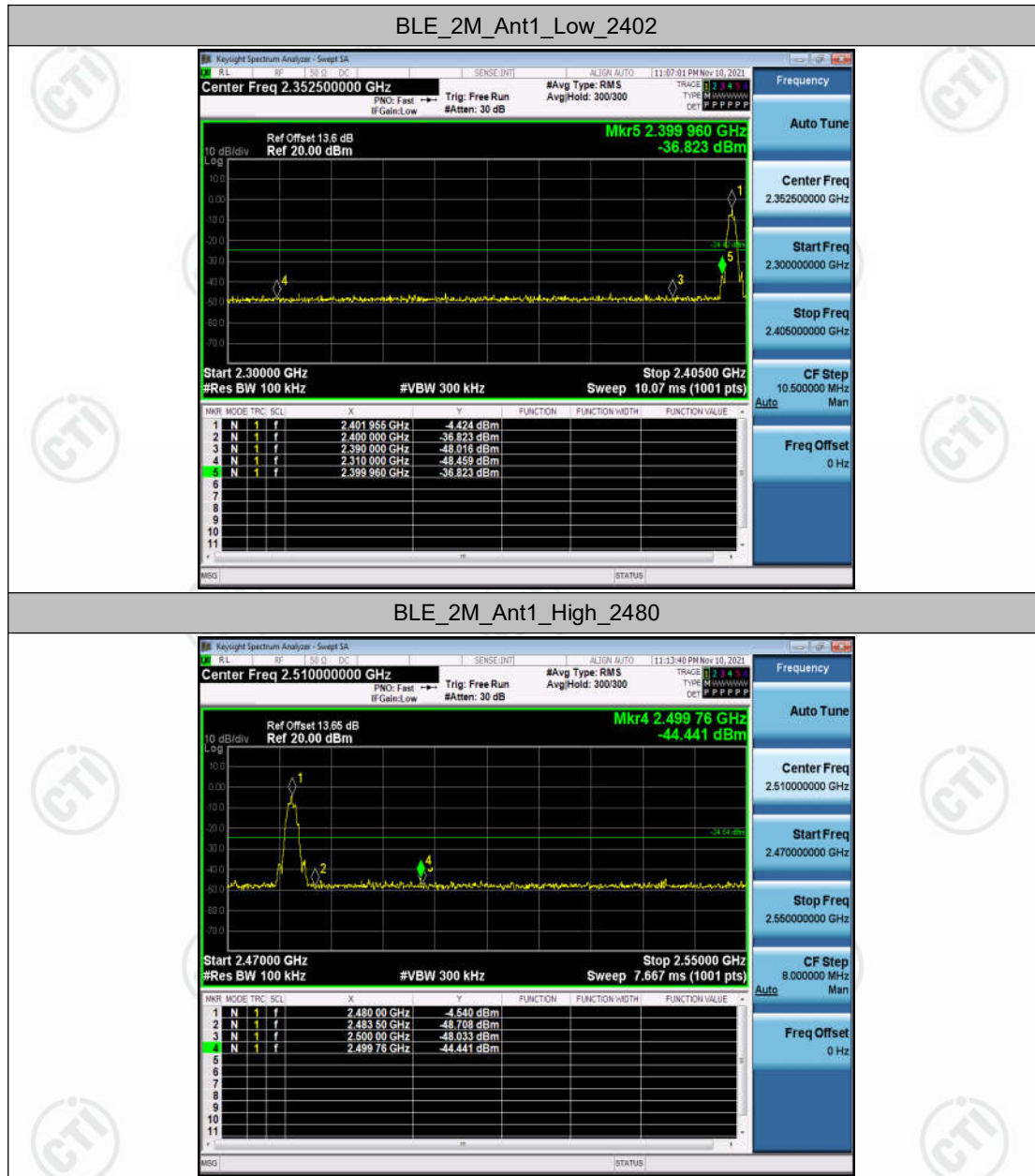
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.37	-45.56	<=-24.37	PASS
		High	2480	-4.51	-44.53	<=-24.51	PASS
BLE_2M	Ant1	Low	2402	-4.42	-36.82	<=-24.42	PASS
		High	2480	-4.54	-44.44	<=-24.54	PASS

Test Graphs



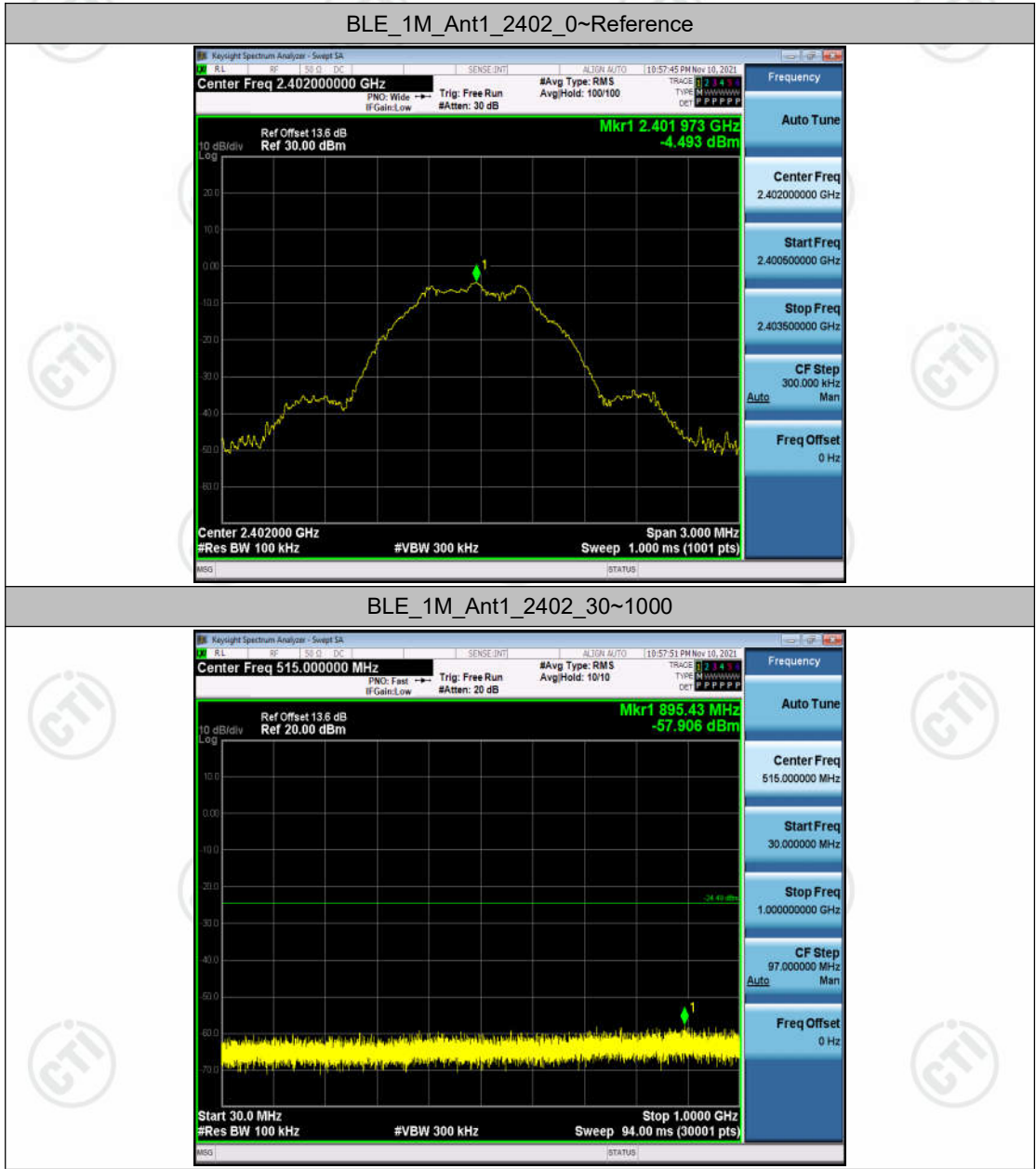


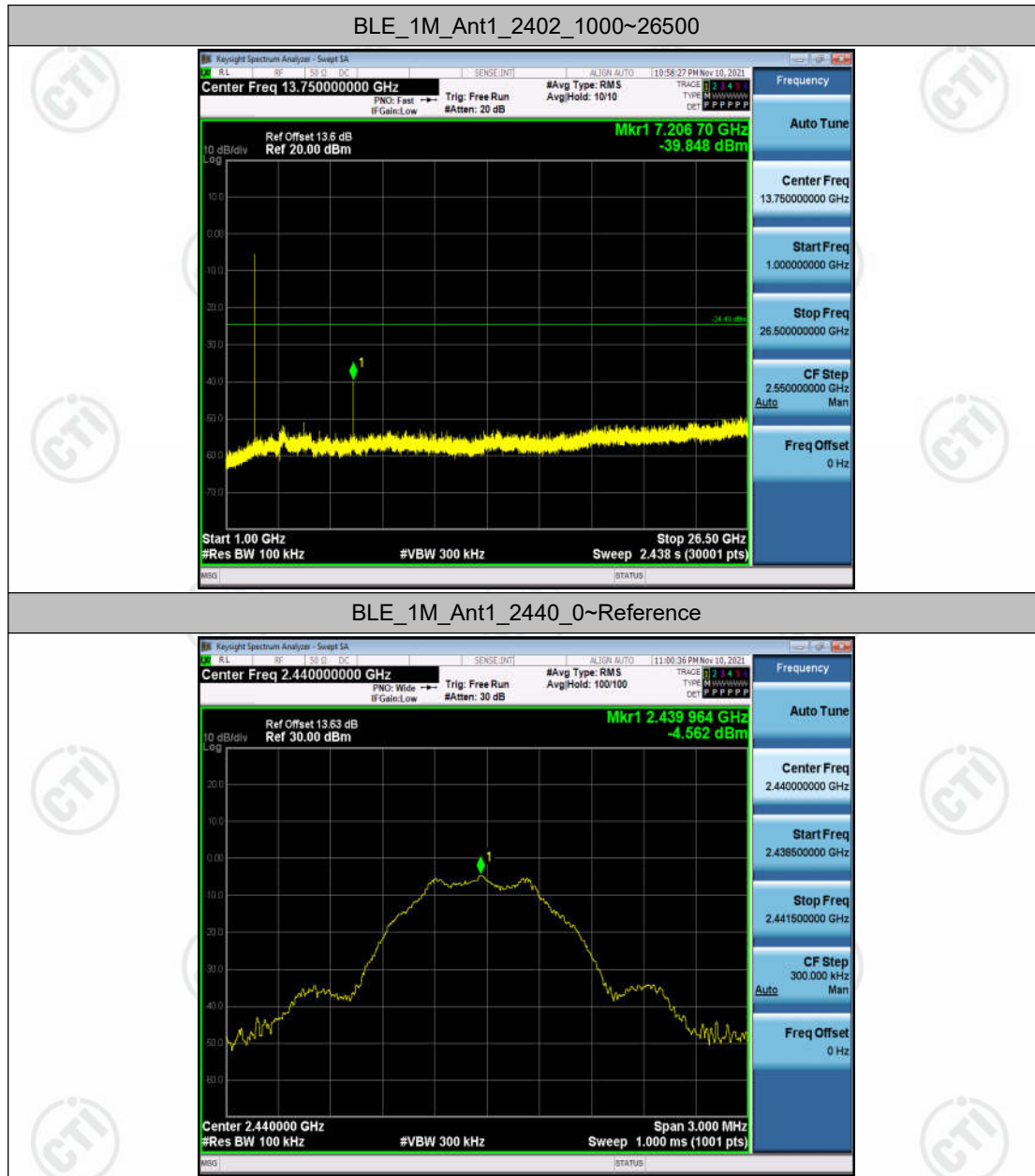
Appendix F: Conducted Spurious Emission

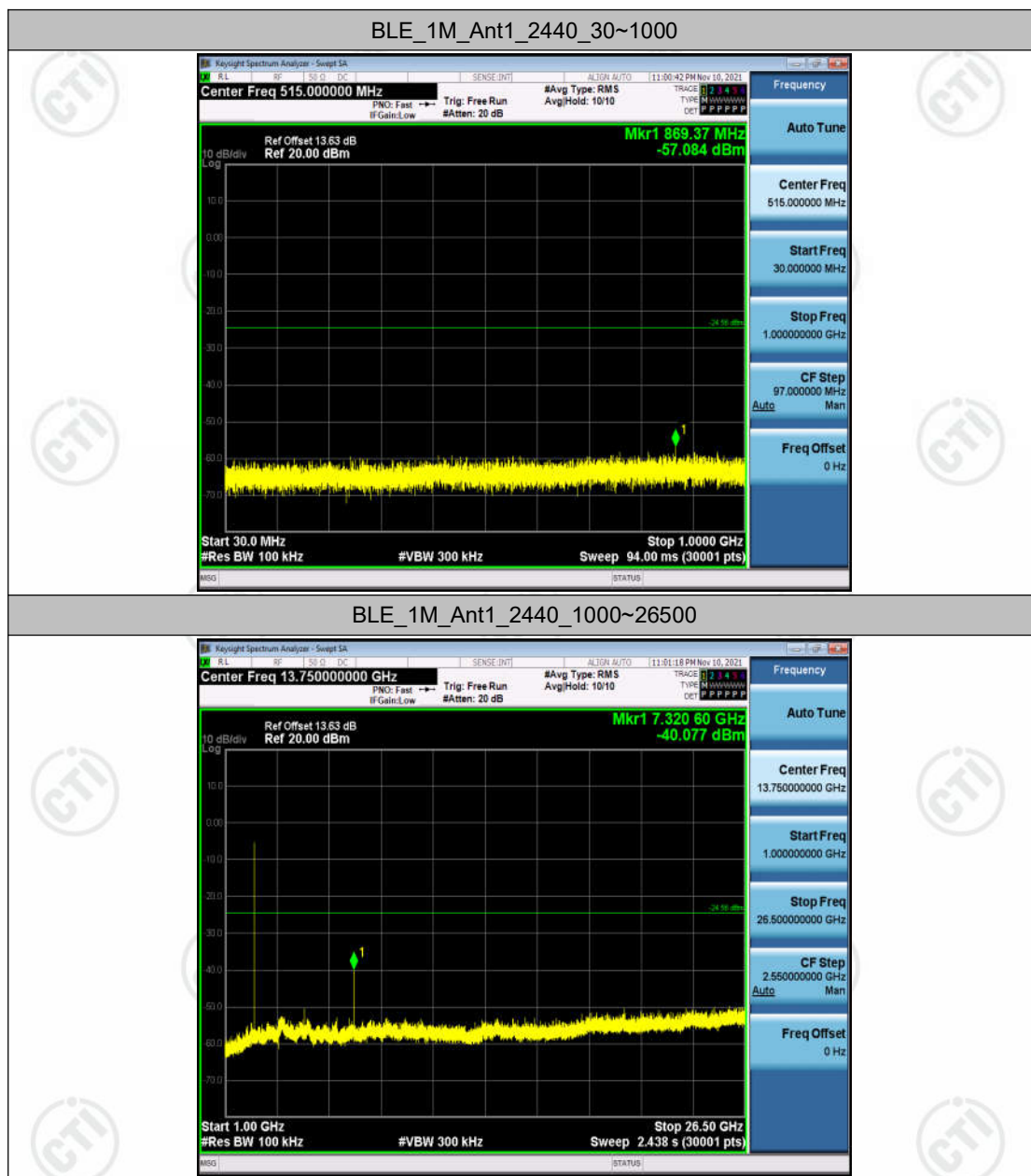
Test Result

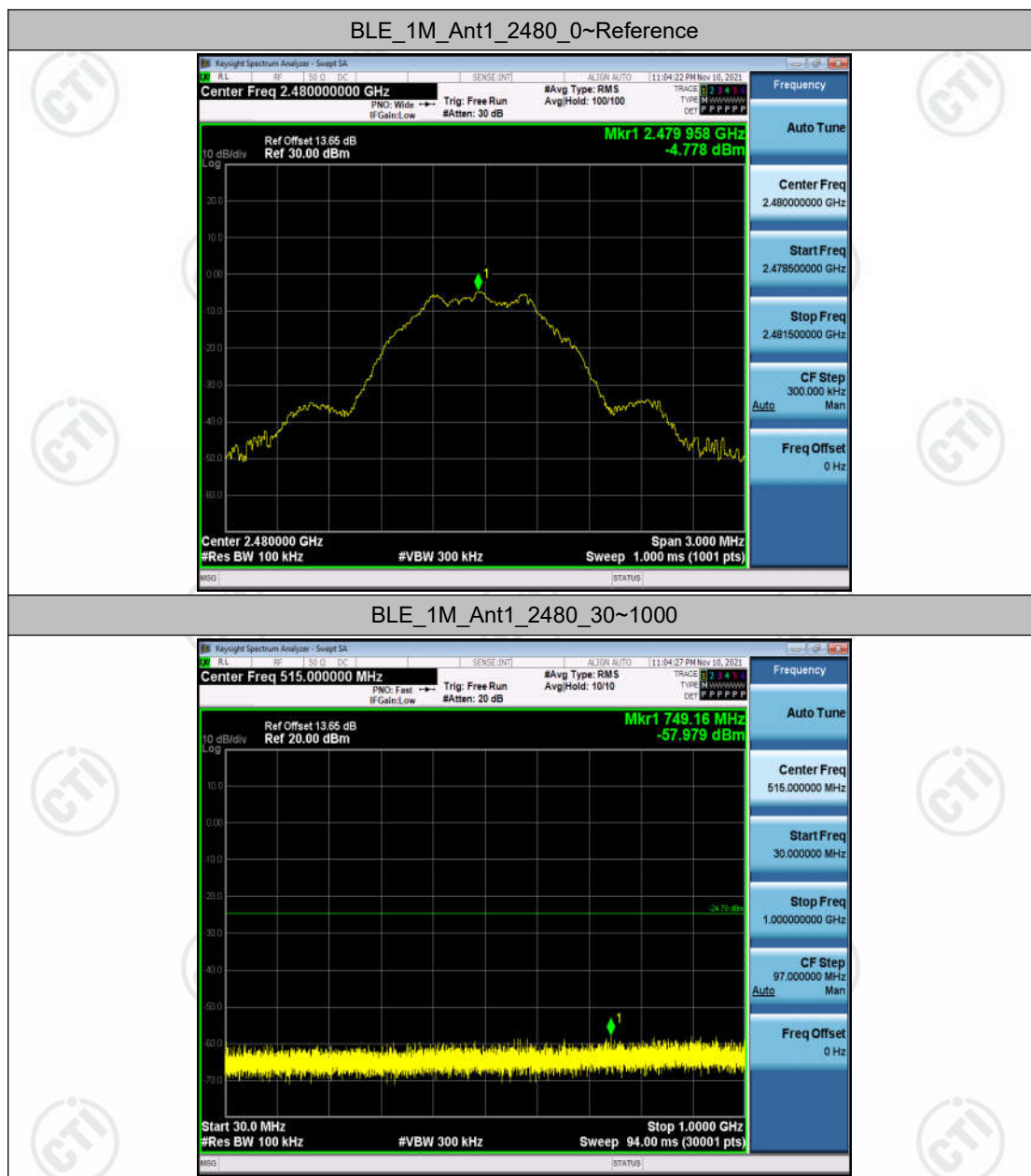
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.49	-4.49	---	PASS
			30~1000	---	-57.906	<=-24.493	PASS
			1000~26500	---	-39.848	<=-24.493	PASS
		2440	Reference	-4.56	-4.56	---	PASS
			30~1000	---	-57.084	<=-24.562	PASS
			1000~26500	---	-40.077	<=-24.562	PASS
		2480	Reference	-4.78	-4.78	---	PASS
			30~1000	---	-57.979	<=-24.778	PASS
			1000~26500	---	-42.844	<=-24.778	PASS
BLE_2M	Ant1	2402	Reference	-4.52	-4.52	---	PASS
			30~1000	---	-57.684	<=-24.524	PASS
			1000~26500	---	-41.178	<=-24.524	PASS
		2440	Reference	-6.26	-6.26	---	PASS
			30~1000	---	-57.181	<=-26.255	PASS
			1000~26500	---	-43.52	<=-26.255	PASS
		2480	Reference	-4.66	-4.66	---	PASS
			30~1000	---	-57.04	<=-24.664	PASS
			1000~26500	---	-48.586	<=-24.664	PASS

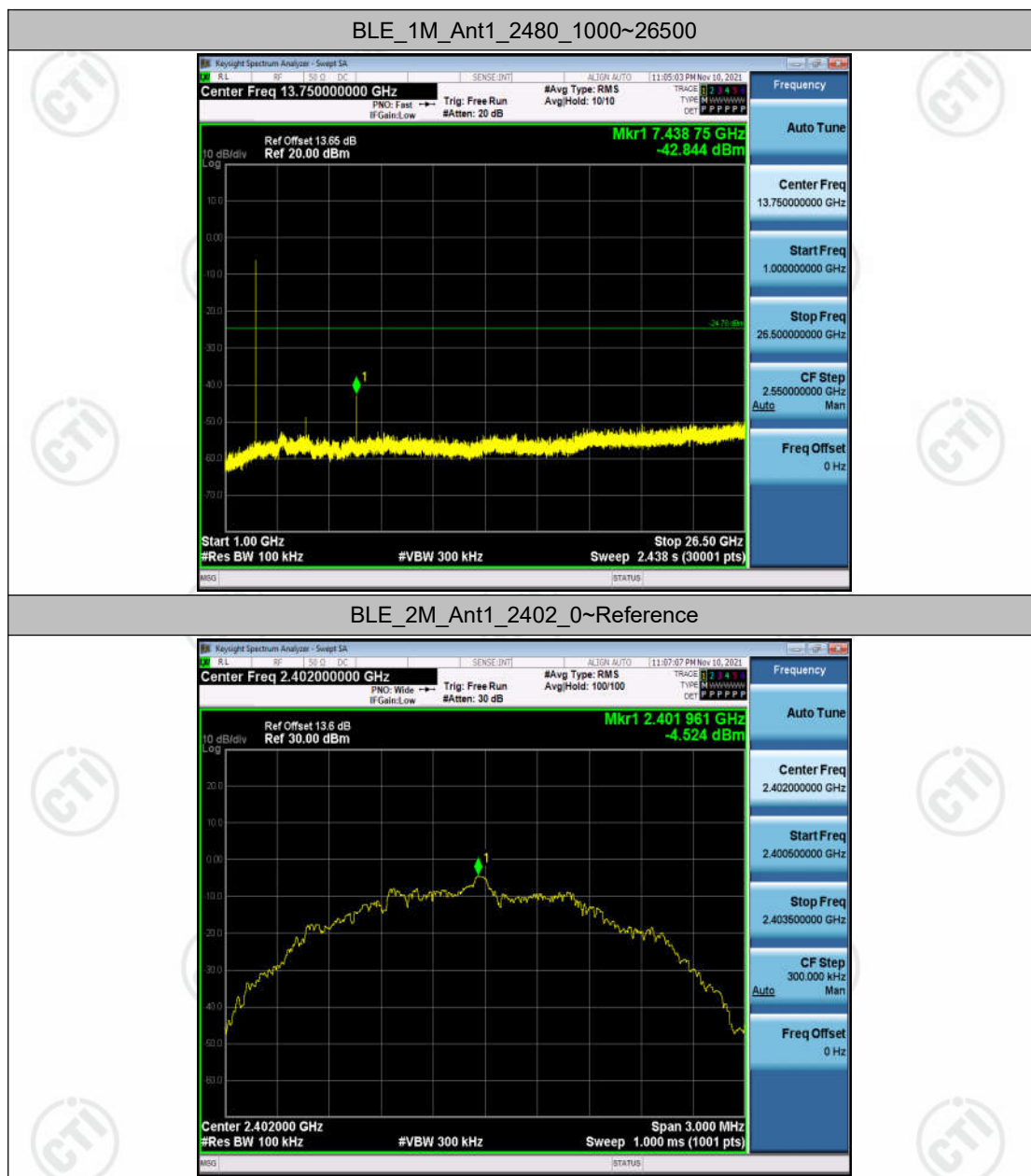
Test Graphs

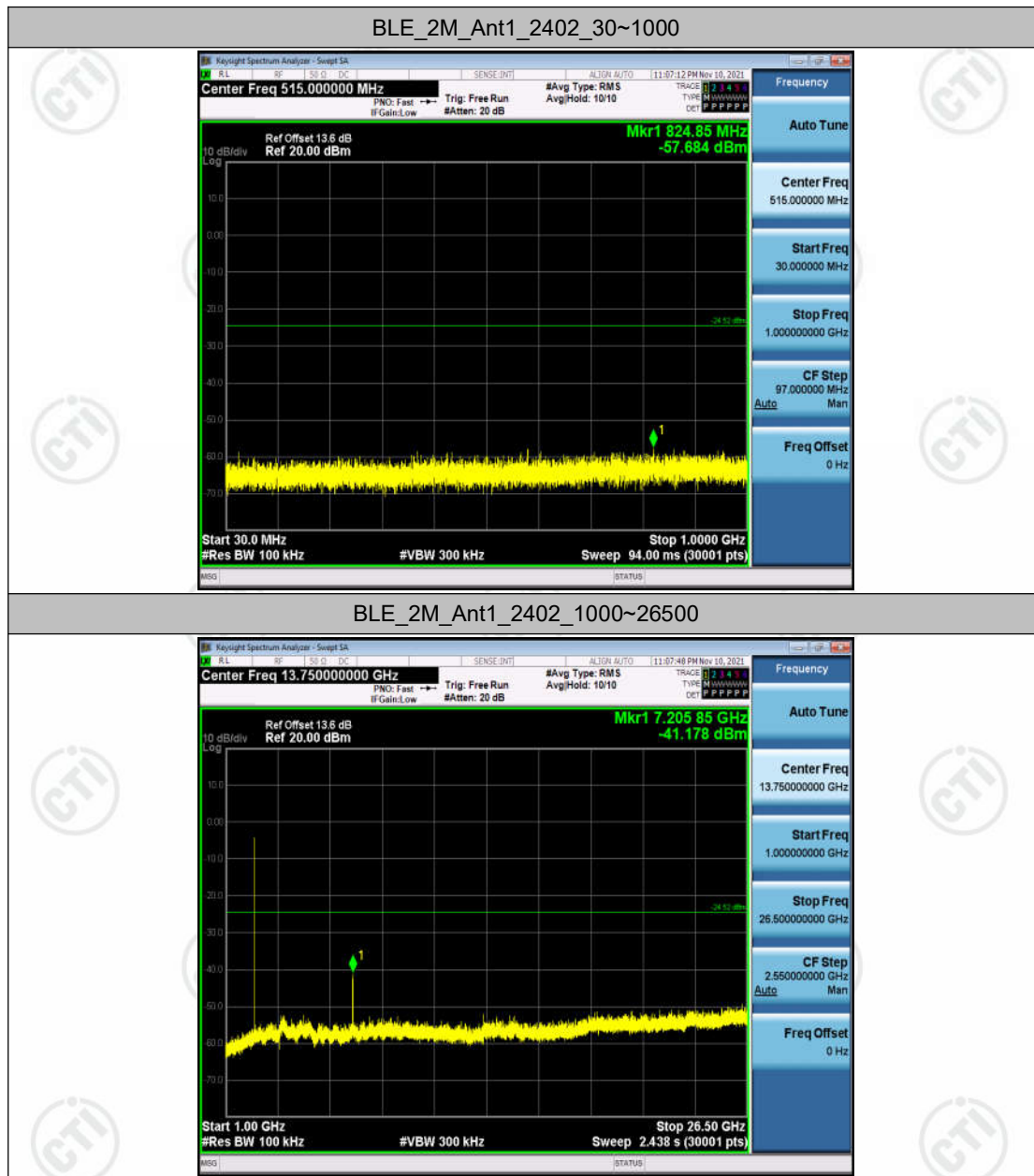


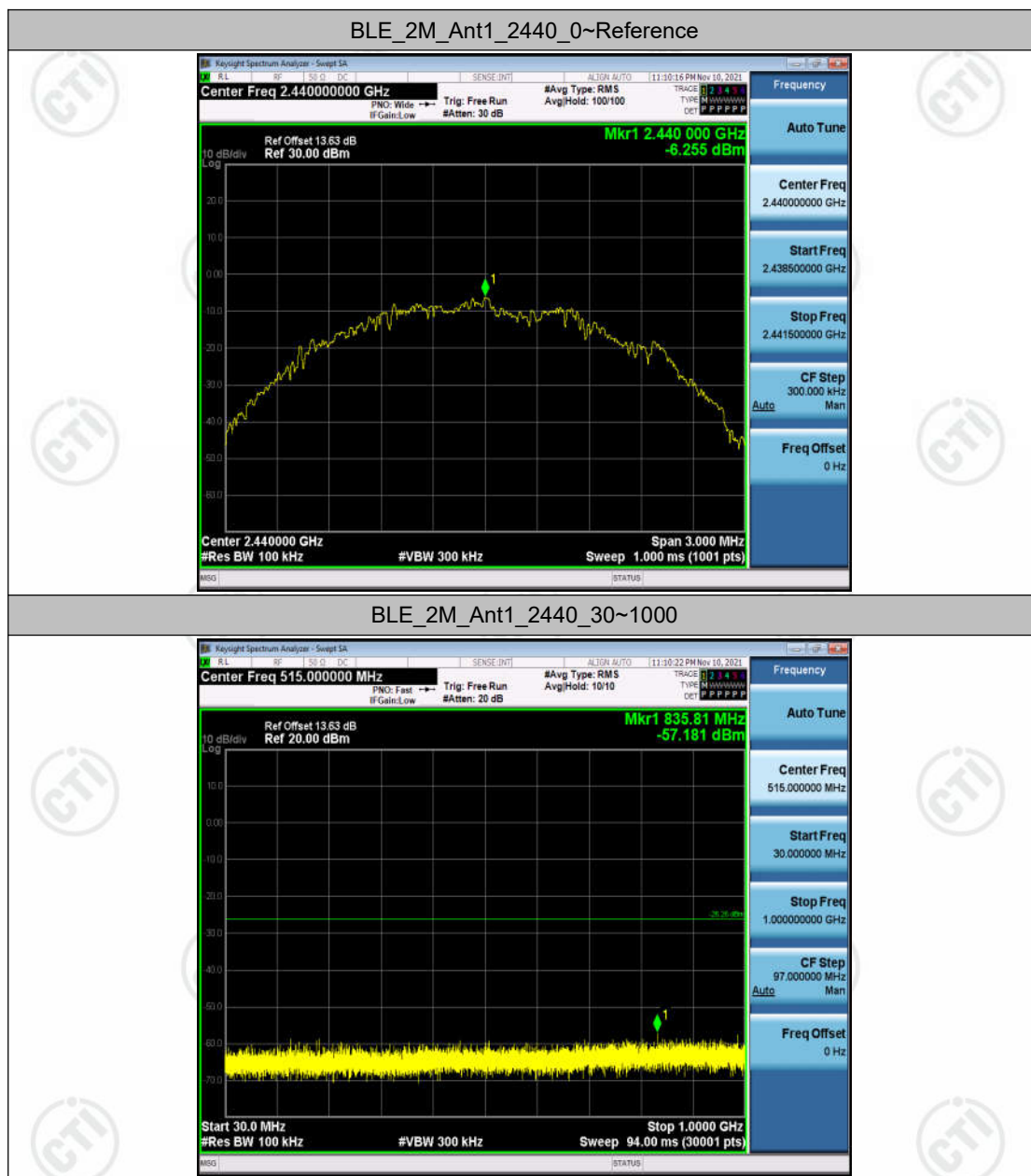


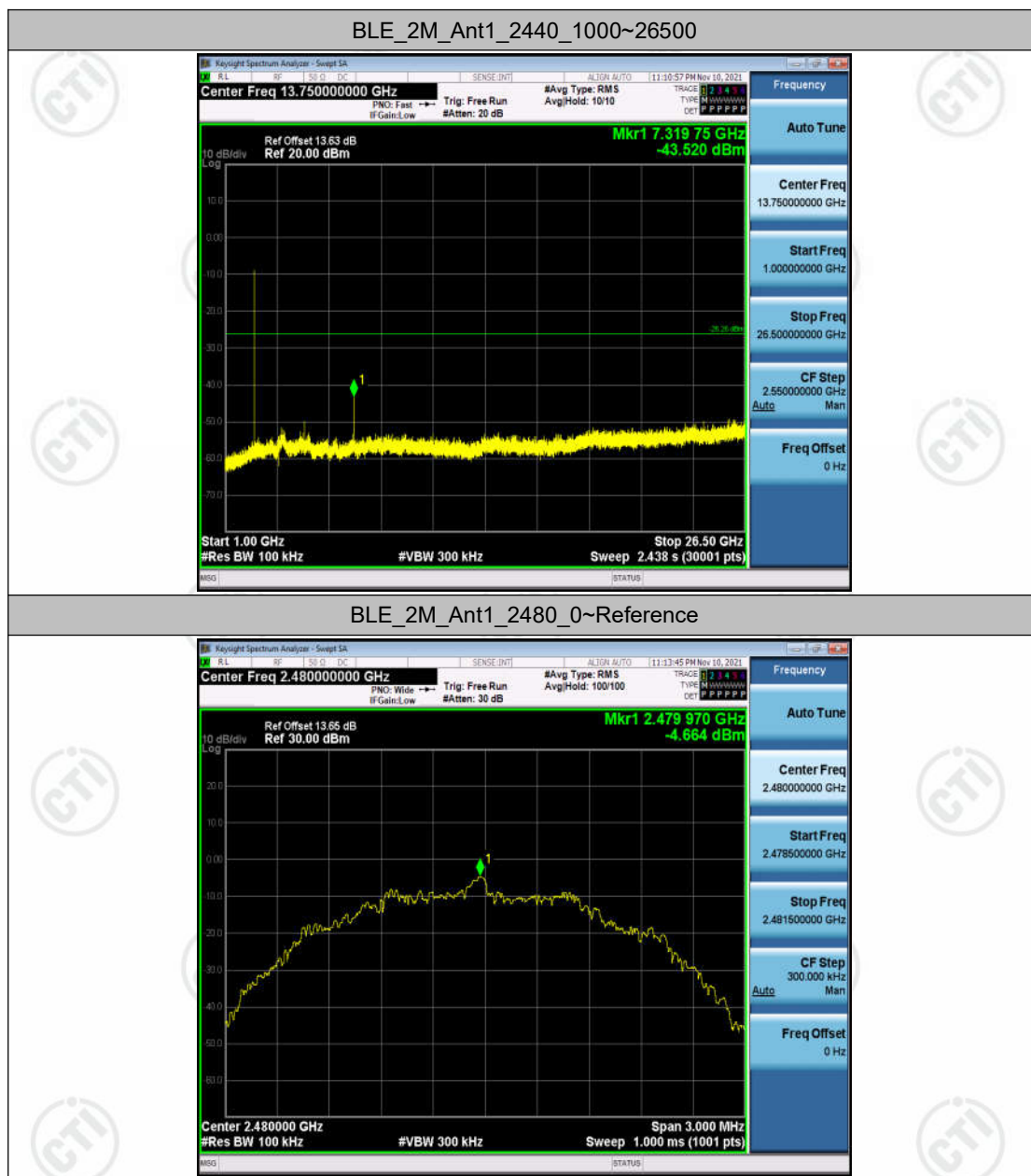


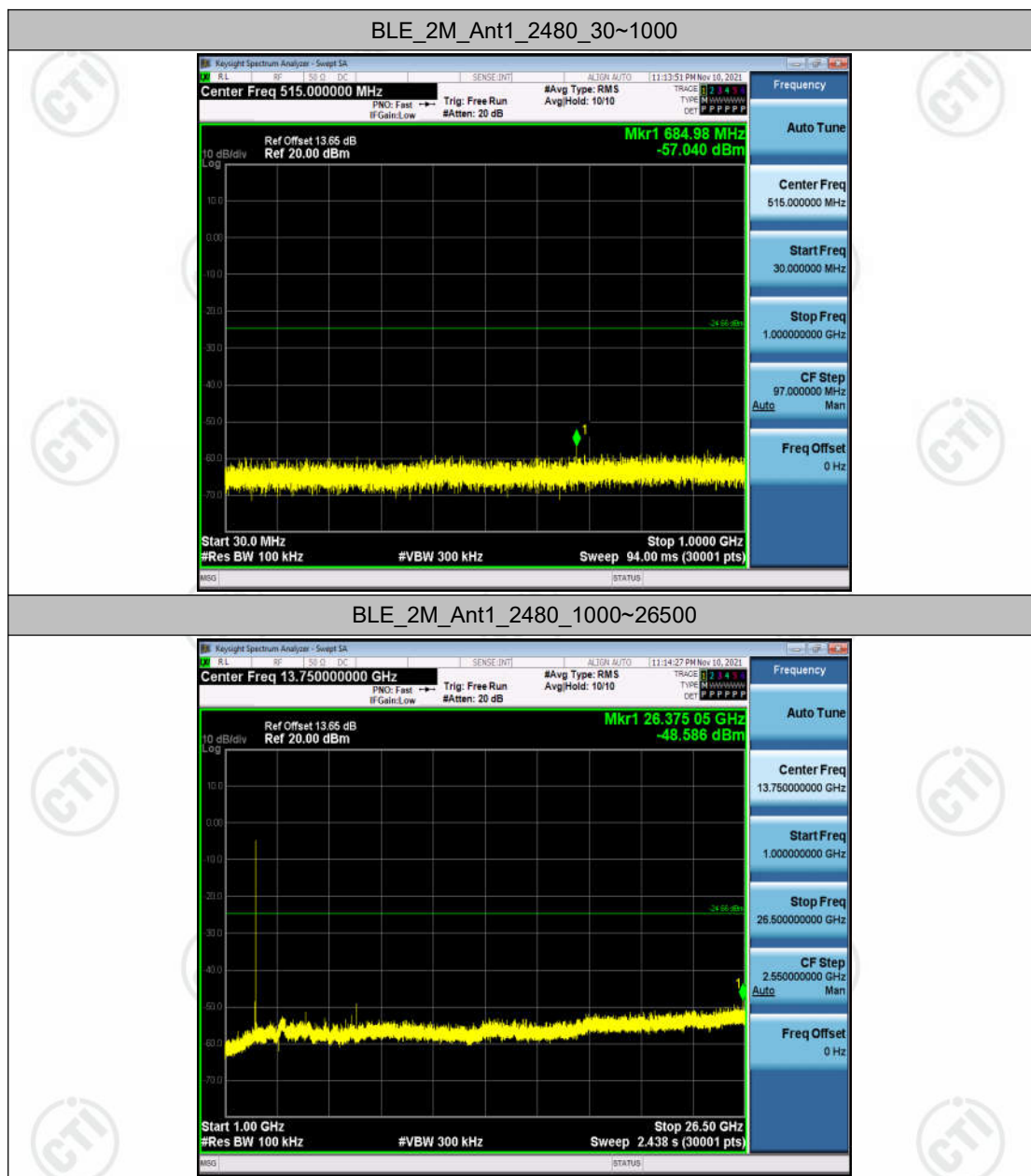












Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.63	62.90	---	PASS
		2440	0.39	0.63	63.00	---	PASS
		2480	0.39	0.63	63.00	---	PASS
BLE_2M	Ant1	2402	0.21	0.63	33.20	---	PASS
		2440	0.21	0.63	33.20	---	PASS
		2480	0.21	0.63	33.20	---	PASS

Test Graphs

