

Appendix: Bluetooth LE

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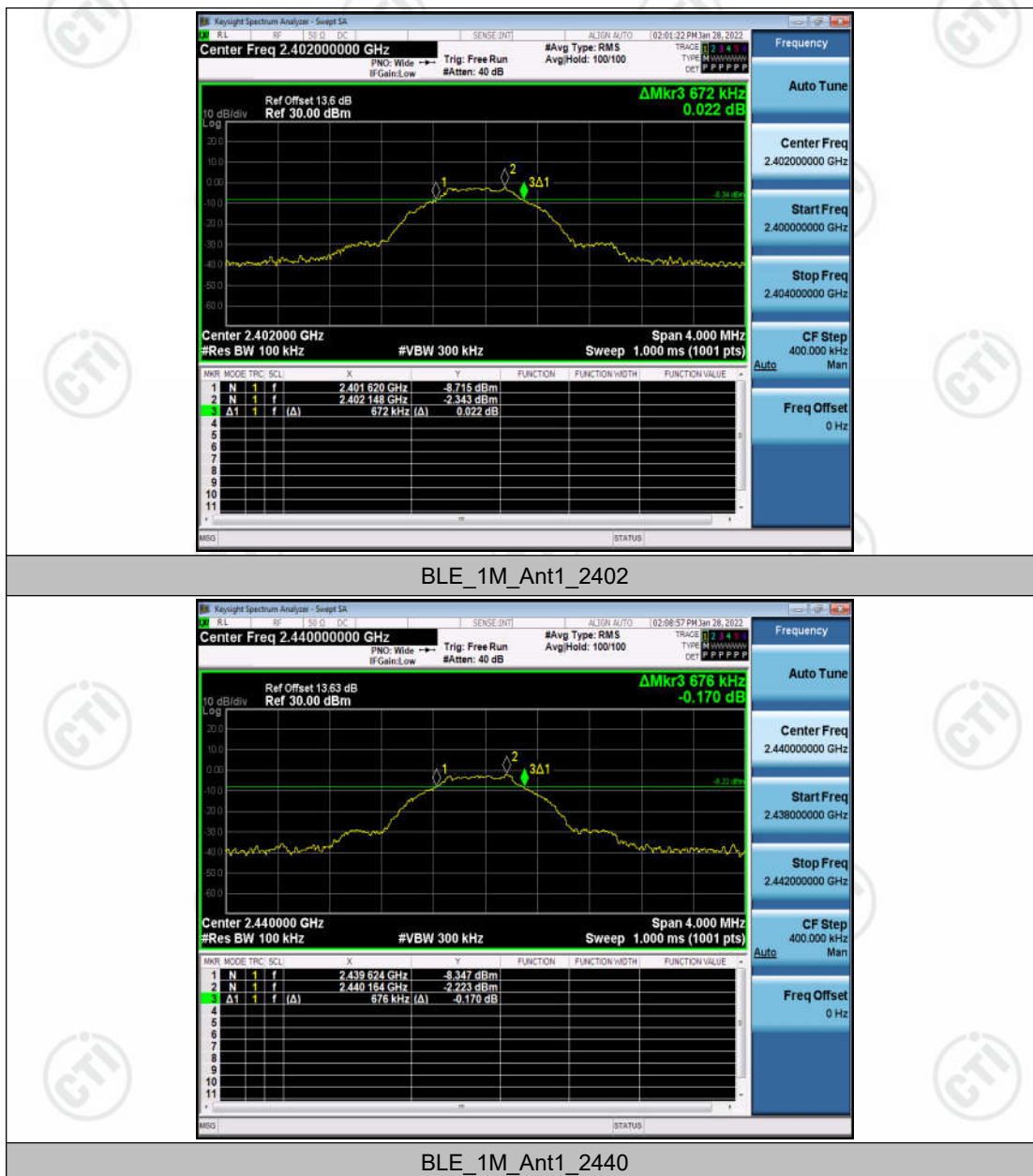
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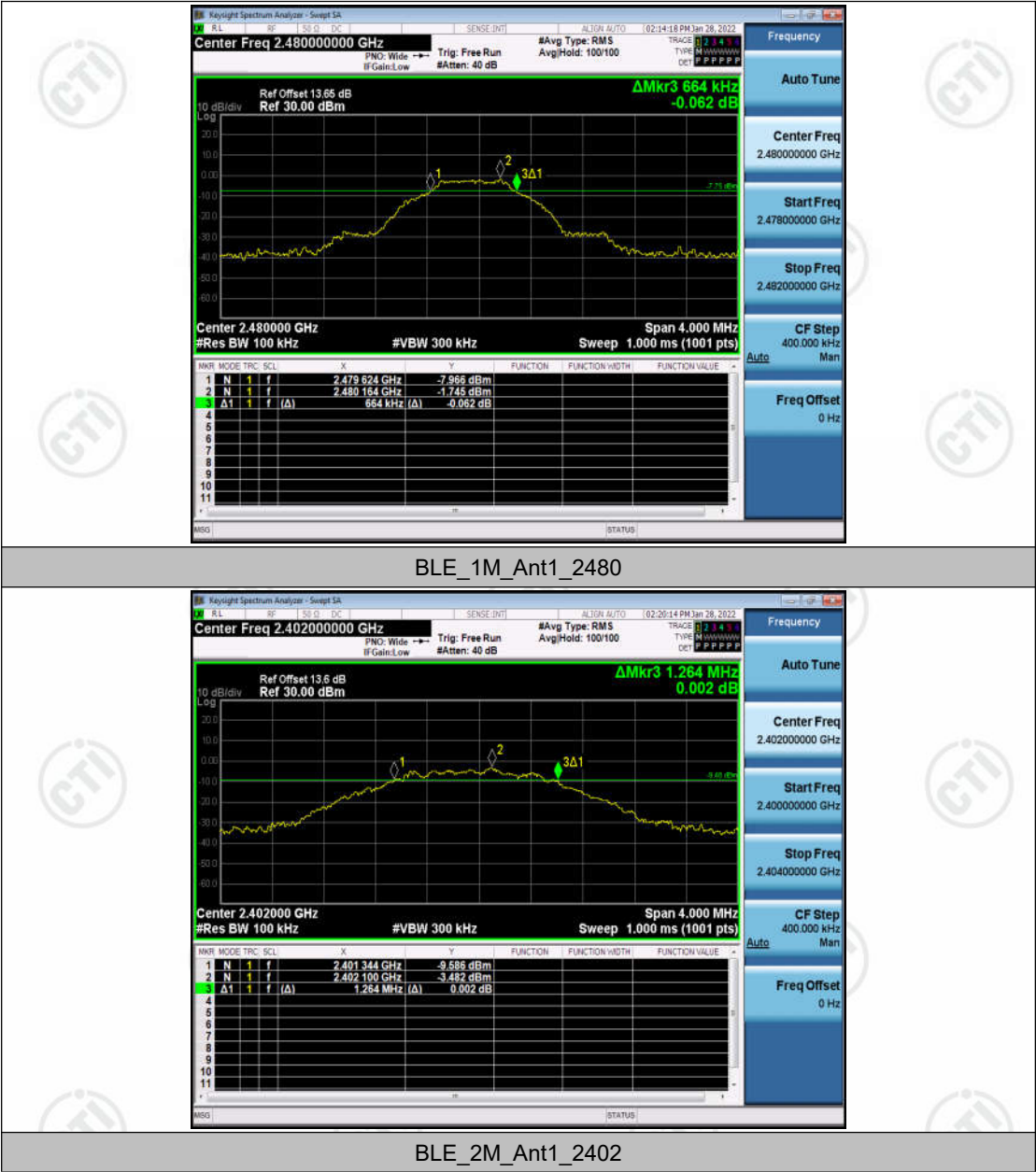
Appendix A: DTS Bandwidth

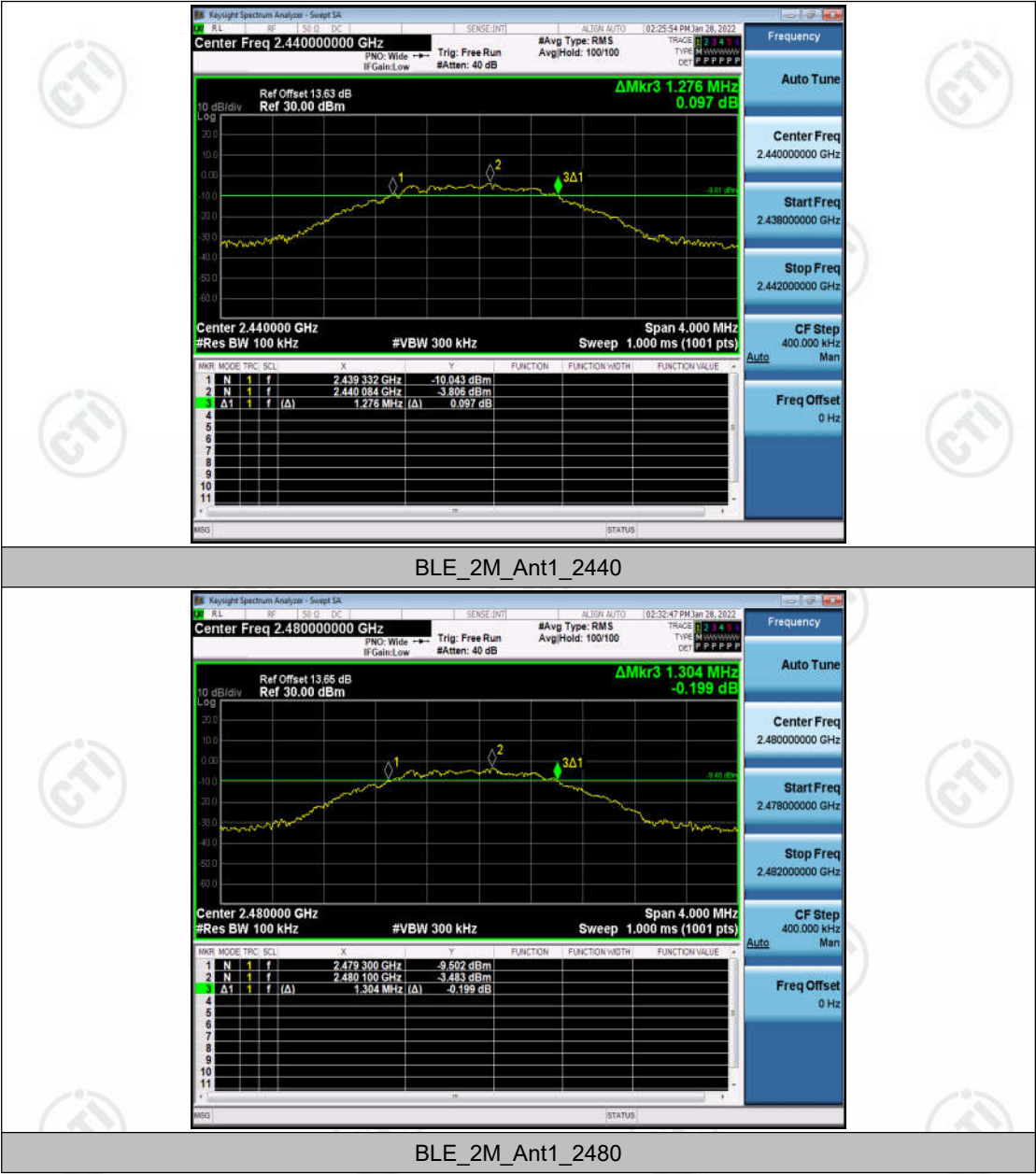
Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.672	2401.620	2402.292	0.5	PASS
		2440	0.676	2439.624	2440.300	0.5	PASS
		2480	0.664	2479.624	2480.288	0.5	PASS
BLE_2M	Ant1	2402	1.264	2401.344	2402.608	0.5	PASS
		2440	1.276	2439.332	2440.608	0.5	PASS
		2480	1.304	2479.300	2480.604	0.5	PASS

Test Graphs





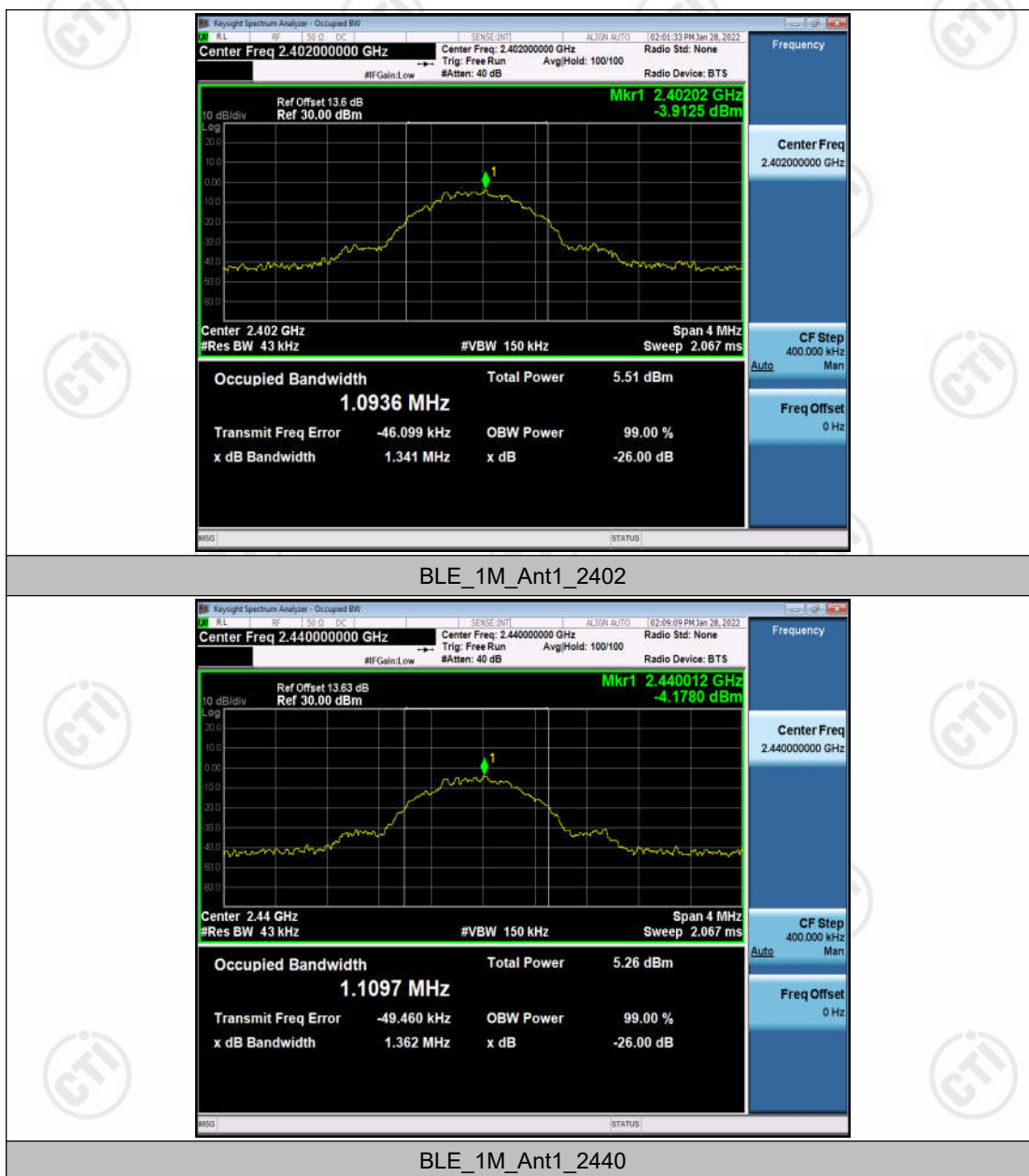


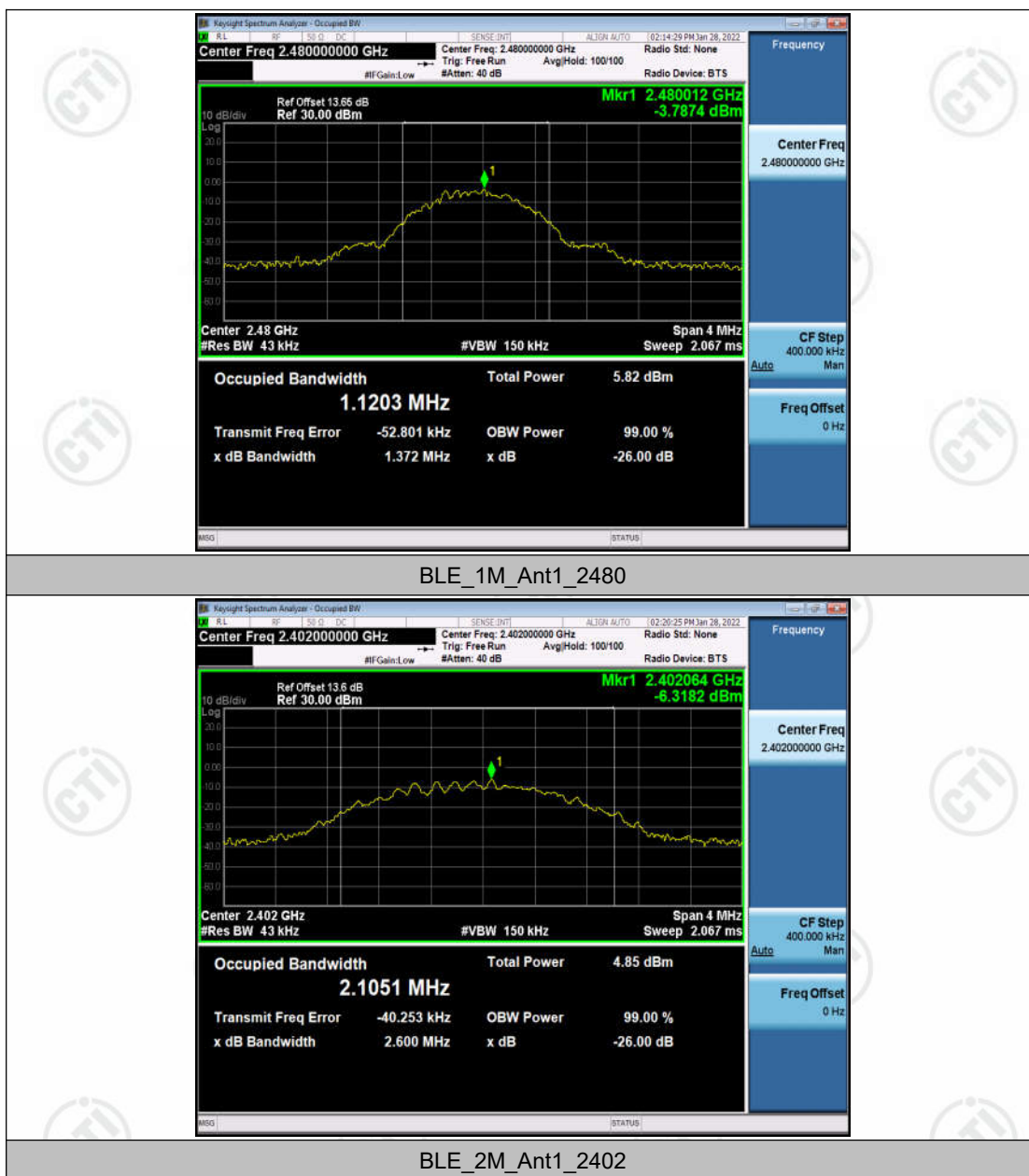
Appendix B: Occupied Channel Bandwidth

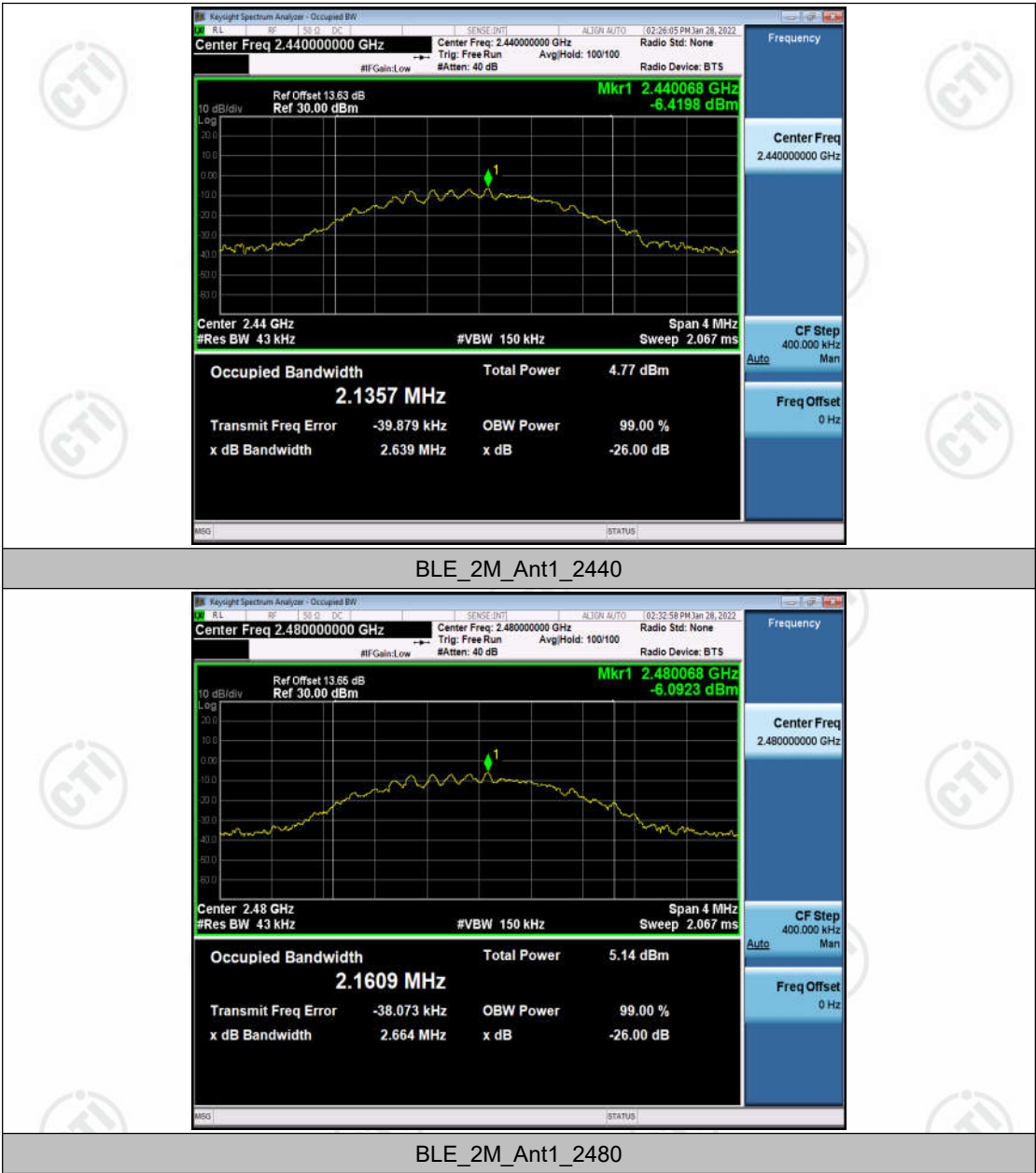
Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0936	2401.407	2402.501	---	PASS
		2440	1.1097	2439.396	2440.505	---	PASS
		2480	1.1203	2479.387	2480.507	---	PASS
BLE_2M	Ant1	2402	2.1051	2400.907	2403.012	---	PASS
		2440	2.1357	2438.892	2441.028	---	PASS
		2480	2.1609	2478.881	2481.042	---	PASS

Test Graphs





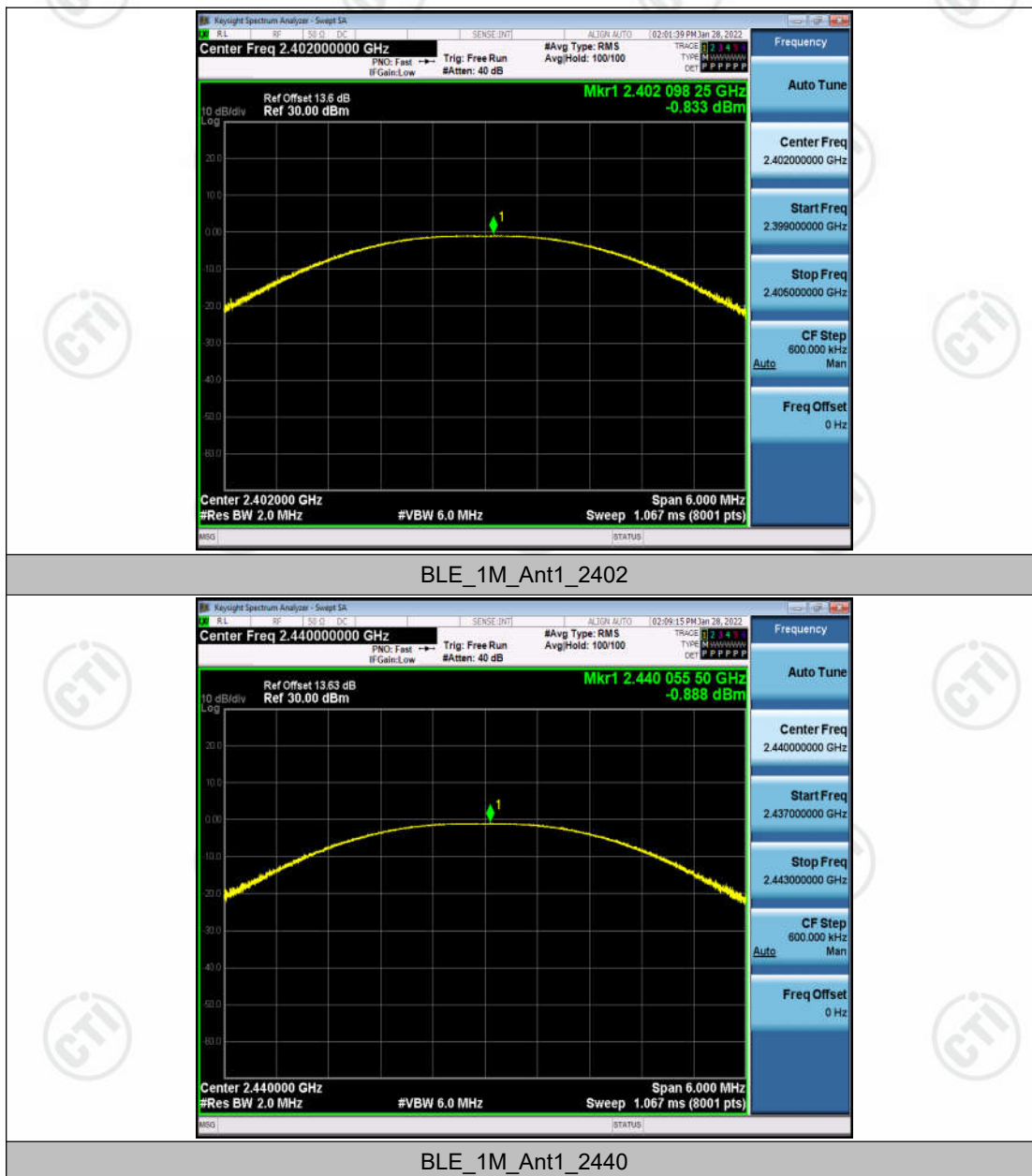


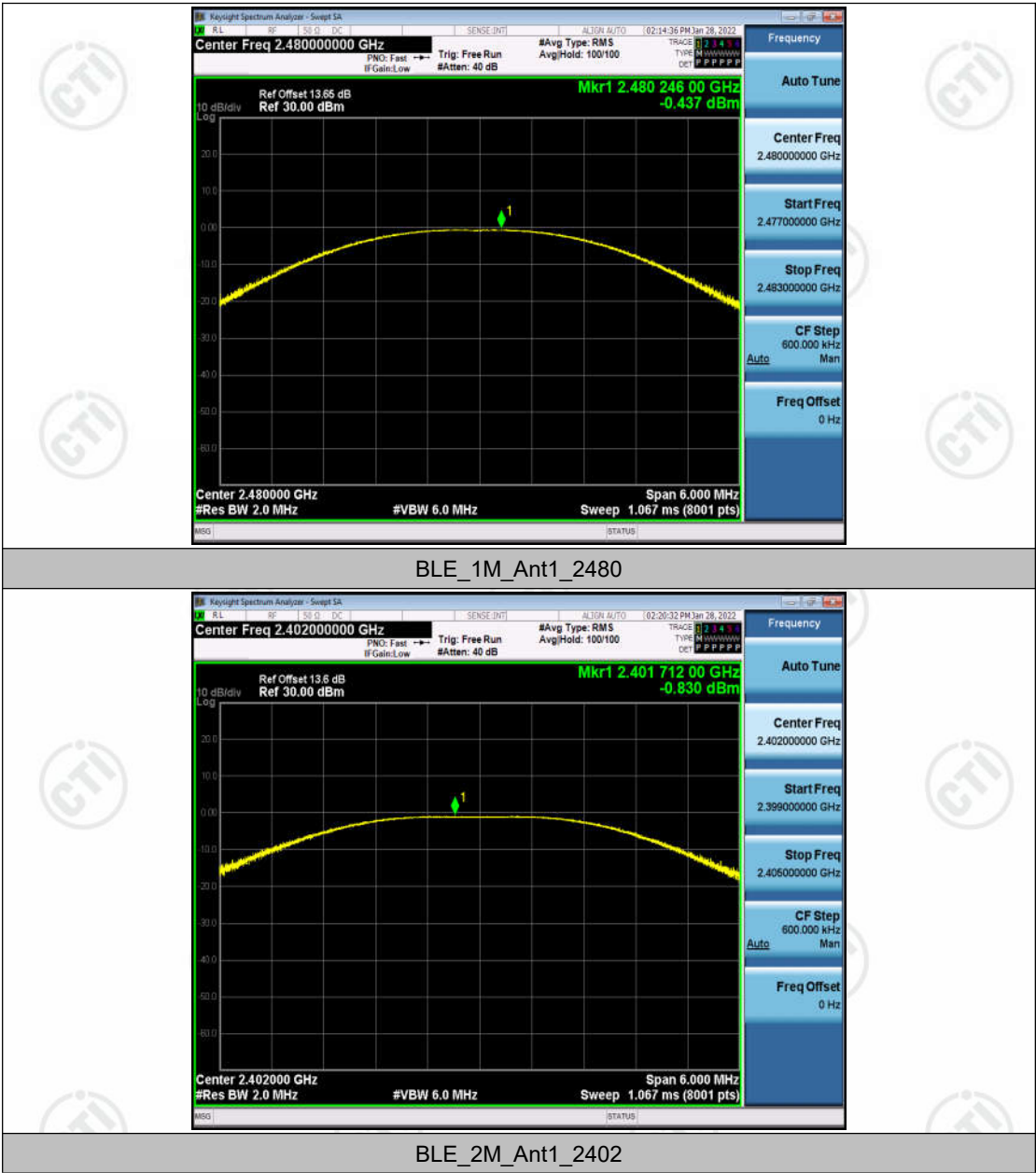
Appendix C: Maximum conducted output power

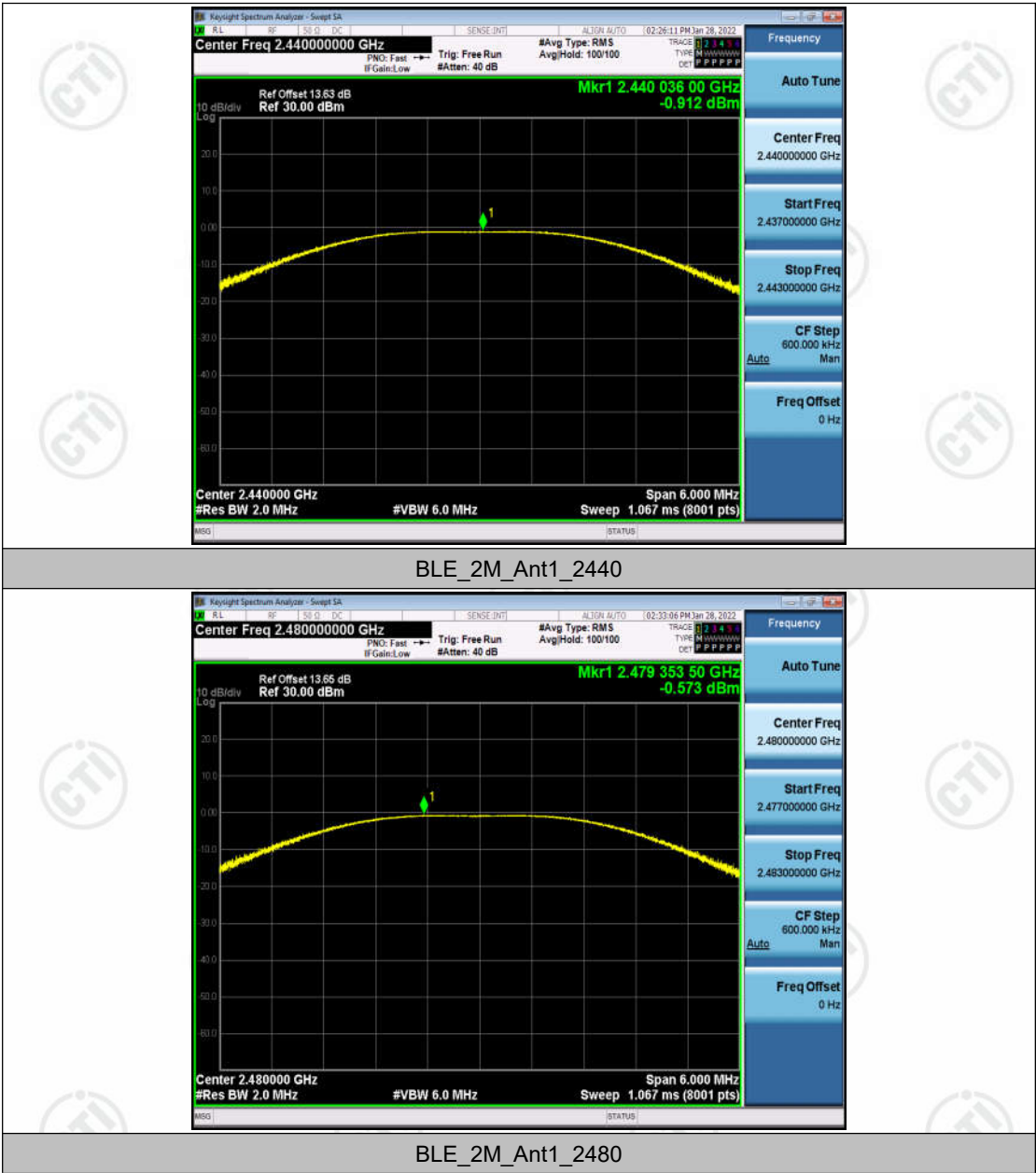
Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.83	<=30	PASS
		2440	-0.89	<=30	PASS
		2480	-0.44	<=30	PASS
BLE_2M	Ant1	2402	-0.83	<=30	PASS
		2440	-0.91	<=30	PASS
		2480	-0.57	<=30	PASS

Test Graphs





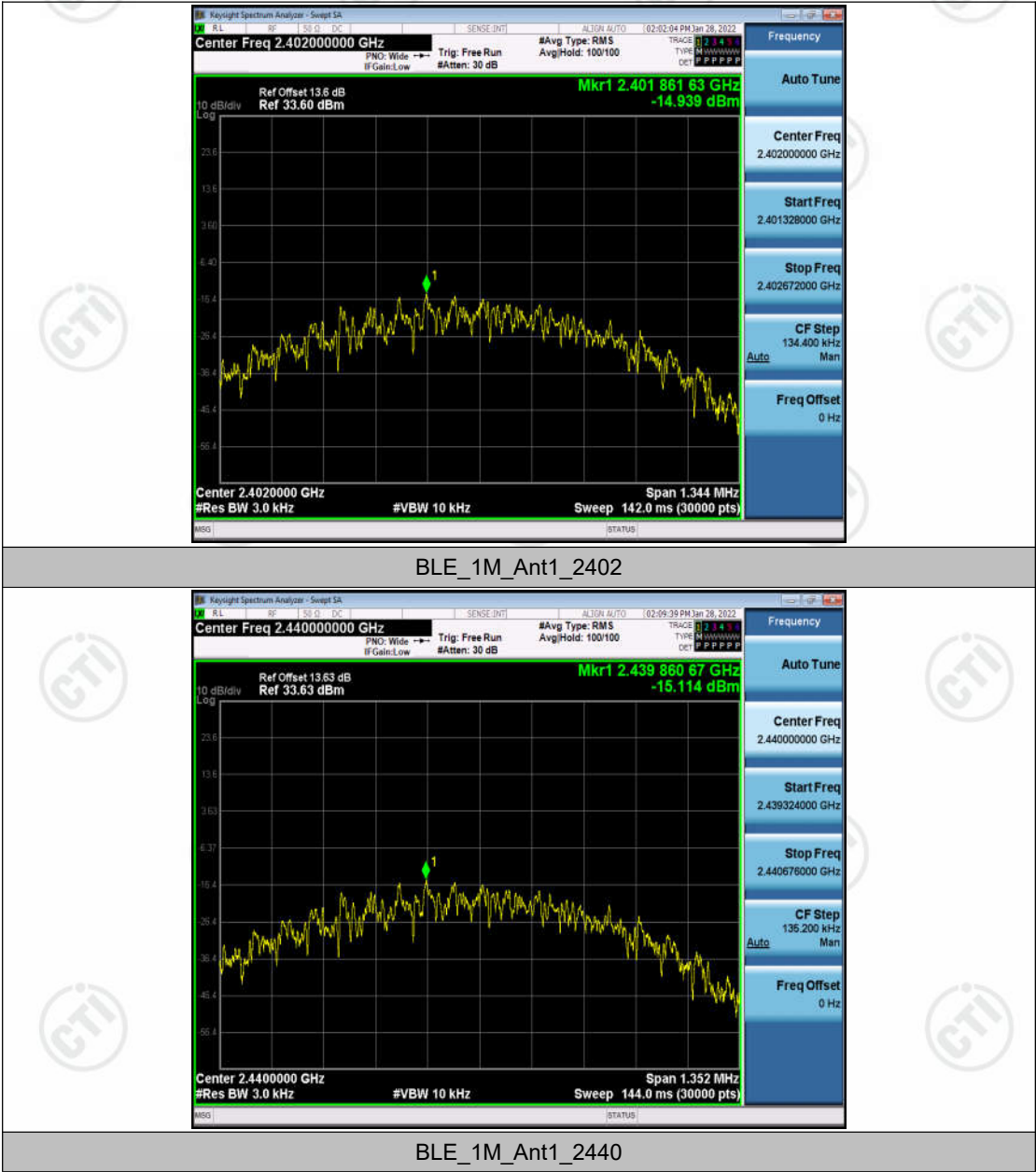


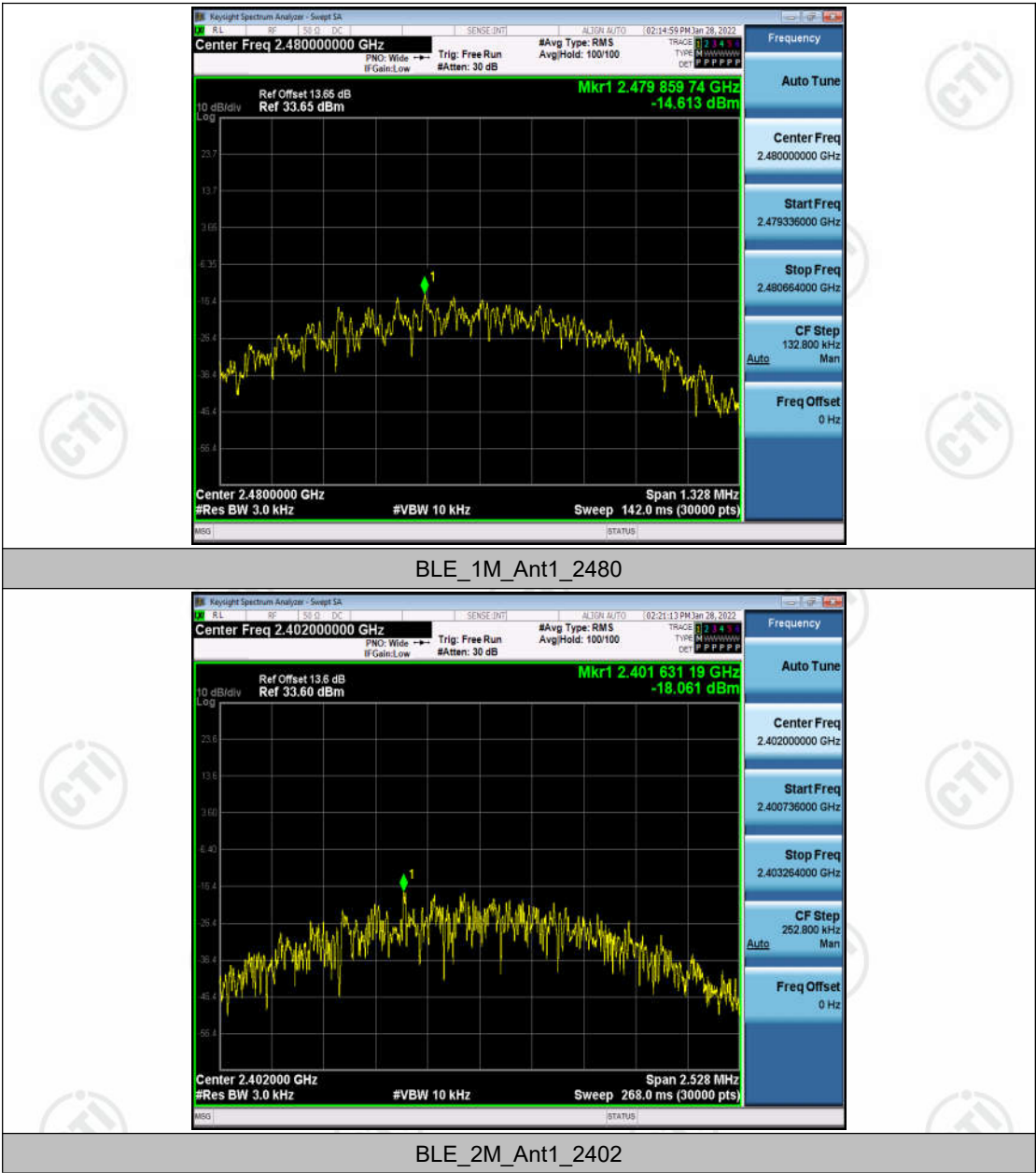
Appendix D: Maximum power spectral density

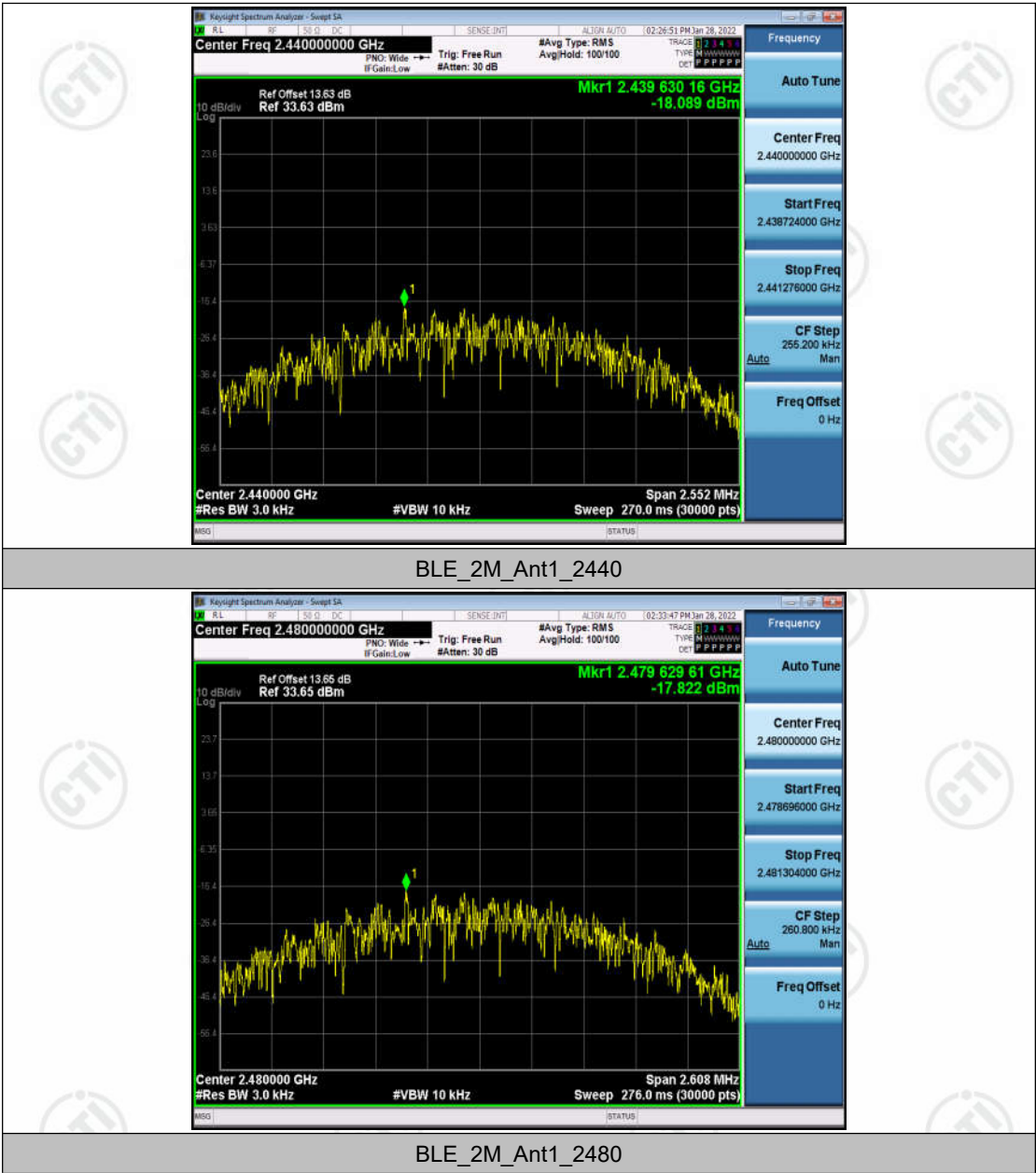
Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.94	<=8	PASS
		2440	-15.11	<=8	PASS
		2480	-14.61	<=8	PASS
BLE_2M	Ant1	2402	-18.06	<=8	PASS
		2440	-18.09	<=8	PASS
		2480	-17.82	<=8	PASS

Test Graphs





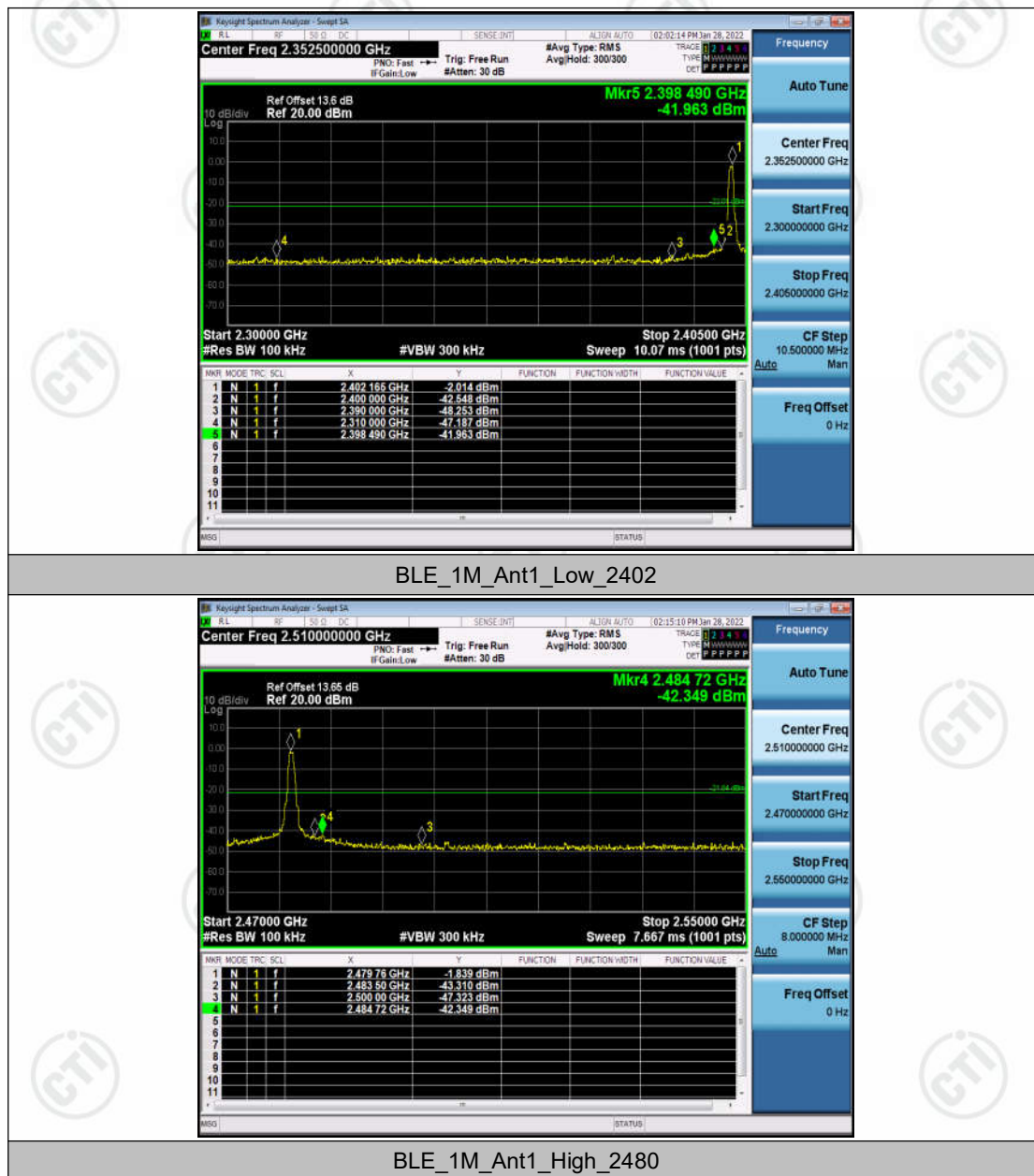


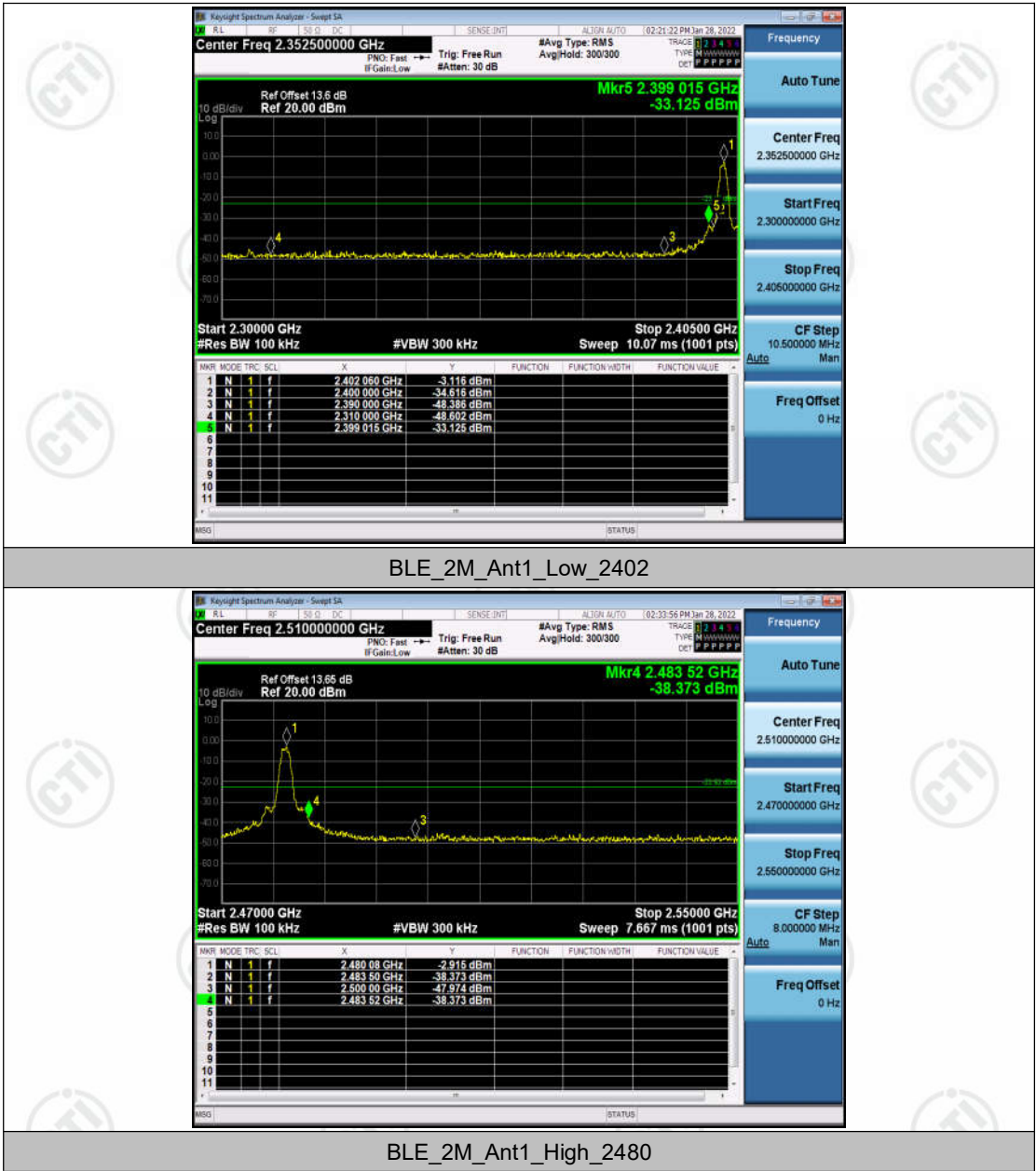
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.01	-41.96	<=-22.01	PASS
		High	2480	-1.84	-42.35	<=-21.84	PASS
BLE_2M	Ant1	Low	2402	-3.12	-33.13	<=-23.12	PASS
		High	2480	-2.92	-38.37	<=-22.92	PASS

Test Graphs



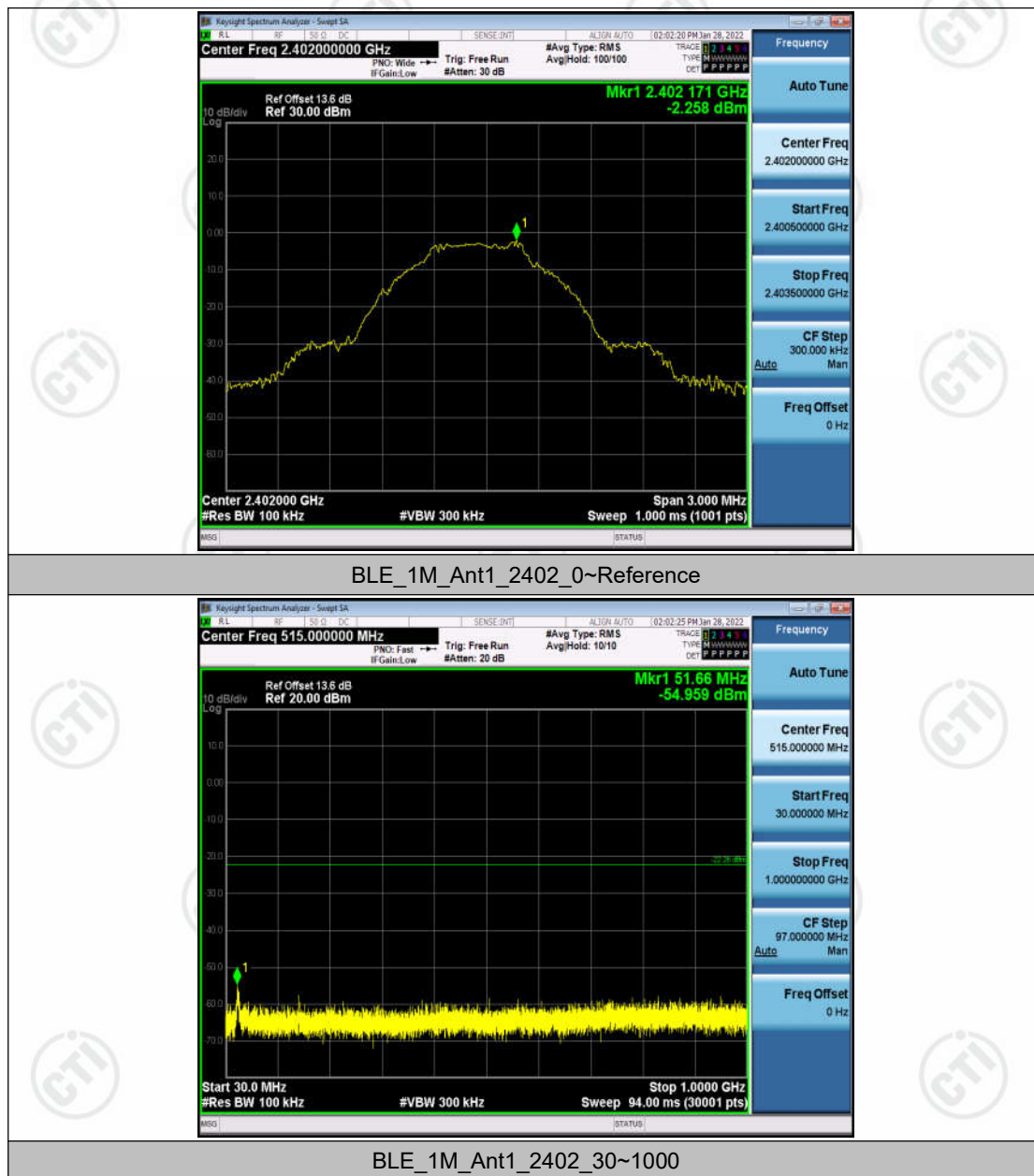


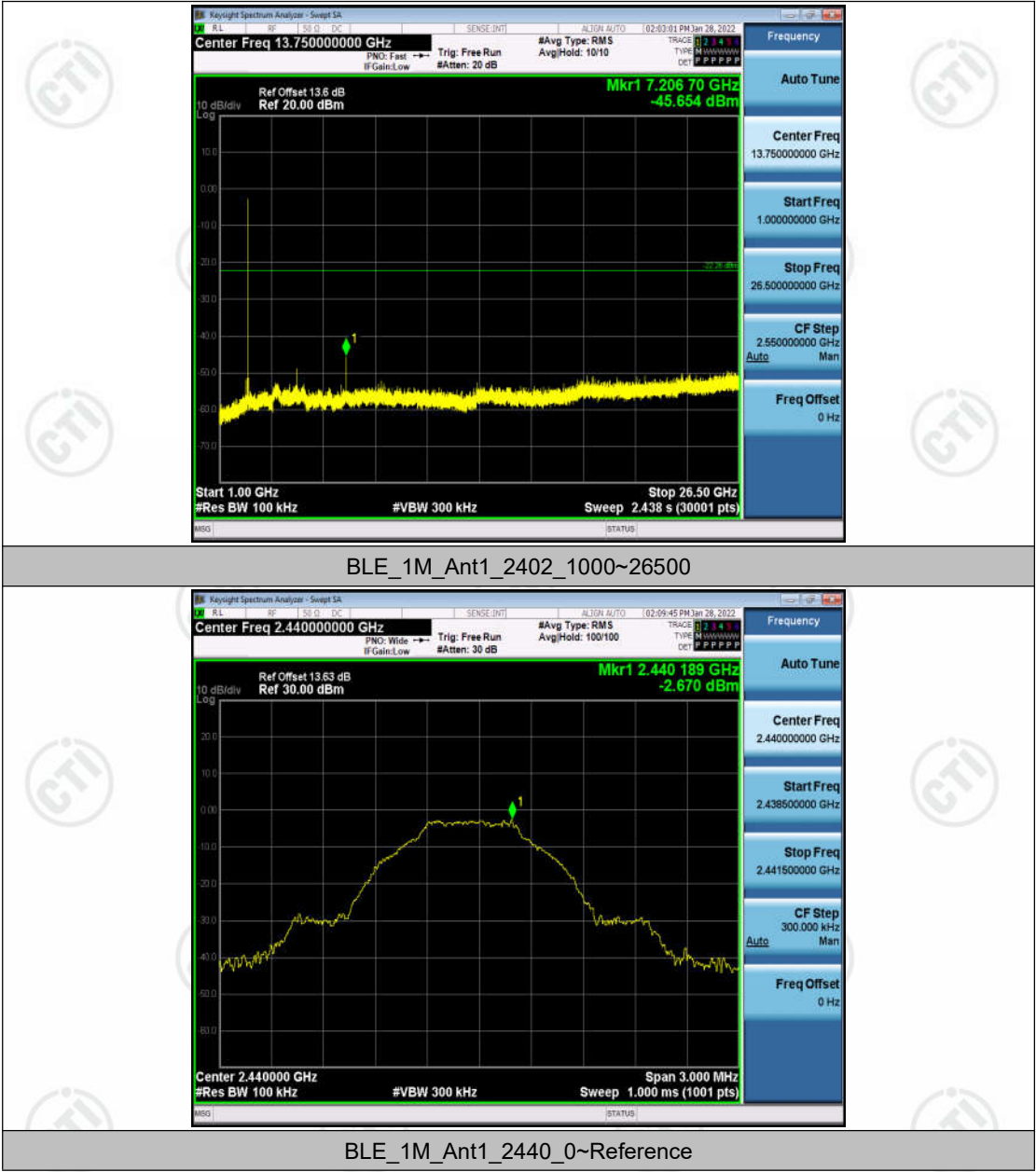
Appendix F: Conducted Spurious Emission

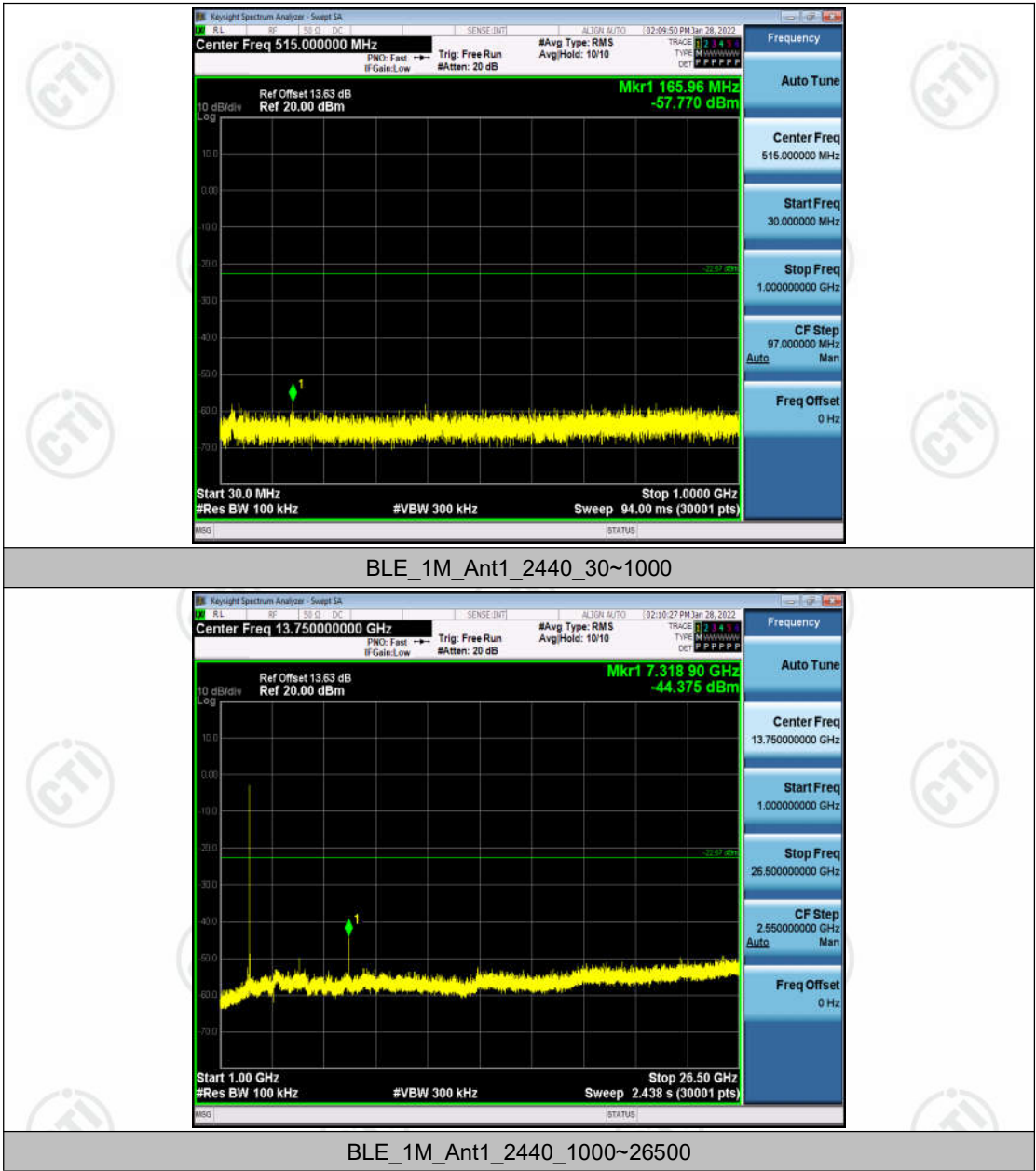
Test Result

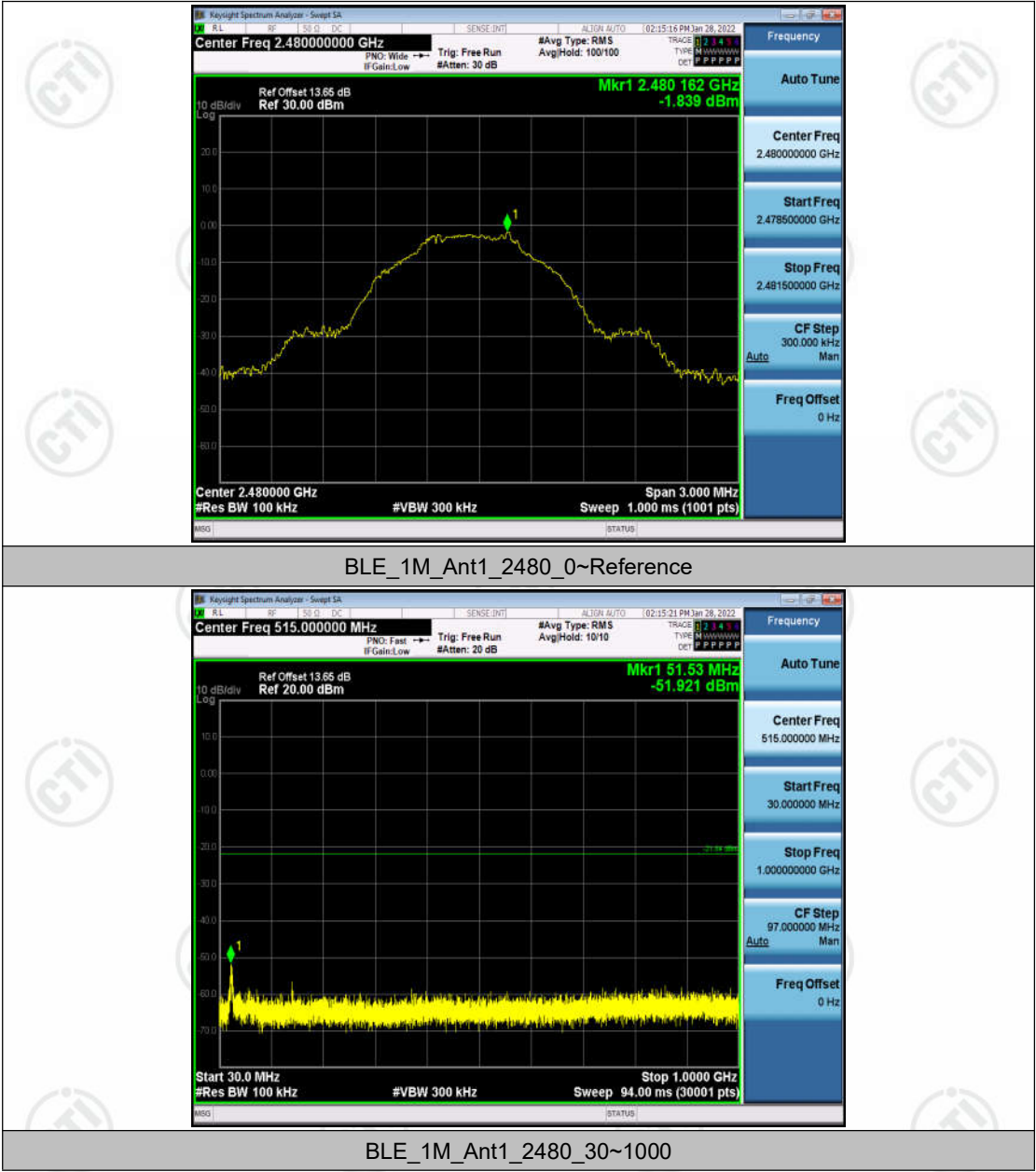
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.26	-2.26	---	PASS
			30~1000	30~1000	-54.959	<=-22.258	PASS
			1000~26500	1000~26500	-45.654	<=-22.258	PASS
		2440	Reference	-2.67	-2.67	---	PASS
			30~1000	30~1000	-57.77	<=-22.67	PASS
			1000~26500	1000~26500	-44.375	<=-22.67	PASS
		2480	Reference	-1.84	-1.84	---	PASS
			30~1000	30~1000	-51.921	<=-21.839	PASS
			1000~26500	1000~26500	-44.932	<=-21.839	PASS
BLE_2M	Ant1	2402	Reference	-3.79	-3.79	---	PASS
			30~1000	30~1000	-55.771	<=-23.787	PASS
			1000~26500	1000~26500	-46.086	<=-23.787	PASS
		2440	Reference	-3.73	-3.73	---	PASS
			30~1000	30~1000	-53.943	<=-23.726	PASS
			1000~26500	1000~26500	-48.453	<=-23.726	PASS
		2480	Reference	-3.55	-3.55	---	PASS
			30~1000	30~1000	-53.05	<=-23.546	PASS
			1000~26500	1000~26500	-49.759	<=-23.546	PASS

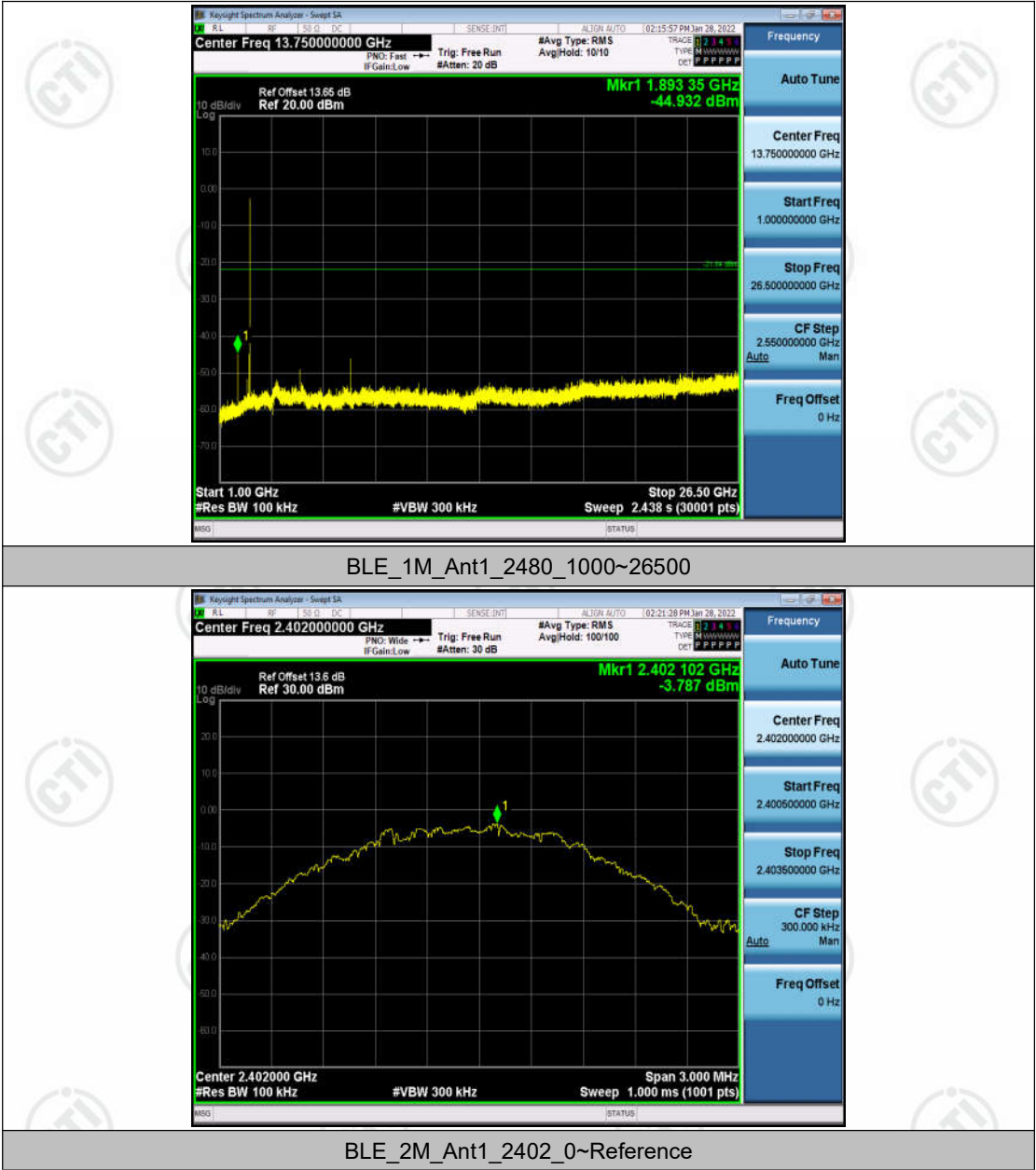
Test Graphs

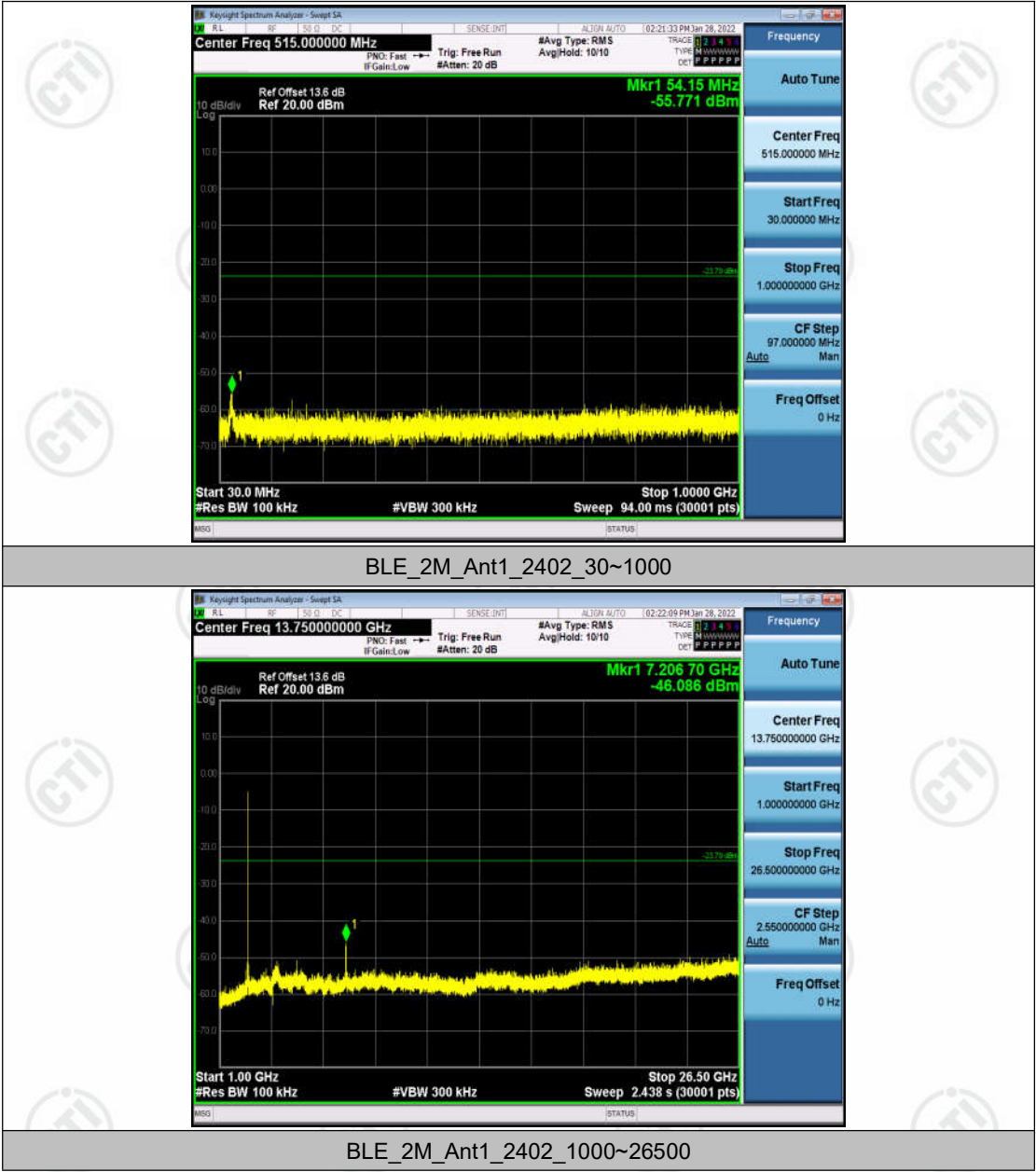


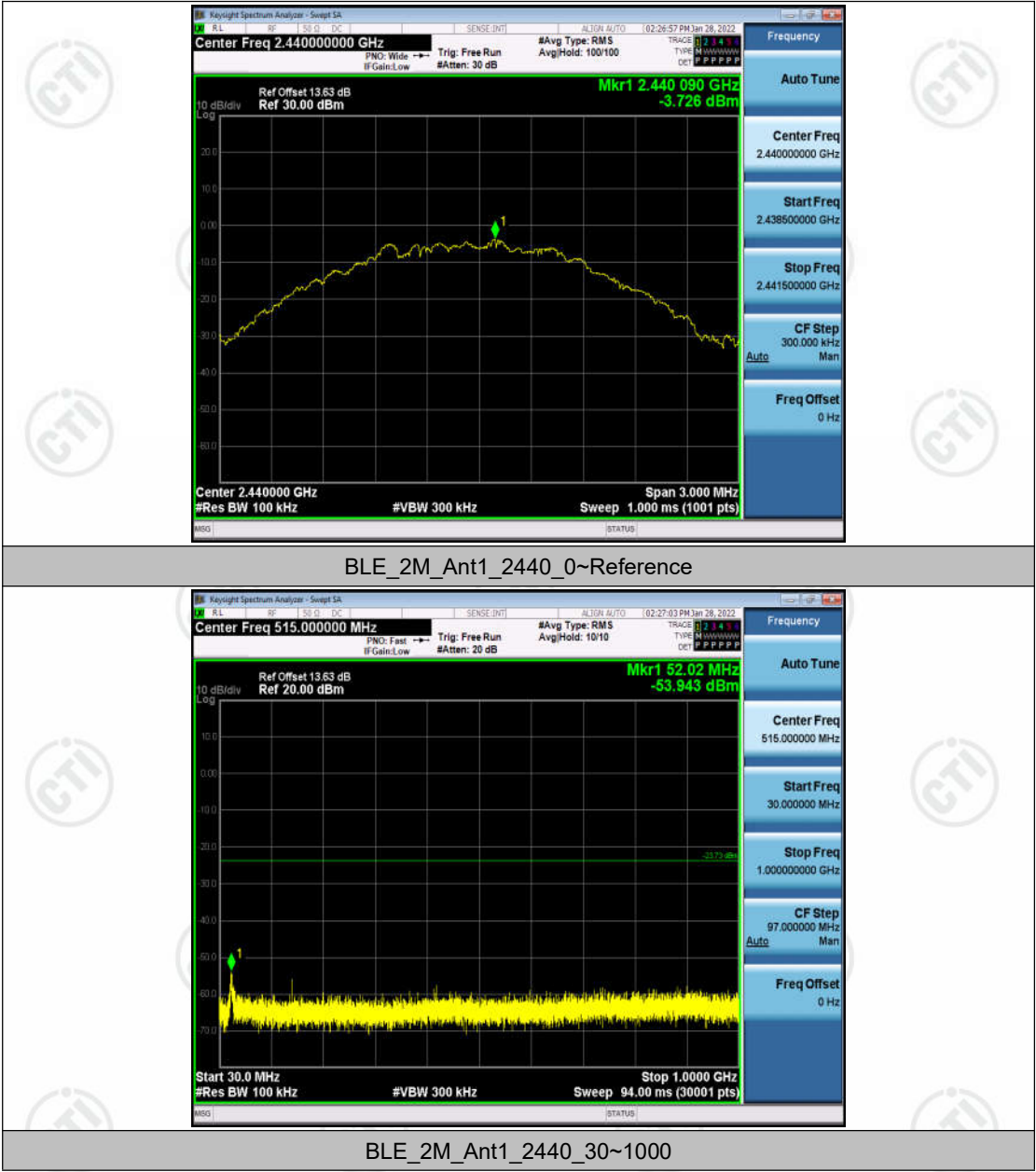


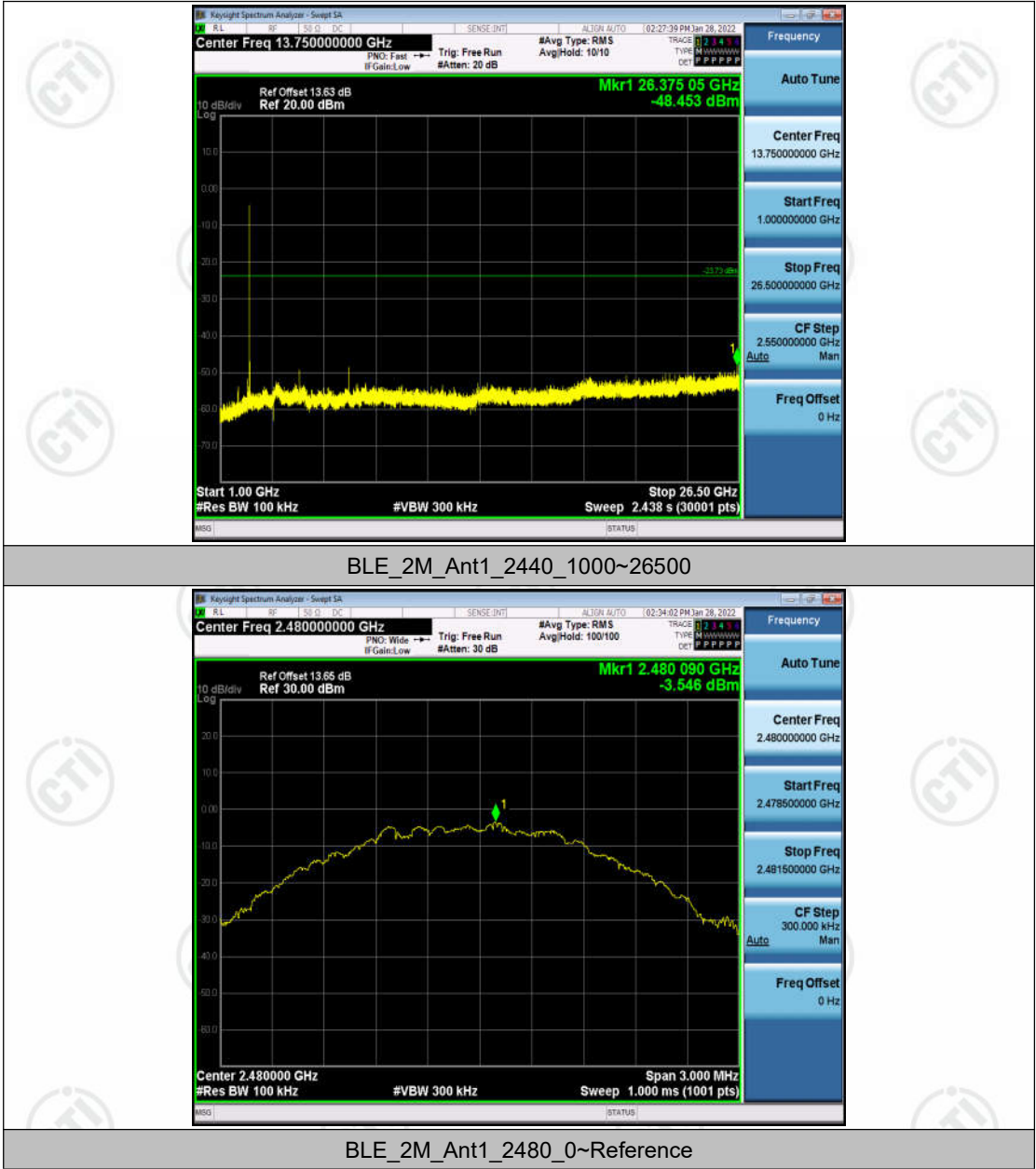


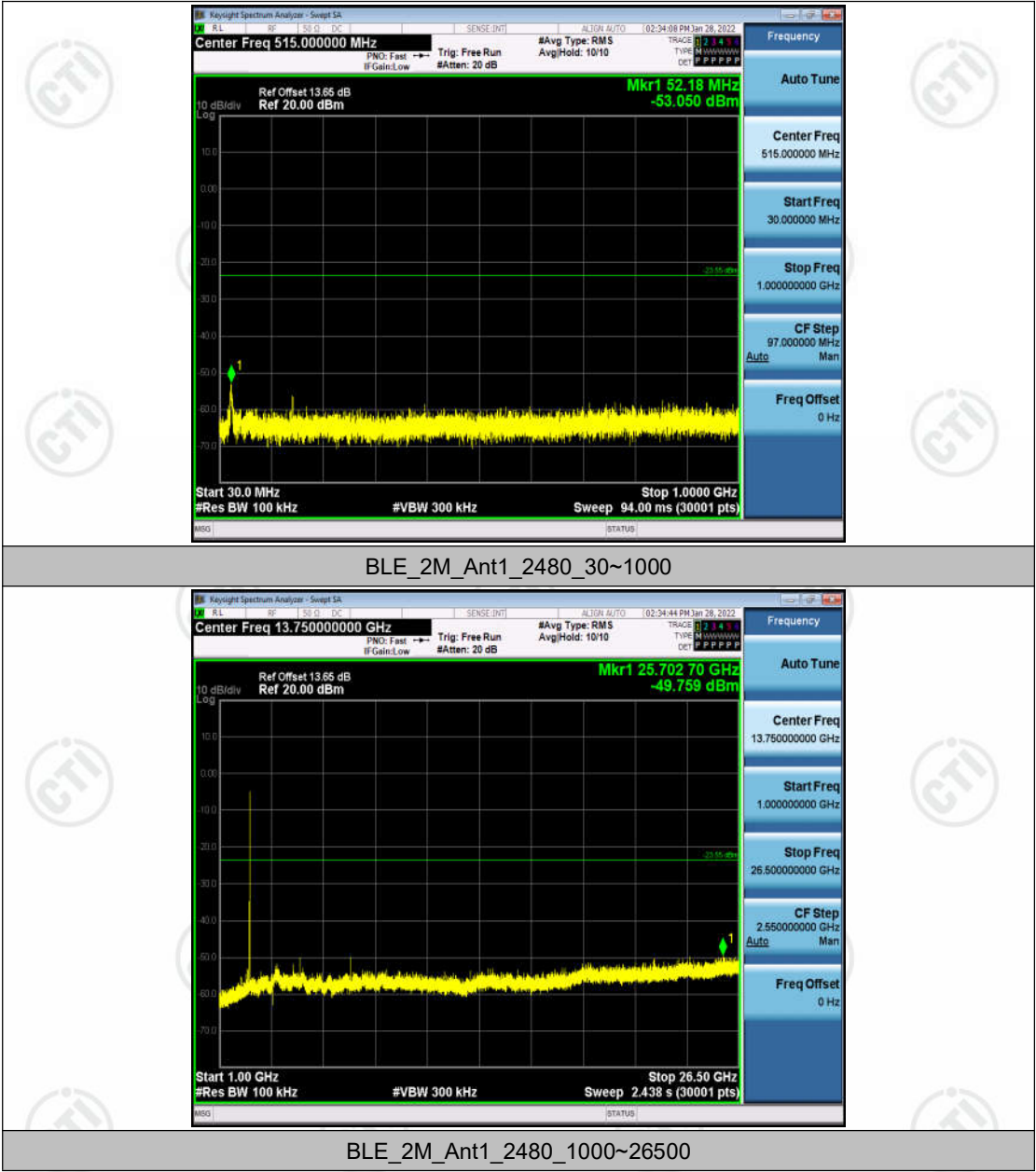










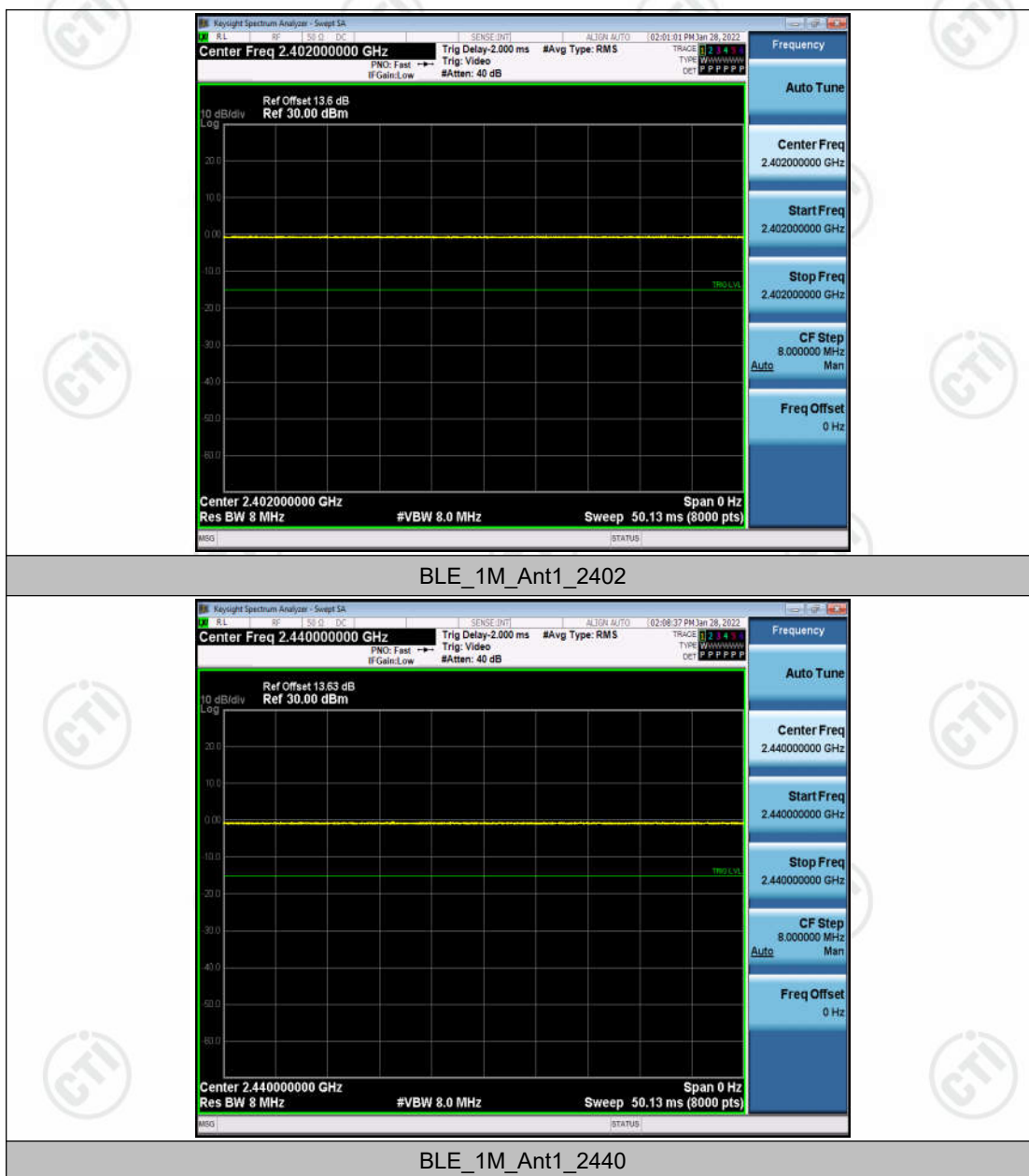


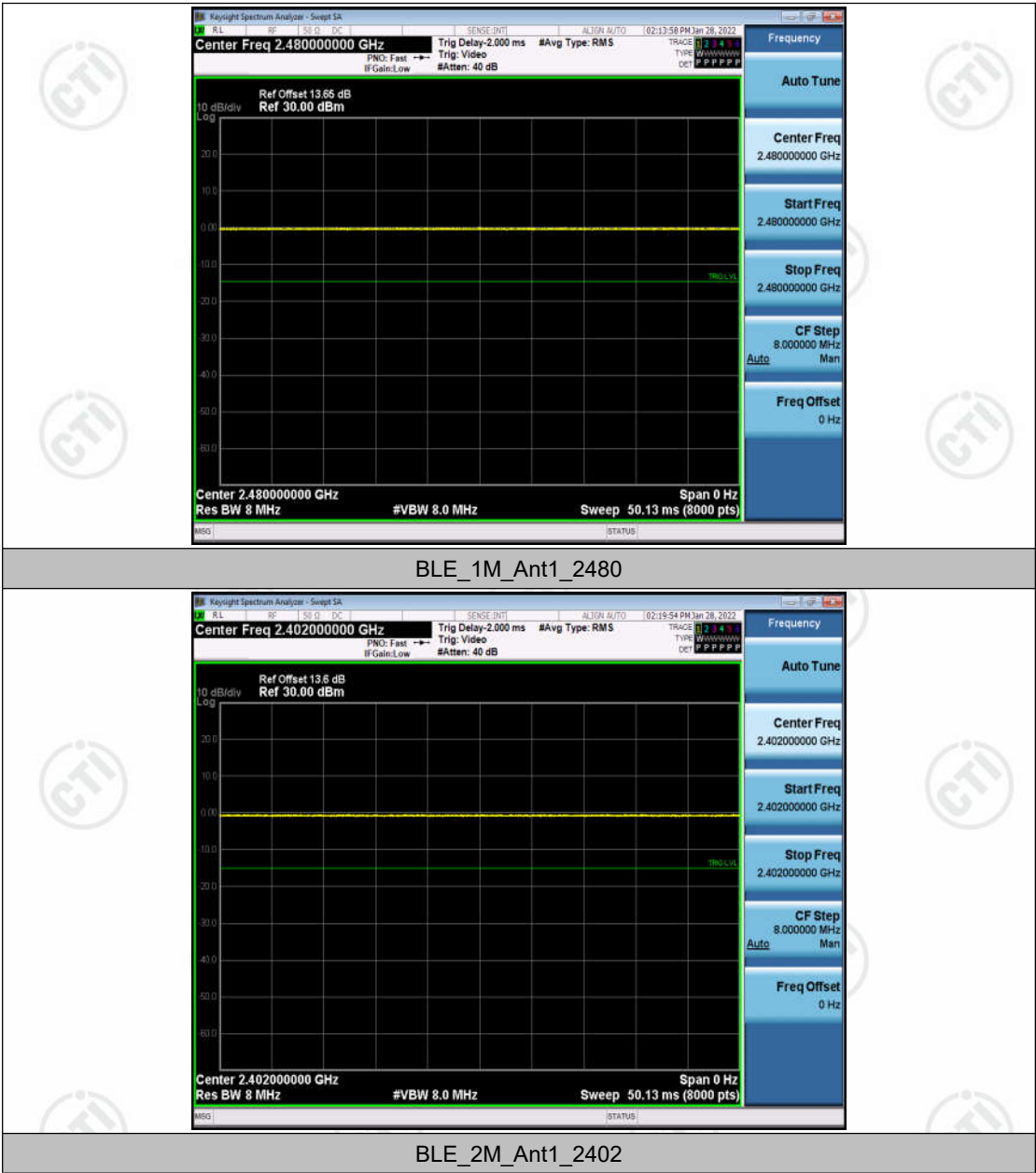
Appendix G: Duty Cycle

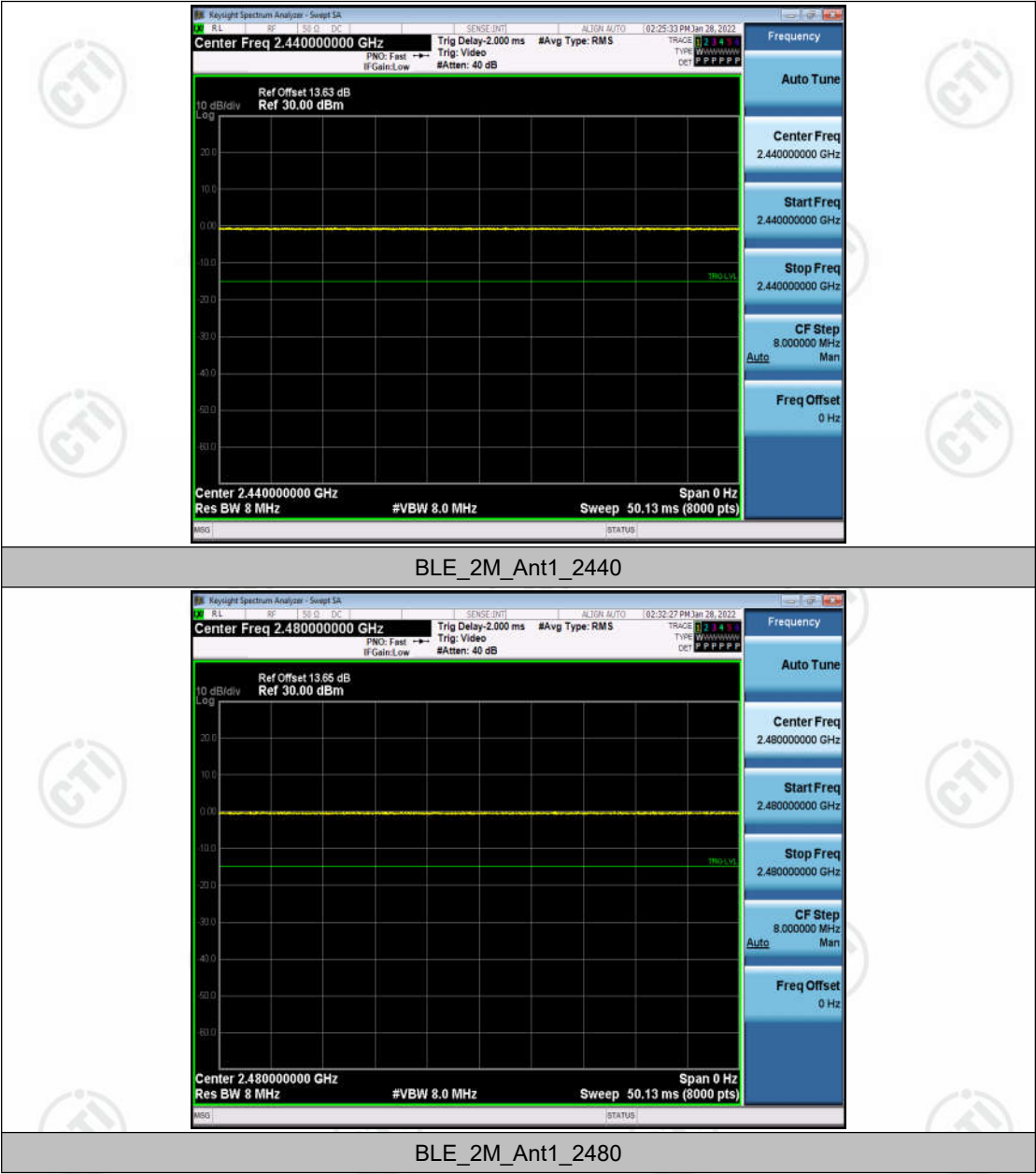
Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	50.00	50.00	100.00	---	PASS
		2440	50.00	50.00	100.00	---	PASS
		2480	50.00	50.00	100.00	---	PASS
BLE_2M	Ant1	2402	50.00	50.00	100.00	---	PASS
		2440	50.00	50.00	100.00	---	PASS
		2480	50.00	50.00	100.00	---	PASS

Test Graphs







*** End of Report ***