

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	Ant1	2402	0.658	2401.666	2402.324	0.5	PASS
		2440	0.656	2439.668	2440.324	0.5	PASS
		2480	0.680	2479.656	2480.336	0.5	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440





Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0215	2401.503	2402.524	---	PASS
		2440	0.99802	2439.511	2440.509	---	PASS
		2480	1.0301	2479.496	2480.526	---	PASS

Test Graphs



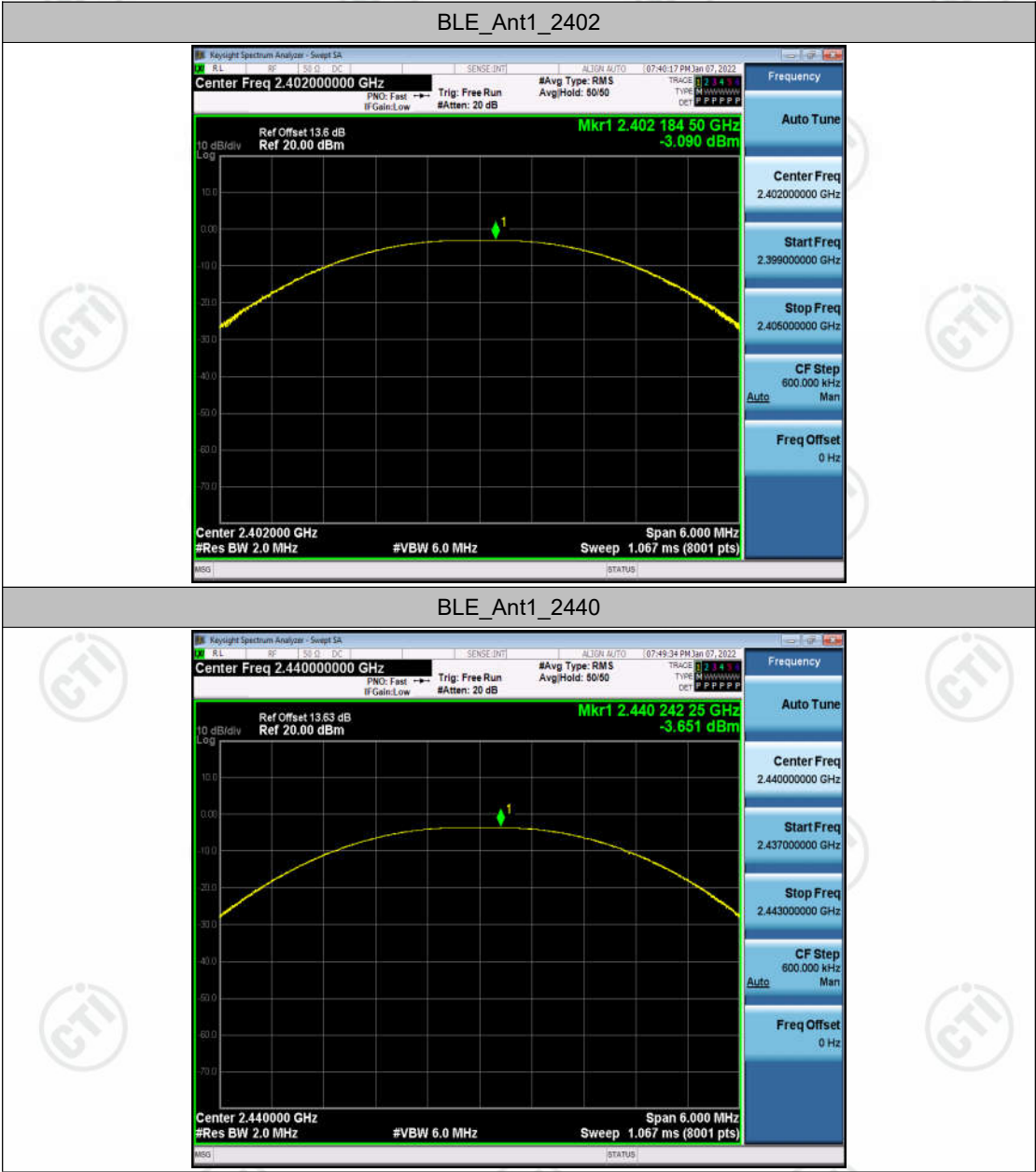


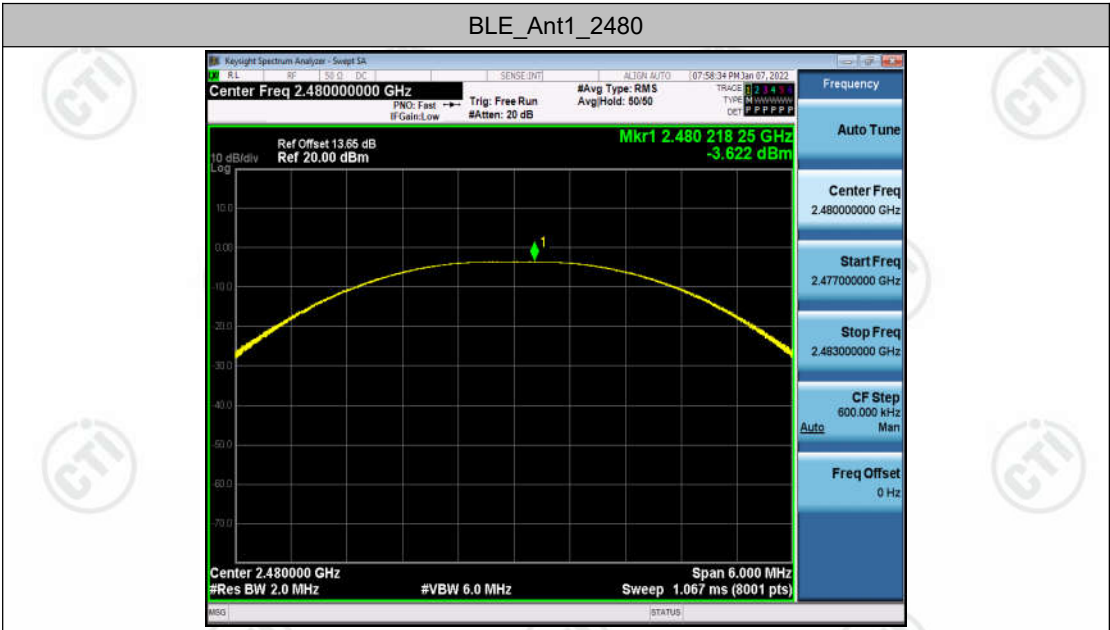
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	-3.09	<=30	PASS
		2440	-3.65	<=30	PASS
		2480	-3.62	<=30	PASS

Test Graphs



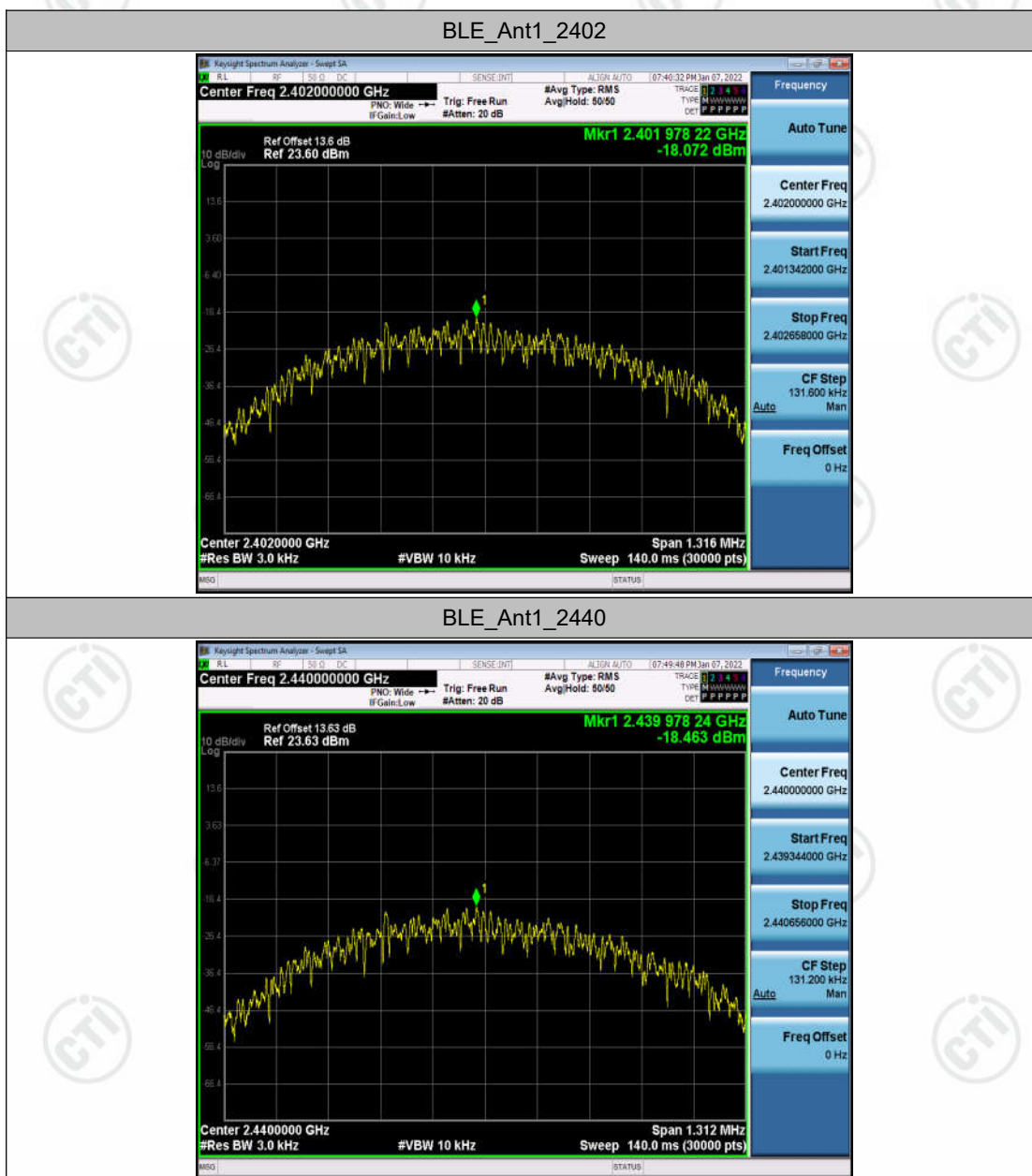


Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-18.07	<=8	PASS
		2440	-18.46	<=8	PASS
		2480	-18.6	<=8	PASS

Test Graphs



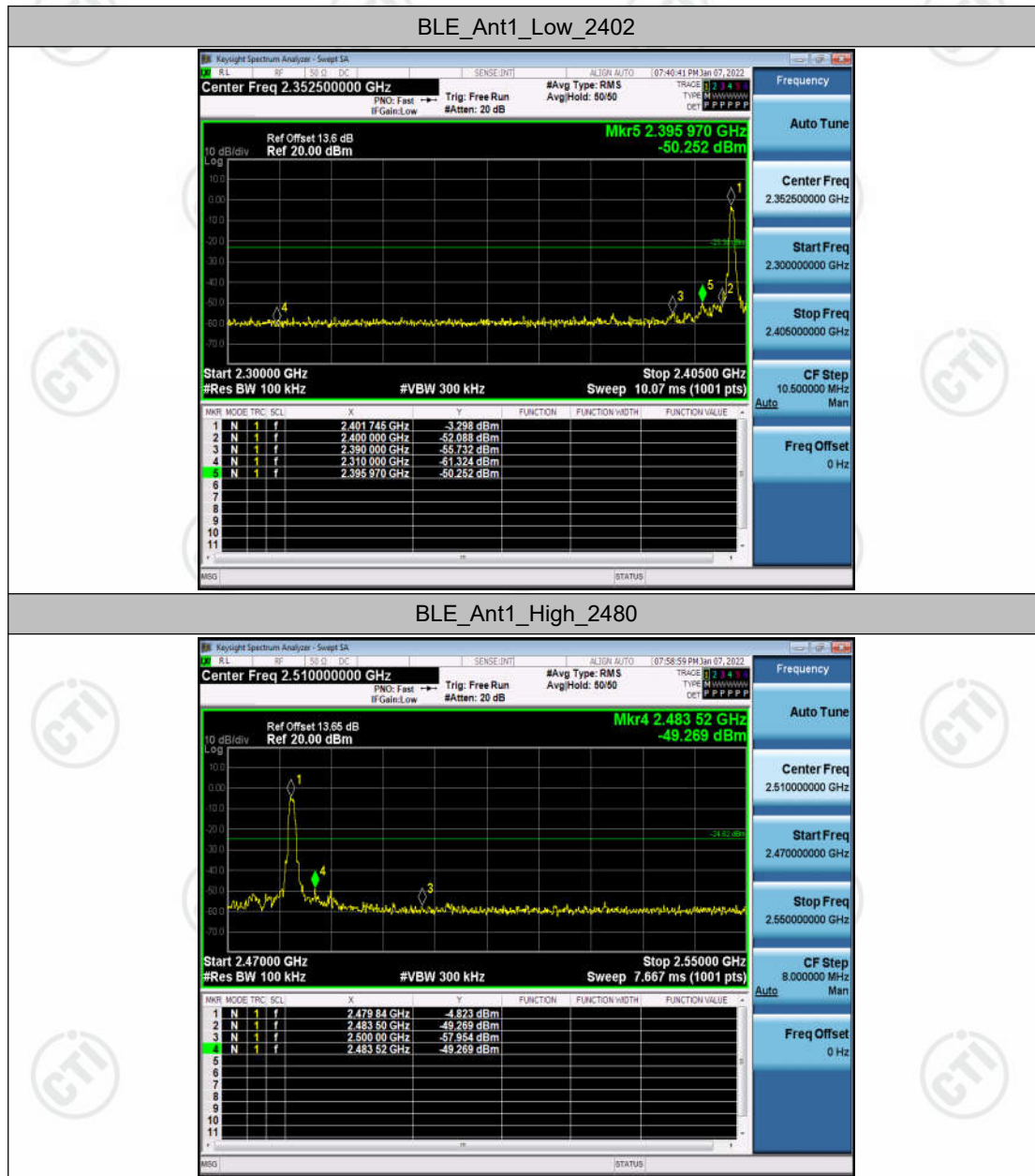


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-3.30	-50.25	<=-23.3	PASS
		High	2480	-4.82	-49.27	<=-24.82	PASS

Test Graphs

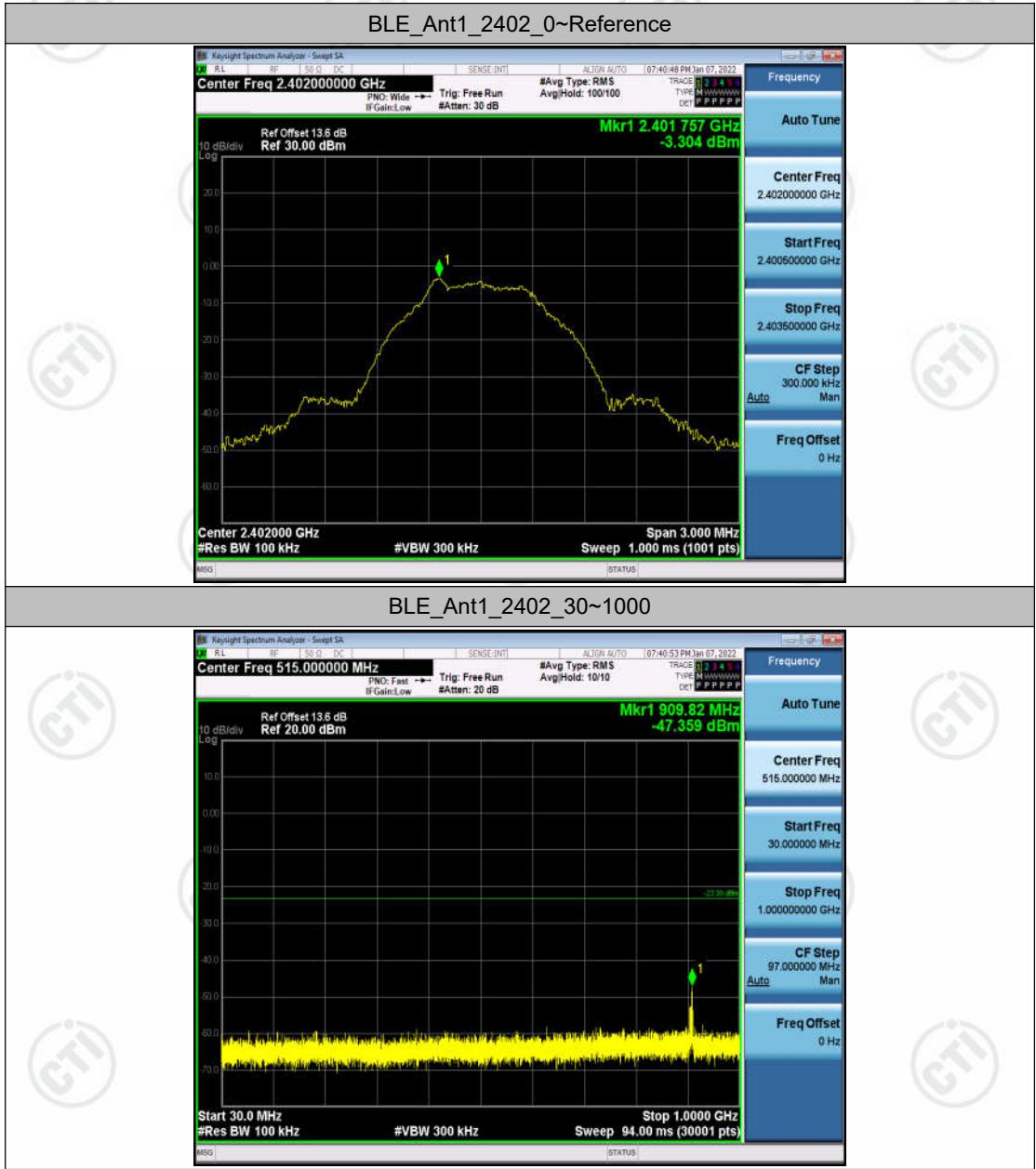


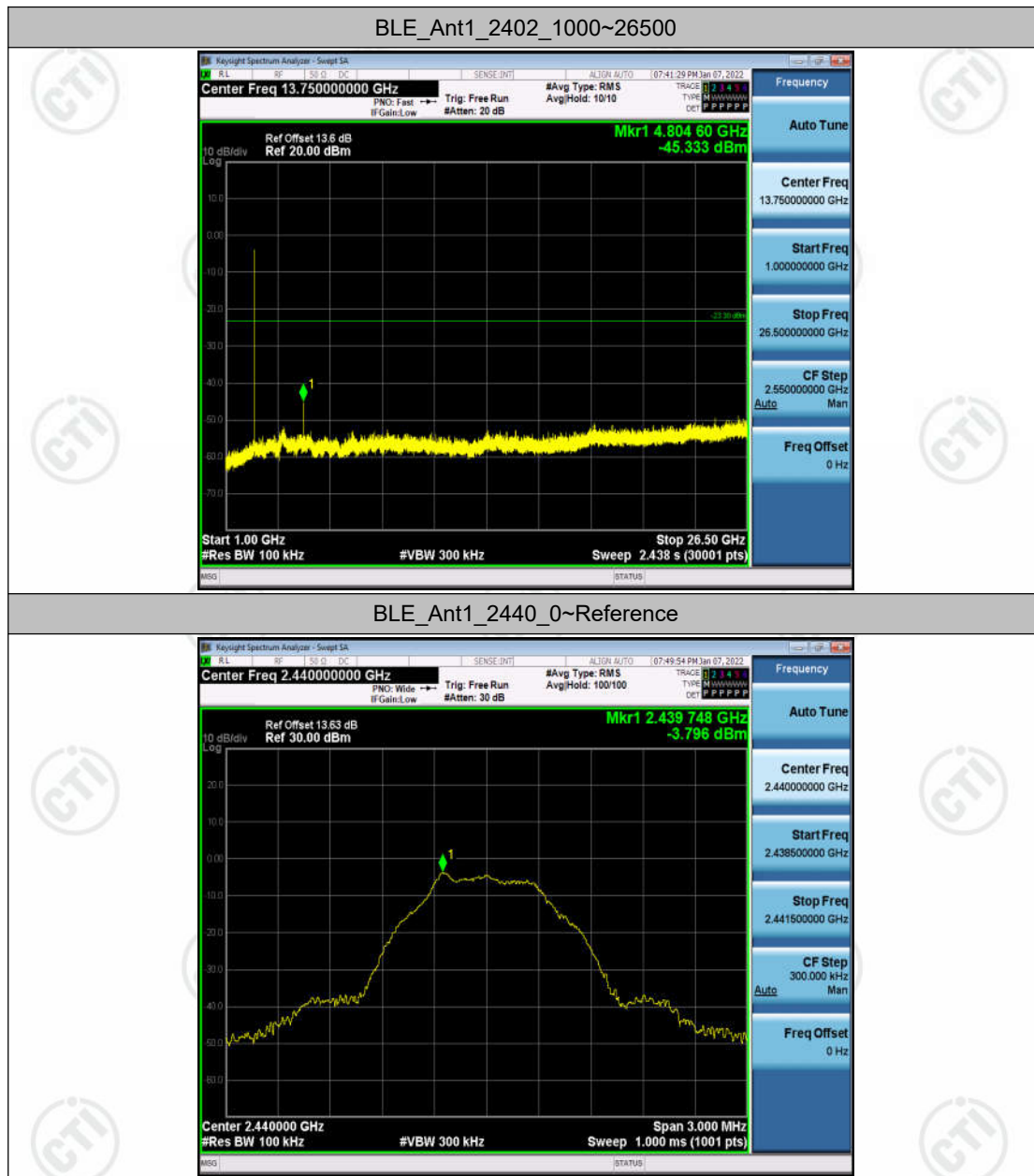
Appendix F: Conducted Spurious Emission

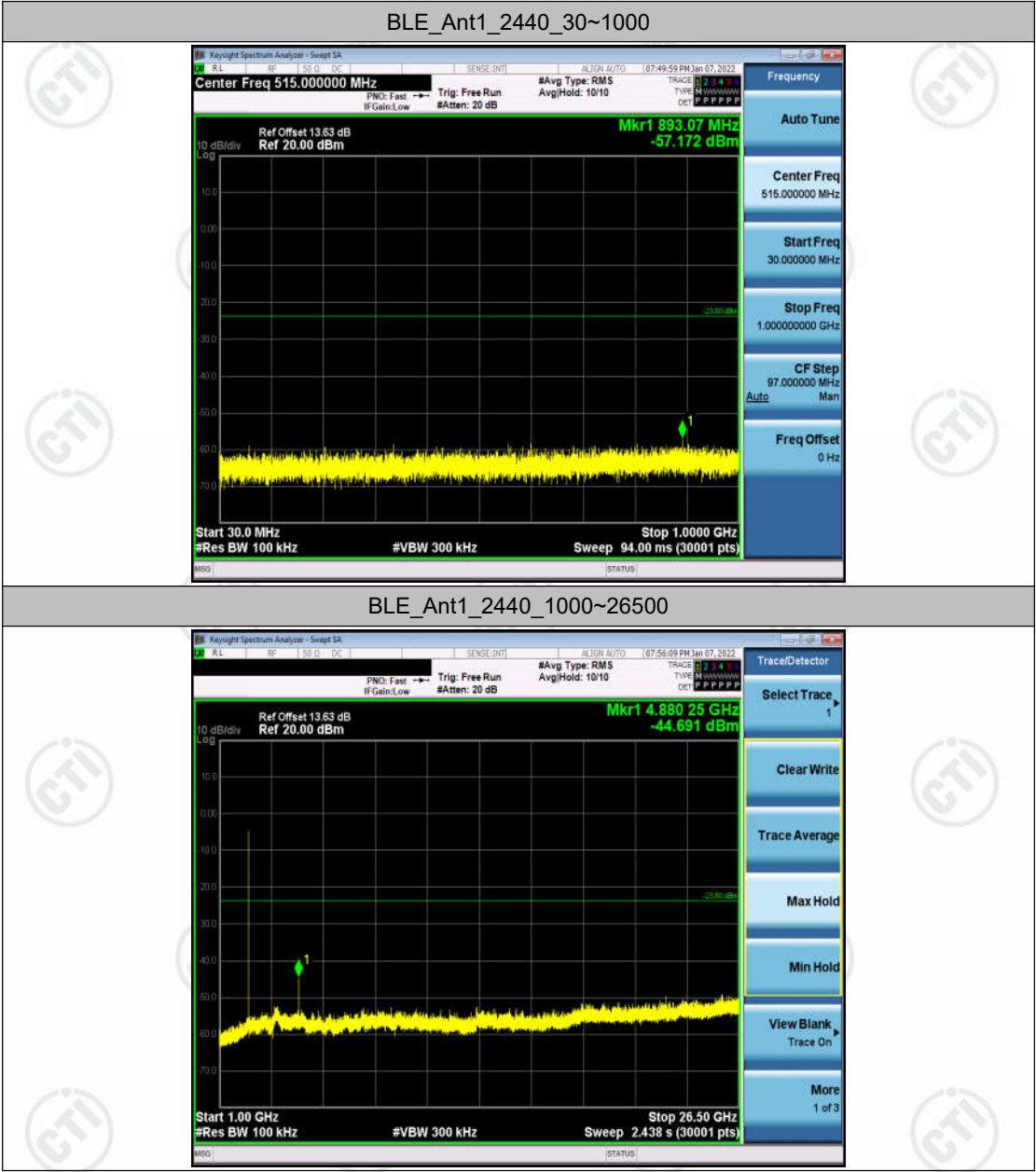
Test Result

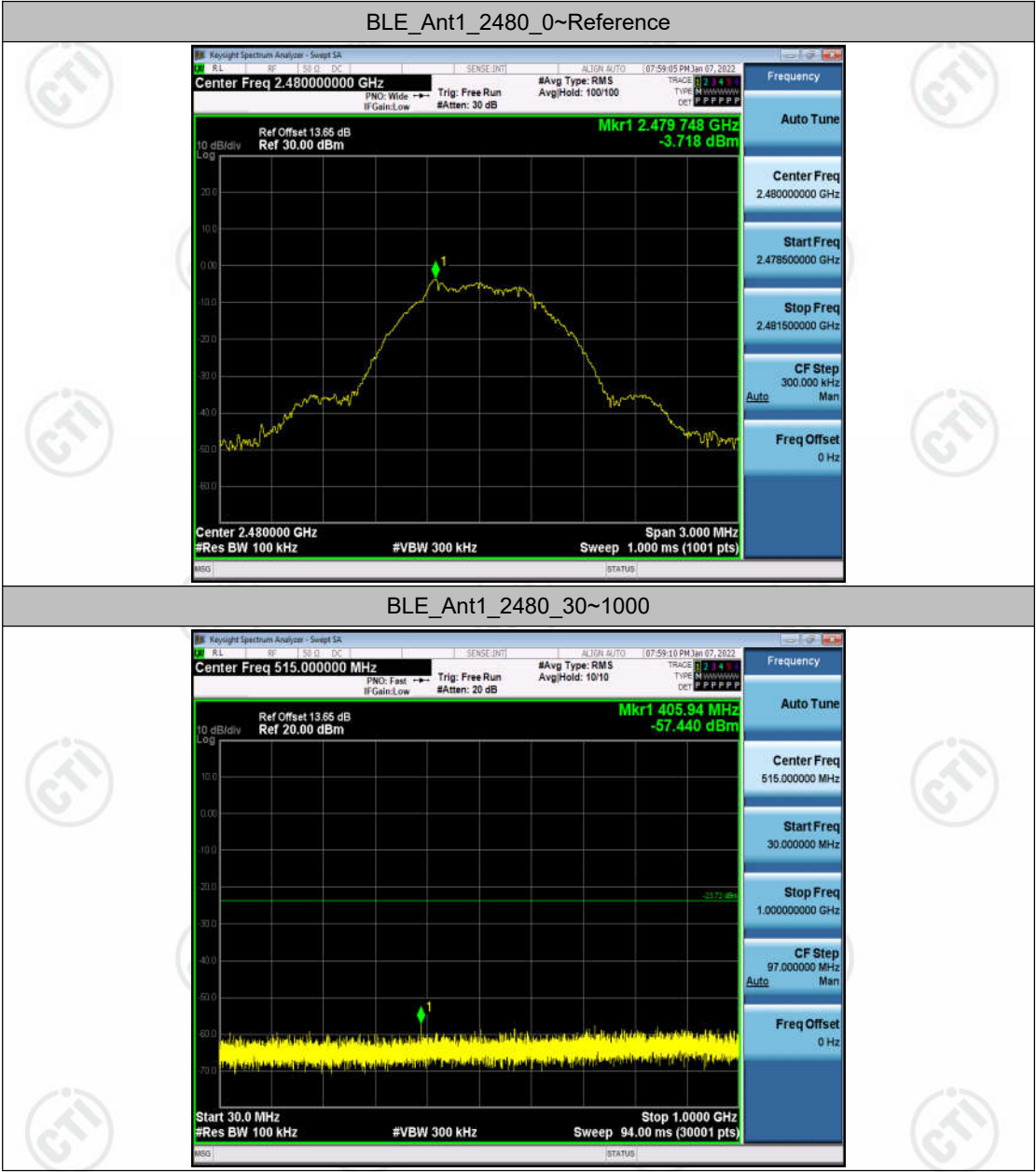
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-3.30	-3.30	---	PASS
			30~1000	---	-47.359	<=-23.304	PASS
			1000~26500	---	-45.333	<=-23.304	PASS
		2440	Reference	-3.80	-3.80	---	PASS
			30~1000	---	-57.172	<=-23.796	PASS
			1000~26500	---	-44.691	<=-23.796	PASS
		2480	Reference	-3.72	-3.72	---	PASS
			30~1000	---	-57.44	<=-23.718	PASS
			1000~26500	---	-44.576	<=-23.718	PASS

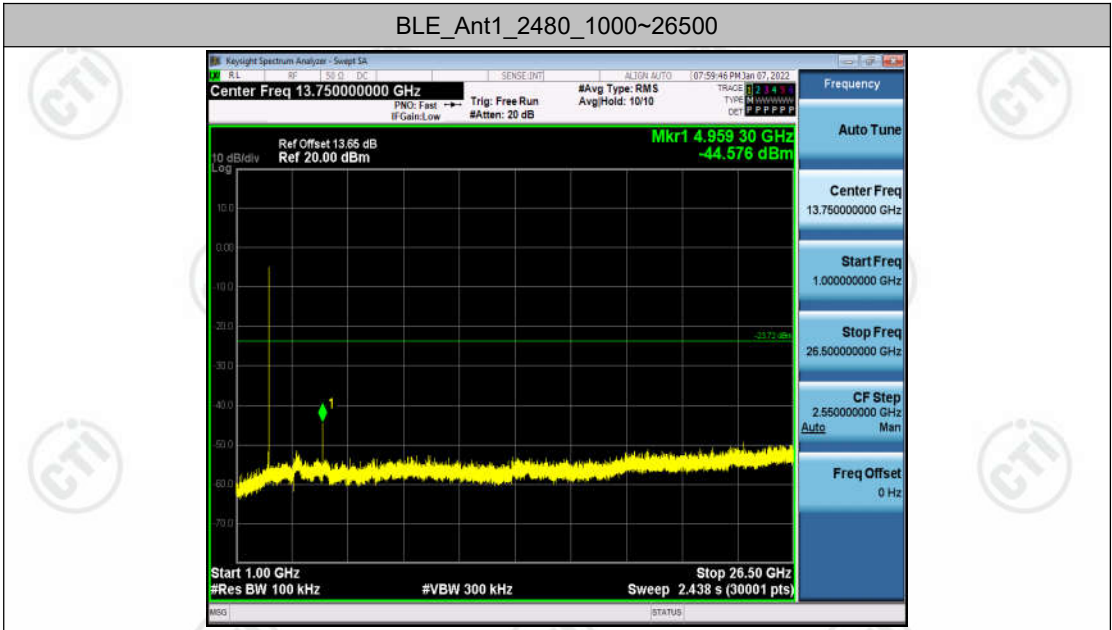
Test Graphs









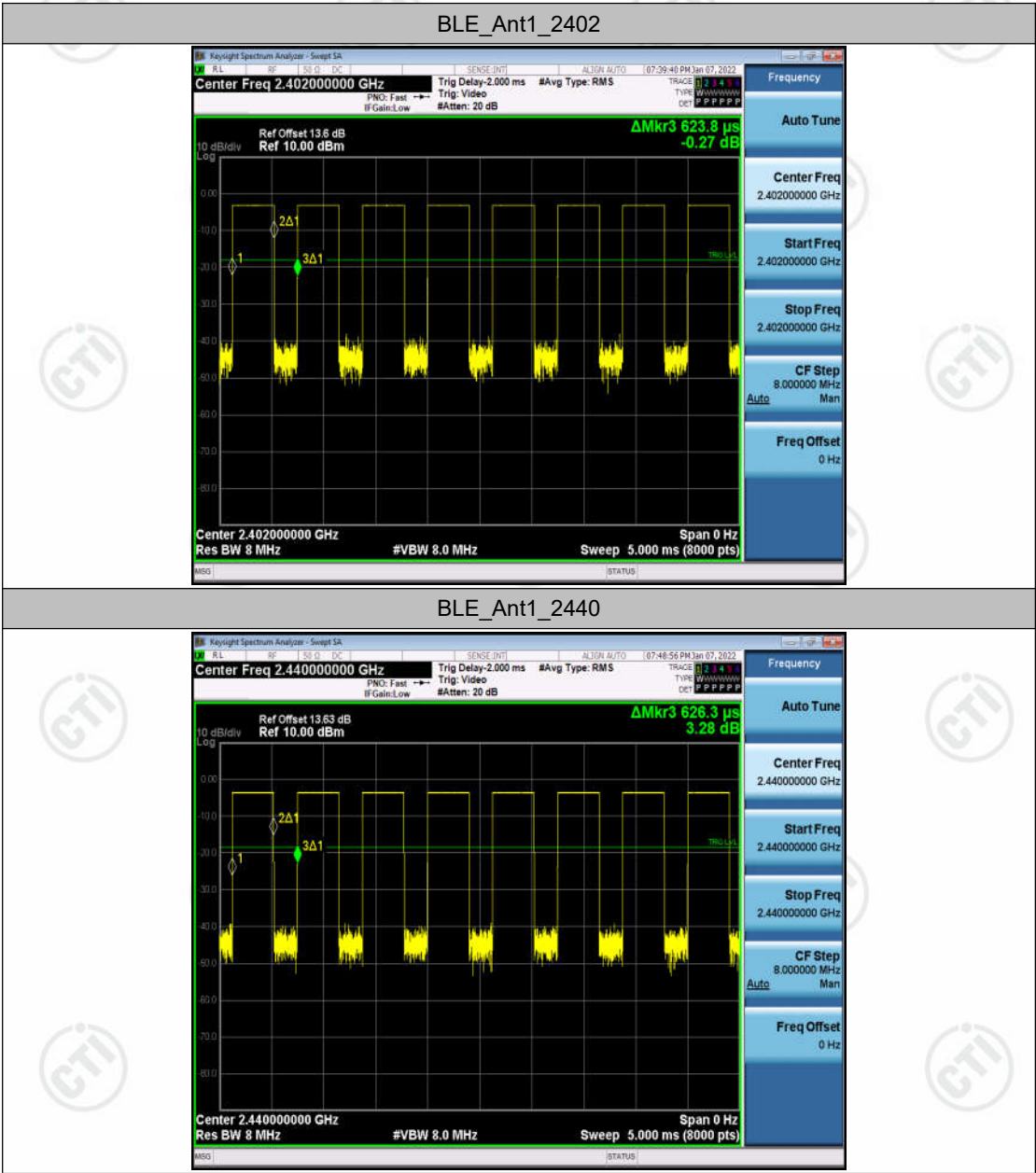


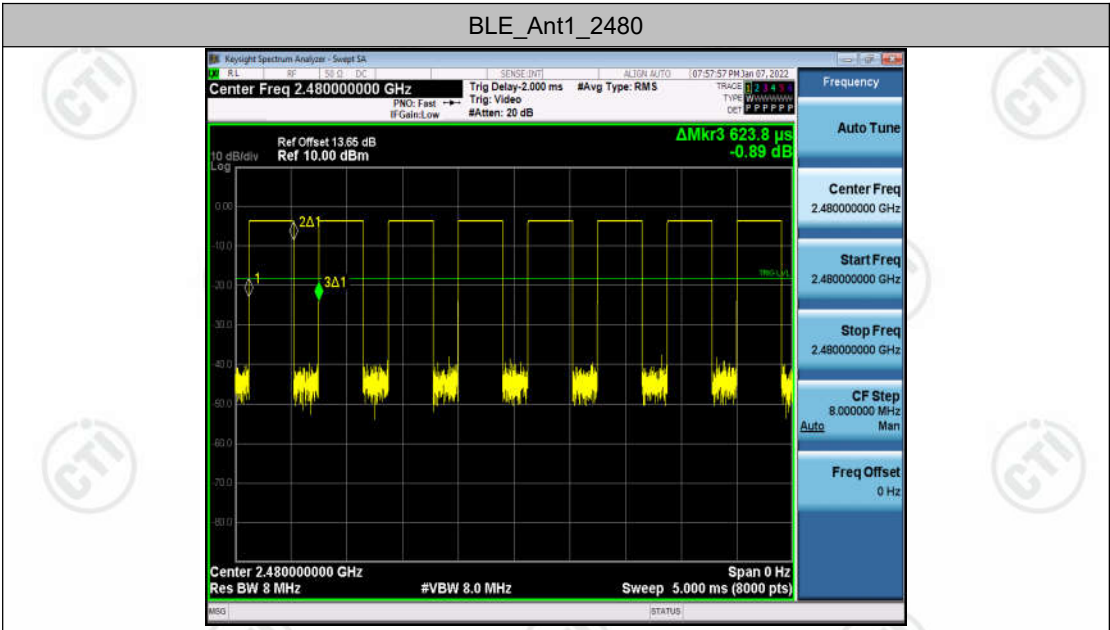
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE	Ant1	2402	0.40	0.62	64.03	---	PASS
		2440	0.40	0.63	63.87	---	PASS
		2480	0.40	0.62	64.03	---	PASS

Test Graphs





*** End of Report ***