

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	0.690	2401.656	2402.346	0.5	PASS
		2440	0.670	2439.666	2440.336	0.5	PASS
		2480	0.690	2479.652	2480.342	0.5	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



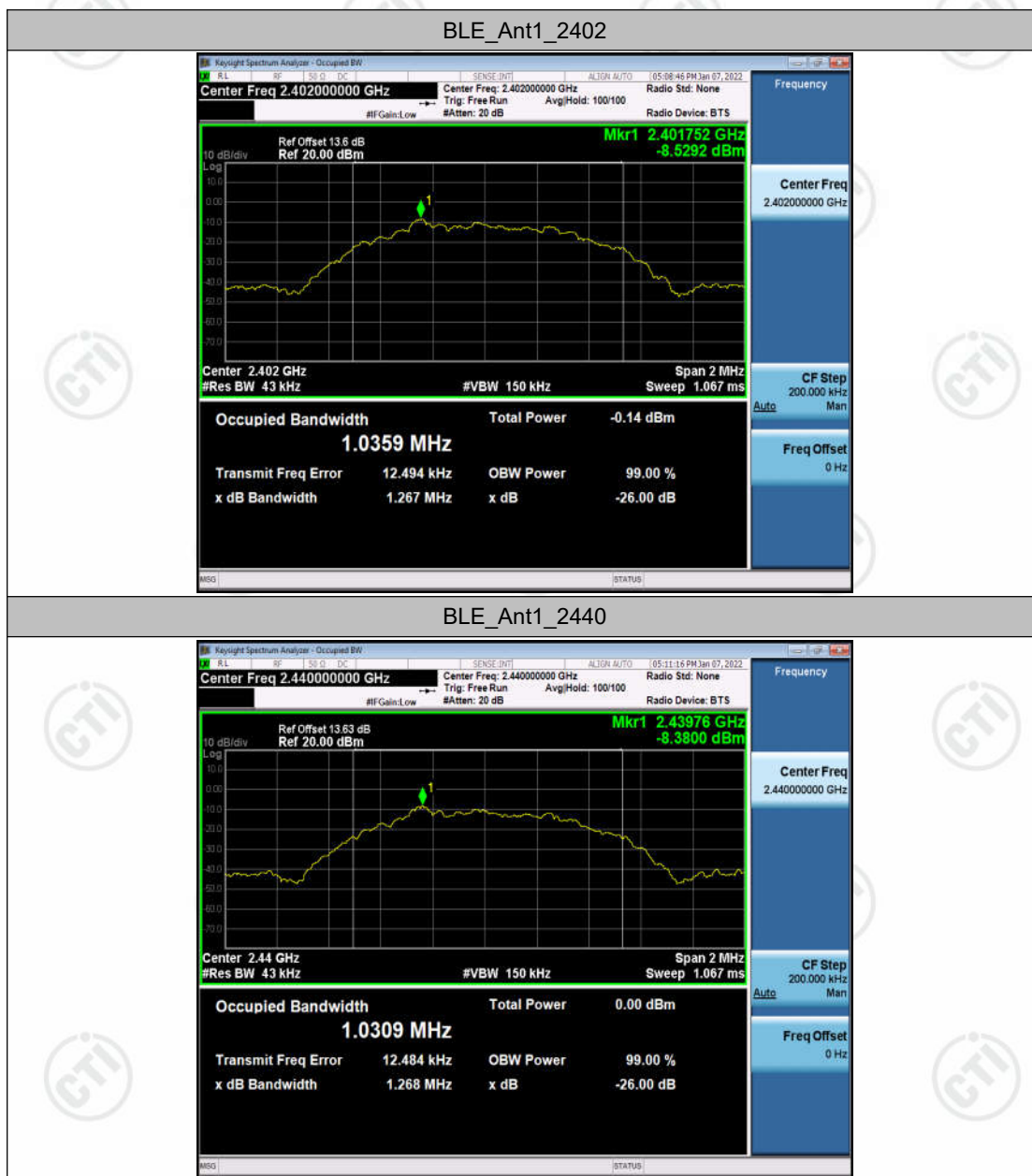


Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0359	2401.495	2402.530	---	PASS
		2440	1.0309	2439.497	2440.528	---	PASS
		2480	1.0345	2479.495	2480.529	---	PASS

Test Graphs





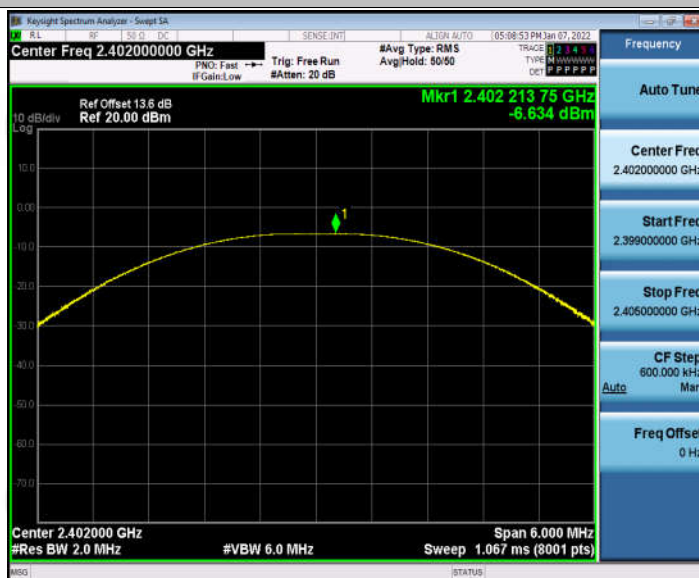
Appendix C: Maximum conducted output power

Test Result

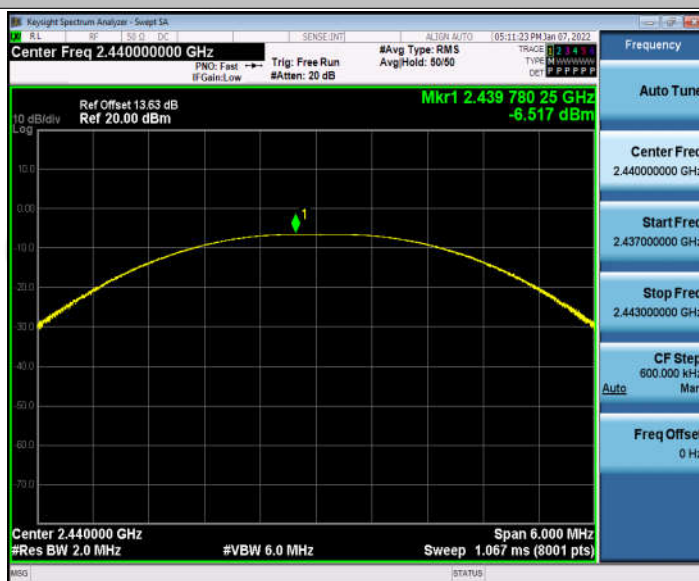
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	-6.63	<=30	PASS
		2440	-6.52	<=30	PASS
		2480	-6.45	<=30	PASS

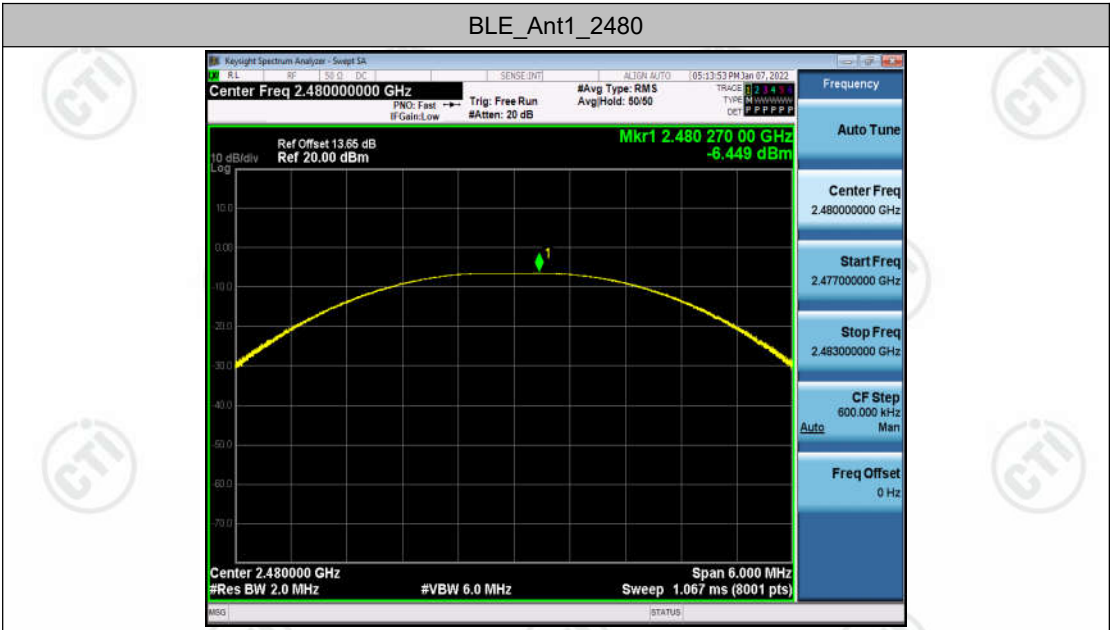
Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



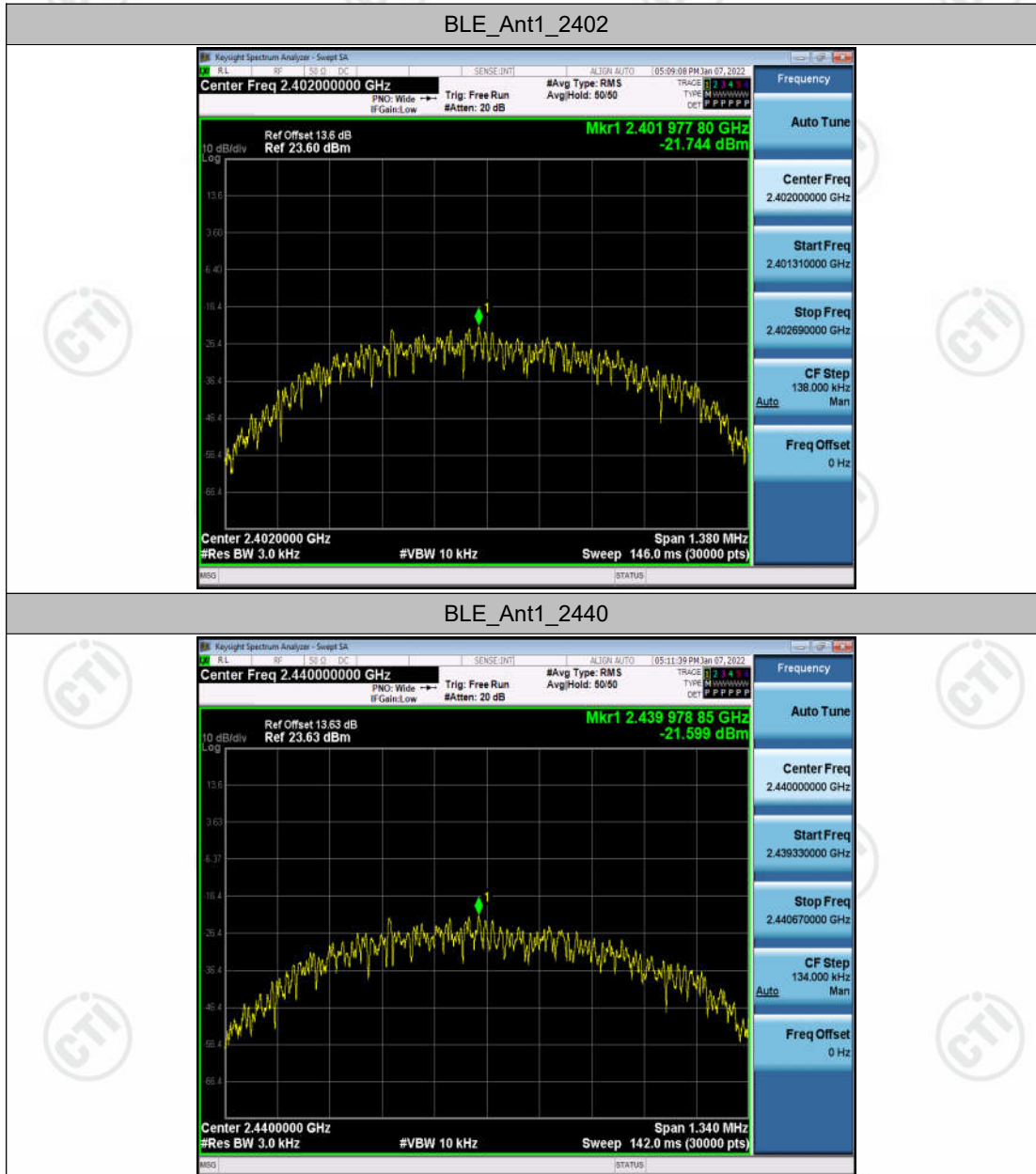


Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-21.74	<=8	PASS
		2440	-21.6	<=8	PASS
		2480	-21.51	<=8	PASS

Test Graphs



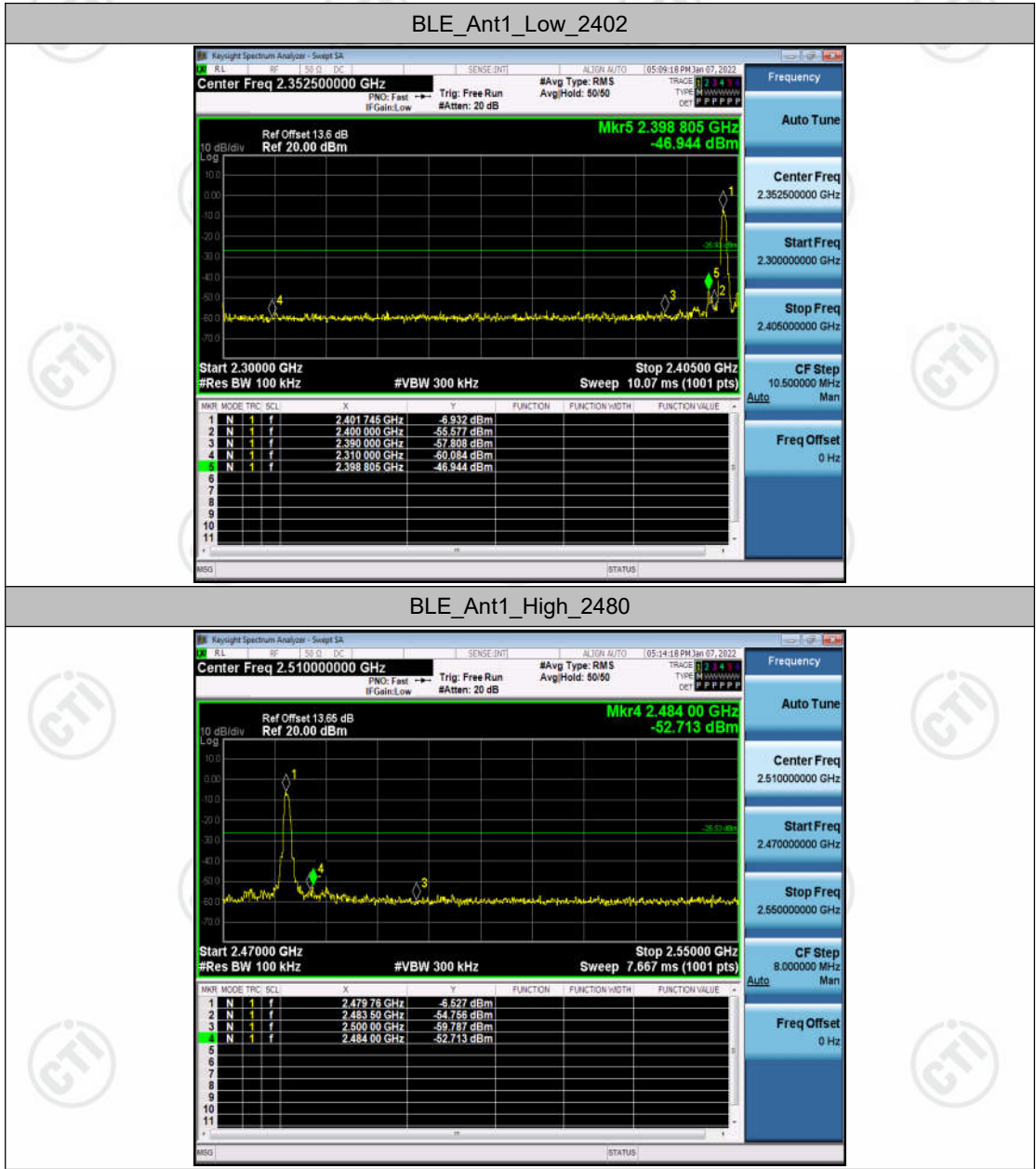


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-6.93	-46.94	<=-26.93	PASS
		High	2480	-6.53	-52.71	<=-26.53	PASS

Test Graphs

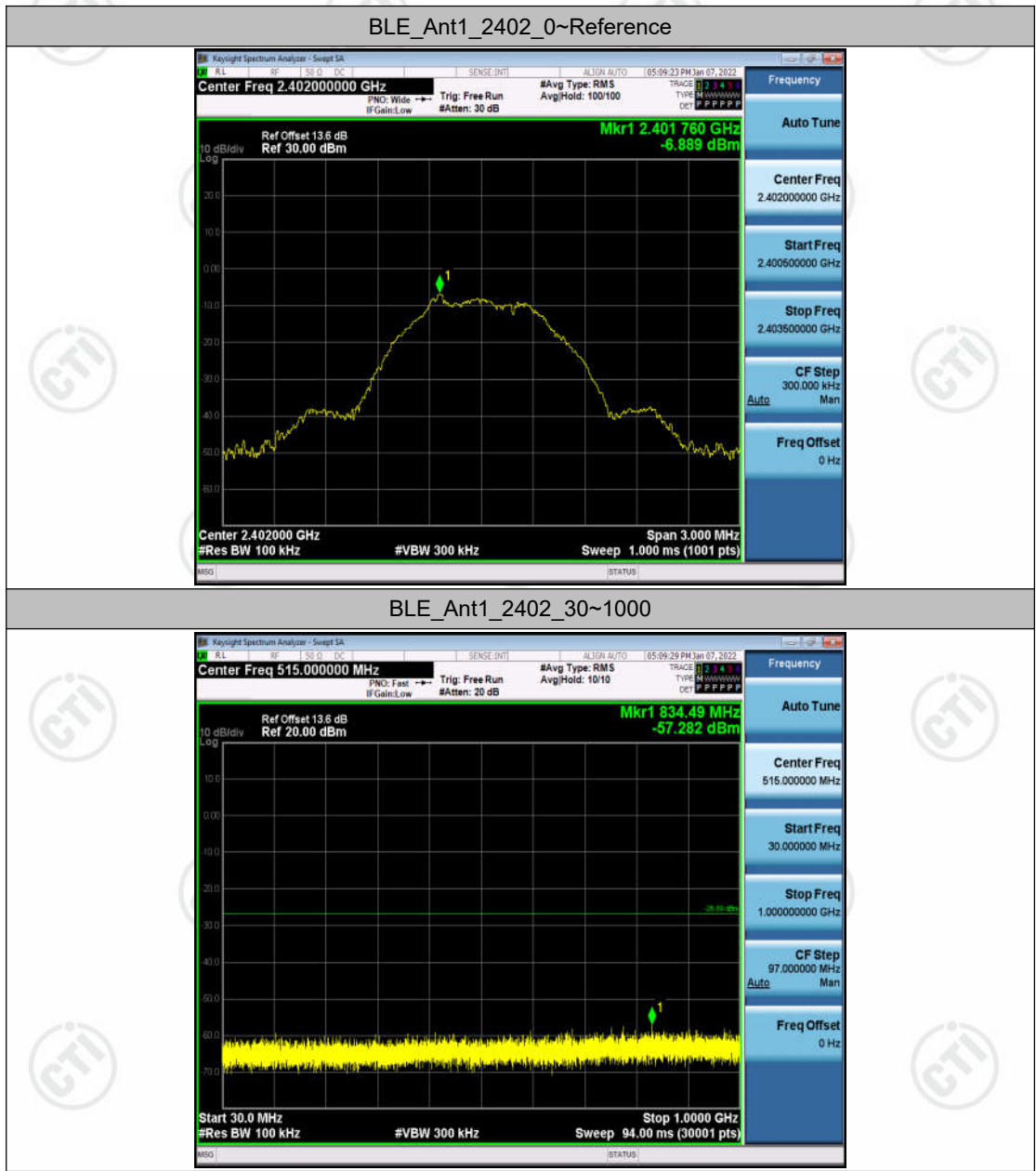


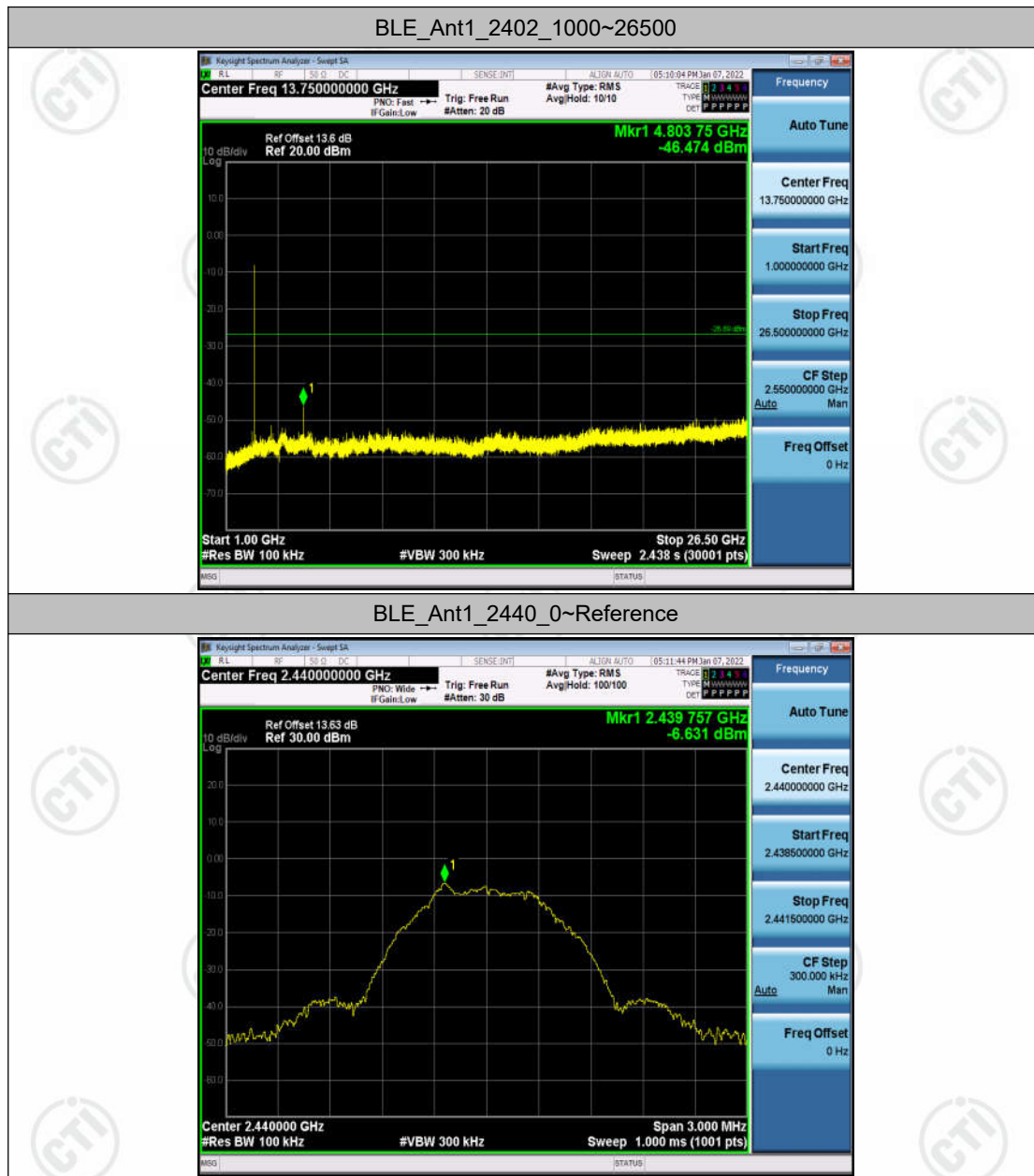
Appendix F: Conducted Spurious Emission

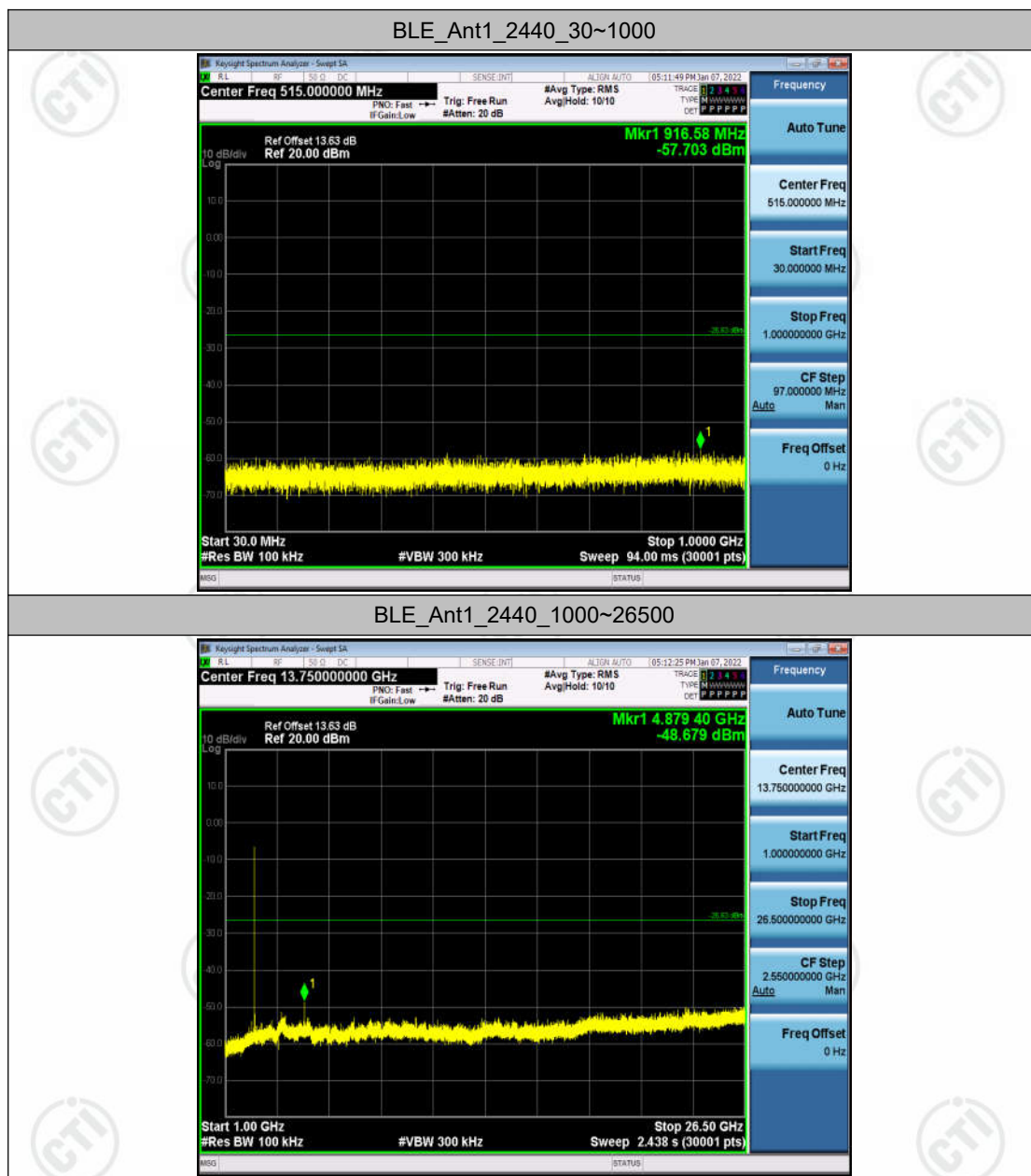
Test Result

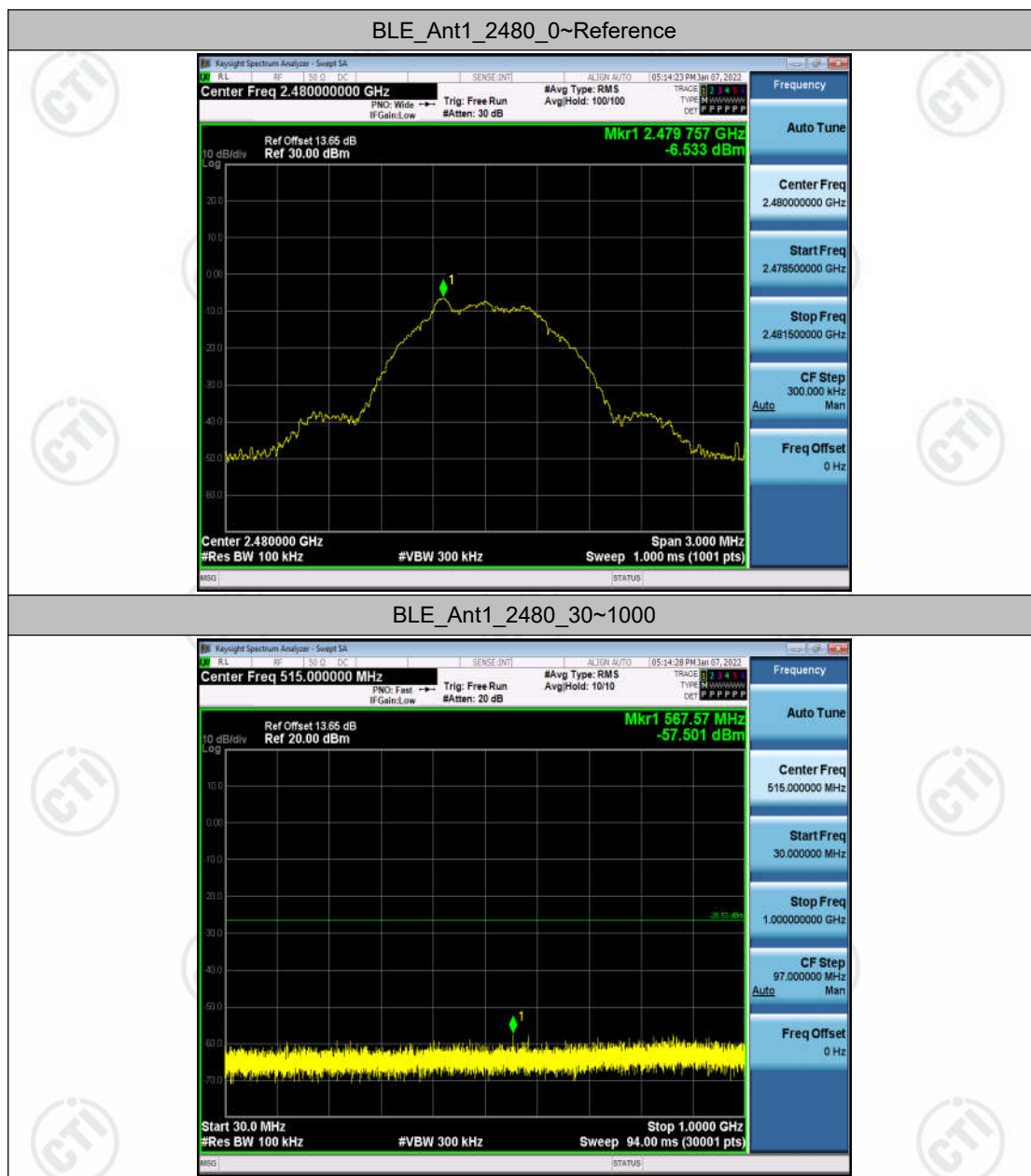
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-6.89	-6.89	---	PASS
			30~1000	30~1000	-57.282	<=-26.889	PASS
			1000~26500	1000~26500	-46.474	<=-26.889	PASS
		2440	Reference	-6.63	-6.63	---	PASS
			30~1000	30~1000	-57.703	<=-26.631	PASS
			1000~26500	1000~26500	-48.679	<=-26.631	PASS
		2480	Reference	-6.53	-6.53	---	PASS
			30~1000	30~1000	-57.501	<=-26.533	PASS
			1000~26500	1000~26500	-48.056	<=-26.533	PASS

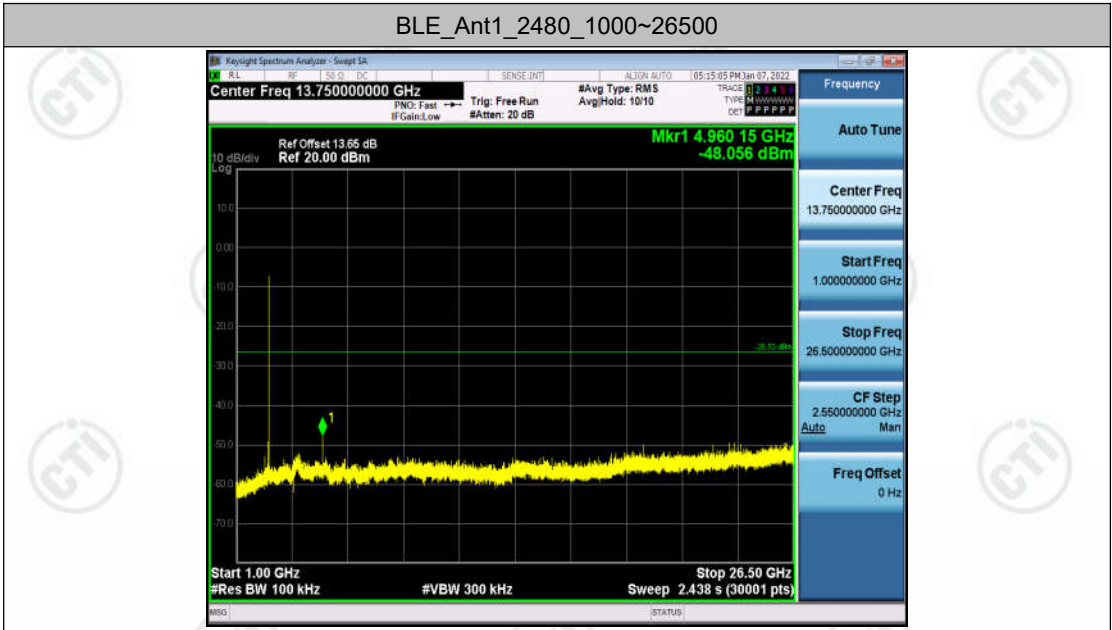
Test Graphs









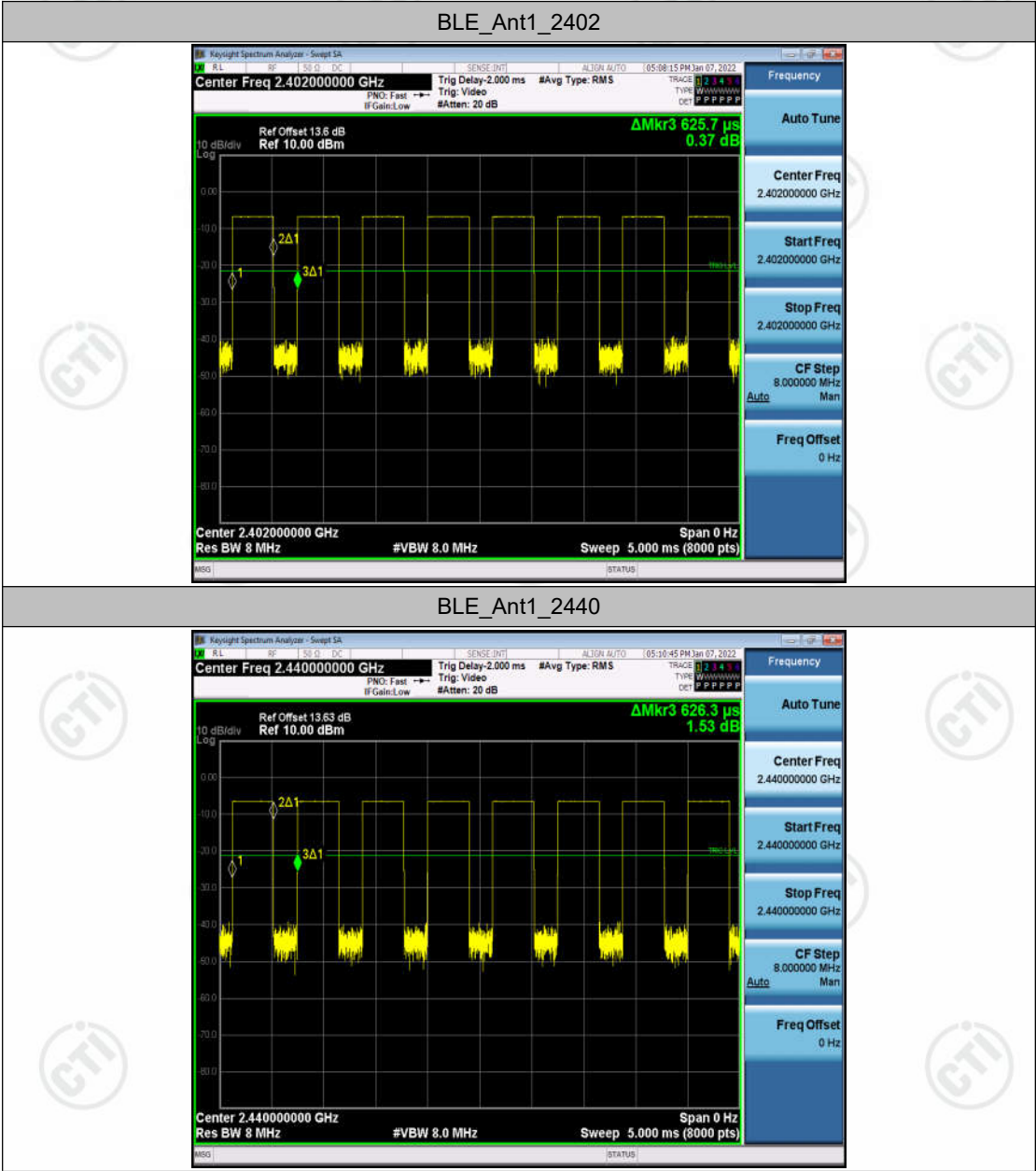


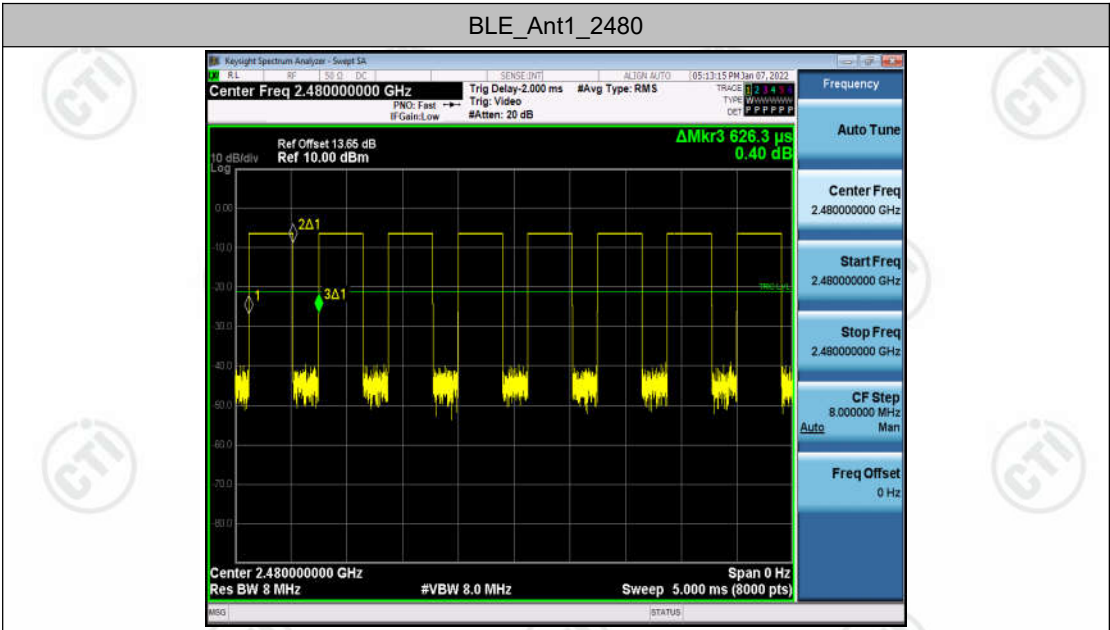
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE	Ant1	2402	0.40	0.63	63.84	---	PASS
		2440	0.40	0.63	63.77	---	PASS
		2480	0.40	0.63	63.77	---	PASS

Test Graphs





*** End of Report ***