

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	0.676	2401.756	2402.432	0.5	PASS
		2440	0.660	2439.784	2440.444	0.5	PASS
		2480	0.672	2479.756	2480.428	0.5	PASS

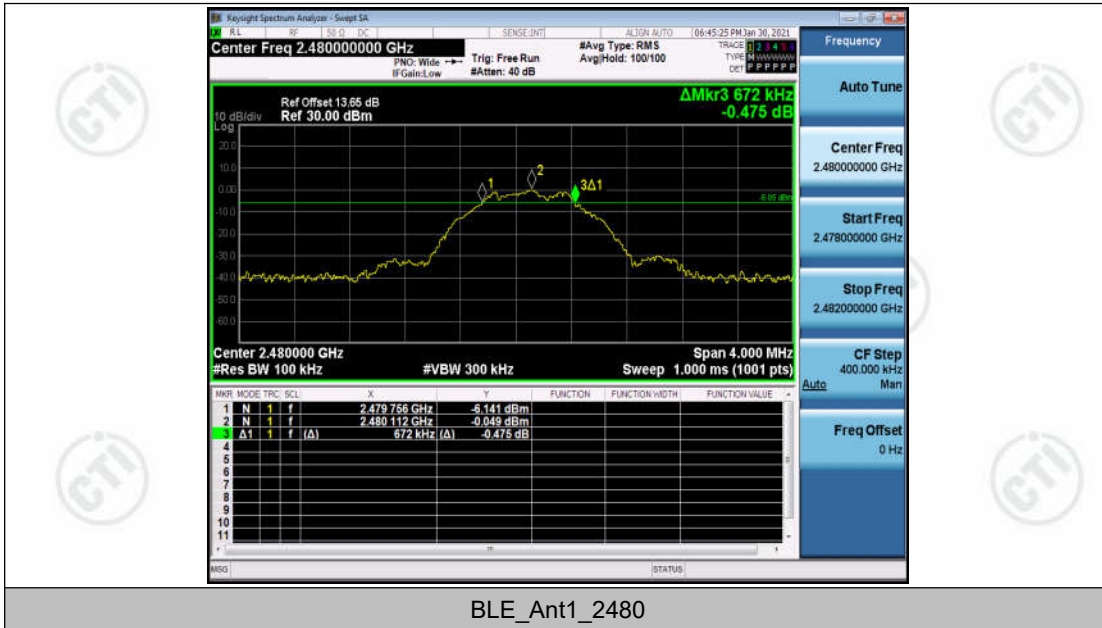
Test Graphs



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	1.0462	2401.578	2402.625	---	PASS
		2440	1.0395	2439.578	2440.618	---	PASS
		2480	1.0405	2479.579	2480.620	---	PASS

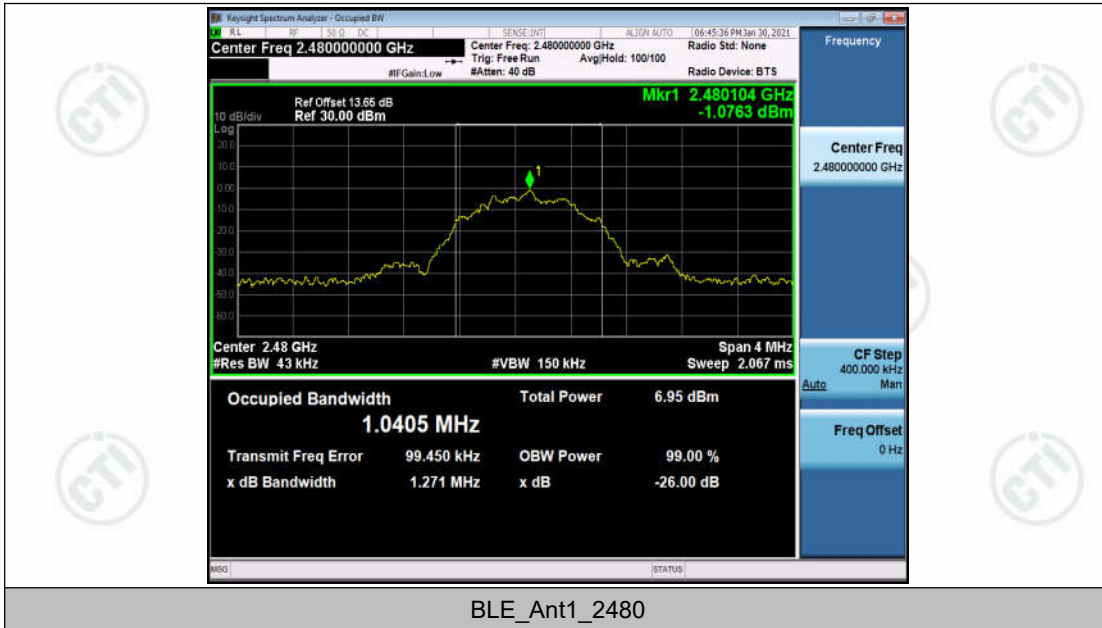
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440



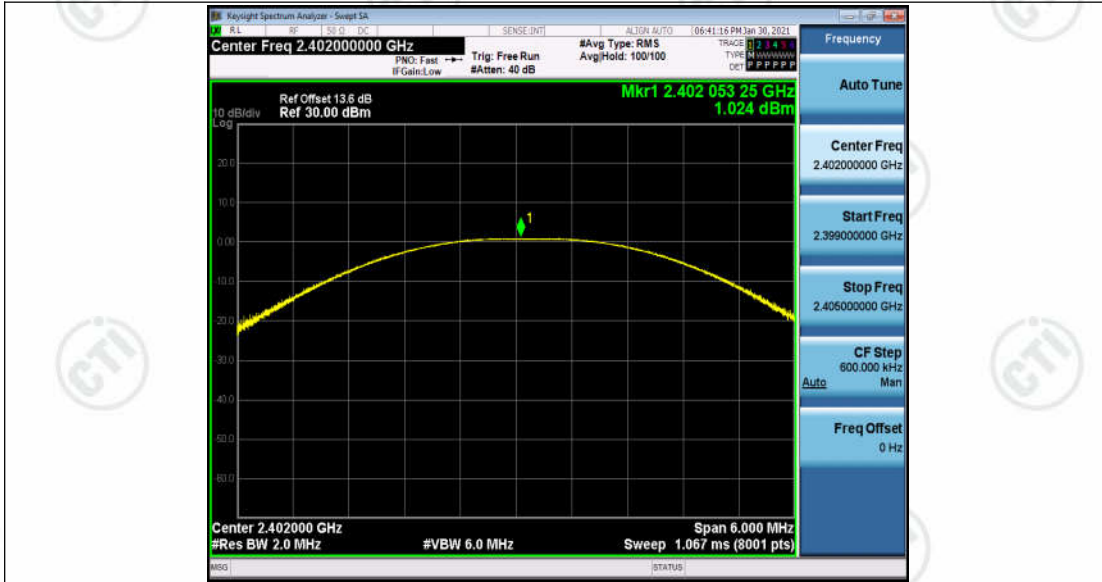
BLE_Ant1_2480

Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	1.02	<=30	PASS
		2440	0.57	<=30	PASS
		2480	0.52	<=30	PASS

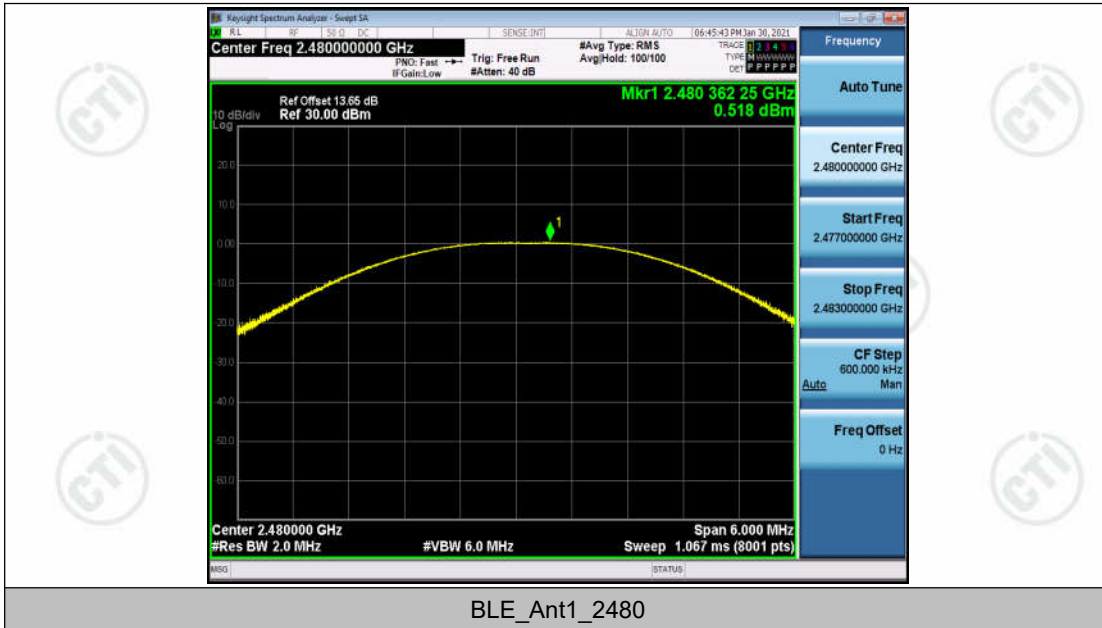
Test Graphs



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	-8.55	<=8	PASS
		2440	-8.84	<=8	PASS
		2480	-8.88	<=8	PASS

Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440

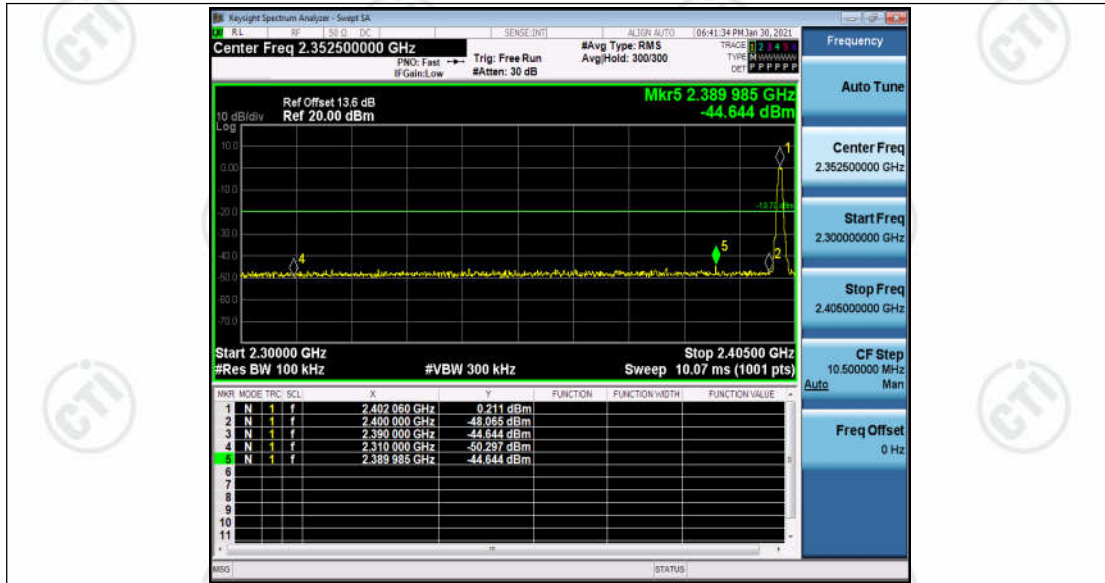


Appendix E: Band edge measurements

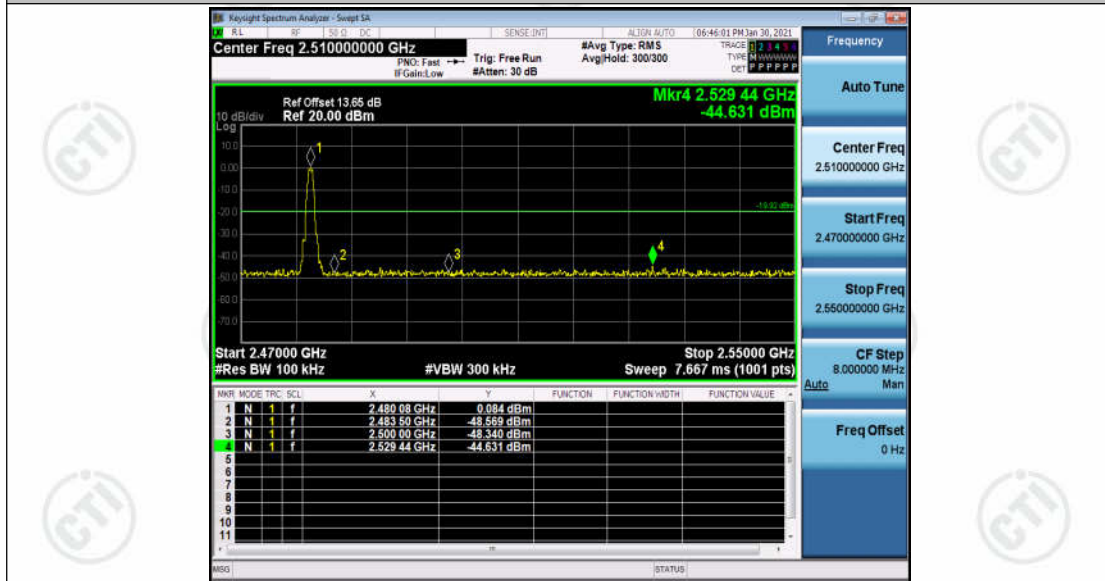
Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	0.21	-44.64	<=-19.79	PASS
		High	2480	0.08	-44.63	<=-19.92	PASS

Test Graphs



BLE_Ant1_Low_2402



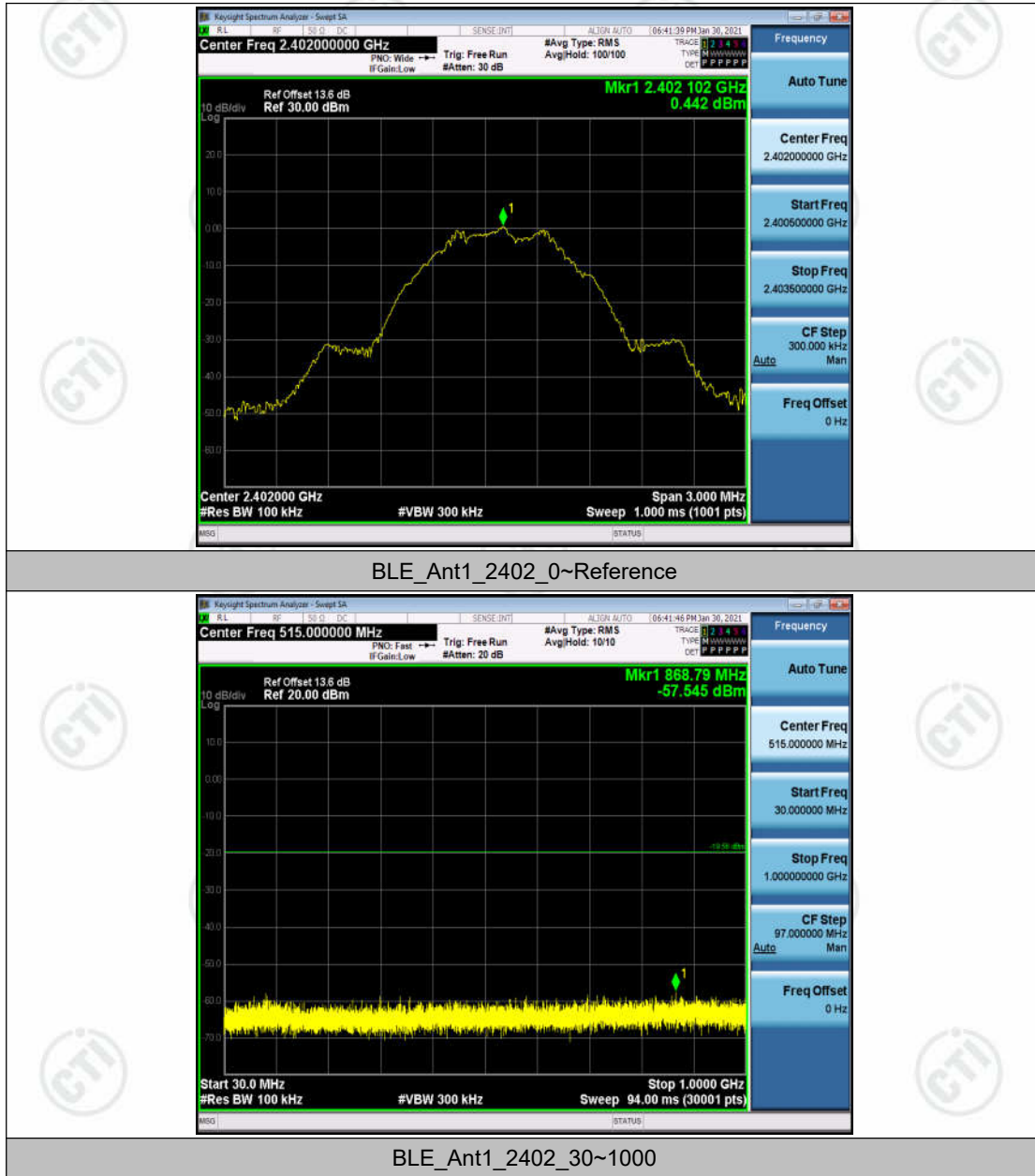
BLE_Ant1_High_2480

Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	0.44	0.44	---	PASS
			30~1000	30~1000	-57.545	<=-19.558	PASS
			1000~26500	1000~26500	-49.613	<=-19.558	PASS
		2440	Reference	0.10	0.10	---	PASS
			30~1000	30~1000	-55.844	<=-19.896	PASS
			1000~26500	1000~26500	-48.929	<=-19.896	PASS
		2480	Reference	-0.48	-0.48	---	PASS
			30~1000	30~1000	-57.46	<=-20.475	PASS
			1000~26500	1000~26500	-49.324	<=-20.475	PASS

Test Graphs

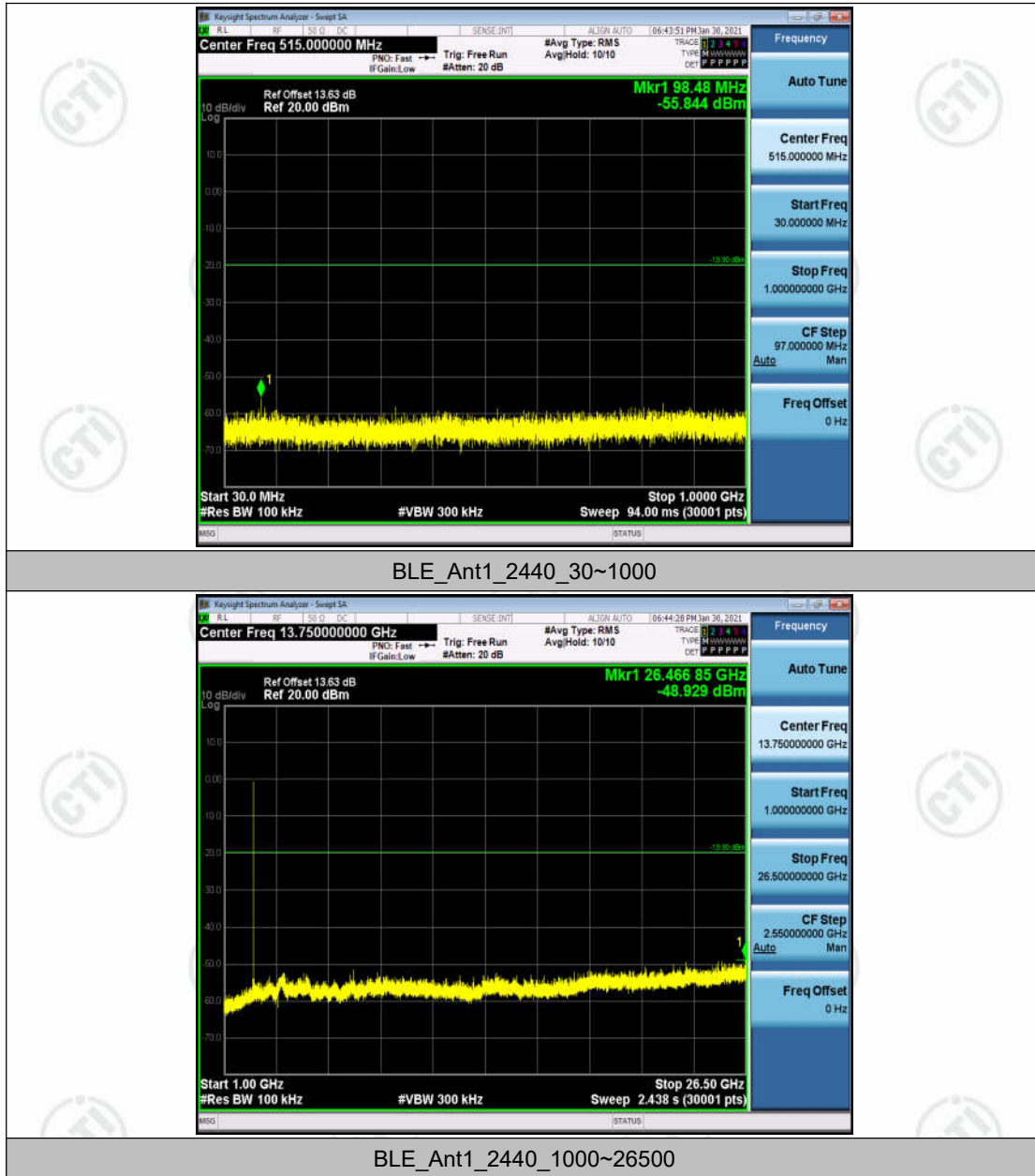




BLE_Ant1_2402_1000~26500

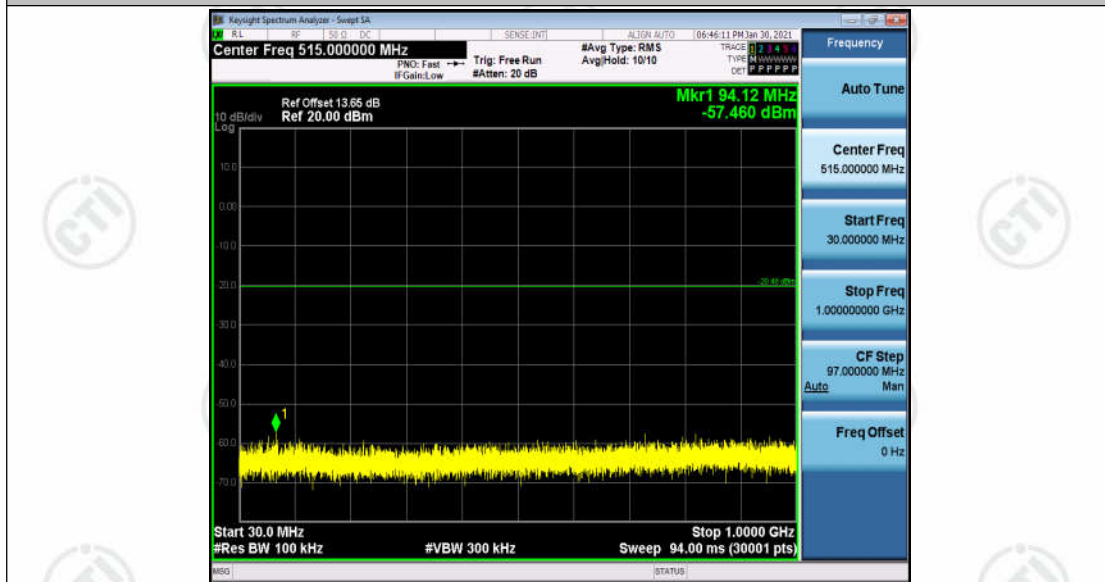


BLE_Ant1_2440_0~Reference

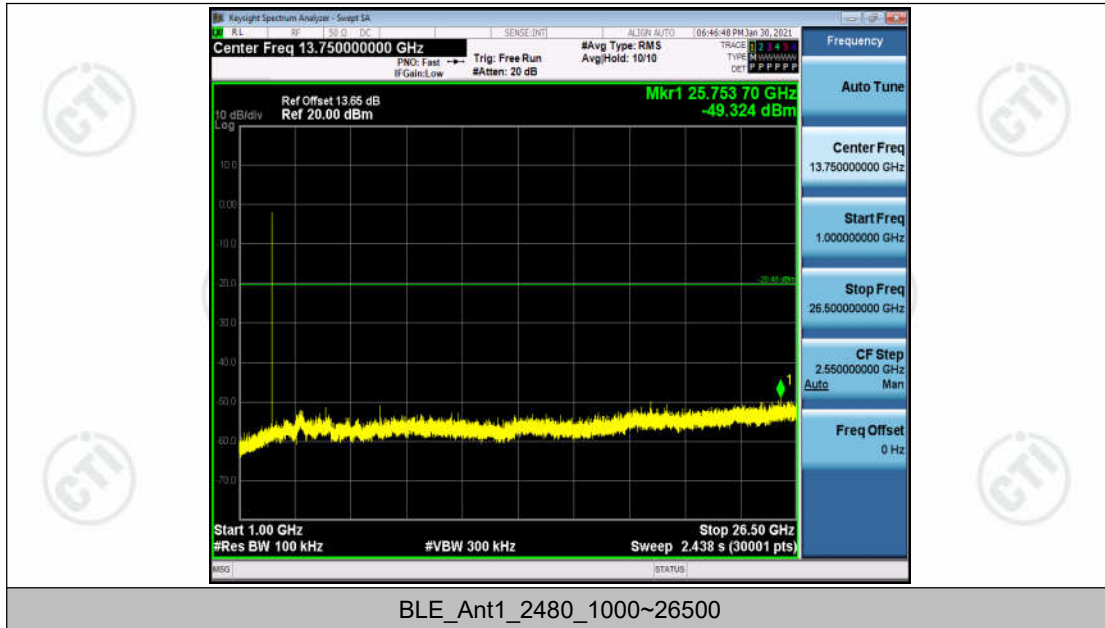




BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000

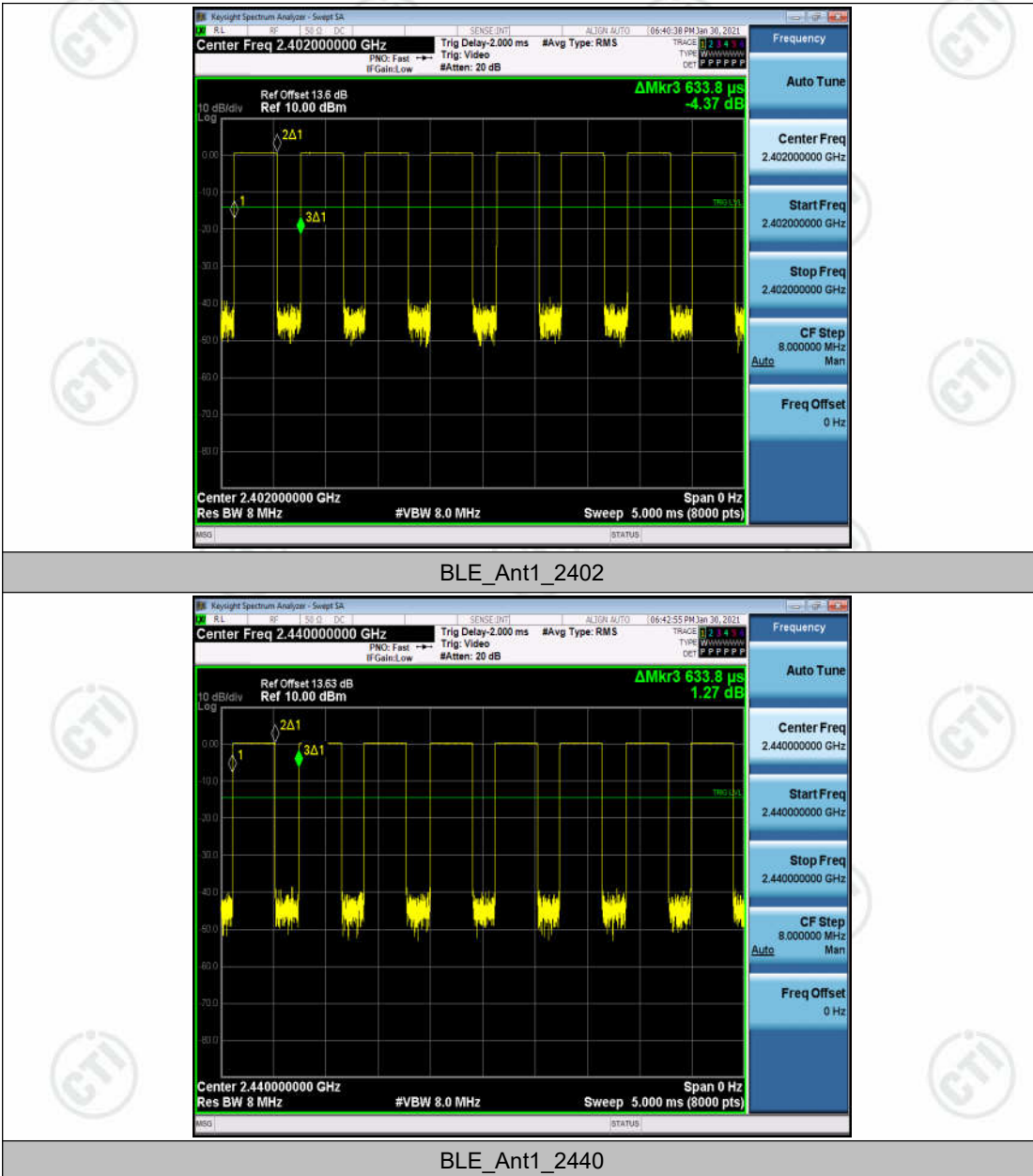


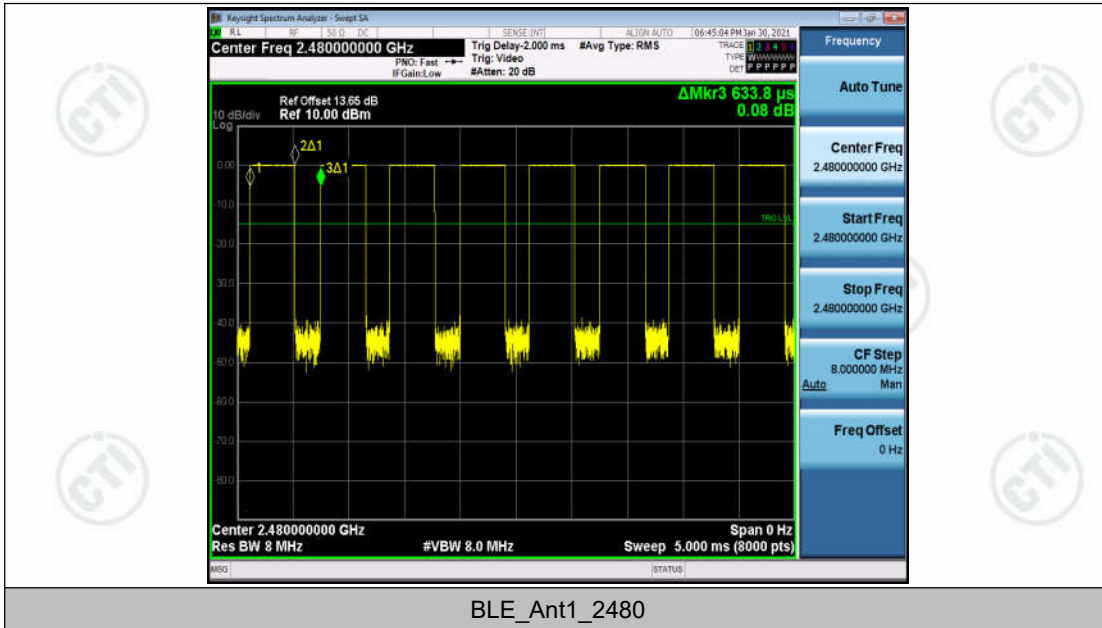
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE	Ant1	2402	0.41	0.63	64.00	---	PASS
		2440	0.41	0.63	64.00	---	PASS
		2480	0.41	0.63	63.91	---	PASS

Test Graphs





BLE_Ant1_2480

*** End of Report ***