

Appendix: Bluetooth LE

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Appendix A: DTS Bandwidth

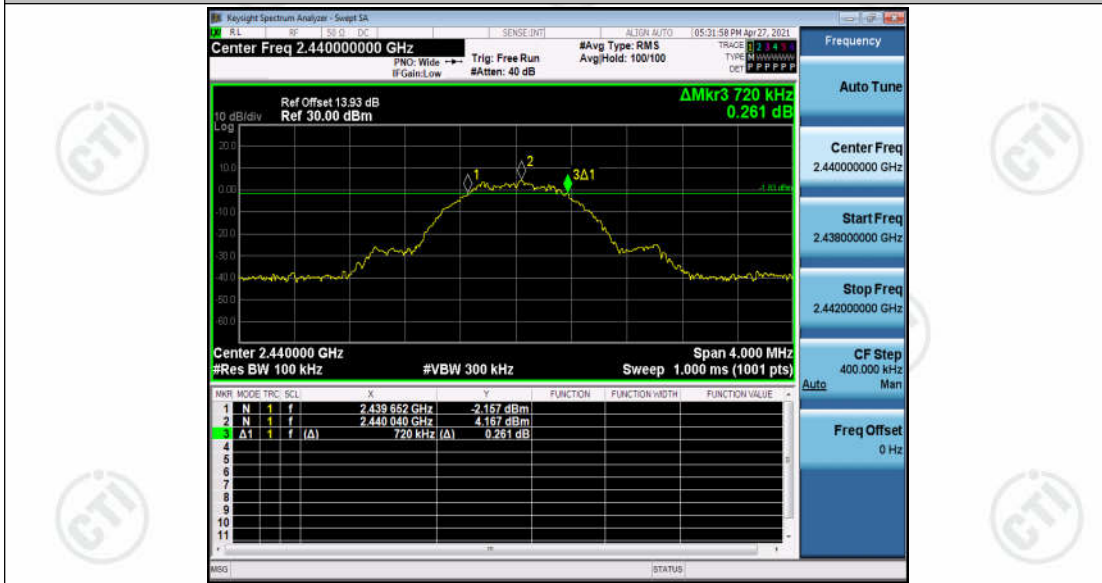
Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.668	2402.352	0.5	PASS
		2440	0.720	2439.652	2440.372	0.5	PASS
		2480	0.700	2479.652	2480.352	0.5	PASS

Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

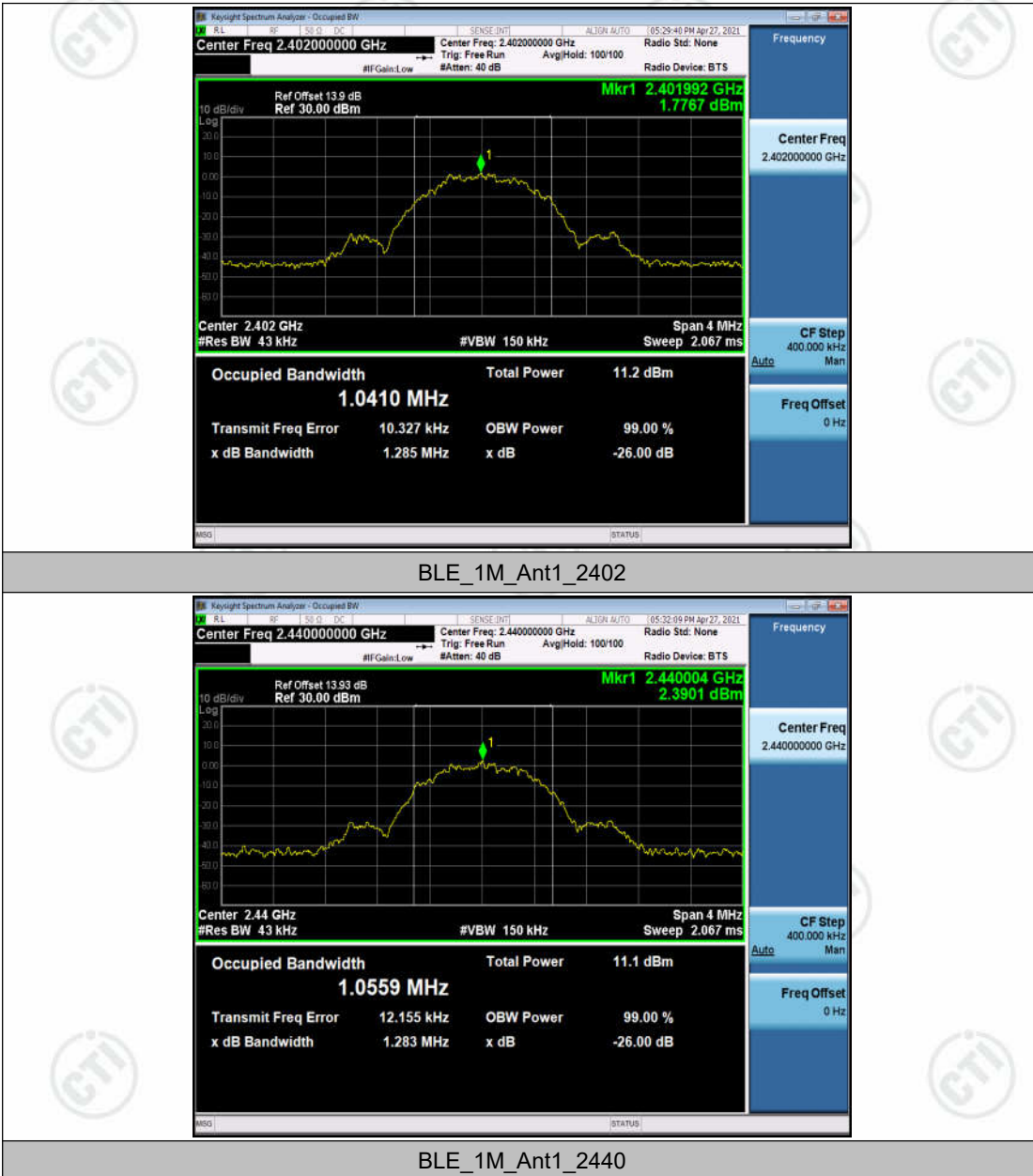


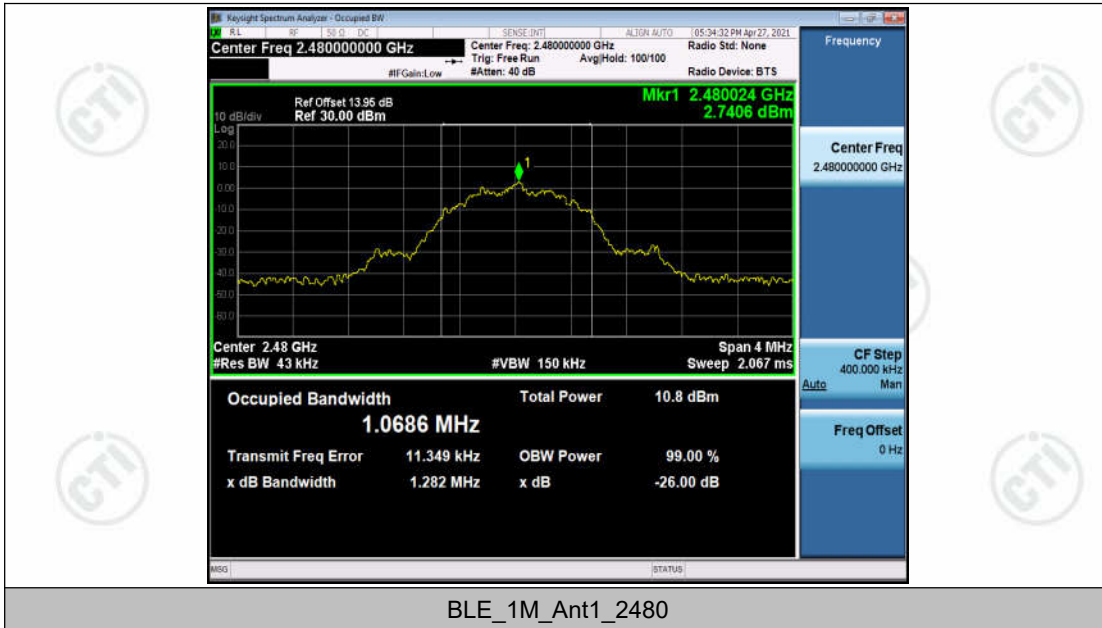
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0410	2401.490	2402.531	---	PASS
		2440	1.0559	2439.484	2440.540	---	PASS
		2480	1.0686	2479.477	2480.546	---	PASS

Test Graphs





BLE_1M_Ant1_2480

Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.73	<=30	PASS
		2440	4.72	<=30	PASS
		2480	4.41	<=30	PASS

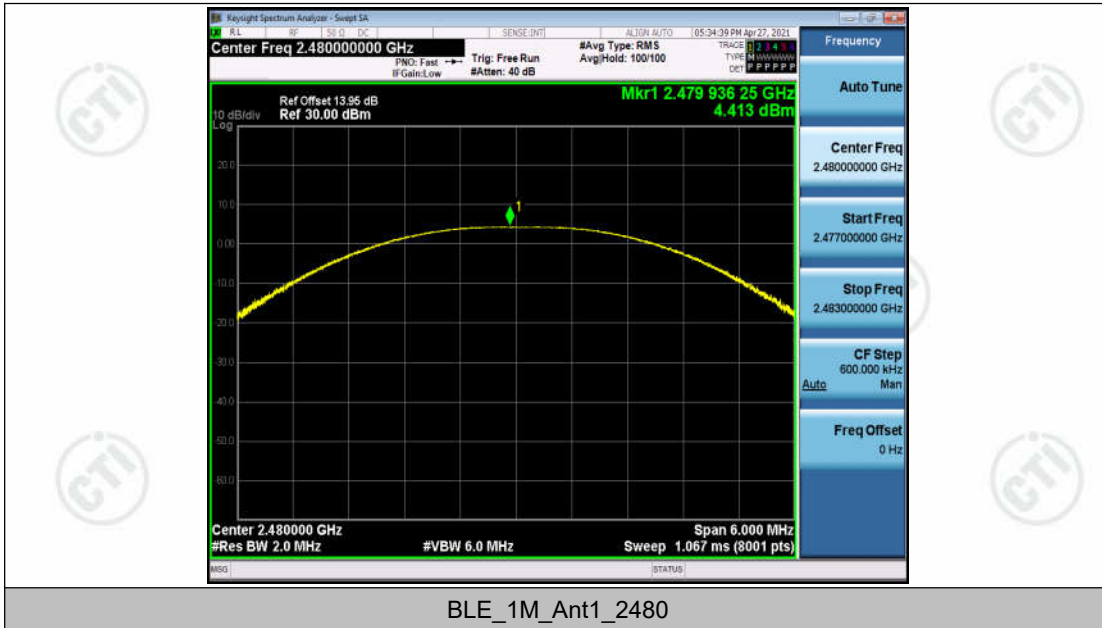
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

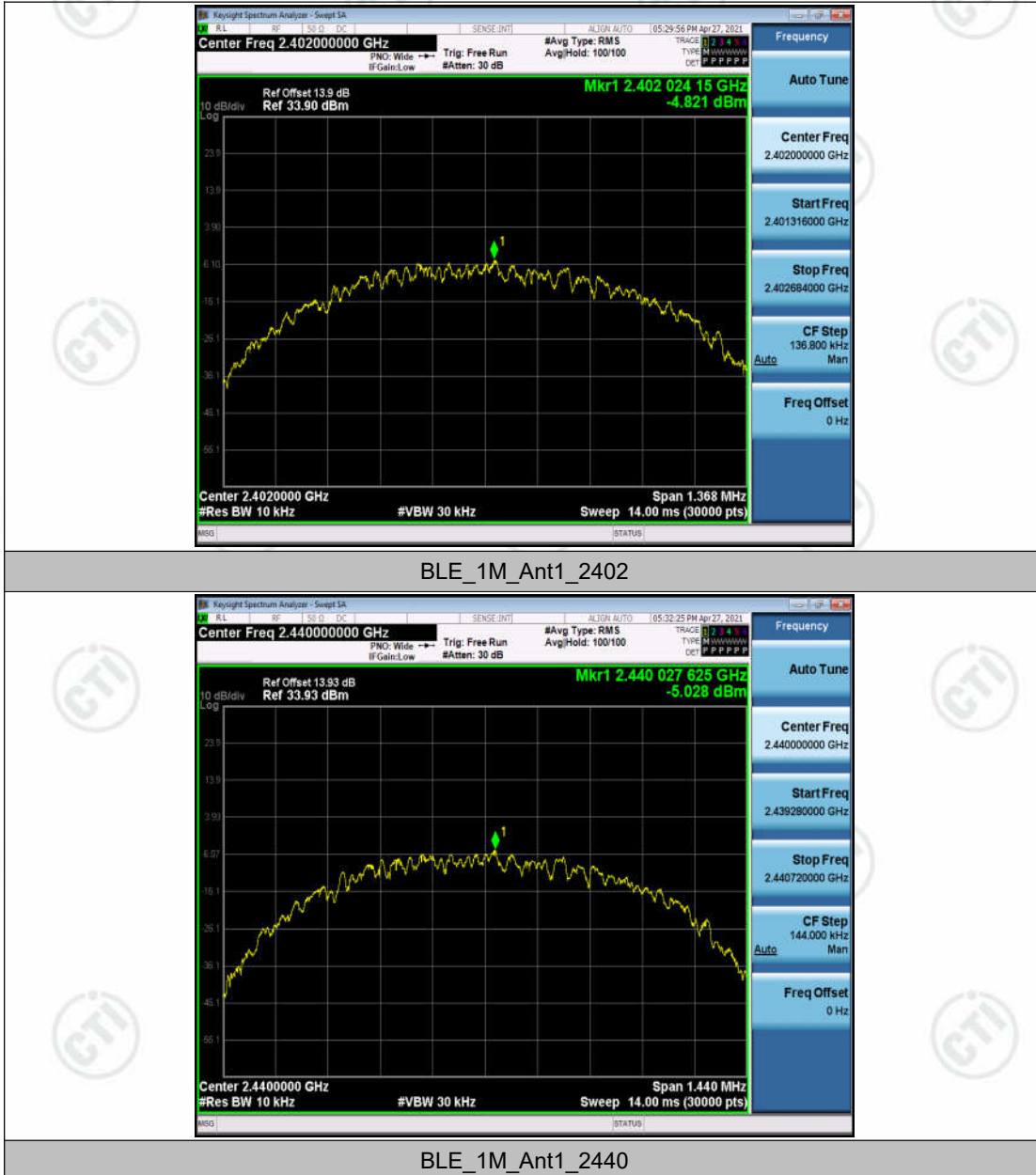


Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-4.82	<=8	PASS
		2440	-5.03	<=8	PASS
		2480	-5.15	<=8	PASS

Test Graphs



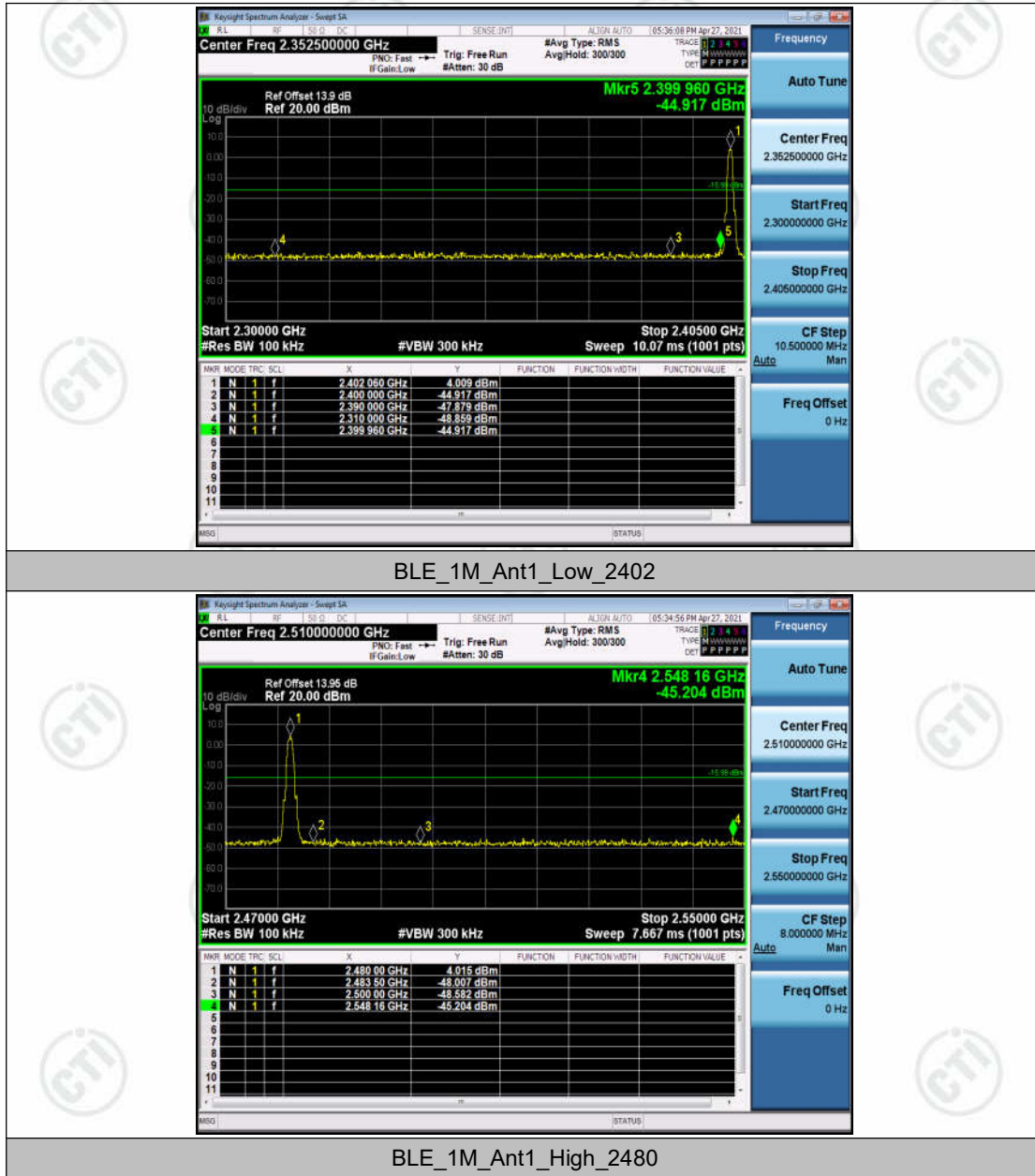


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.01	-44.92	<=-15.99	PASS
		High	2480	4.01	-45.2	<=-15.99	PASS

Test Graphs

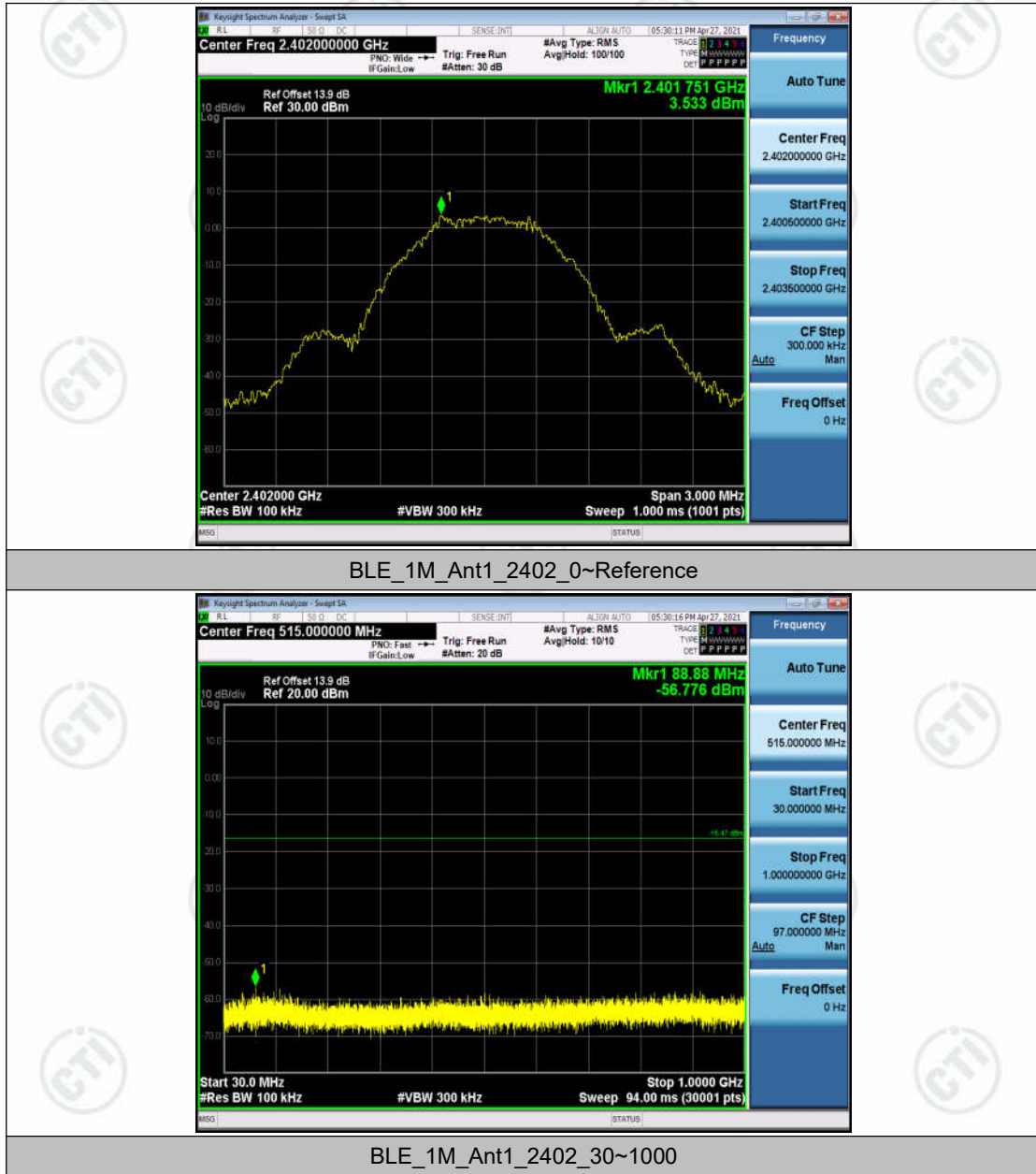


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	3.53	3.53	---	PASS
			30~1000	30~1000	-56.776	<=-16.467	PASS
			1000~26500	1000~26500	-48.7	<=-16.467	PASS
		2440	Reference	4.20	4.20	---	PASS
			30~1000	30~1000	-38.383	<=-15.797	PASS
			1000~26500	1000~26500	-45.164	<=-15.797	PASS
		2480	Reference	3.87	3.87	---	PASS
			30~1000	30~1000	-55.118	<=-16.131	PASS
			1000~26500	1000~26500	-38.562	<=-16.131	PASS

Test Graphs

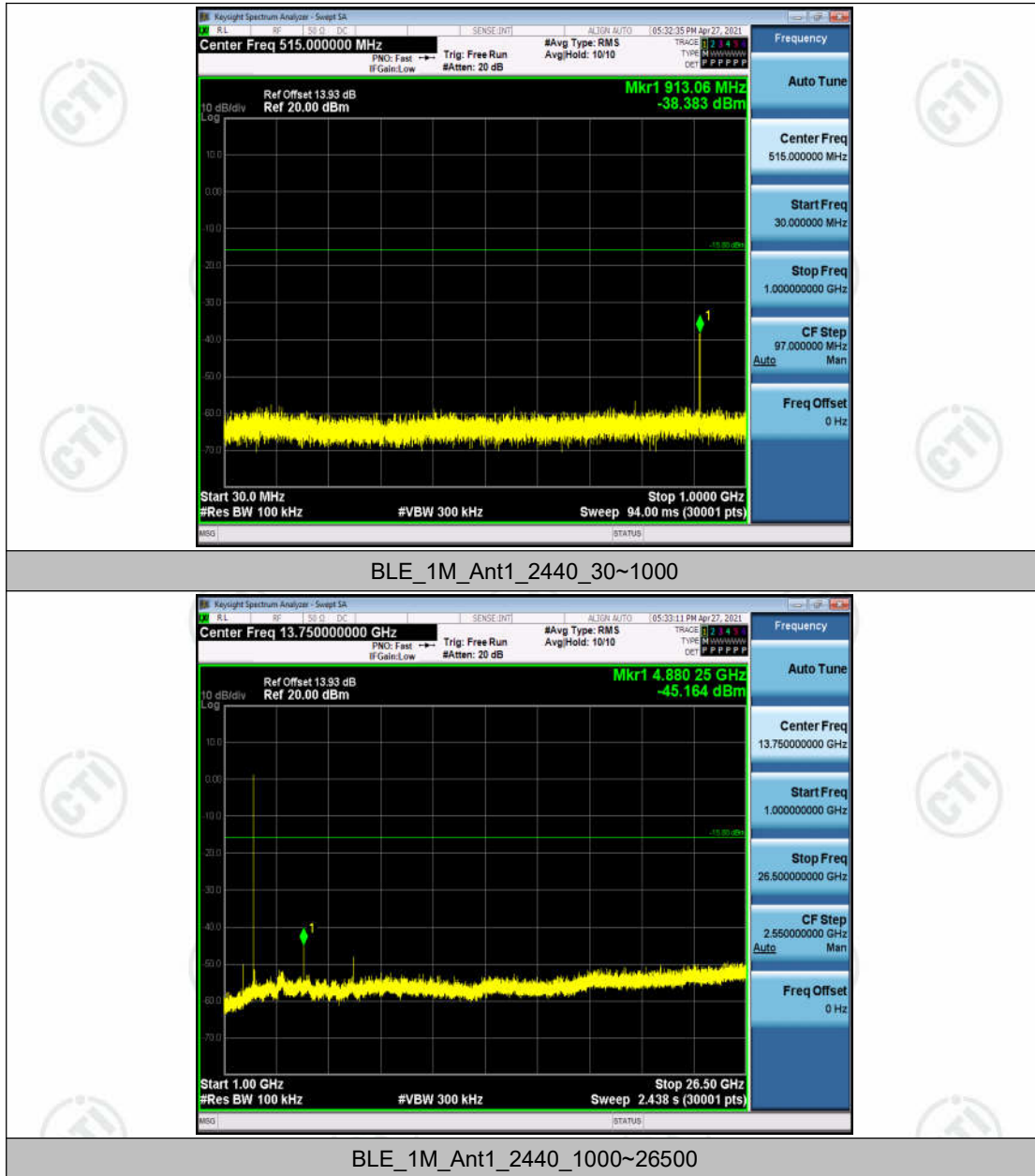




BLE_1M_Ant1_2402_1000~26500

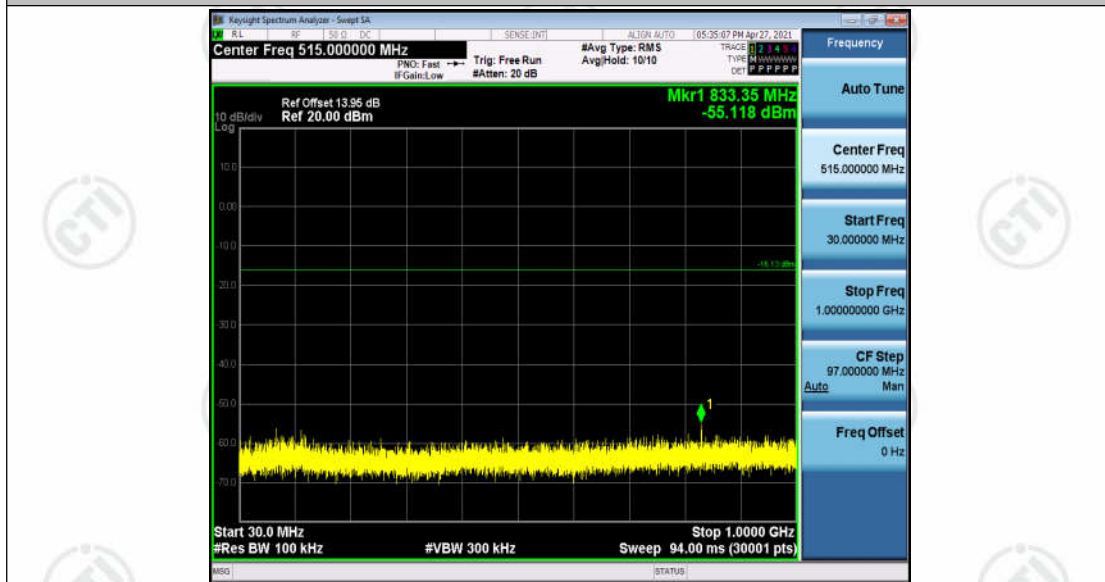


BLE_1M_Ant1_2440_0~Reference

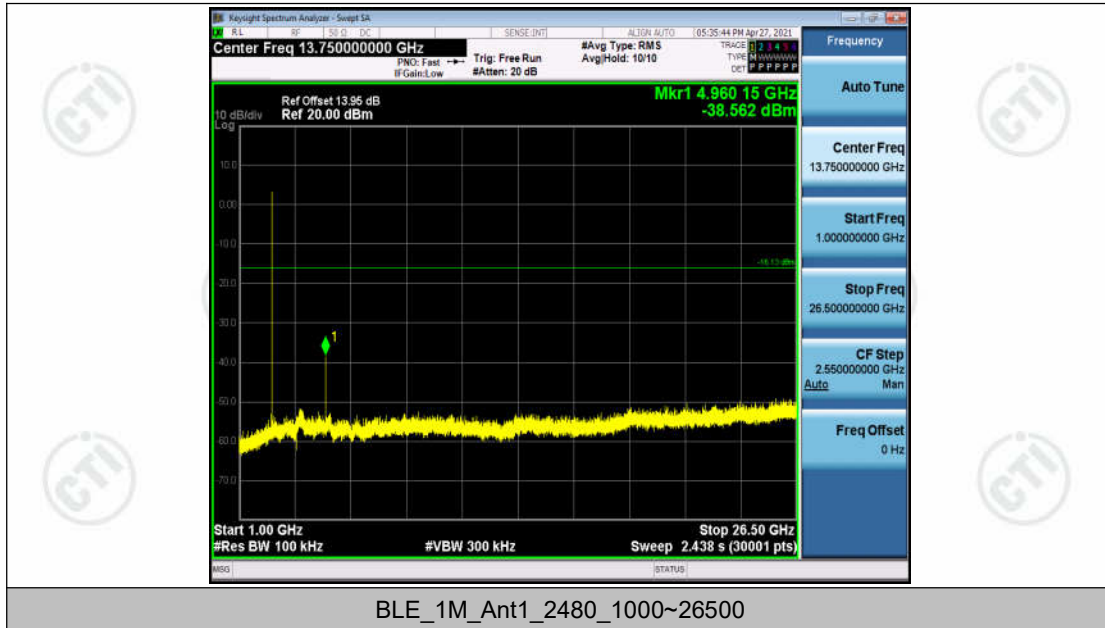




BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

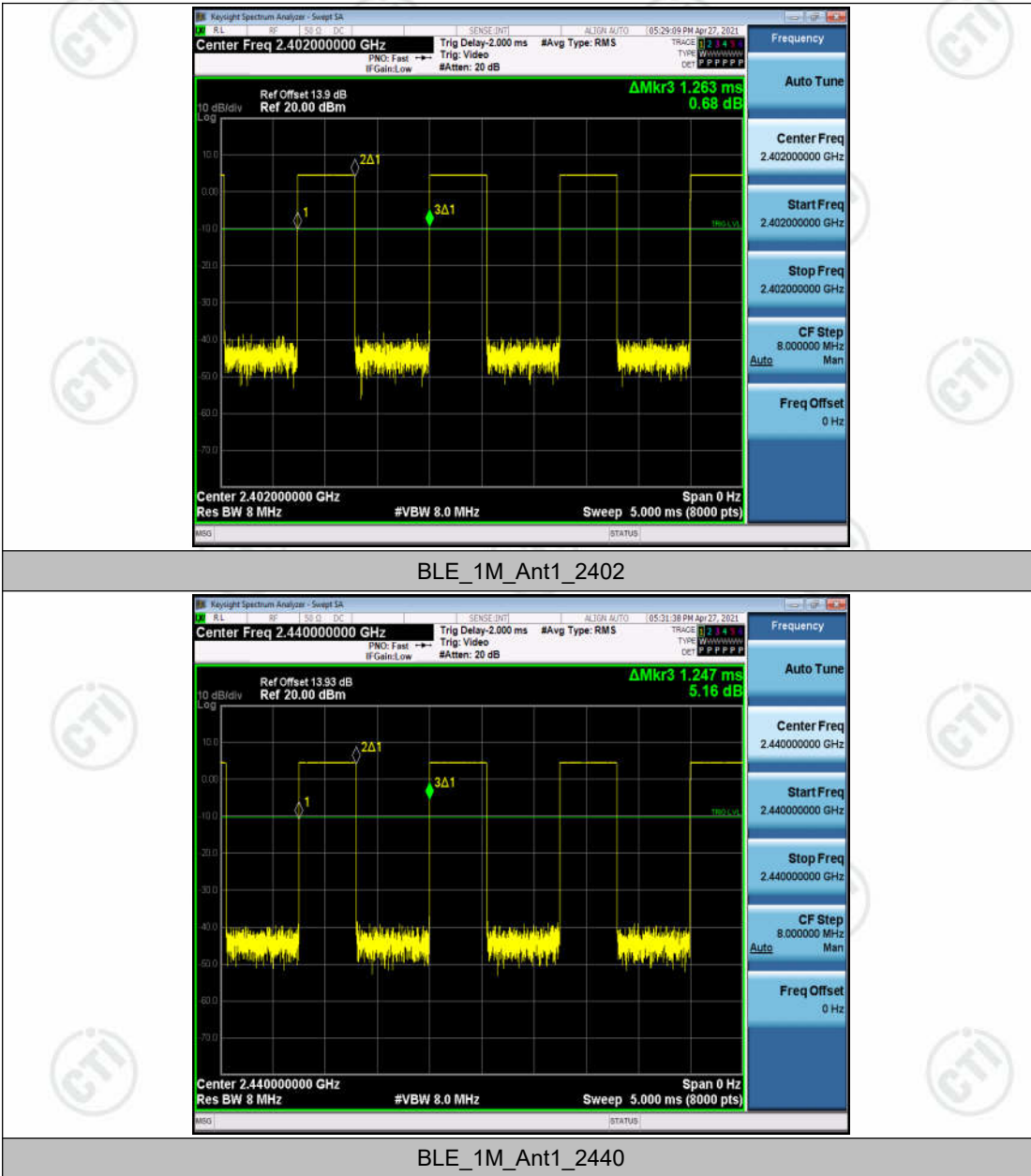


Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.55	1.26	43.51	---	PASS
		2440	0.55	1.25	44.06	---	PASS
		2480	0.55	1.25	44.08	---	PASS

Test Graphs





BLE_1M_Ant1_2480

*** End of Report ***