

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	0.644	2401.690	2402.334	0.5	PASS
		2440	0.704	2439.642	2440.346	0.5	PASS
		2480	0.708	2479.666	2480.374	0.5	PASS

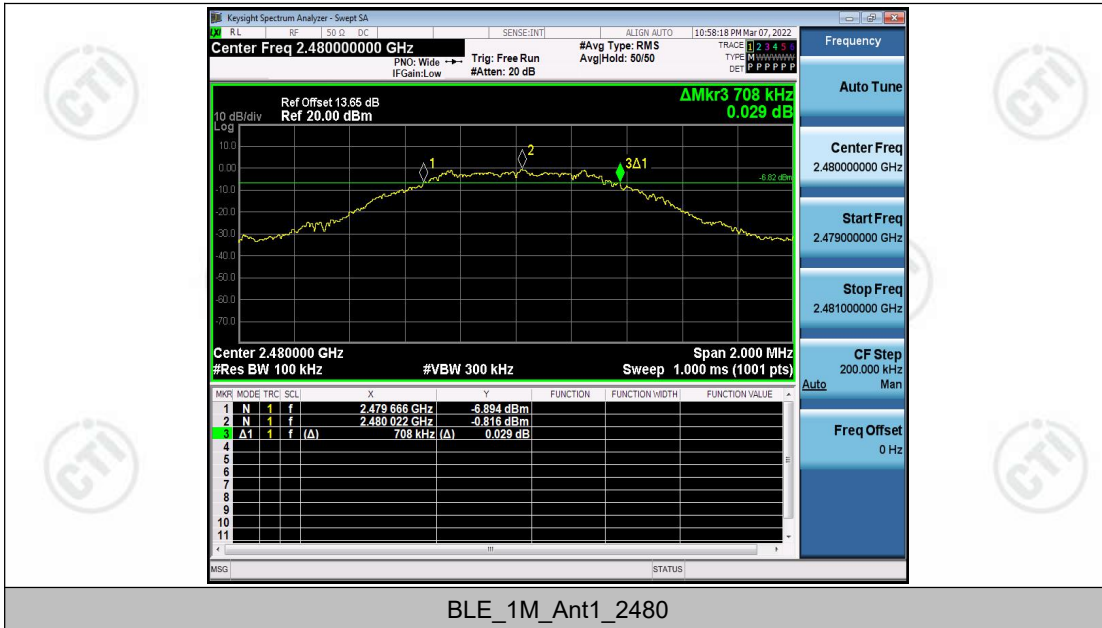
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

Appendix B: Occupied Channel Bandwidth**Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0441	2401.491	2402.535	---	PASS
		2440	1.0400	2439.492	2440.532	---	PASS
		2480	1.0797	2479.473	2480.553	---	PASS

Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



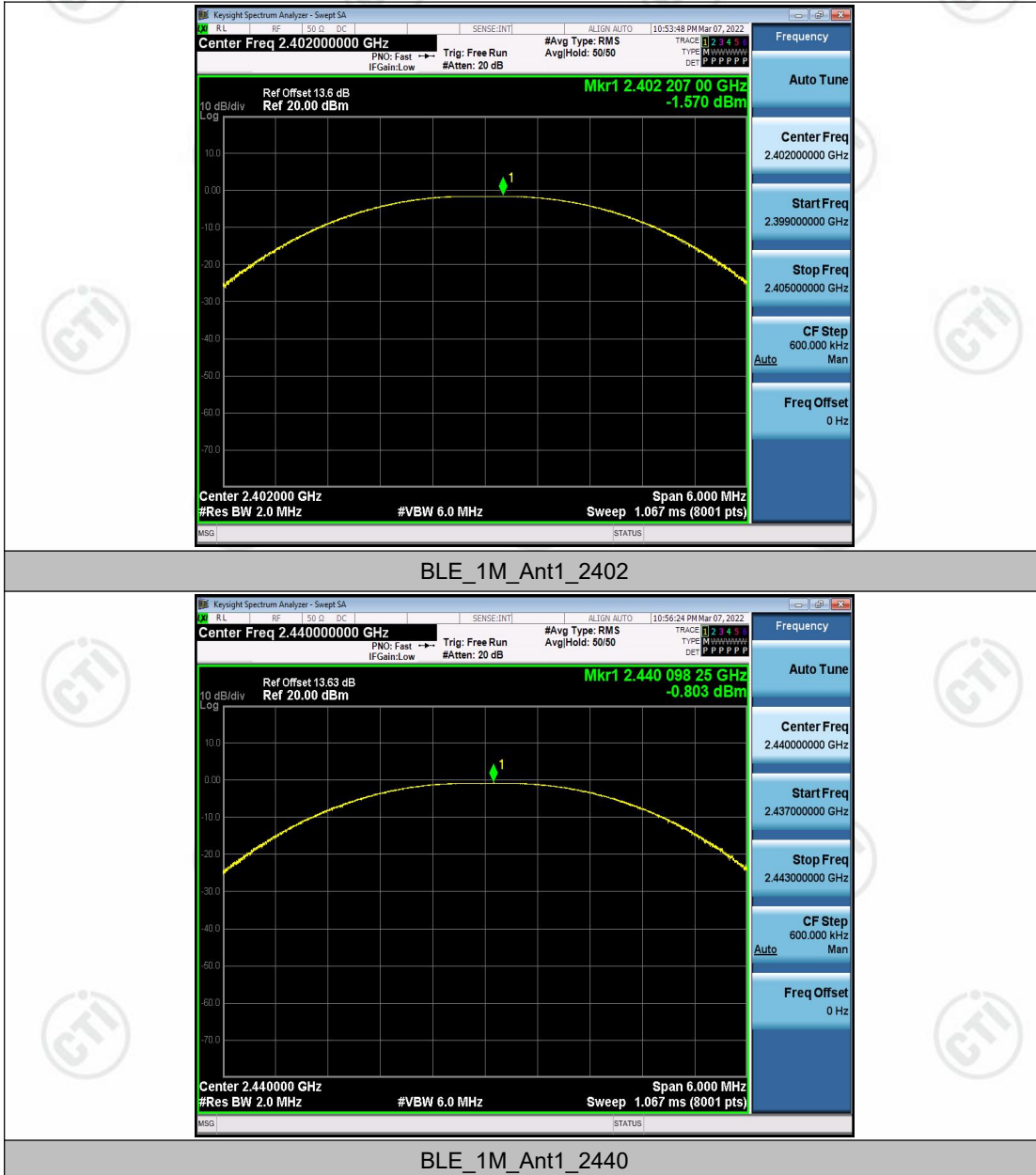
BLE_1M_Ant1_2480

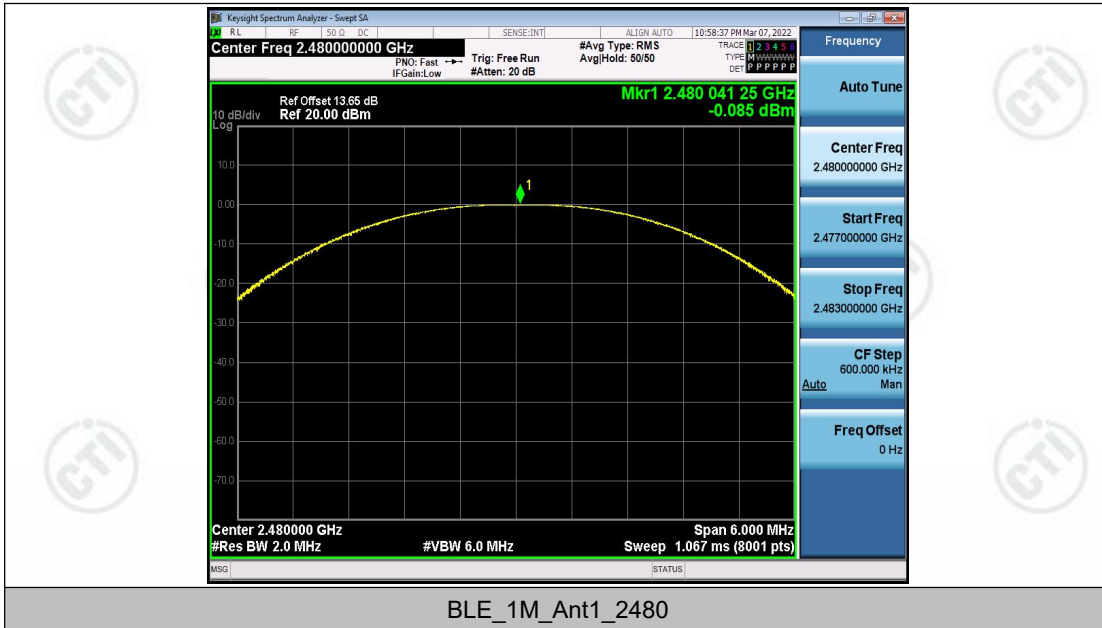
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.57	<=30	PASS
		2440	-0.8	<=30	PASS
		2480	-0.09	<=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	-17.22	<=8	PASS
		2440	-16.33	<=8	PASS
		2480	-15.52	<=8	PASS

Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

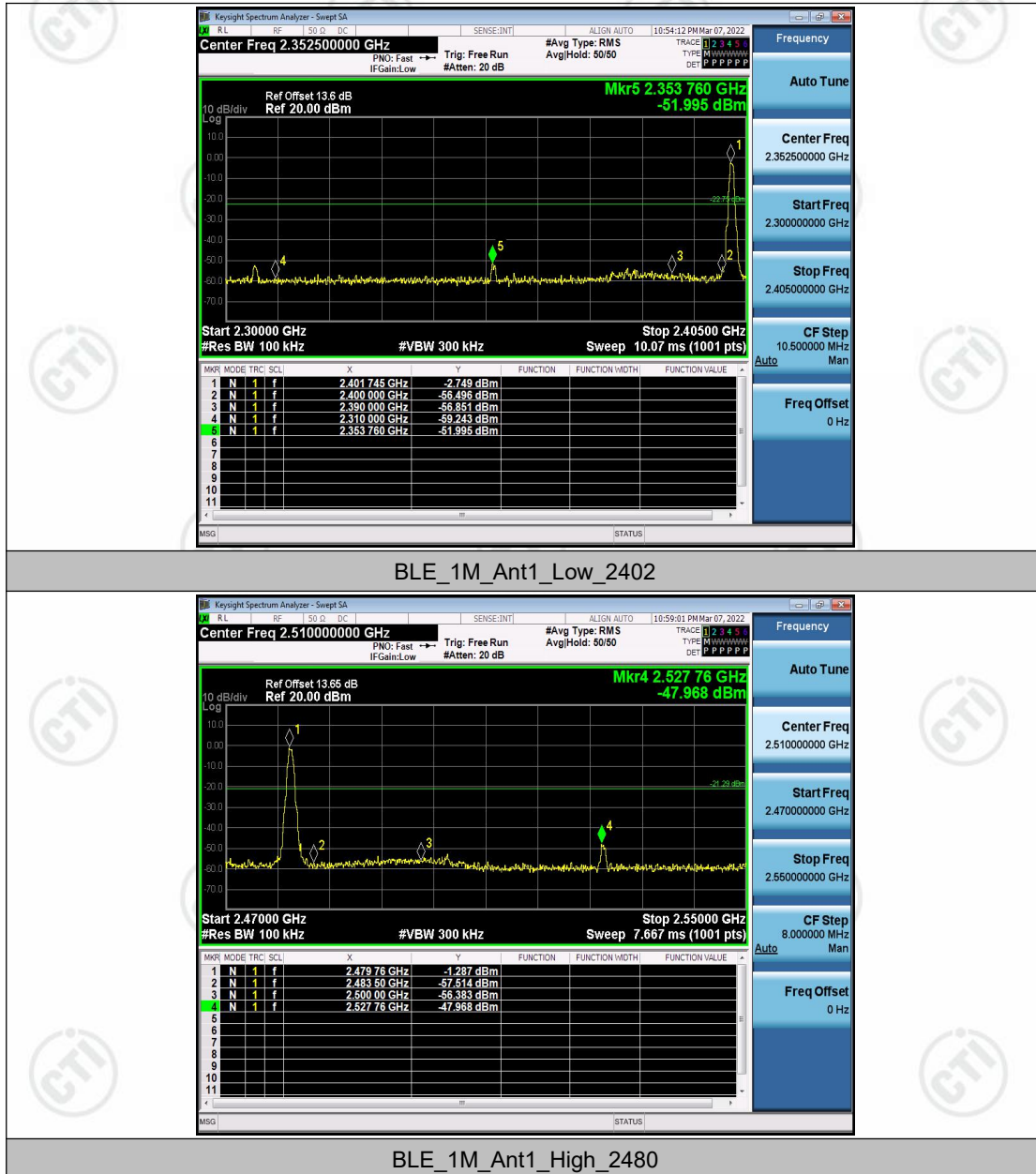


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.75	-52	<=-22.75	PASS
		High	2480	-1.29	-47.97	<=-21.29	PASS

Test Graphs

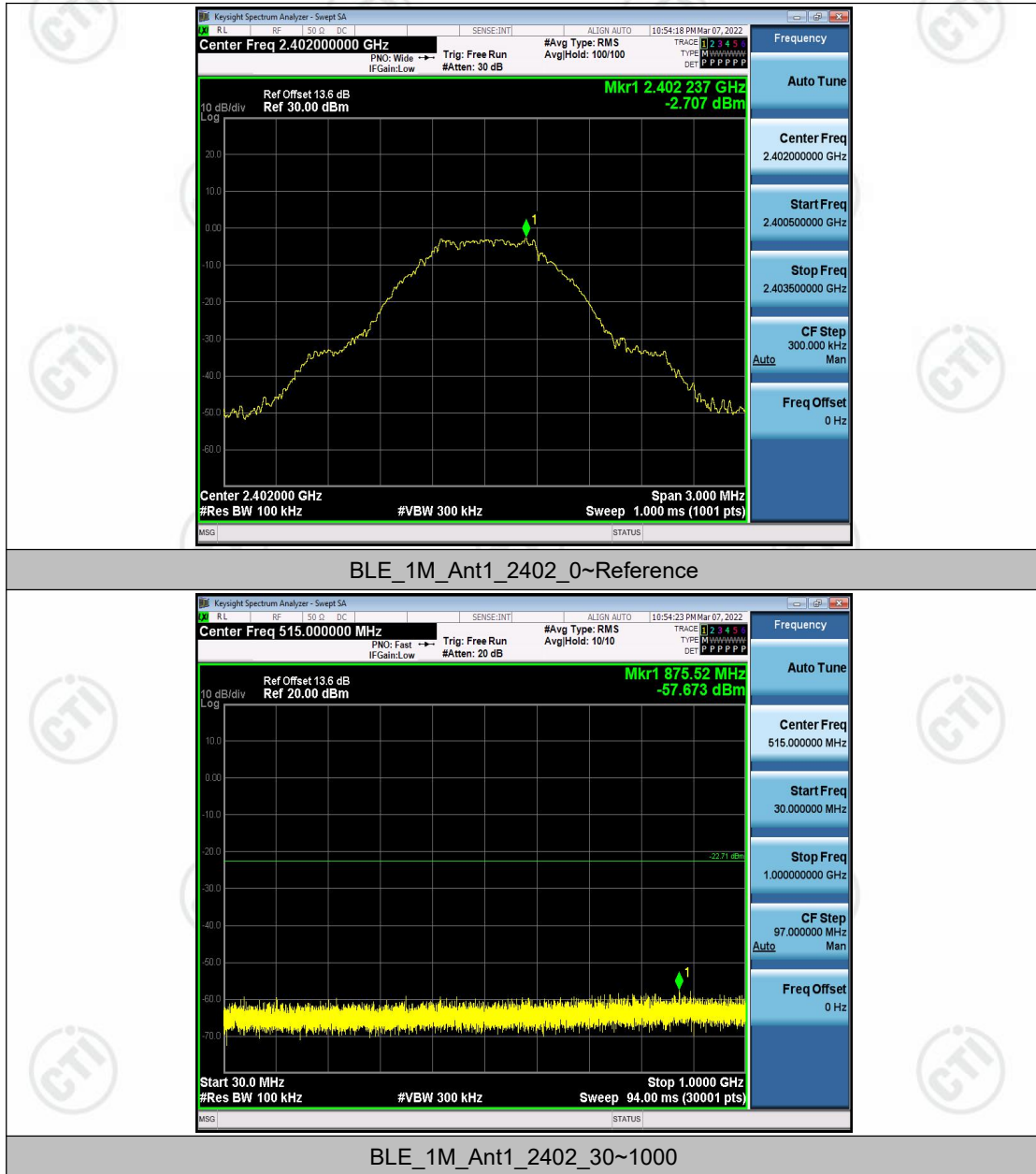


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.71	-2.71	---	PASS
			30~1000	30~1000	-57.673	<=-22.707	PASS
			1000~26500	1000~26500	-47.078	<=-22.707	PASS
		2440	Reference	-1.15	-1.15	---	PASS
			30~1000	30~1000	-57.762	<=-21.146	PASS
			1000~26500	1000~26500	-48.212	<=-21.146	PASS
		2480	Reference	-0.53	-0.53	---	PASS
			30~1000	30~1000	-57.427	<=-20.526	PASS
			1000~26500	1000~26500	-48.637	<=-20.526	PASS

Test Graphs

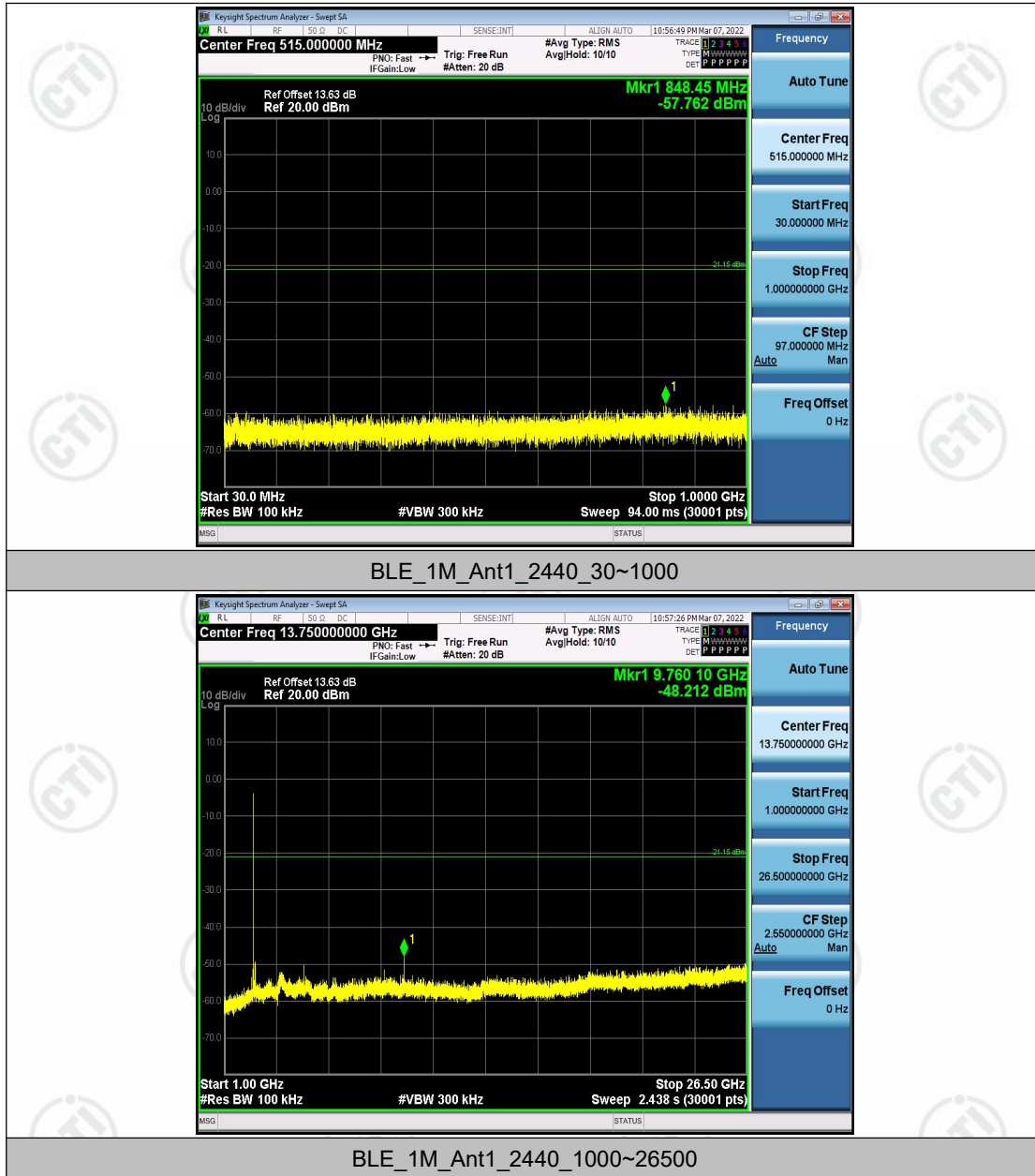




BLE_1M_Ant1_2402_1000~26500

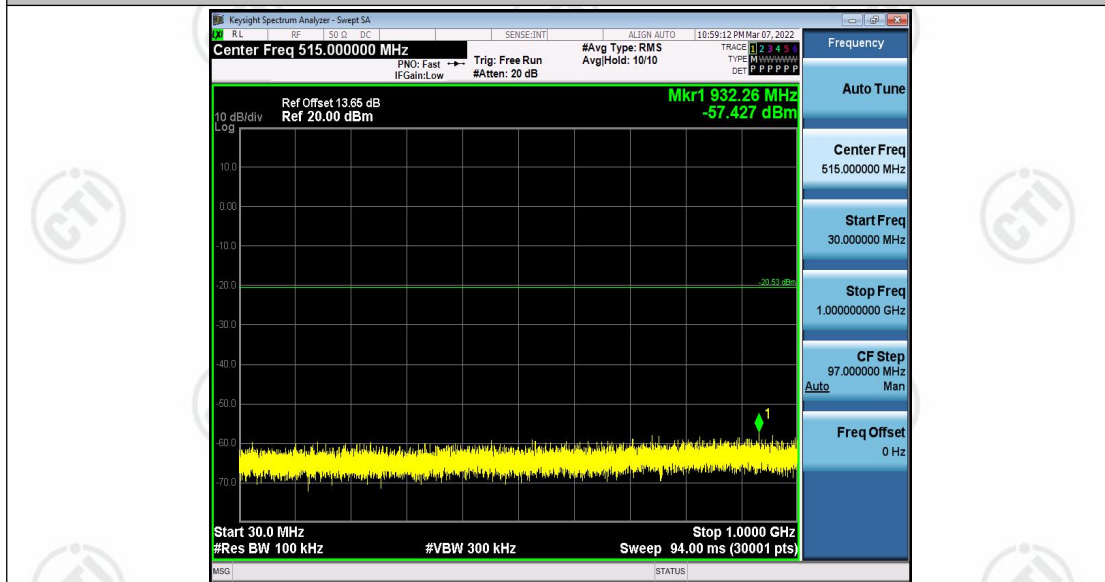


BLE_1M_Ant1_2440_0~Reference

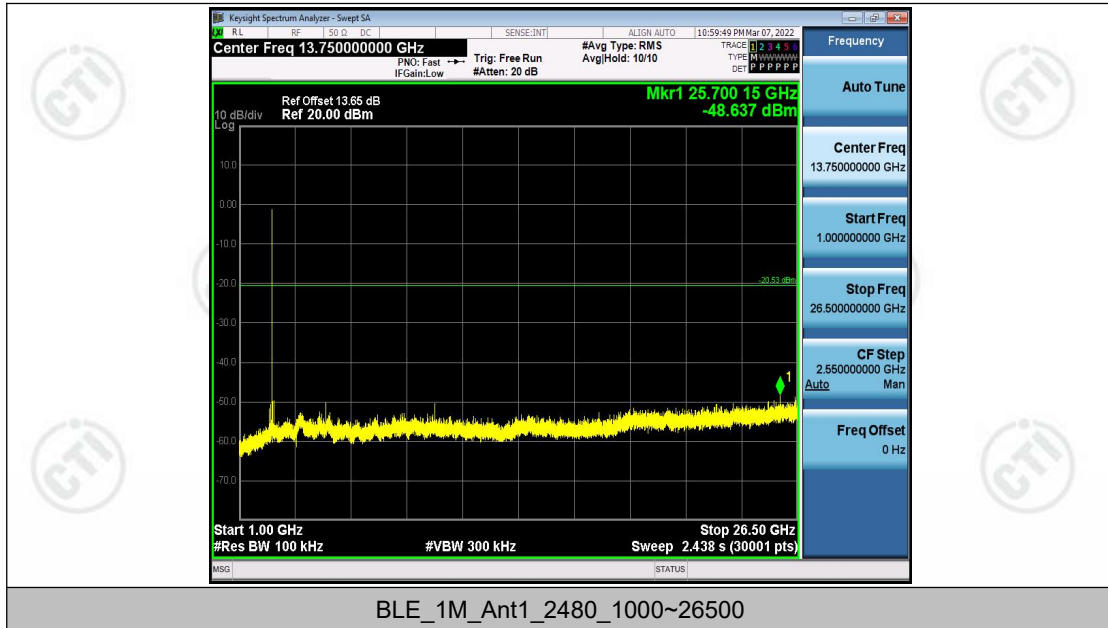




BLE_1M_Ant1_2480_0~Reference



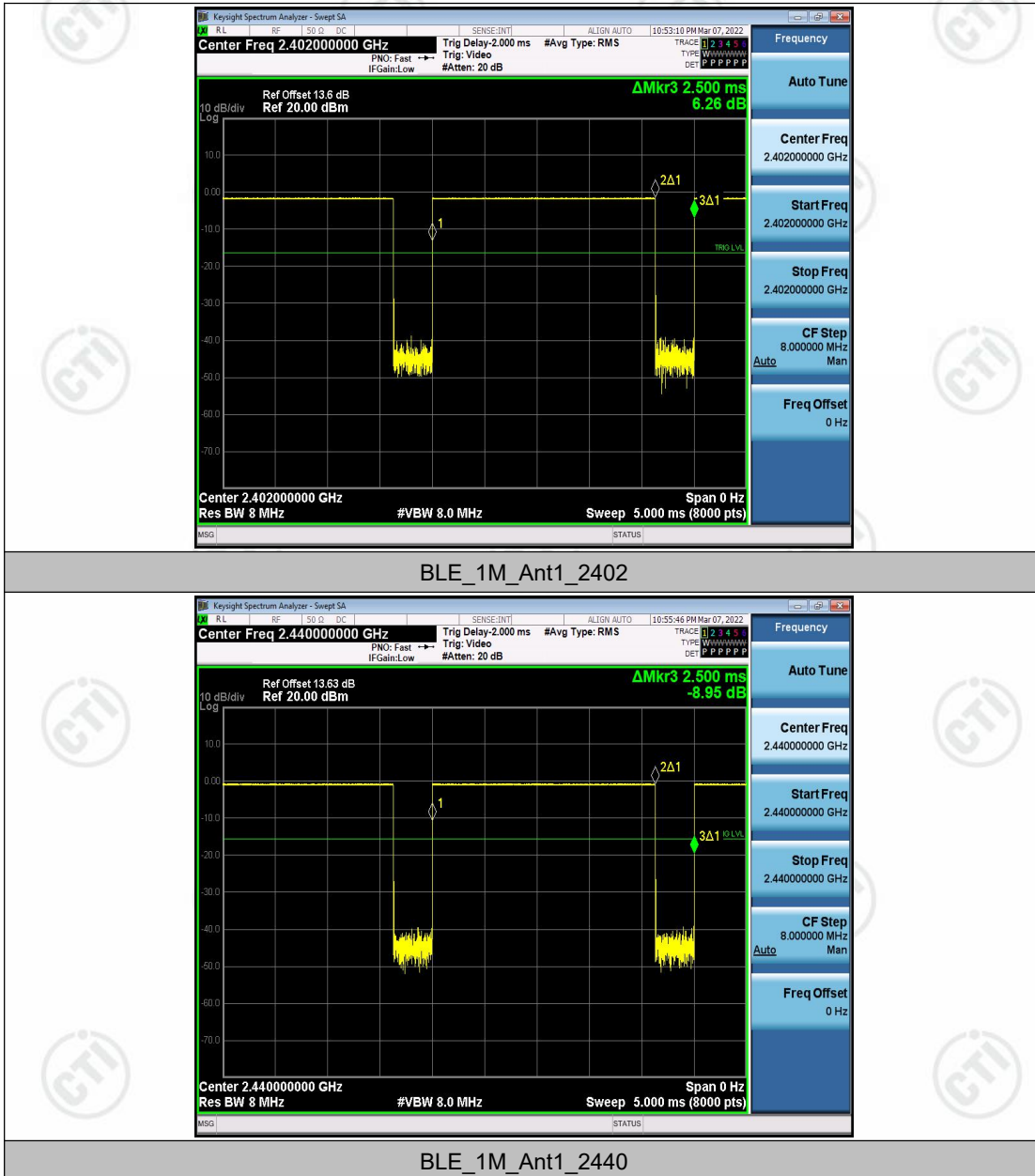
BLE_1M_Ant1_2480_30~1000

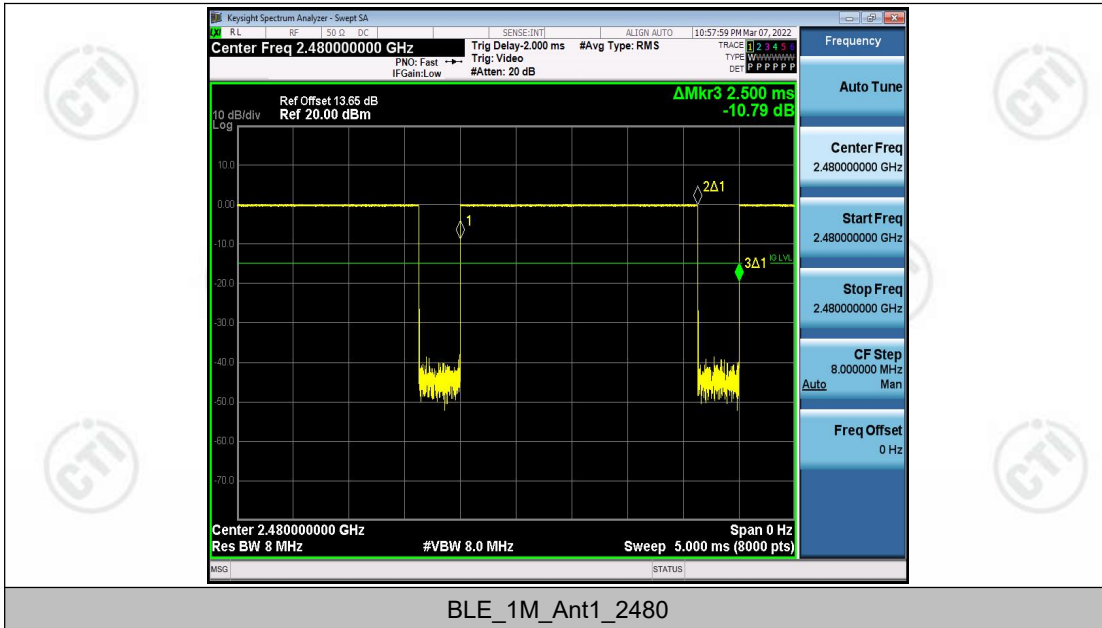


Appendix G: Duty Cycle**Test Result**

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	2.13	2.50	85.08	---	PASS
		2440	2.13	2.50	85.10	---	PASS
		2480	2.13	2.50	85.10	---	PASS

Test Graphs





BLE_1M_Ant1_2480

*** End of Report ***