

RF Conducted Test Data of Bluetooth LE

Contents

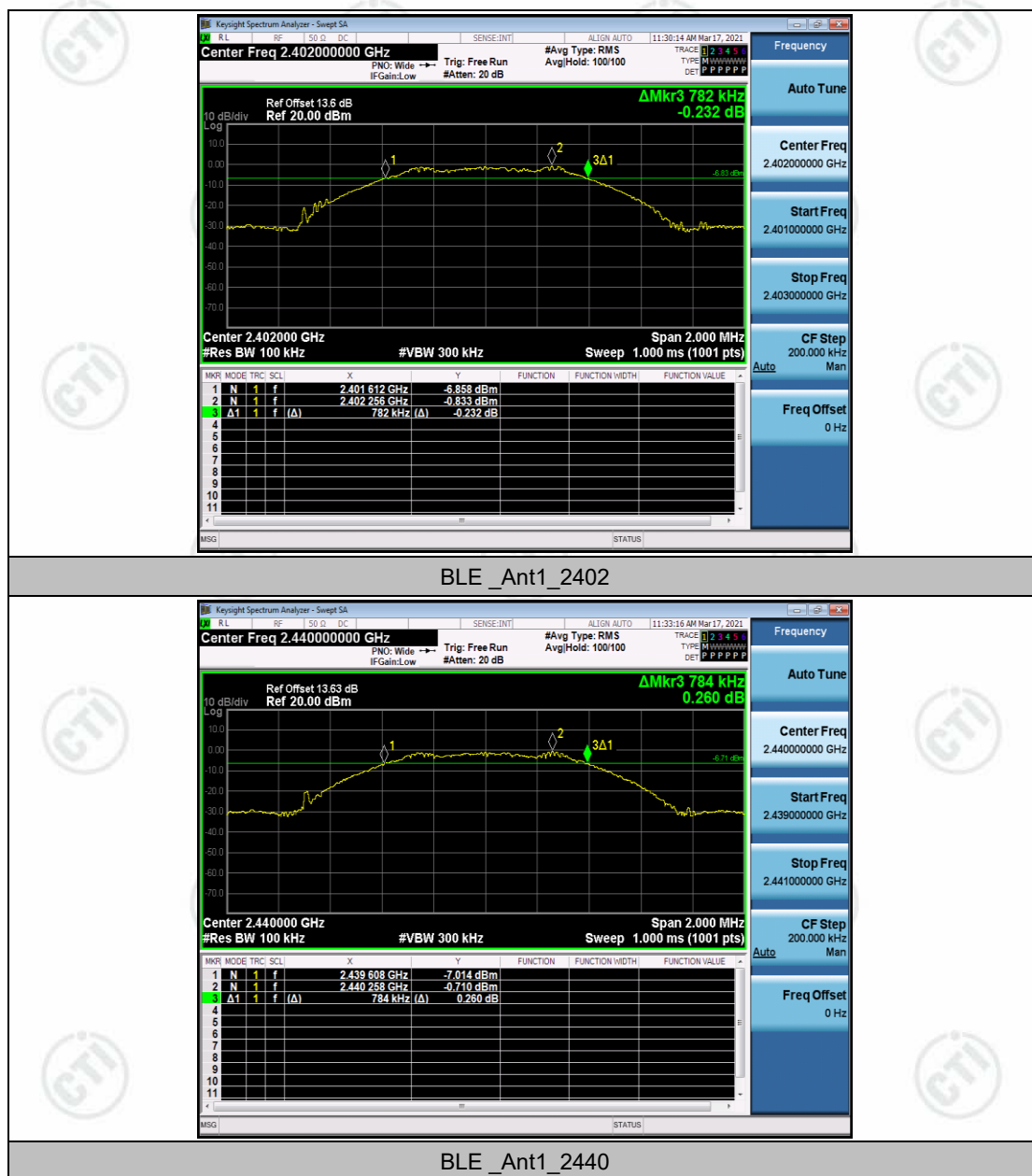
Appendix A: DTS Bandwidth	3
Test Result	3
Test Graphs	4
Appendix B: Occupied Channel Bandwidth.....	6
Test Result	6
Test Graphs	7
Appendix C: Maximum conducted output power.....	9
Test Result	9
Test Graphs	10
Appendix D: Maximum power spectral density	12
Test Result	12
Test Graphs	13
Appendix E: Band edge measurements	15
Test Result	15
Test Graphs	16
Appendix F: Conducted Spurious Emission	17
Test Result	17
Test Graphs	18
Appendix G: Duty Cycle.....	23
Test Result	23
Test Graphs	24

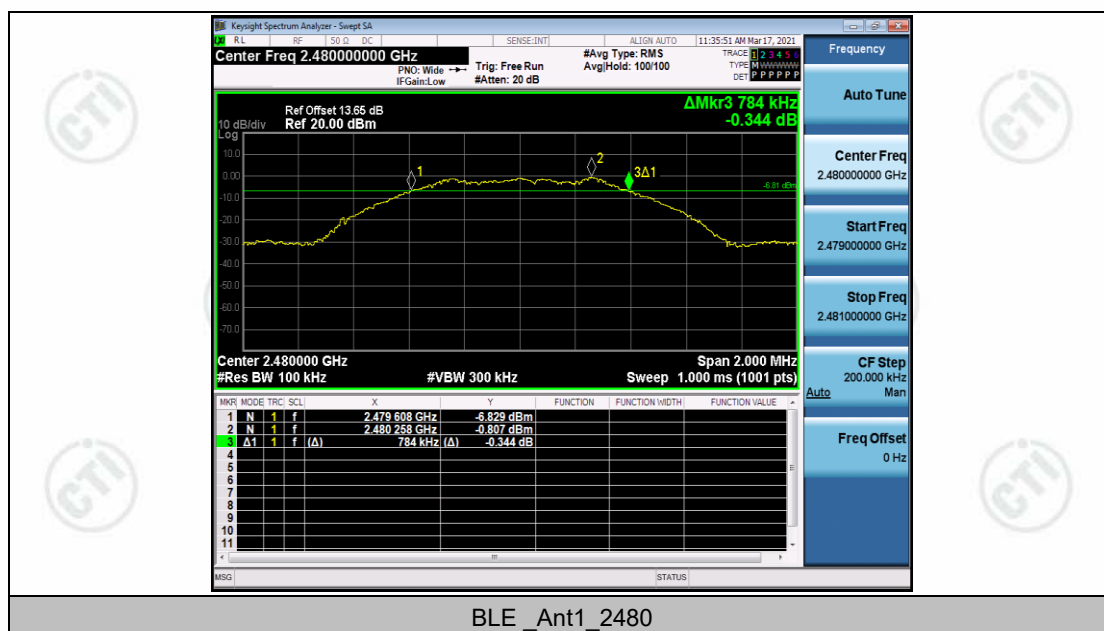
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.782	2401.612	2402.394	0.5	PASS
		2440	0.784	2439.608	2440.392	0.5	PASS
		2480	0.784	2479.608	2480.392	0.5	PASS

Test Graphs



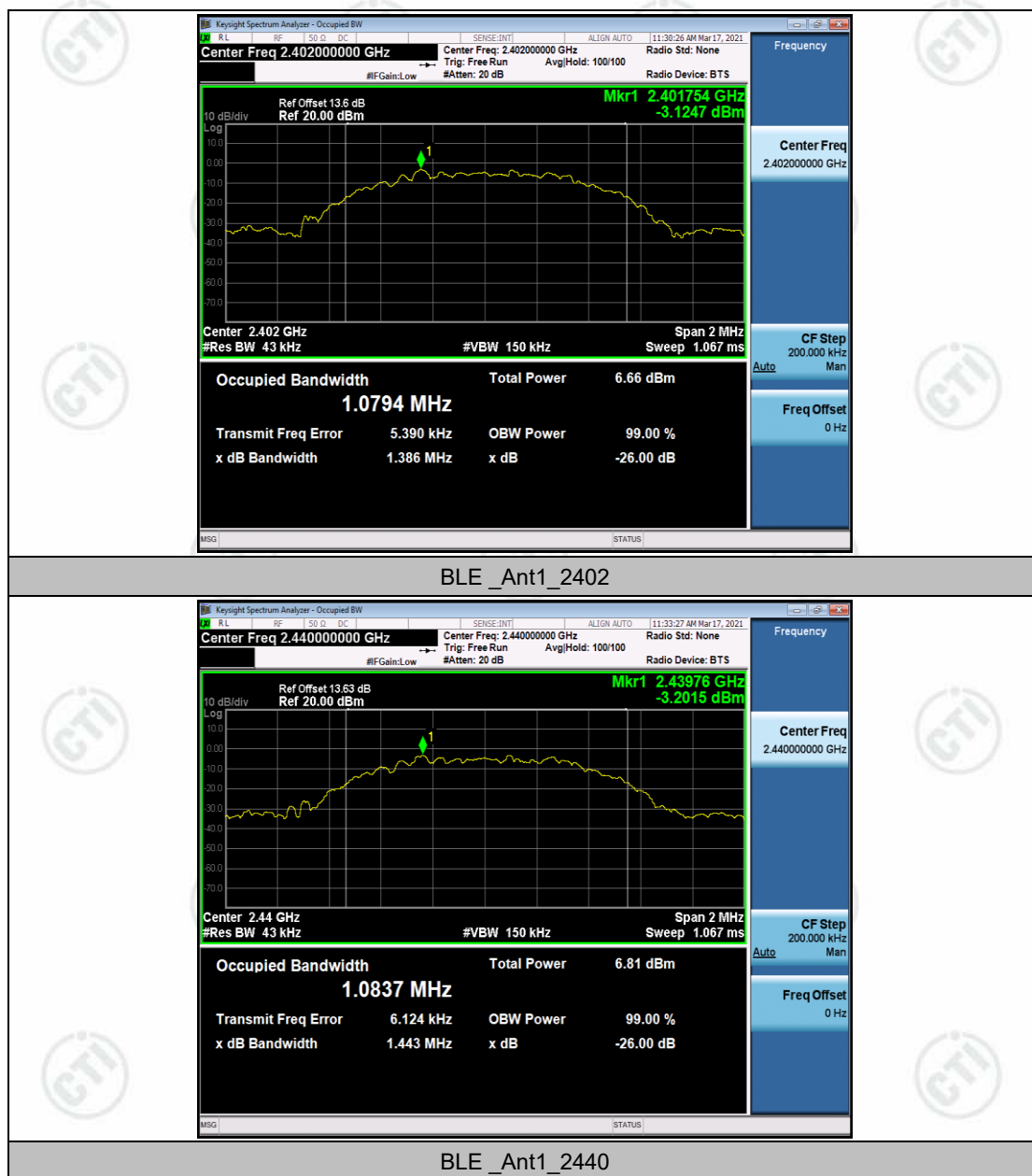


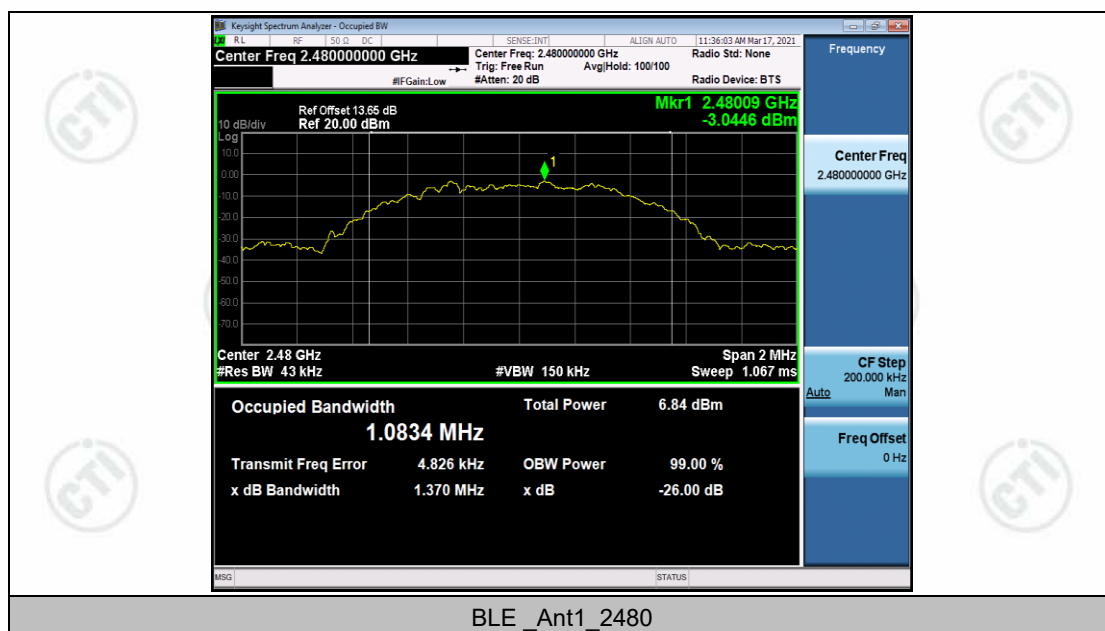
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0794	2401.466	2402.545	---	PASS
		2440	1.0837	2439.464	2440.548	---	PASS
		2480	1.0834	2479.463	2480.547	---	PASS

Test Graphs



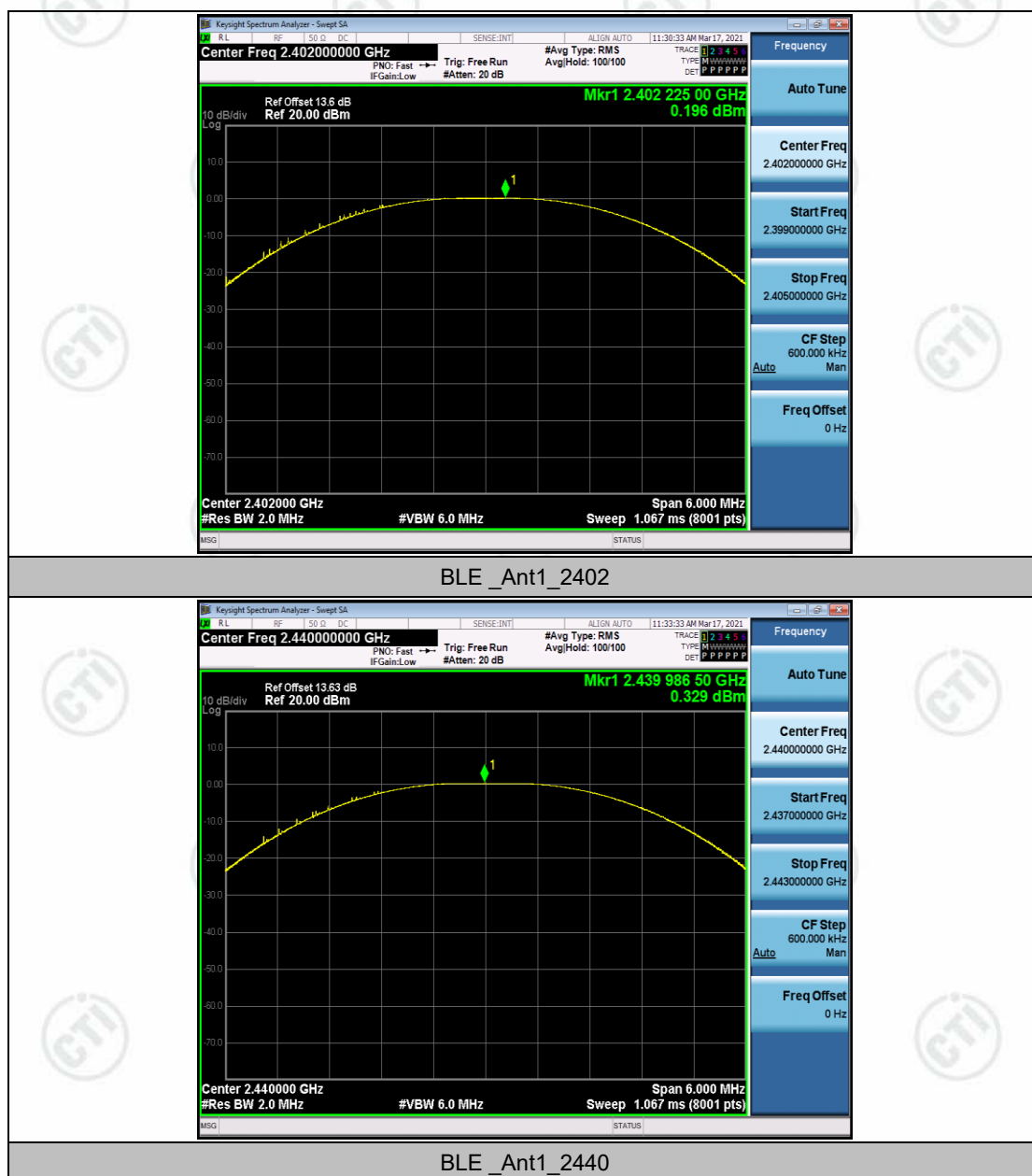


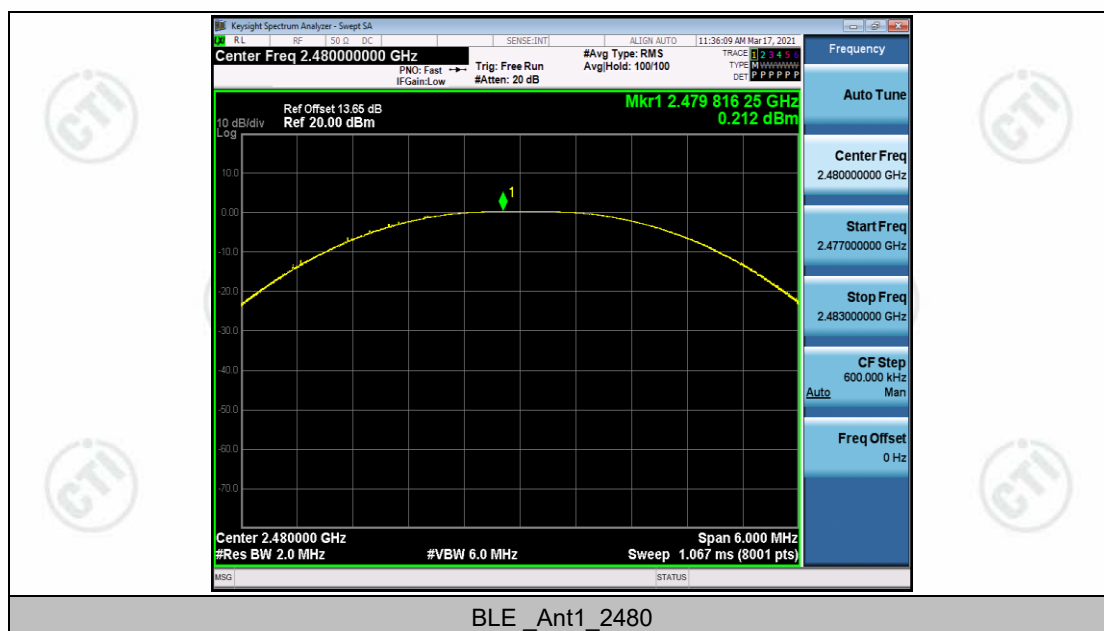
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	0.2	<=30	PASS
		2440	0.33	<=30	PASS
		2480	0.21	<=30	PASS

Test Graphs



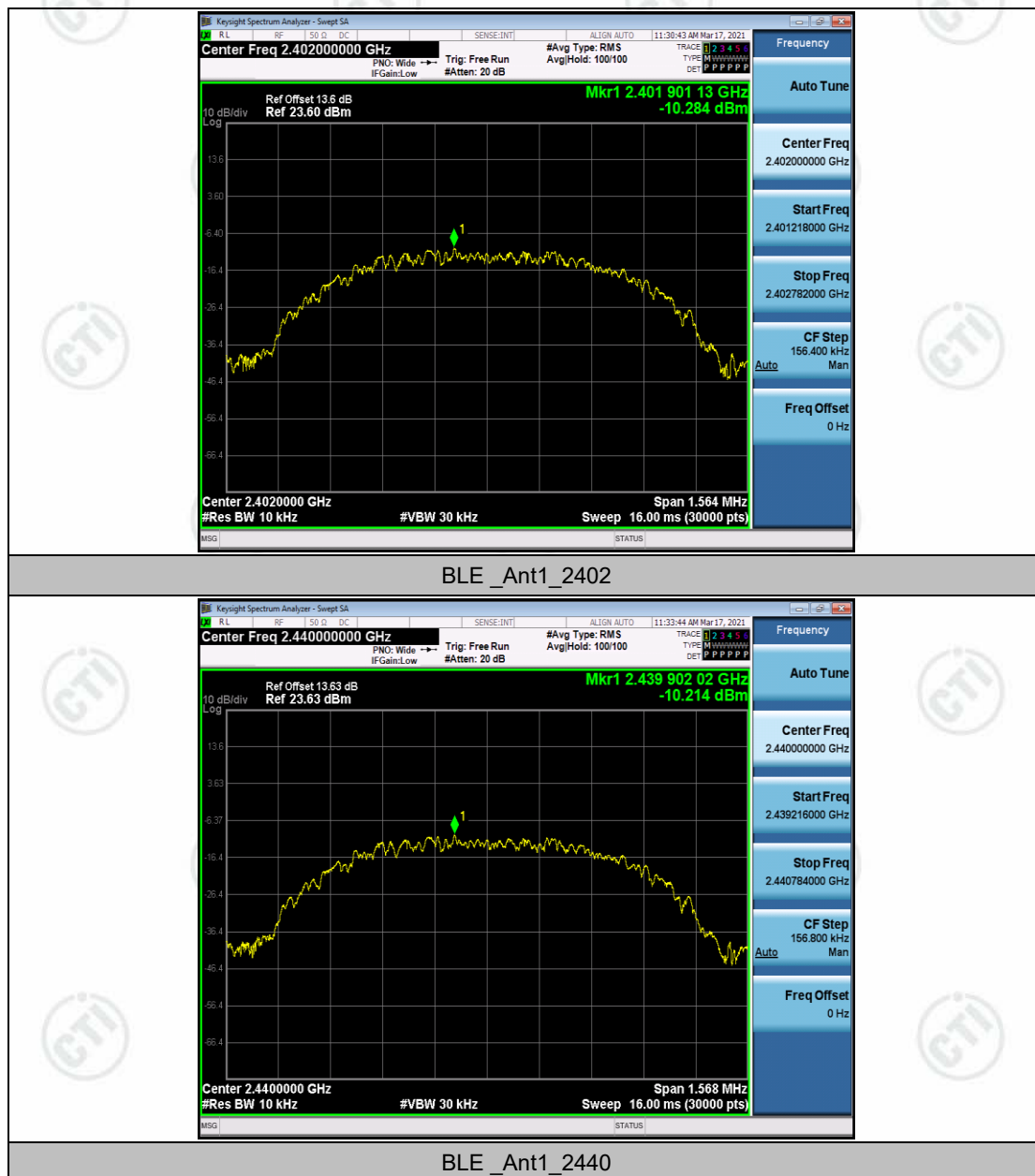


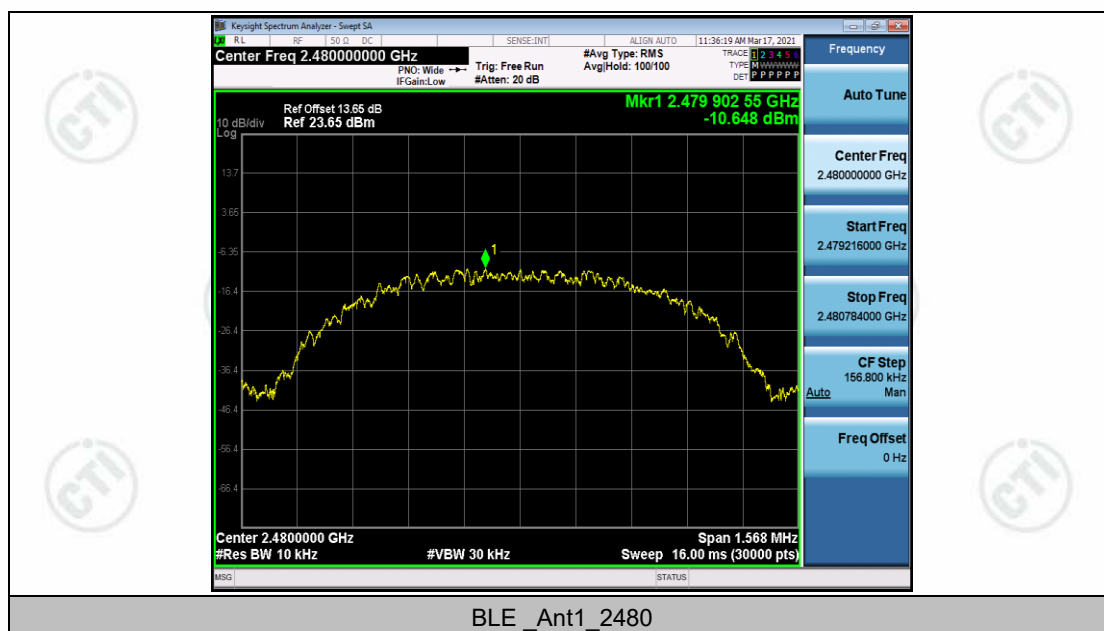
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.28	<=8	PASS
		2440	-10.21	<=8	PASS
		2480	-10.65	<=8	PASS

Test Graphs



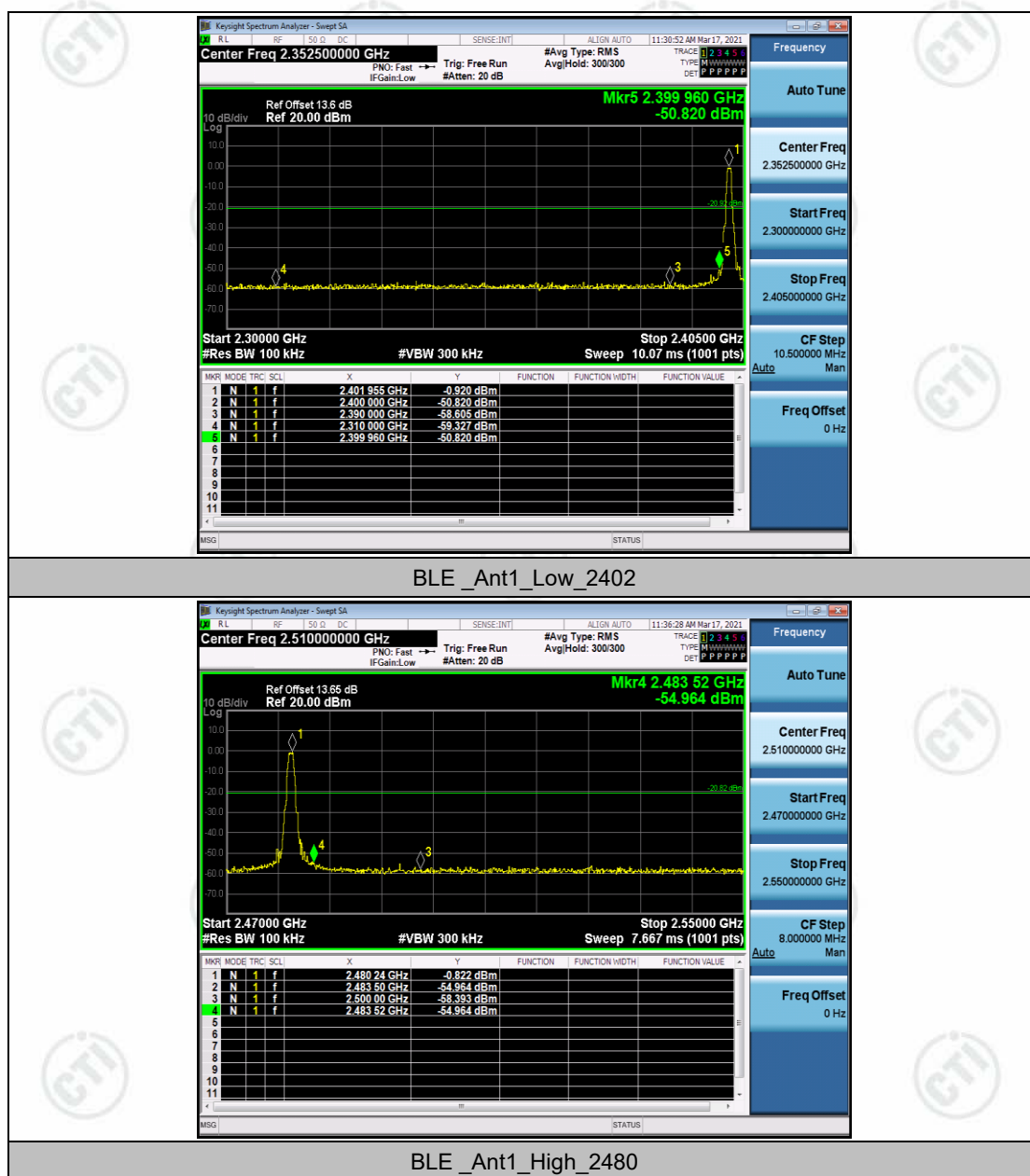


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-0.92	-50.82	<=-20.92	PASS
		High	2480	-0.82	-54.96	<=-20.82	PASS

Test Graphs

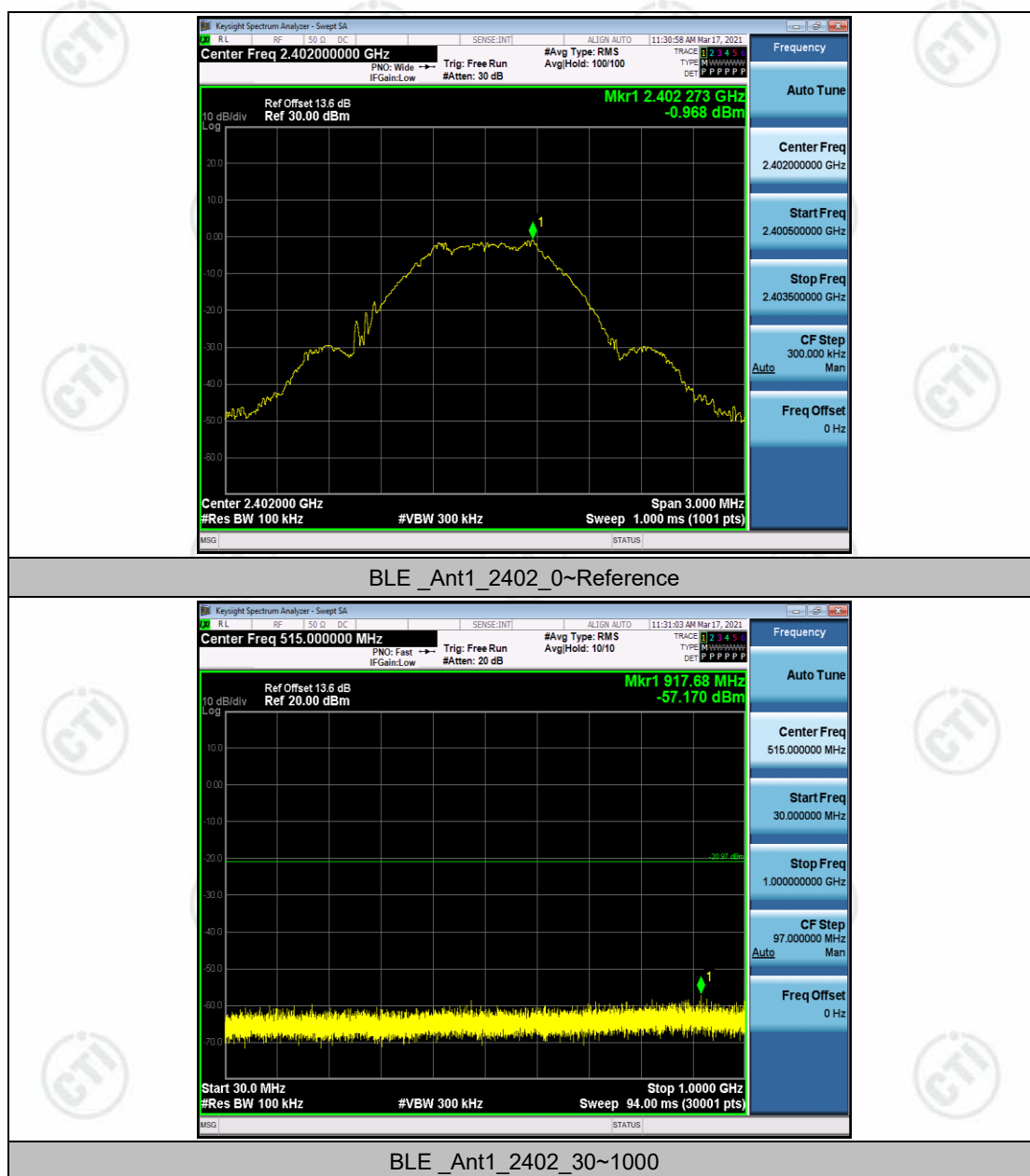


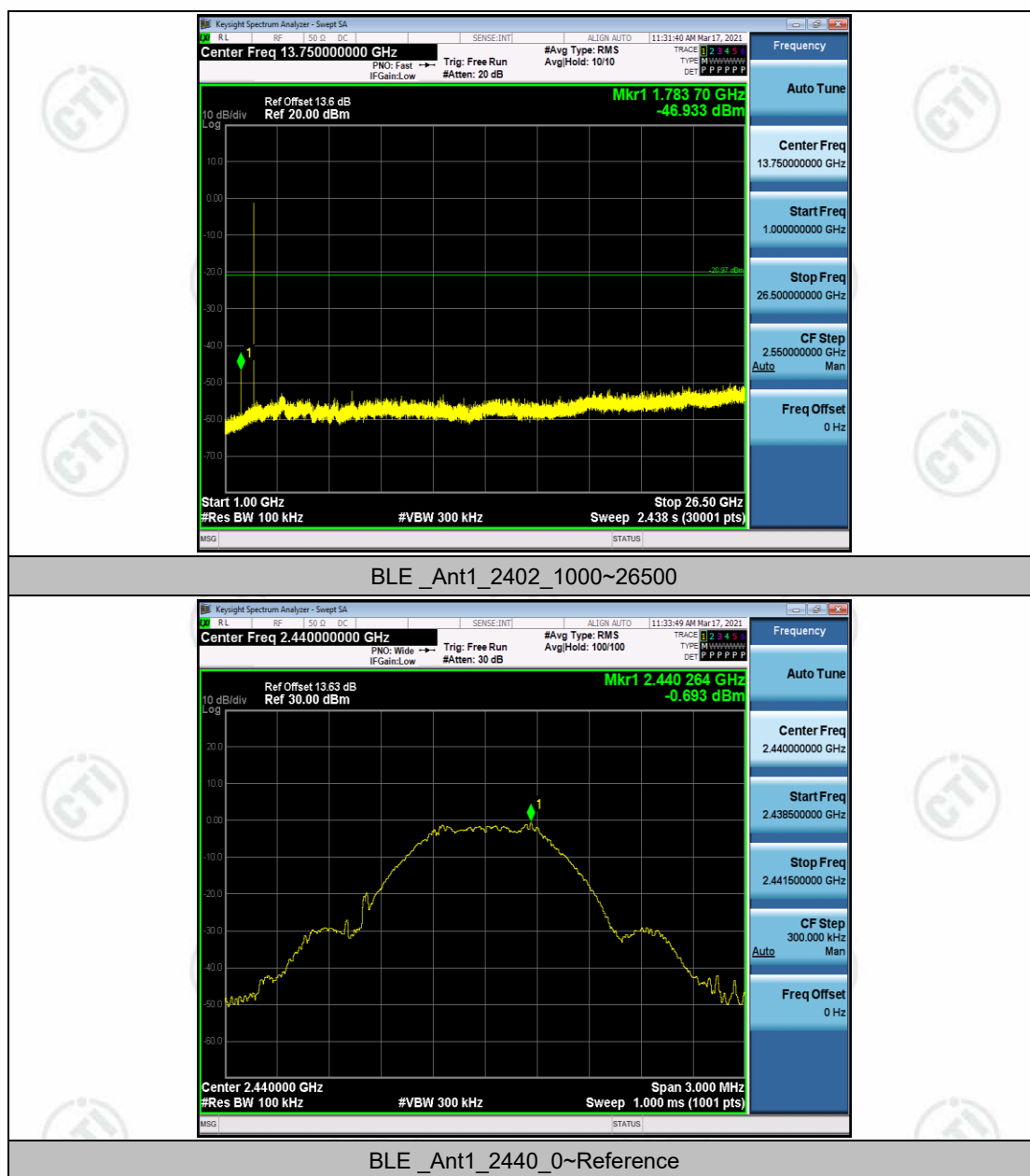
Appendix F: Conducted Spurious Emission

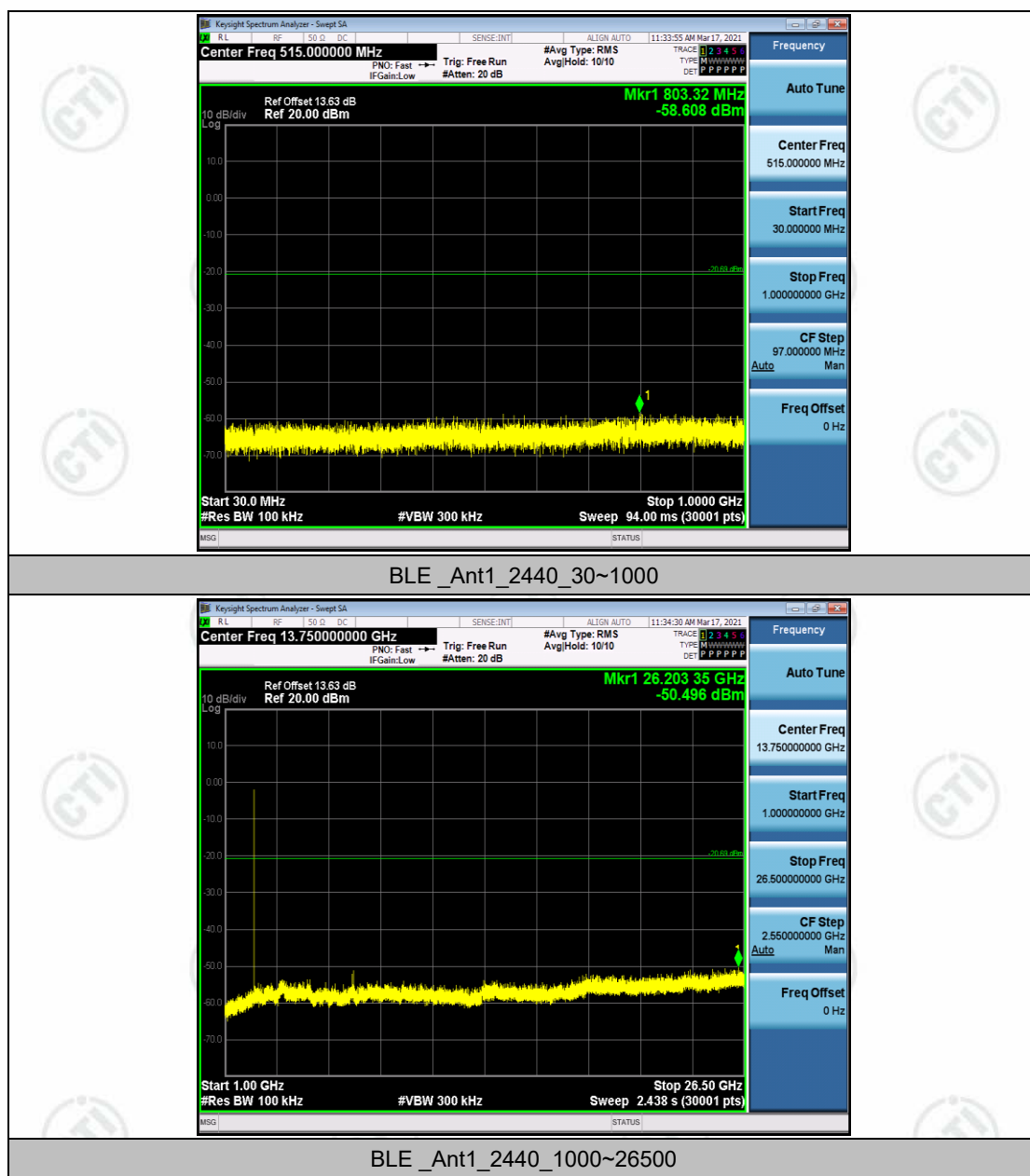
Test Result

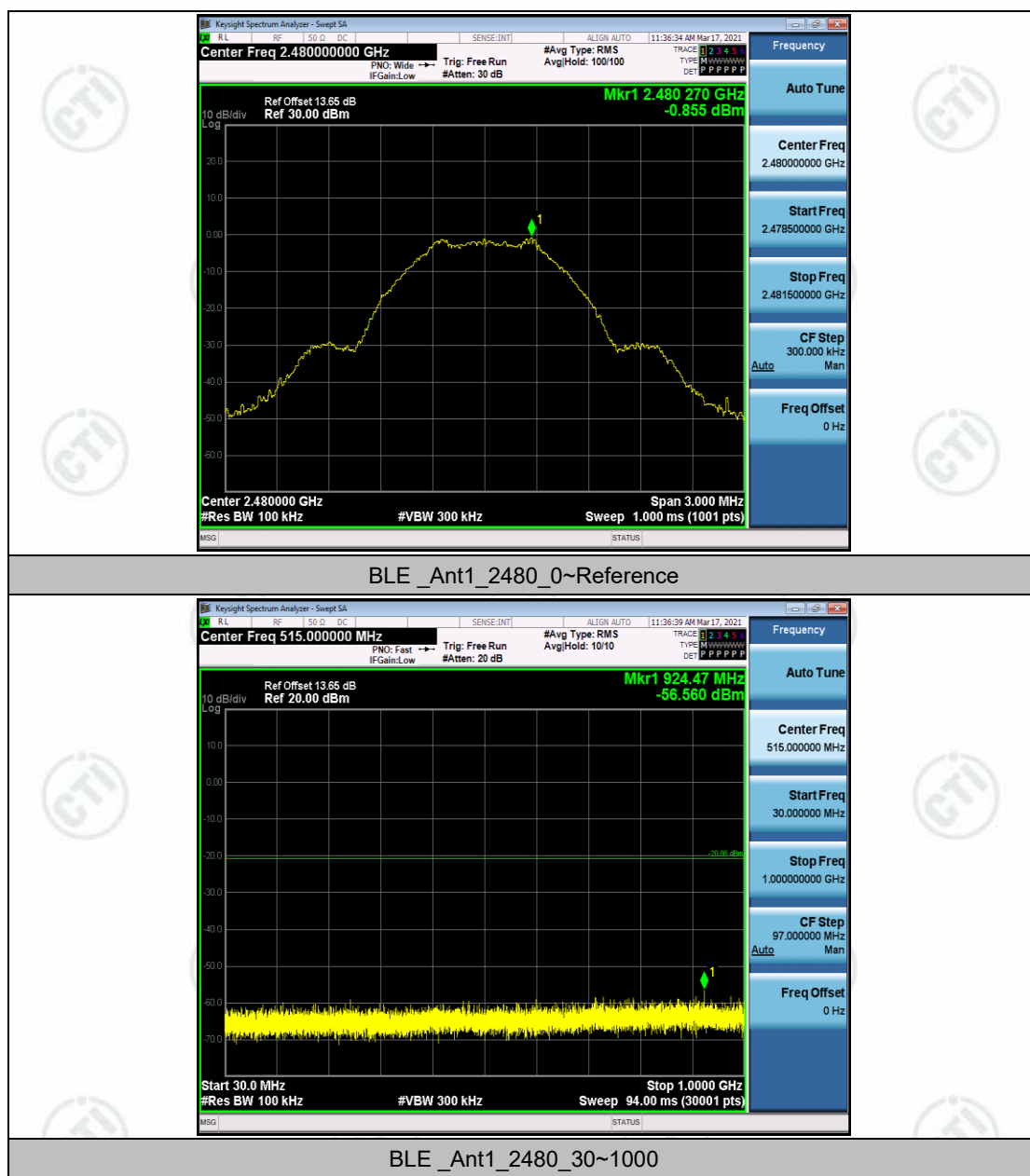
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-0.97	-0.97	---	PASS
			30~1000	30~1000	-57.17	<=-20.968	PASS
			1000~26500	1000~26500	-46.933	<=-20.968	PASS
		2440	Reference	-0.69	-0.69	---	PASS
			30~1000	30~1000	-58.608	<=-20.693	PASS
			1000~26500	1000~26500	-50.496	<=-20.693	PASS
		2480	Reference	-0.86	-0.86	---	PASS
			30~1000	30~1000	-56.56	<=-20.855	PASS
			1000~26500	1000~26500	-49.403	<=-20.855	PASS

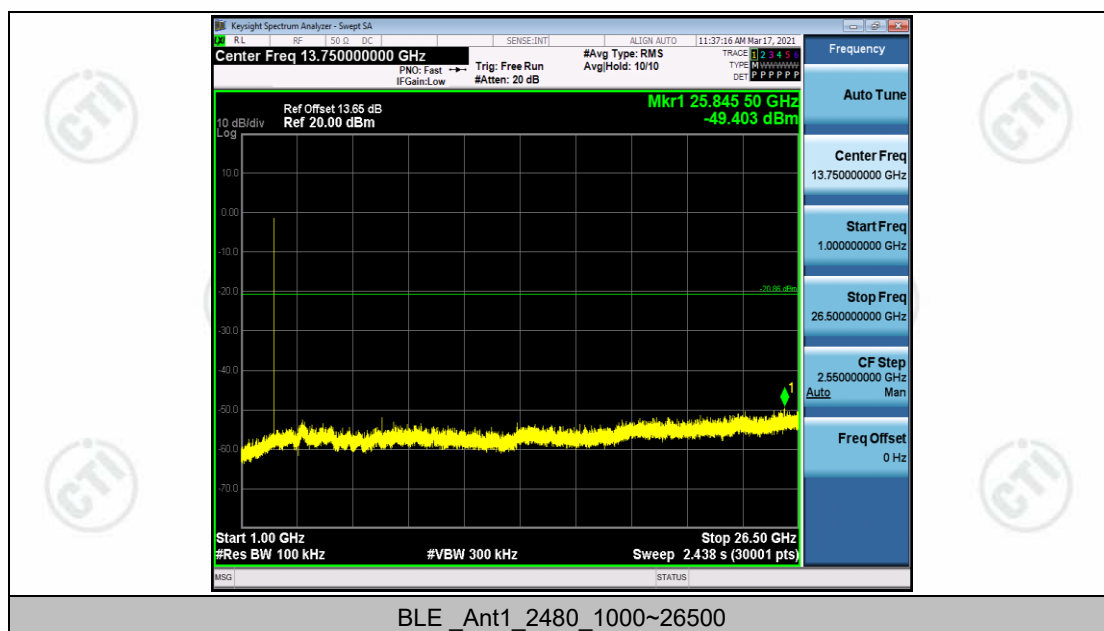
Test Graphs









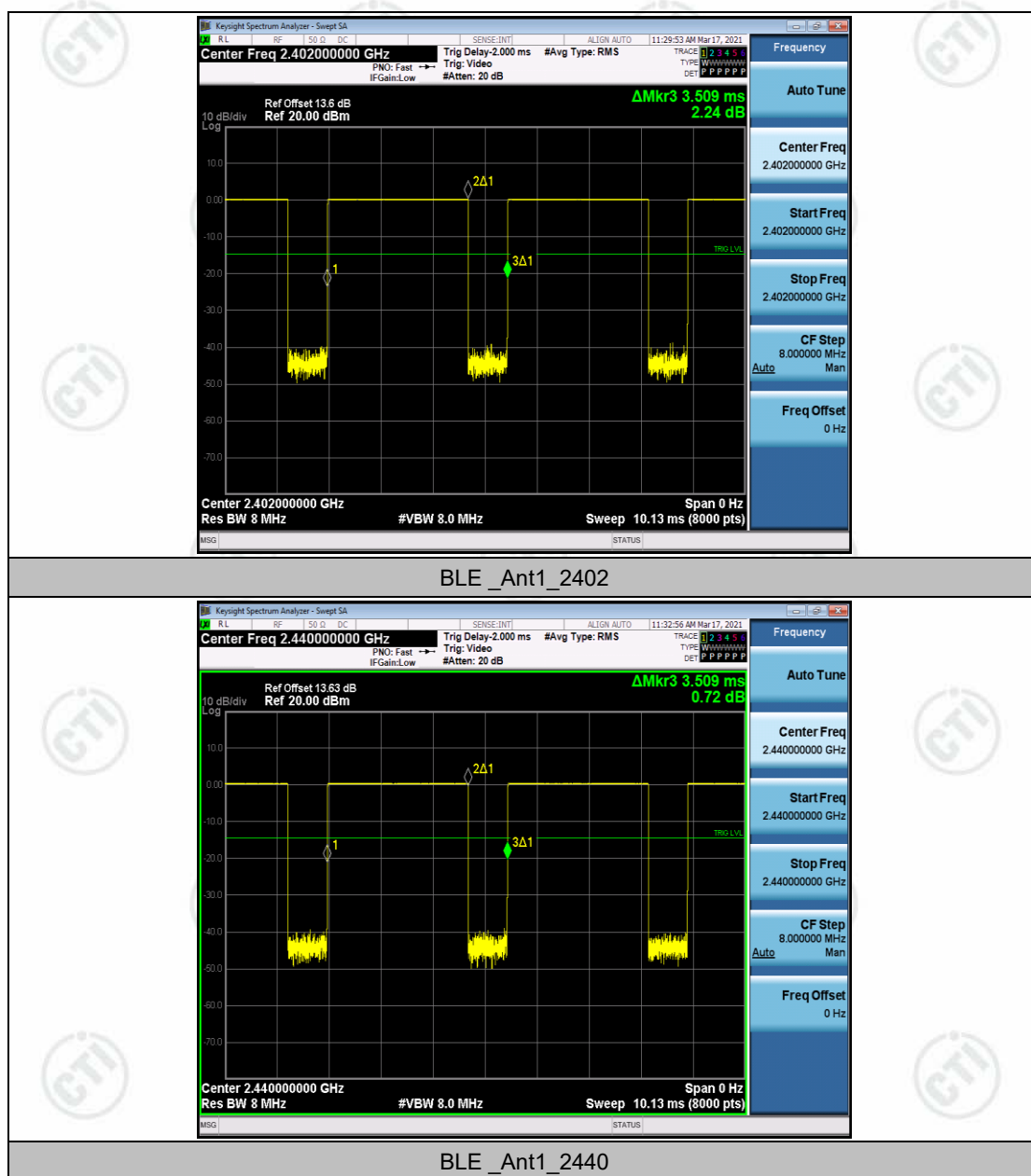


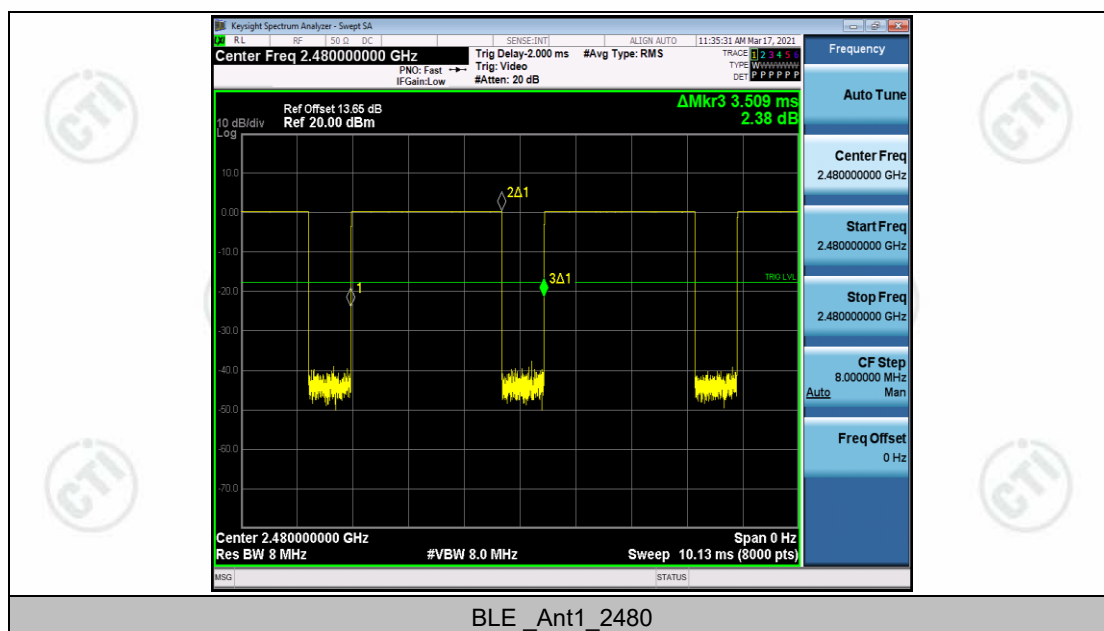
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE	Ant1	2402	2.74	3.51	78.19	---	PASS
		2440	2.74	3.51	78.19	---	PASS
		2480	2.74	3.51	78.19	---	PASS

Test Graphs





*** End of Report ***