

Appendix: Bluetooth LE

Contents

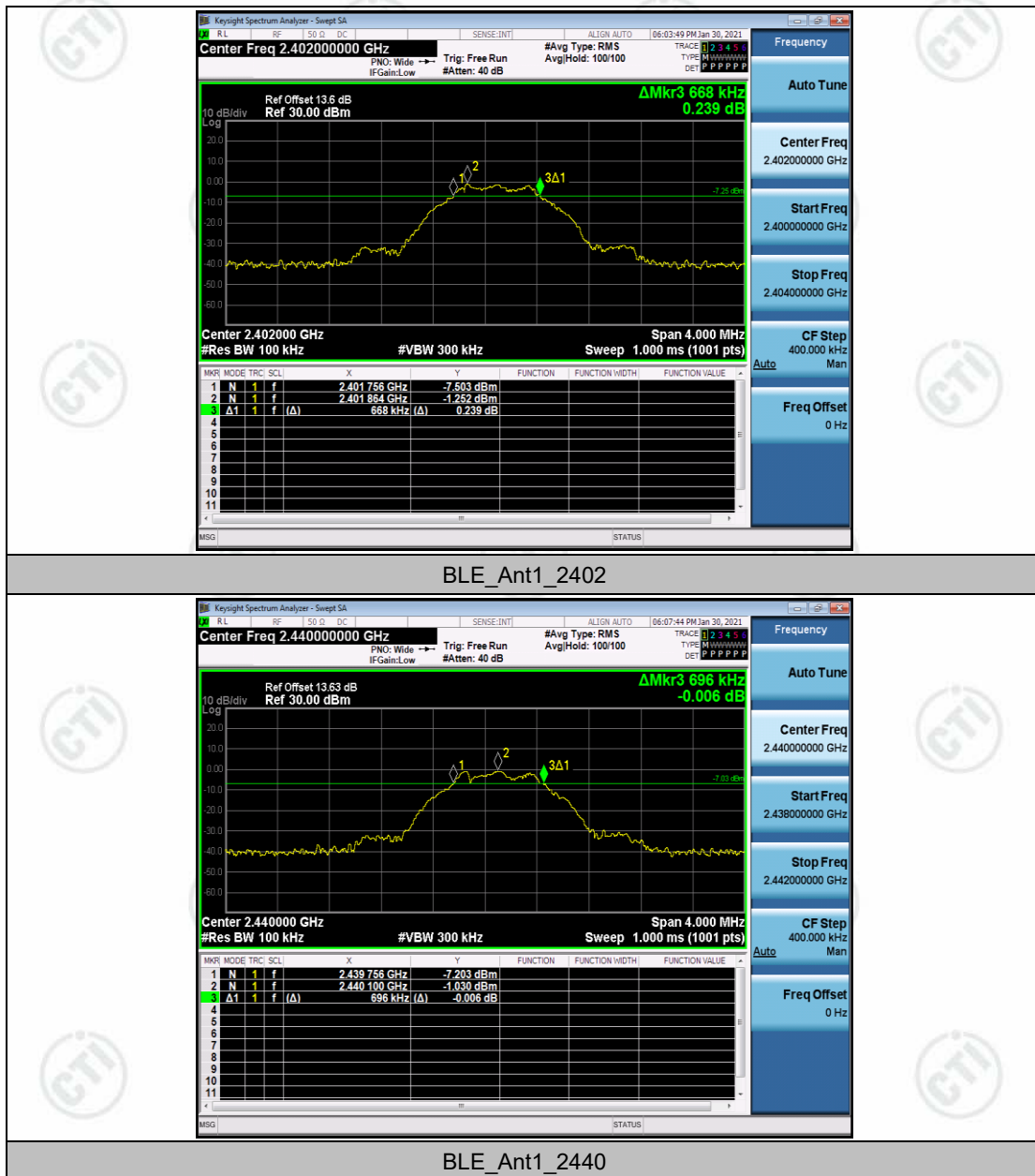
Appendix A: DTS Bandwidth	3
Test Result	3
Test Graphs	4
Appendix B: Occupied Channel Bandwidth.....	6
Test Result	6
Test Graphs	7
Appendix C: Maximum conducted output power.....	9
Test Result	9
Test Graphs	10
Appendix D: Maximum power spectral density	12
Test Result	12
Test Graphs	13
Appendix E: Band 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

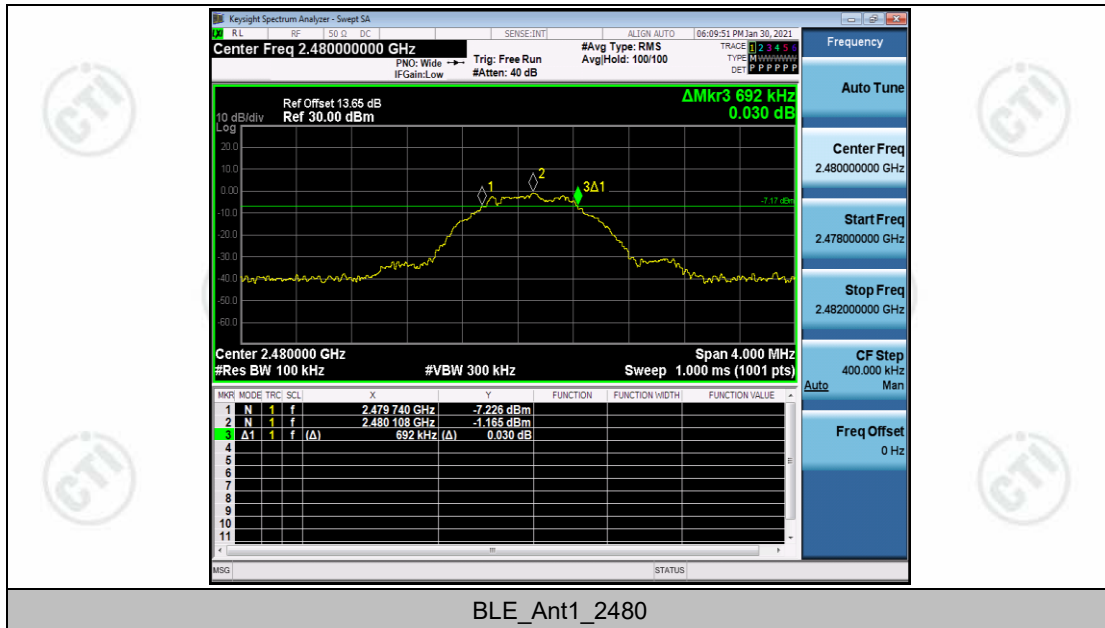
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.668	2401.756	2402.424	0.5	PASS
		2440	0.696	2439.756	2440.452	0.5	PASS
		2480	0.692	2479.740	2480.432	0.5	PASS

Test Graphs



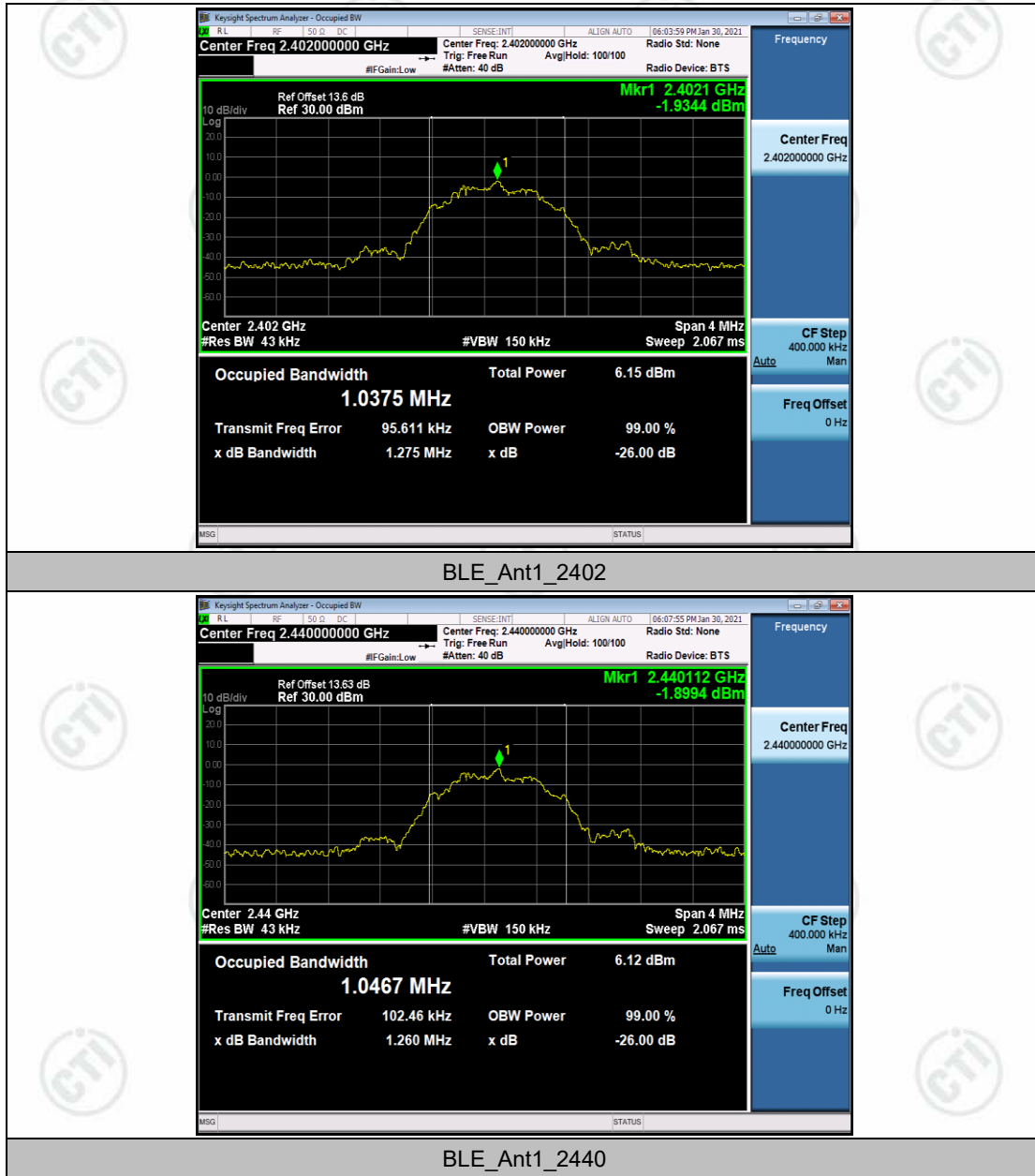


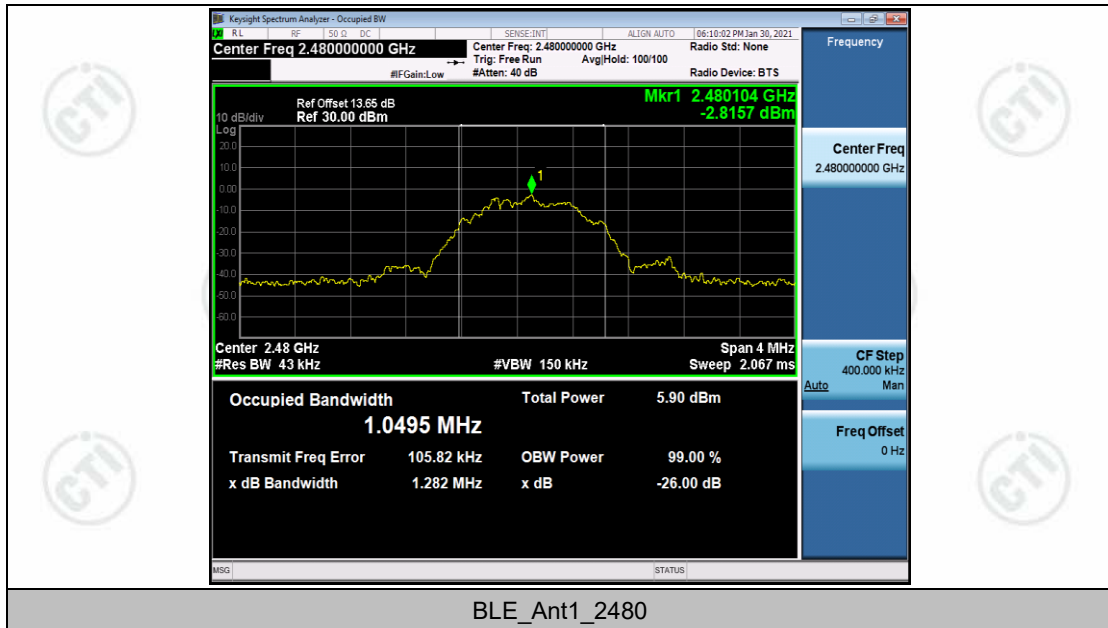
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0375	2401.577	2402.614	---	PASS
		2440	1.0467	2439.579	2440.626	---	PASS
		2480	1.0495	2479.581	2480.631	---	PASS

Test Graphs



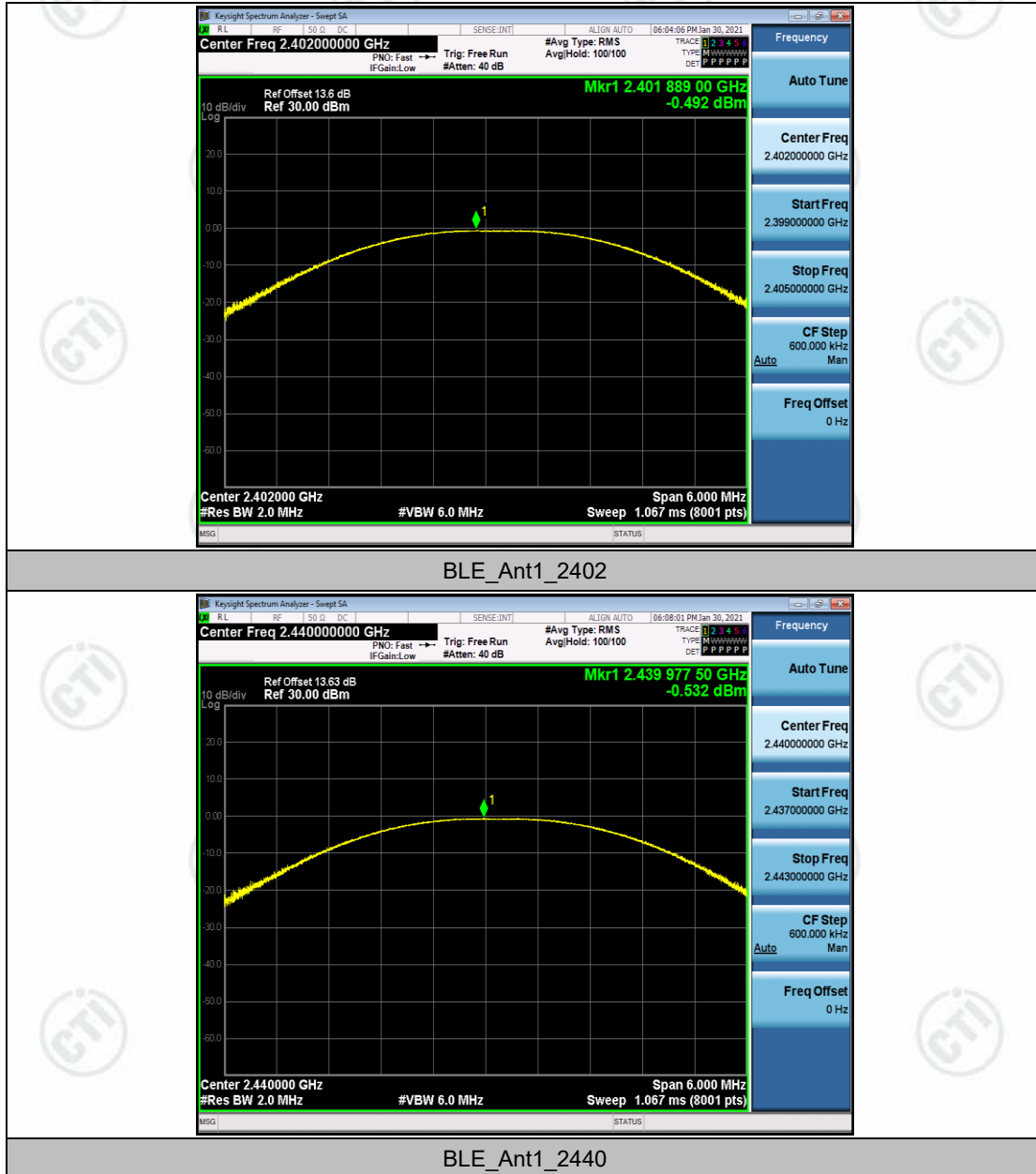


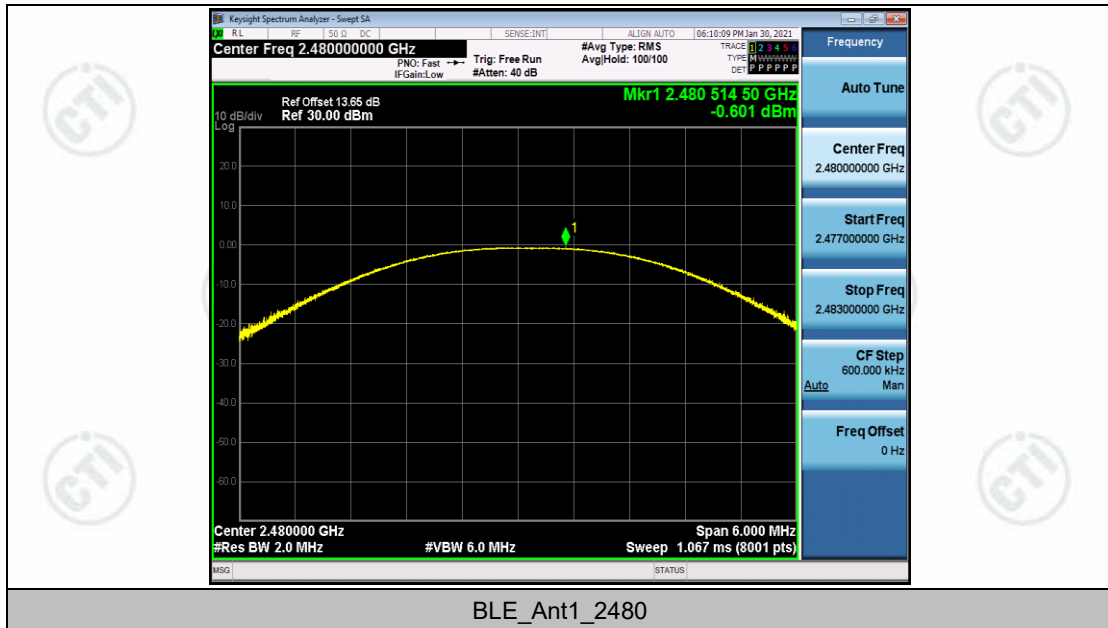
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	-0.49	<=30	PASS
		2440	-0.53	<=30	PASS
		2480	-0.6	<=30	PASS

Test Graphs



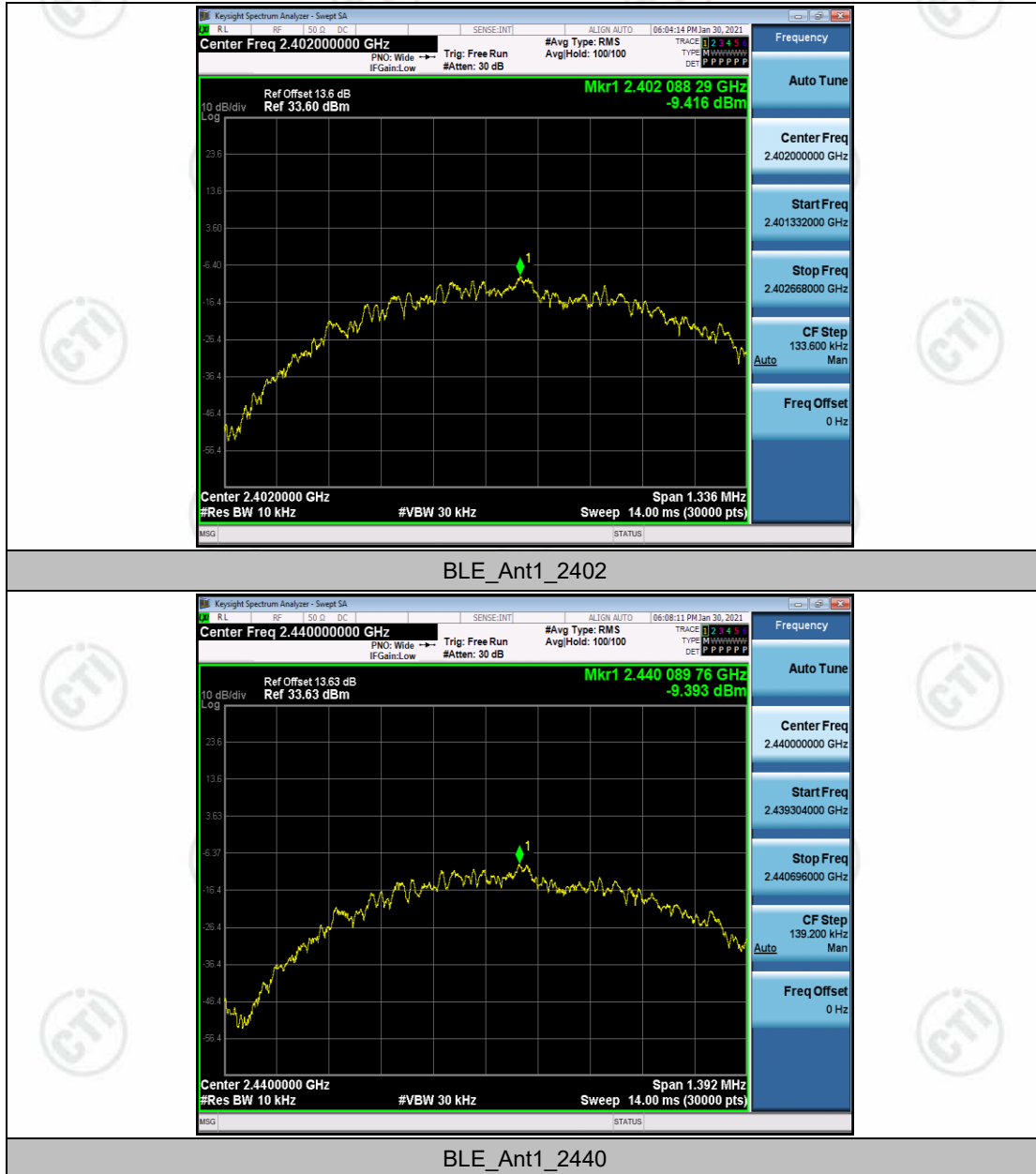


Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-9.42	<=8	PASS
		2440	-9.39	<=8	PASS
		2480	-8.75	<=8	PASS

Test Graphs



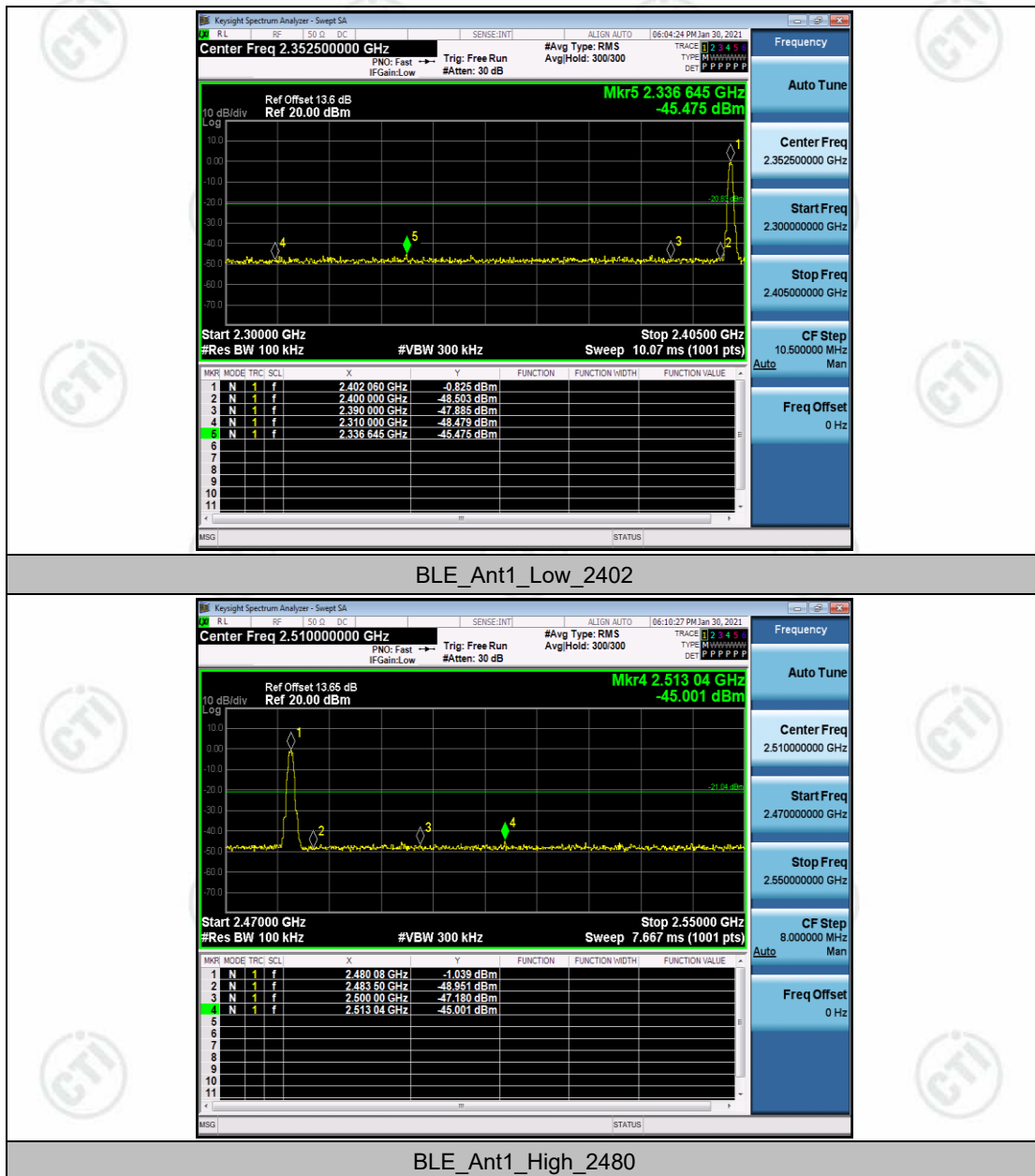


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-0.83	-45.48	<=-20.83	PASS
		High	2480	-1.04	-45	<=-21.04	PASS

Test Graphs

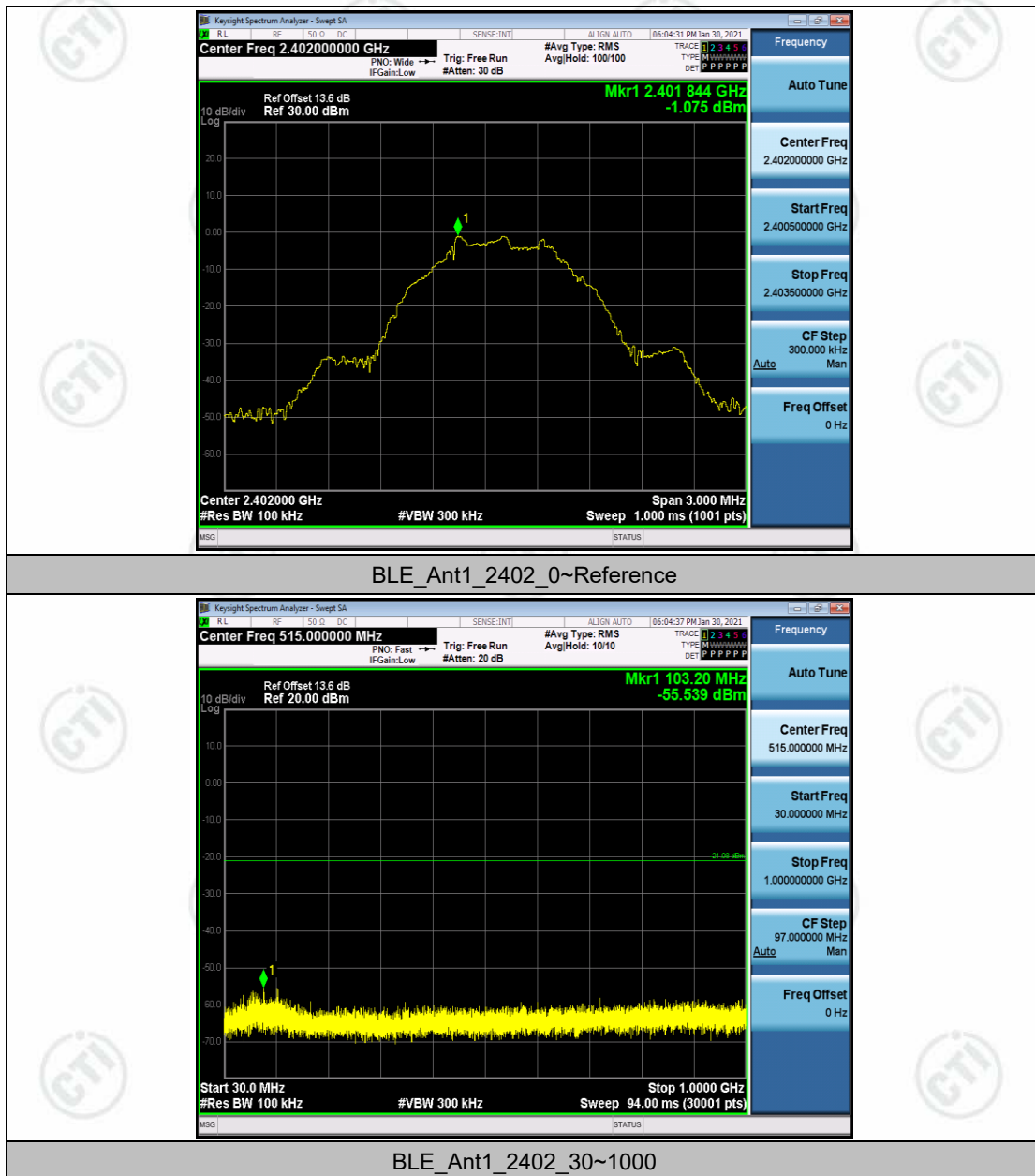


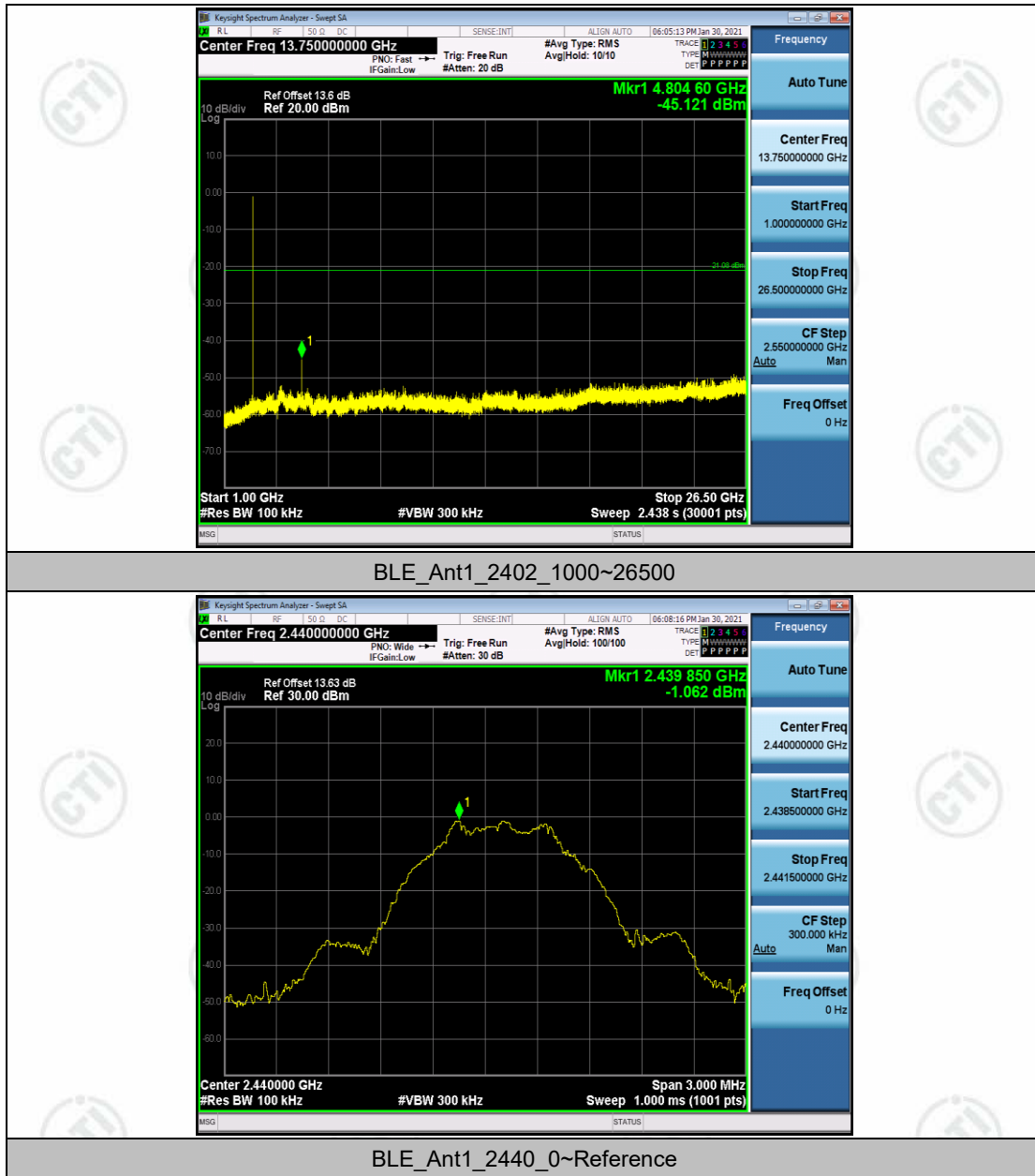
Appendix F: Conducted Spurious Emission

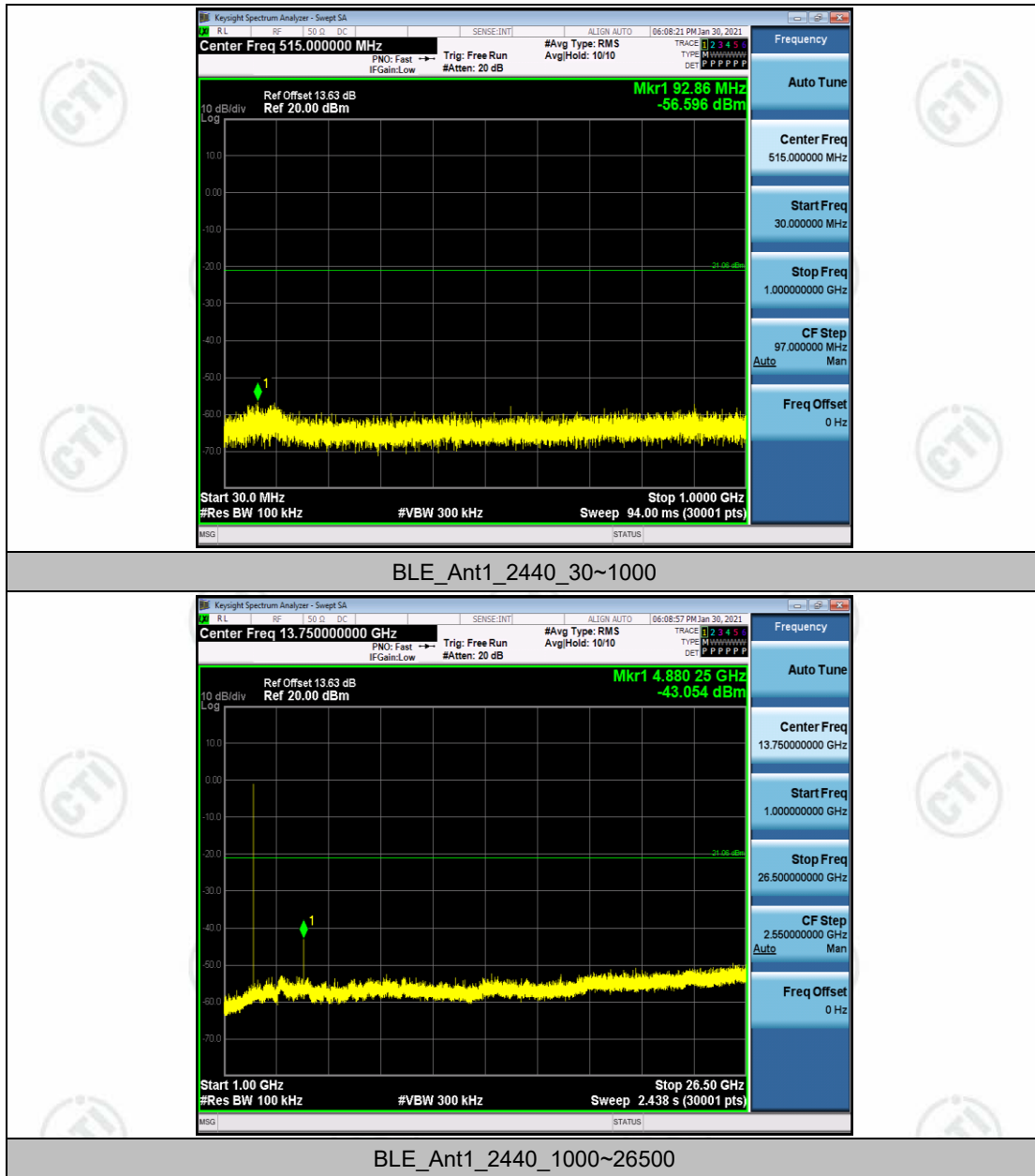
Test Result

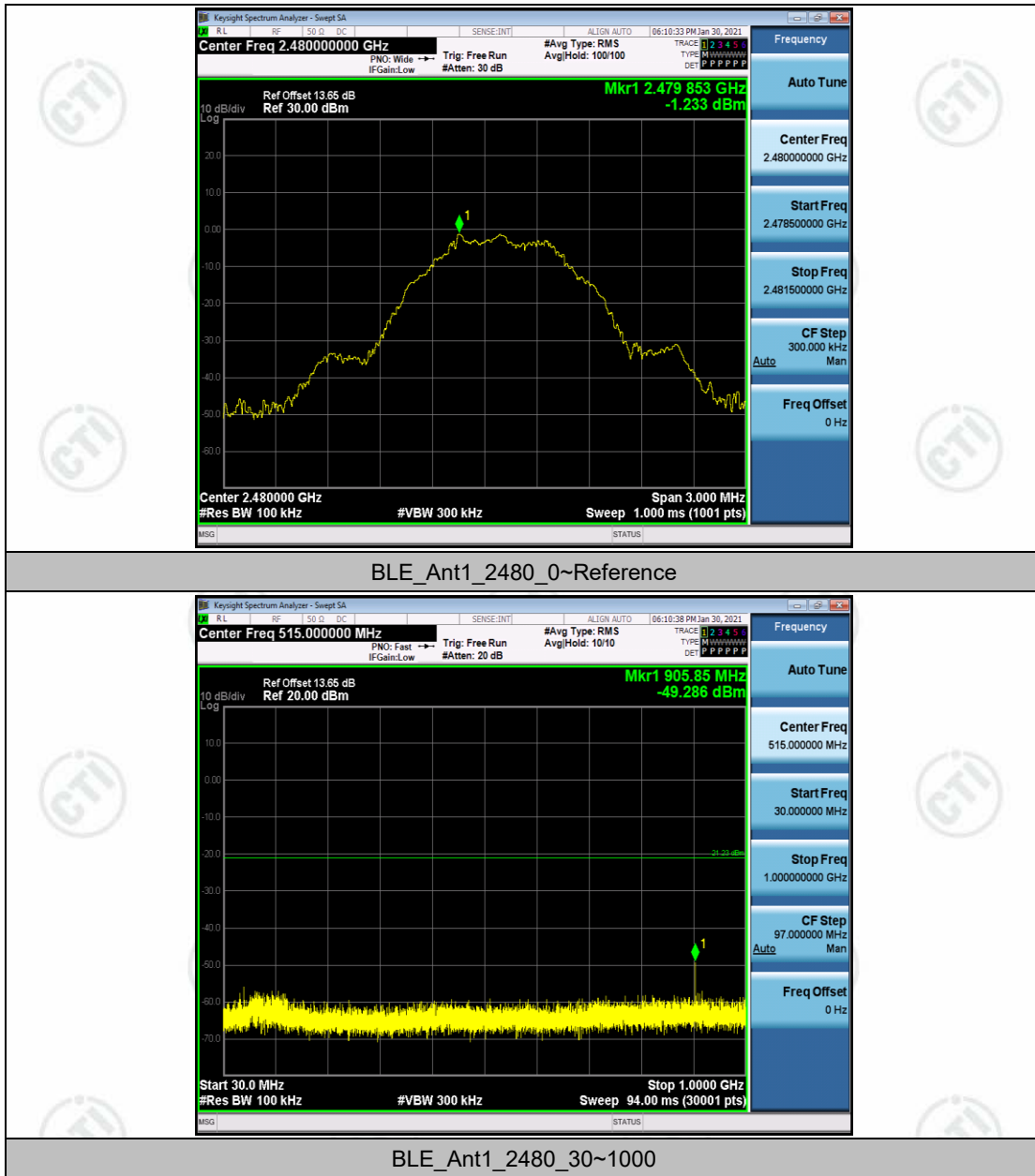
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-1.08	-1.08	---	PASS
			30~1000	30~1000	-55.539	<=-21.075	PASS
			1000~26500	1000~26500	-45.121	<=-21.075	PASS
		2440	Reference	-1.06	-1.06	---	PASS
			30~1000	30~1000	-56.596	<=-21.062	PASS
			1000~26500	1000~26500	-43.054	<=-21.062	PASS
		2480	Reference	-1.23	-1.23	---	PASS
			30~1000	30~1000	-49.286	<=-21.233	PASS
			1000~26500	1000~26500	-49.524	<=-21.233	PASS

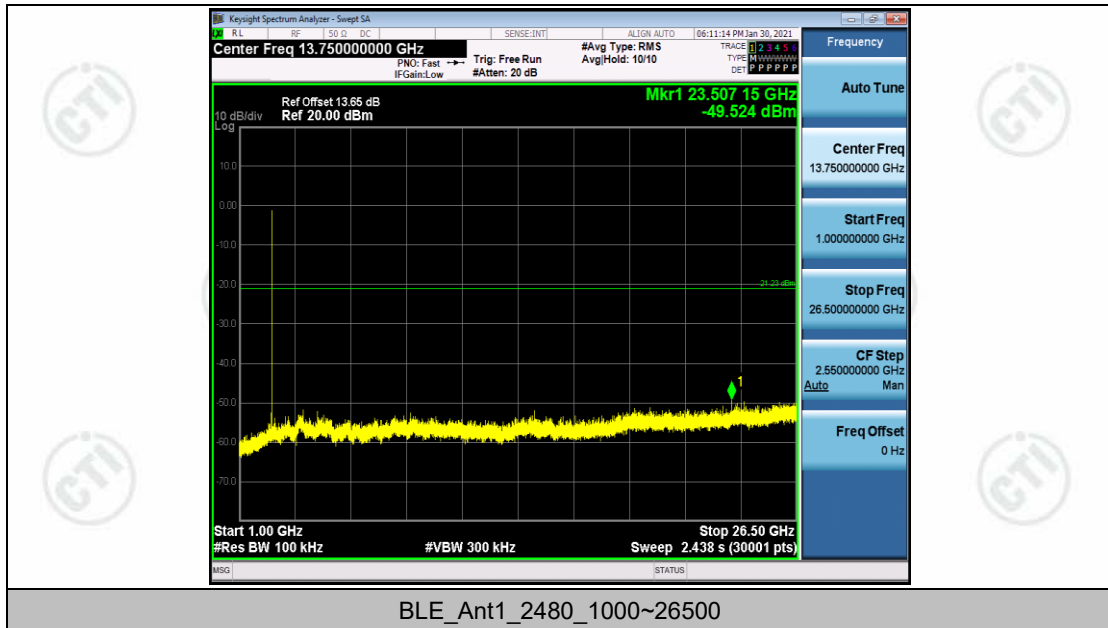
Test Graphs









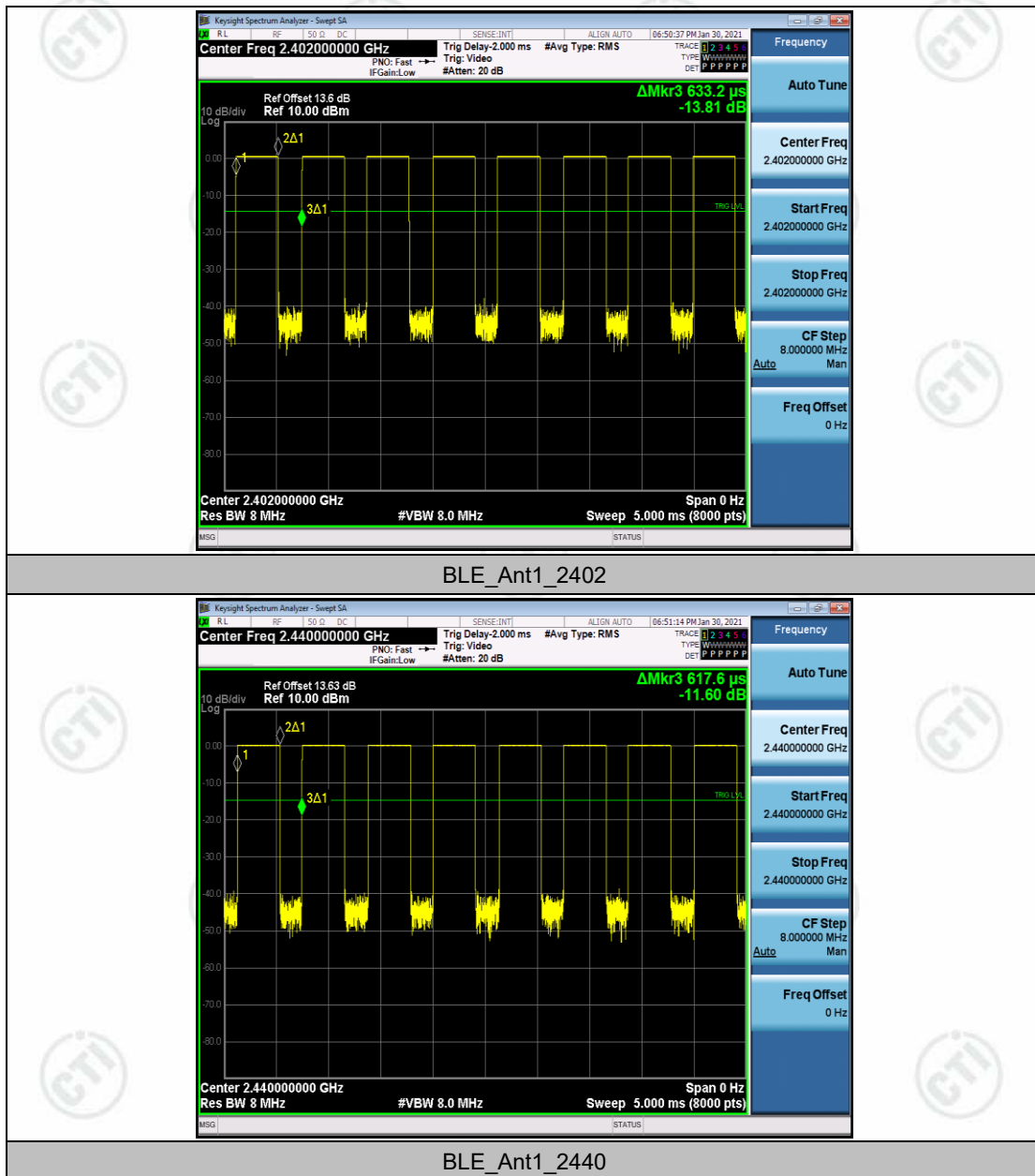


Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE	Ant1	2402	0.41	0.63	63.97	---	PASS
		2440	0.41	0.62	65.69	---	PASS
		2480	0.41	0.62	65.62	---	PASS

Test Graphs





*** End of Report ***