

RF Conducted Test Data of Bluetooth LE

Contents

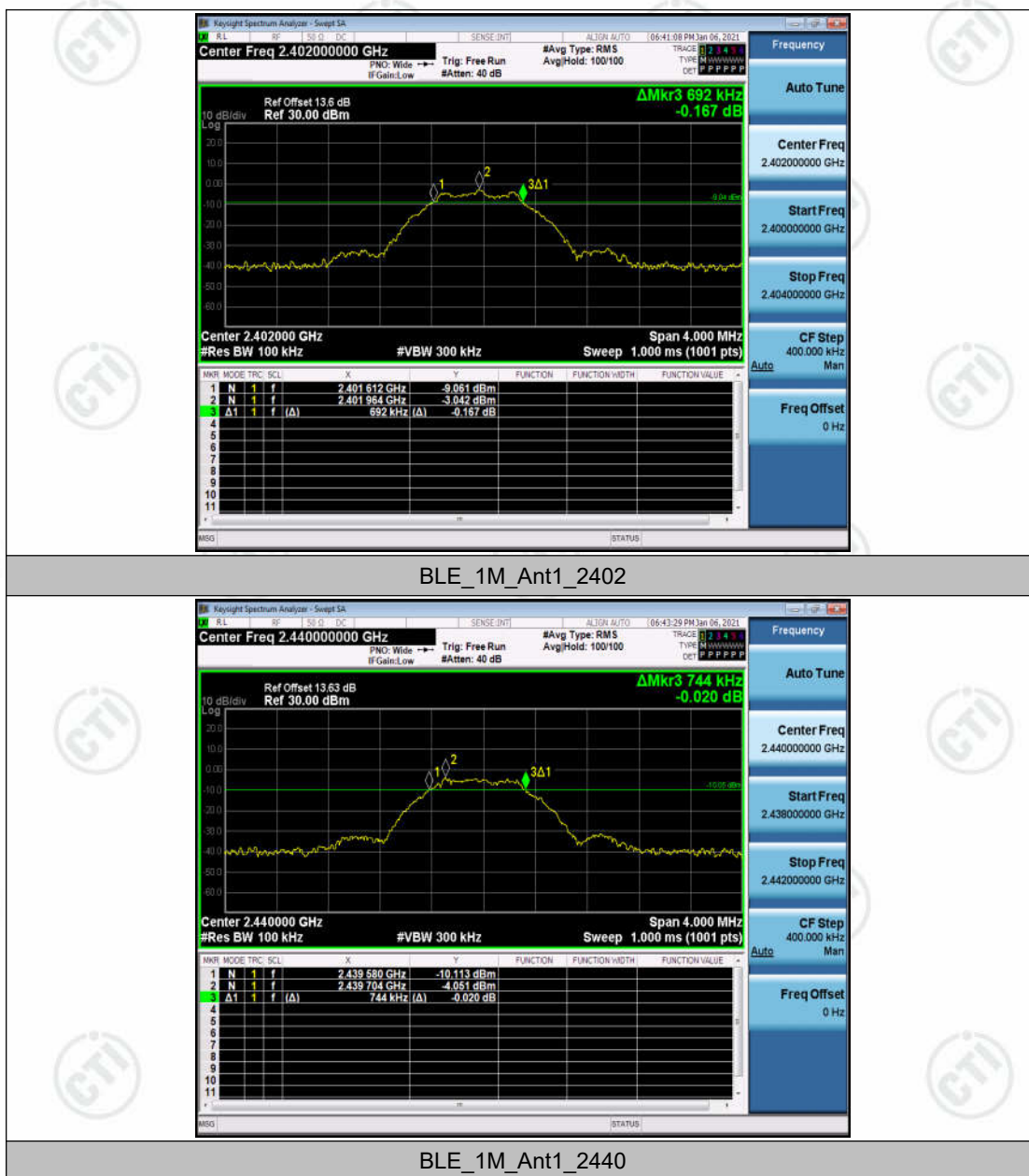
Appendix A: DTS Bandwidth.....	3
Test Result.....	3
Test Graphs.....	4
Appendix B: 99% Occupied Bandwidth.....	6
Test Result.....	6
Test Graphs.....	7
Appendix C: Maximum conducted output power.....	9
Test Result.....	9
Test Graphs.....	10
Appendix D: Maximum power spectral density.....	12
Test Result.....	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

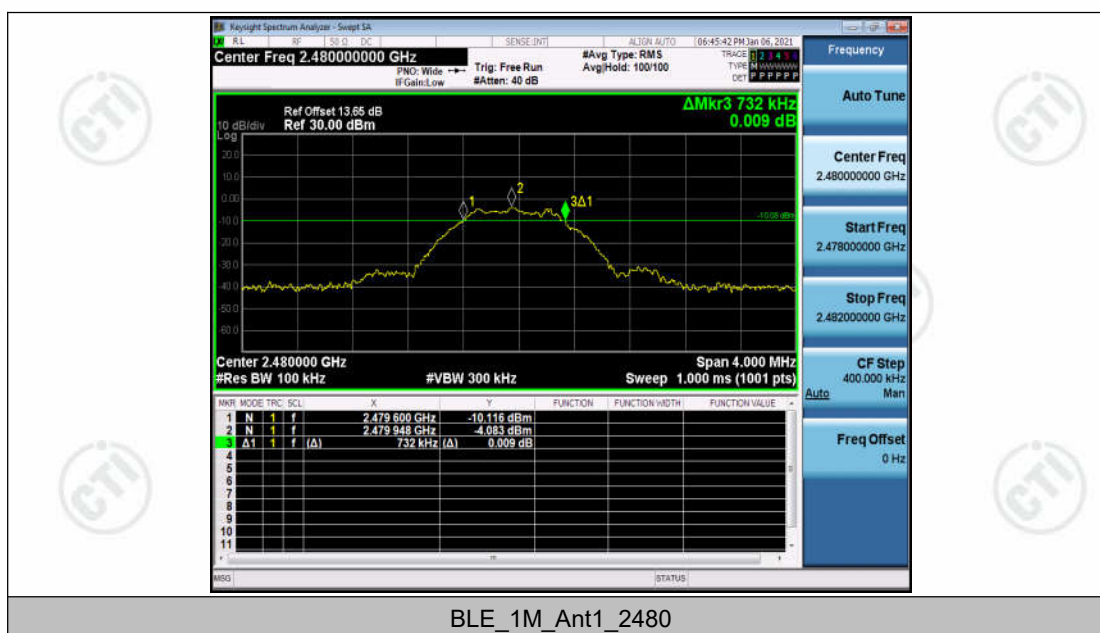
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.612	2402.304	0.5	PASS
		2440	0.744	2439.580	2440.324	0.5	PASS
		2480	0.732	2479.600	2480.332	0.5	PASS

Test Graphs



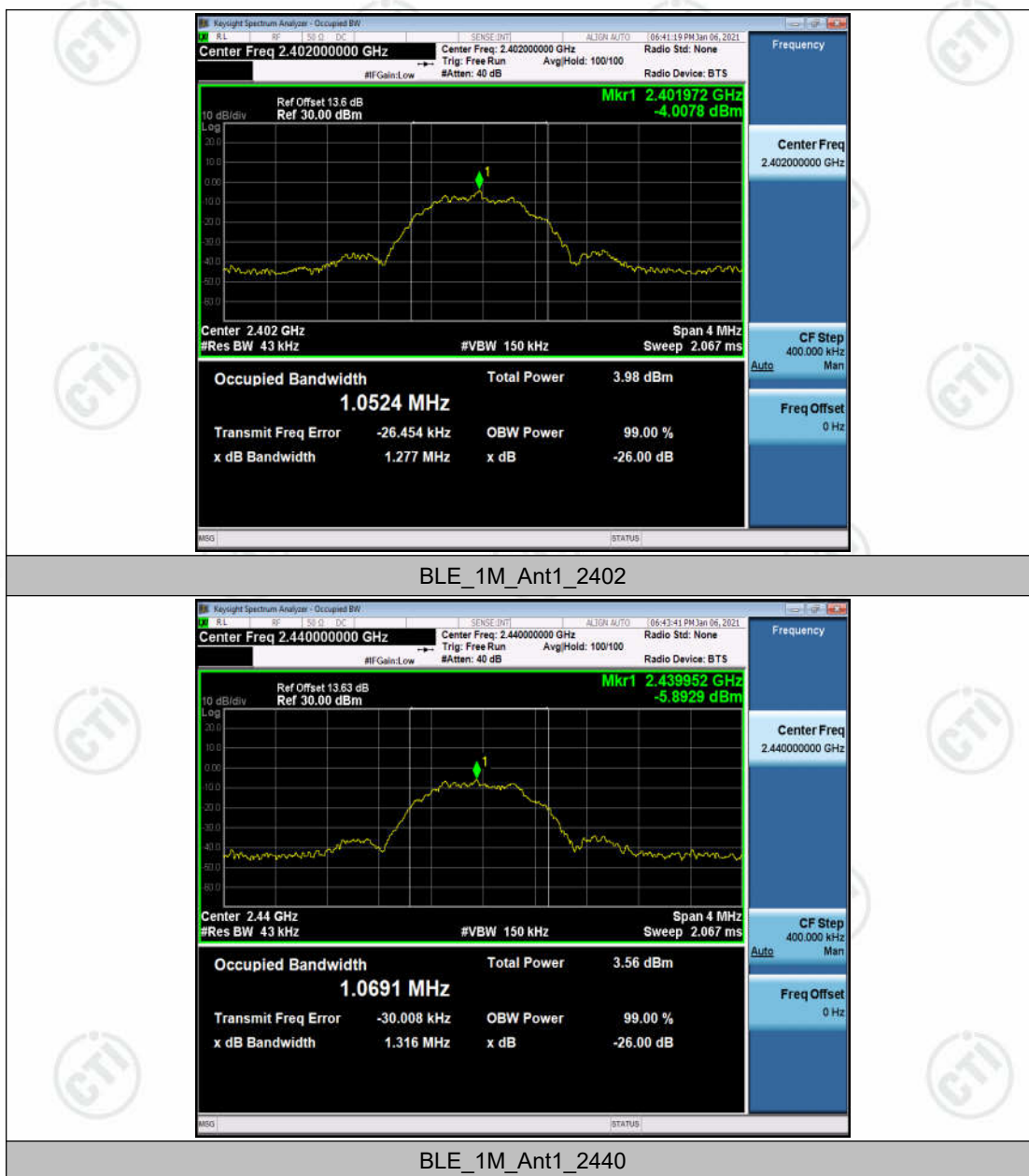


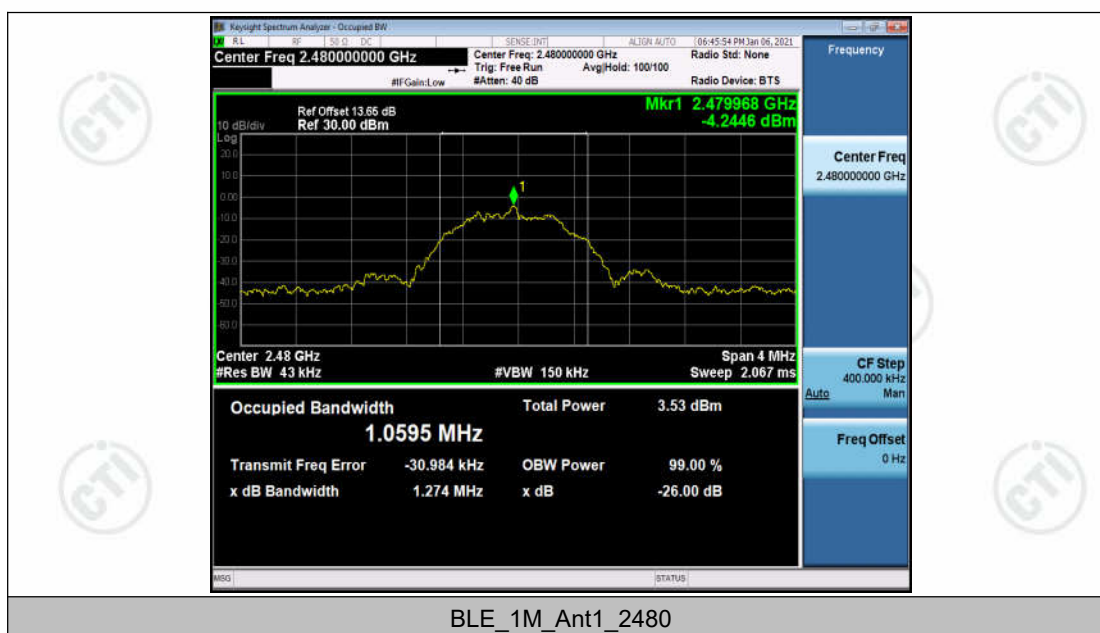
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0524	2401.447	2402.500	---	PASS
		2440	1.0691	2439.435	2440.505	---	PASS
		2480	1.0595	2479.439	2480.499	---	PASS

Test Graphs



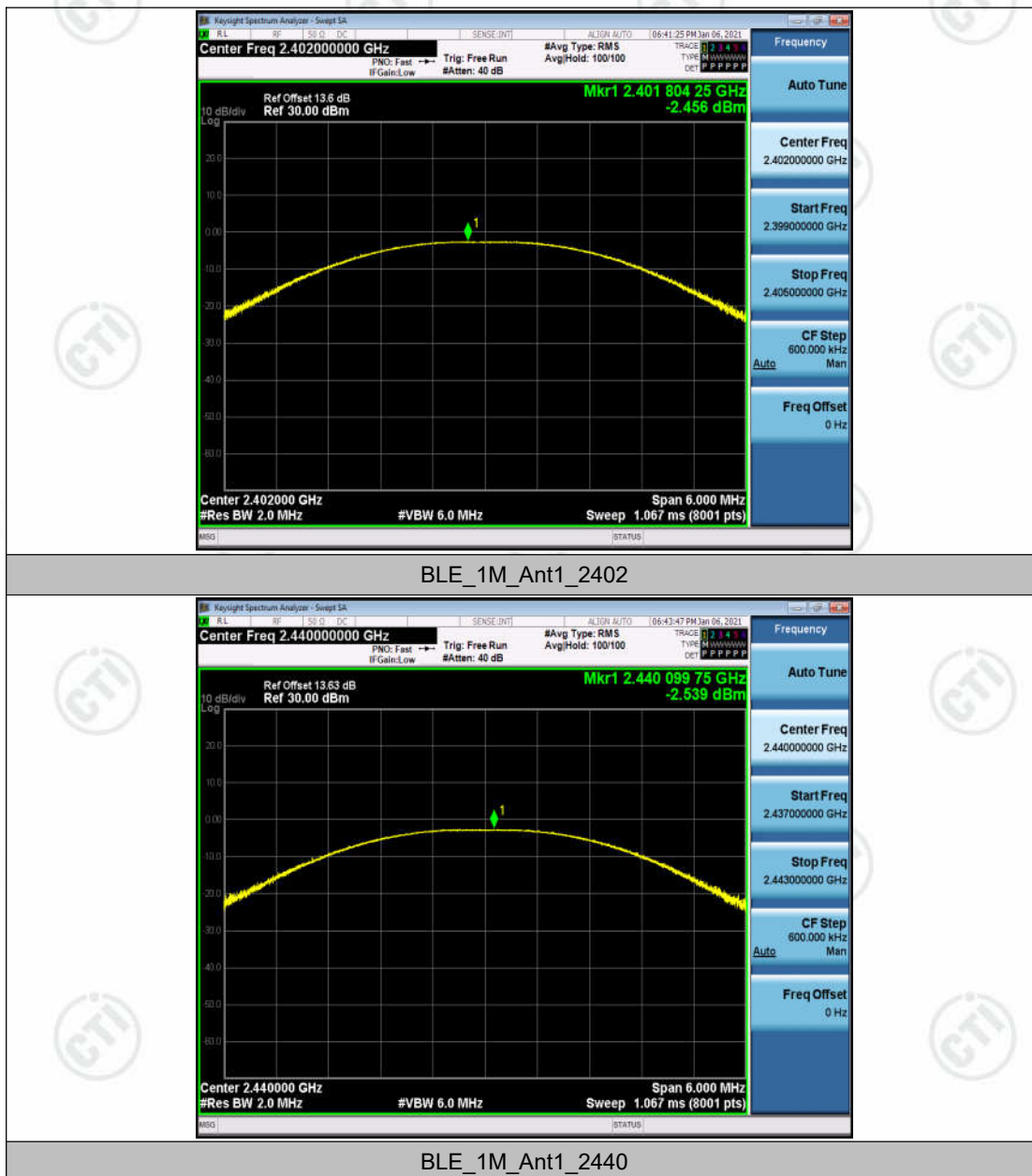


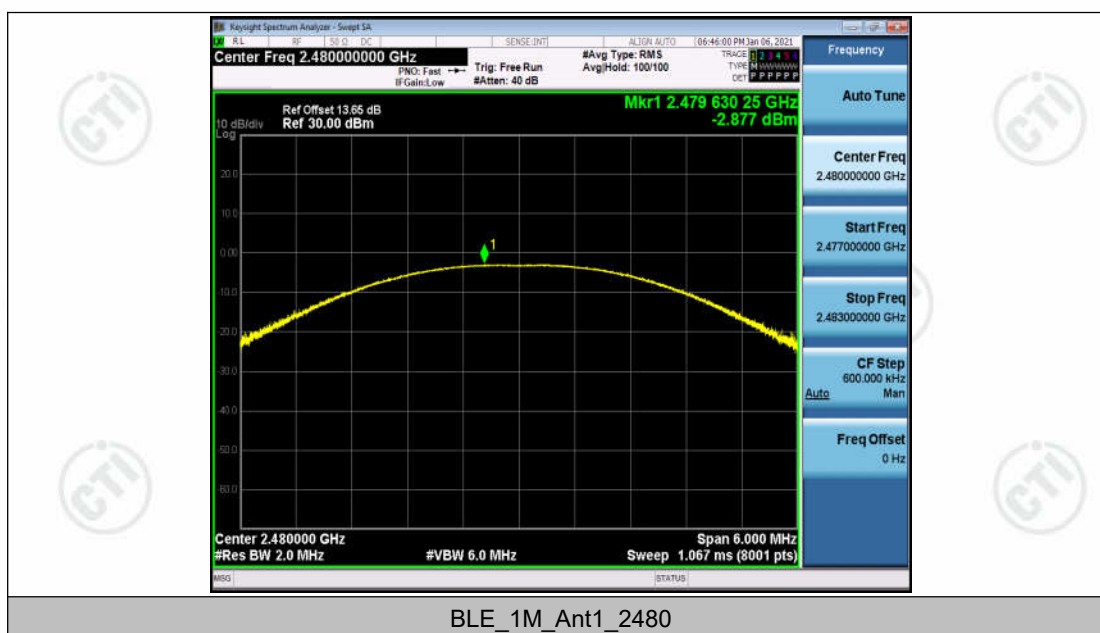
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.46	<=30	PASS
		2440	-2.54	<=30	PASS
		2480	-2.88	<=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	-12.83	<=8	PASS
		2440	-12.92	<=8	PASS
		2480	-13.17	<=8	PASS

Test Graphs



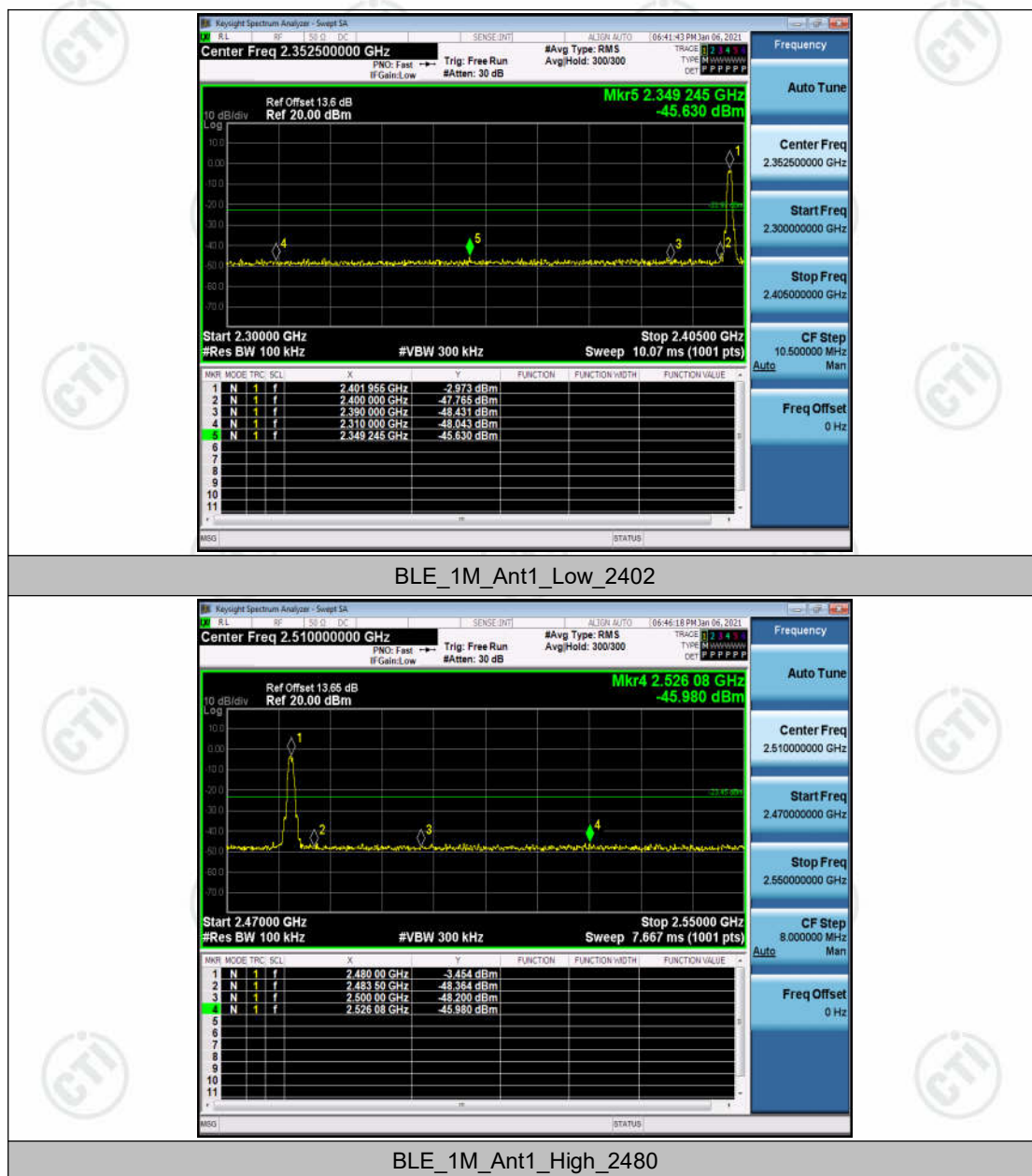


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.97	-45.63	<=-22.97	PASS
		High	2480	-3.45	-45.98	<=-23.45	PASS

Test Graphs

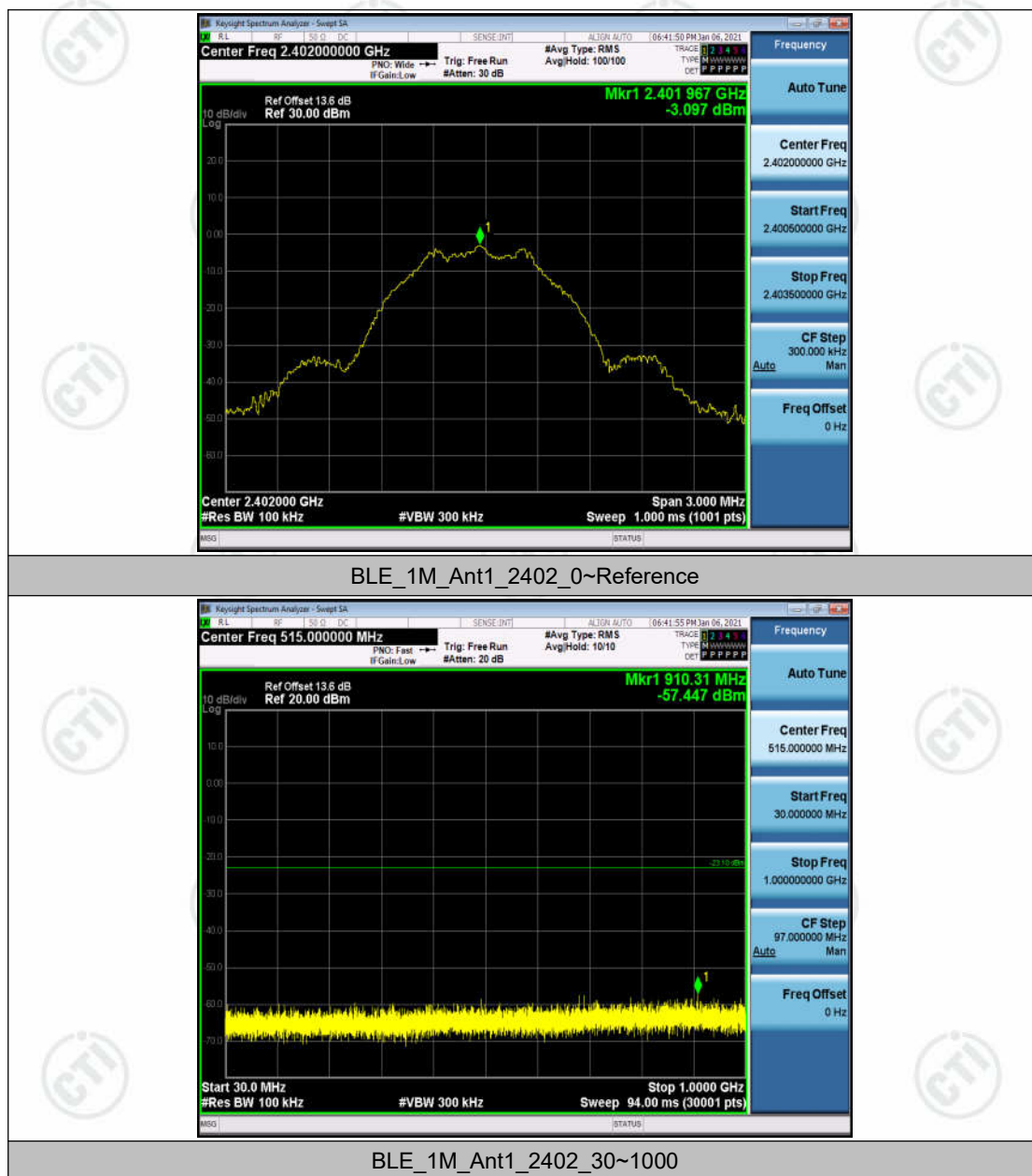


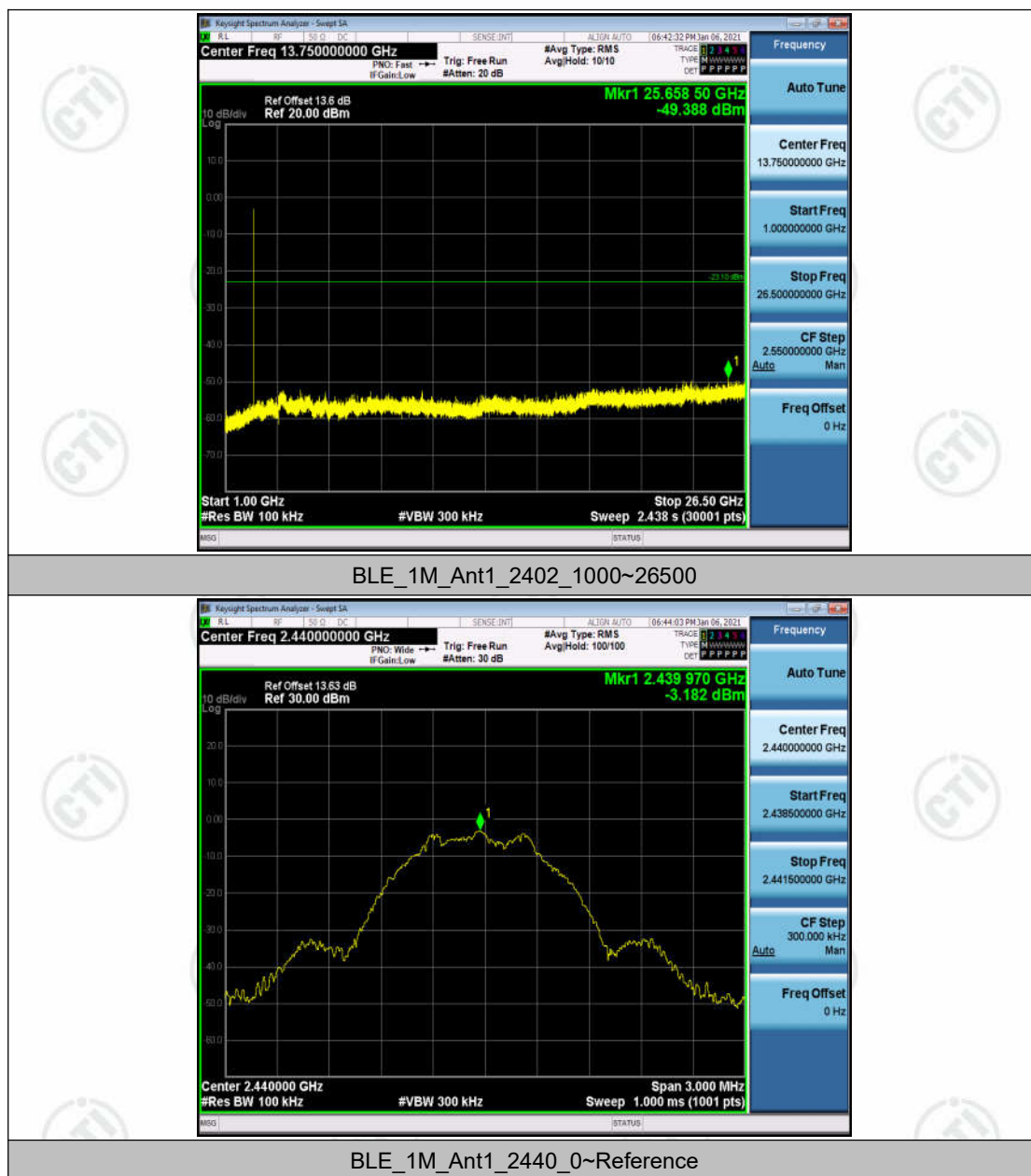
Appendix F: Conducted Spurious Emission

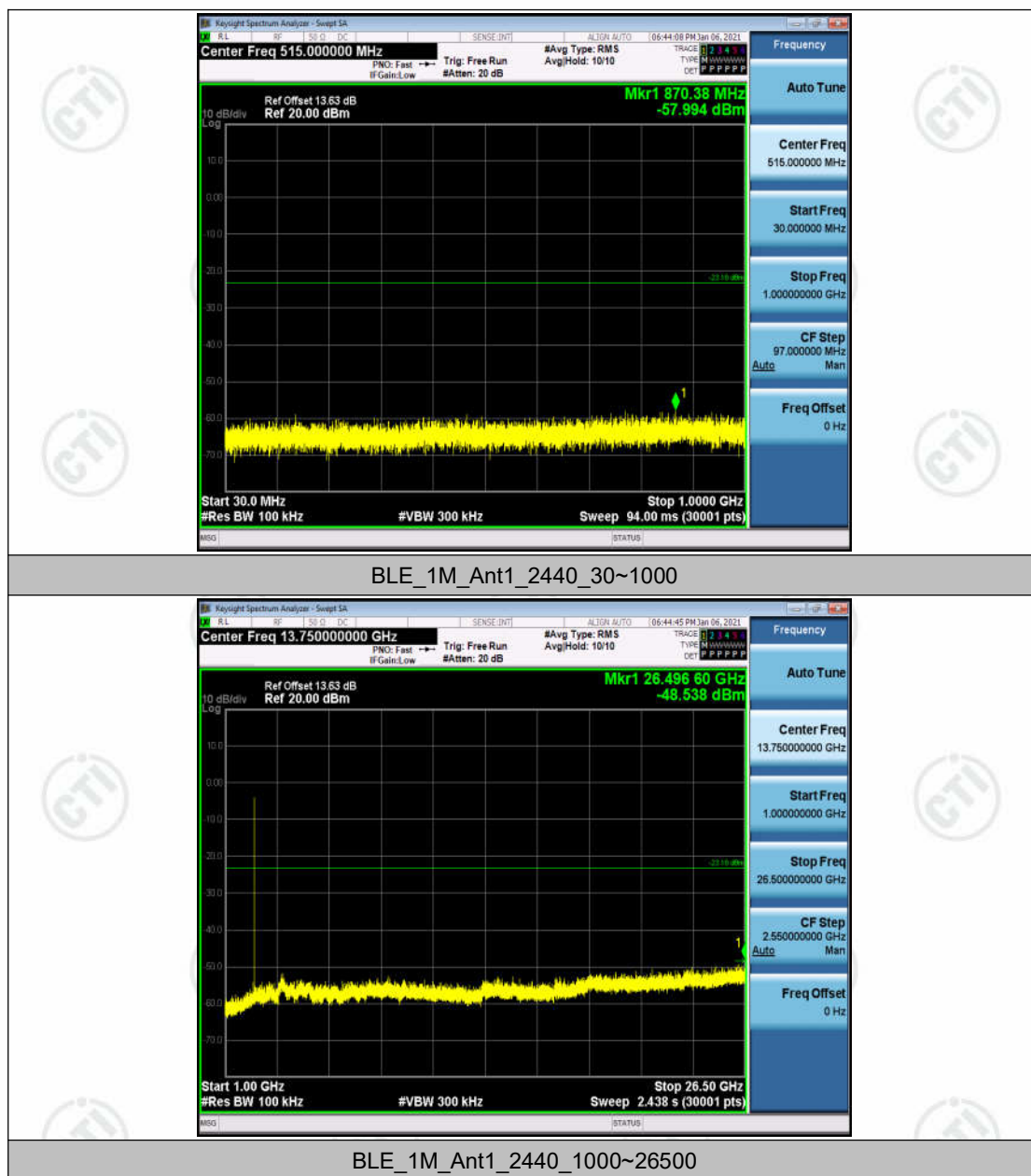
Test Result

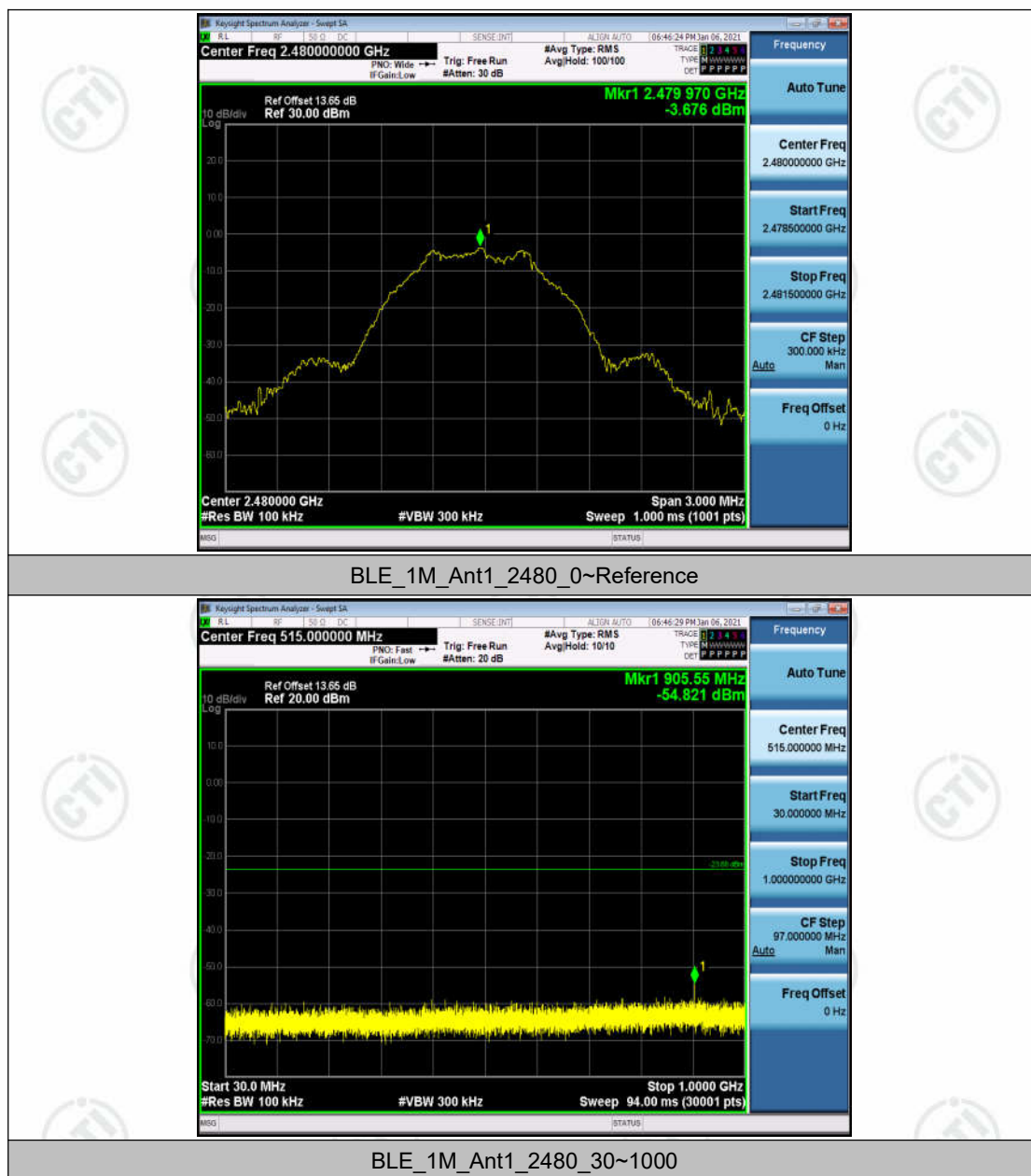
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.10	-3.10	---	PASS
			30~1000	30~1000	-57.447	<=-23.097	PASS
			1000~26500	1000~26500	-49.388	<=-23.097	PASS
		2440	Reference	-3.18	-3.18	---	PASS
			30~1000	30~1000	-57.994	<=-23.182	PASS
			1000~26500	1000~26500	-48.538	<=-23.182	PASS
		2480	Reference	-3.68	-3.68	---	PASS
			30~1000	30~1000	-54.821	<=-23.676	PASS
			1000~26500	1000~26500	-49.385	<=-23.676	PASS

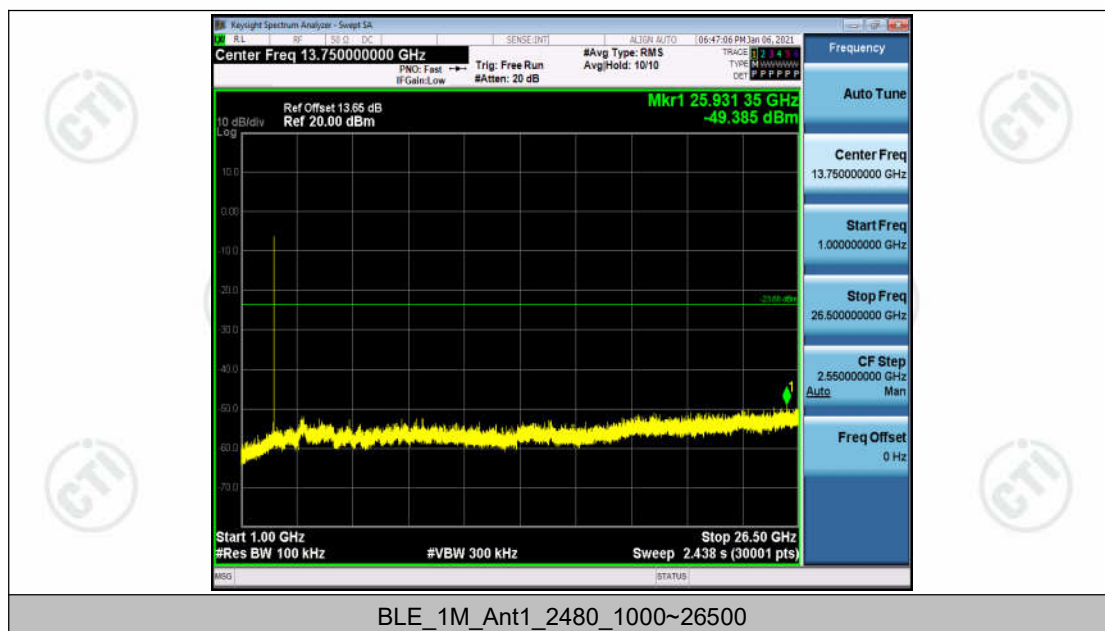
Test Graphs











Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.63	62.94	---	PASS
		2440	0.39	0.63	63.00	---	PASS
		2480	0.39	0.63	62.90	---	PASS

Test Graphs

