

Appendix: Bluetooth LE

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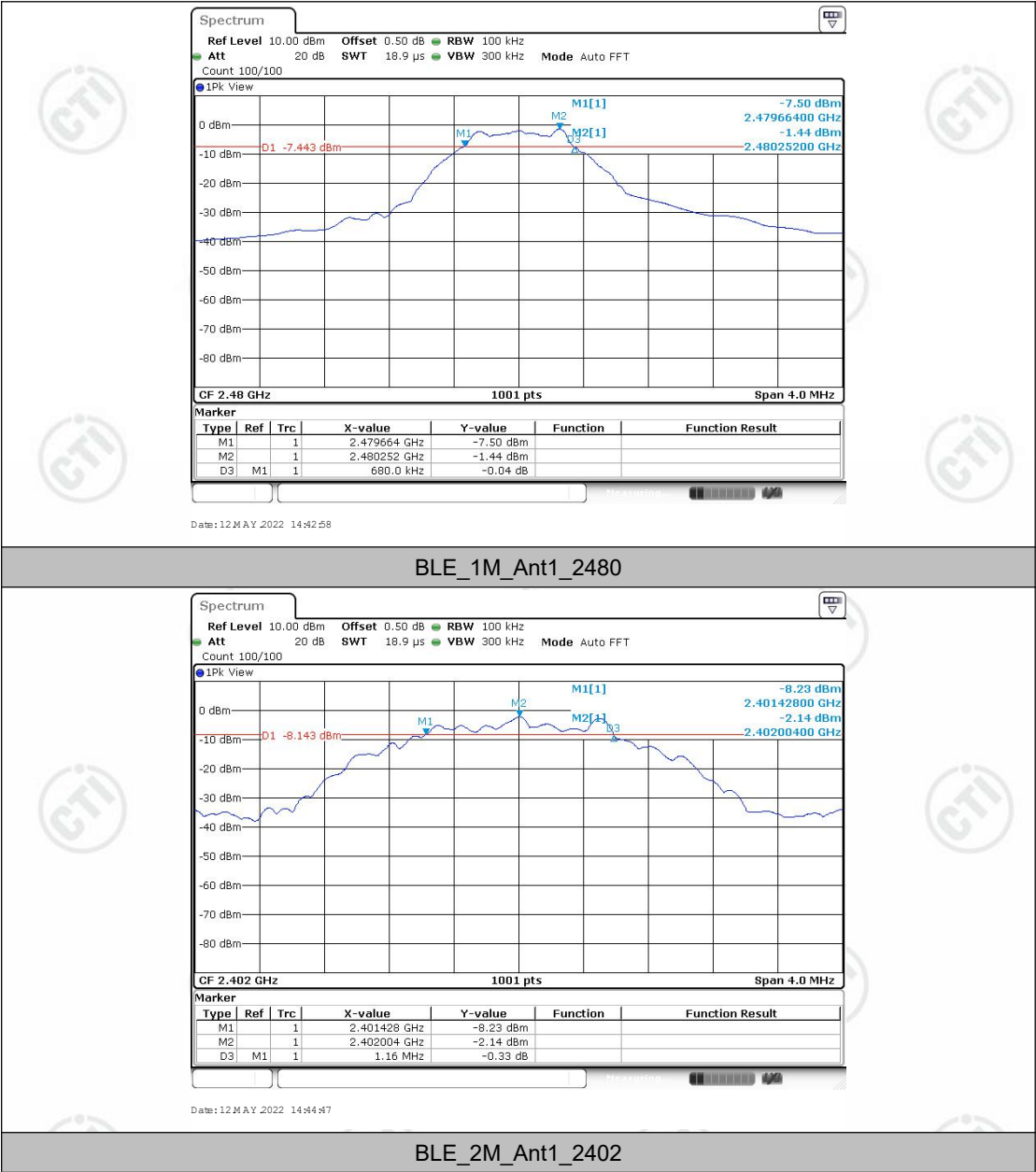
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.668	2402.336	0.5	PASS
		2440	0.672	2439.664	2440.336	0.5	PASS
		2480	0.680	2479.664	2480.344	0.5	PASS
BLE_2M	Ant1	2402	1.160	2401.428	2402.588	0.5	PASS
		2440	1.160	2439.428	2440.588	0.5	PASS
		2480	1.148	2479.436	2480.584	0.5	PASS

Test Graphs





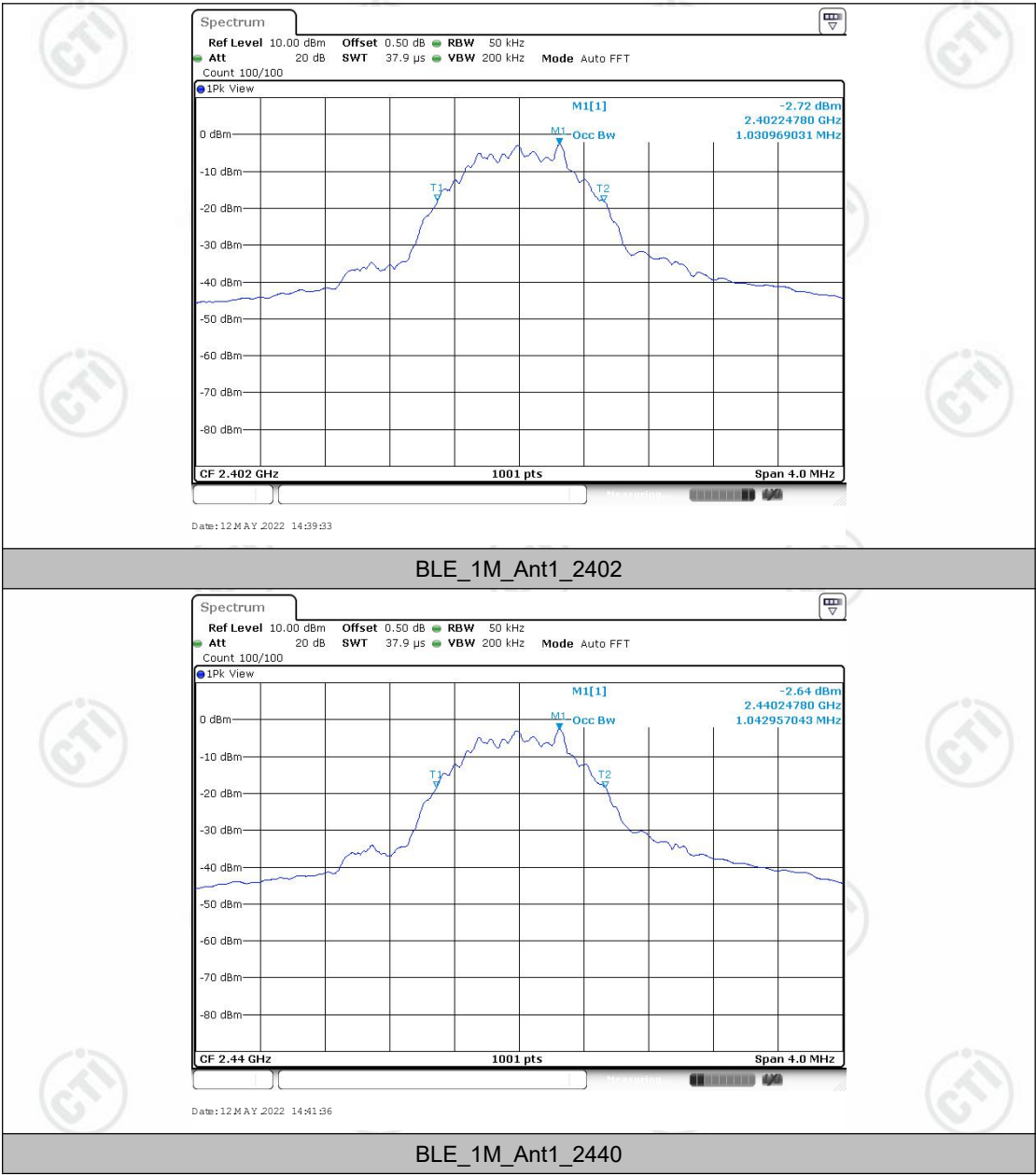


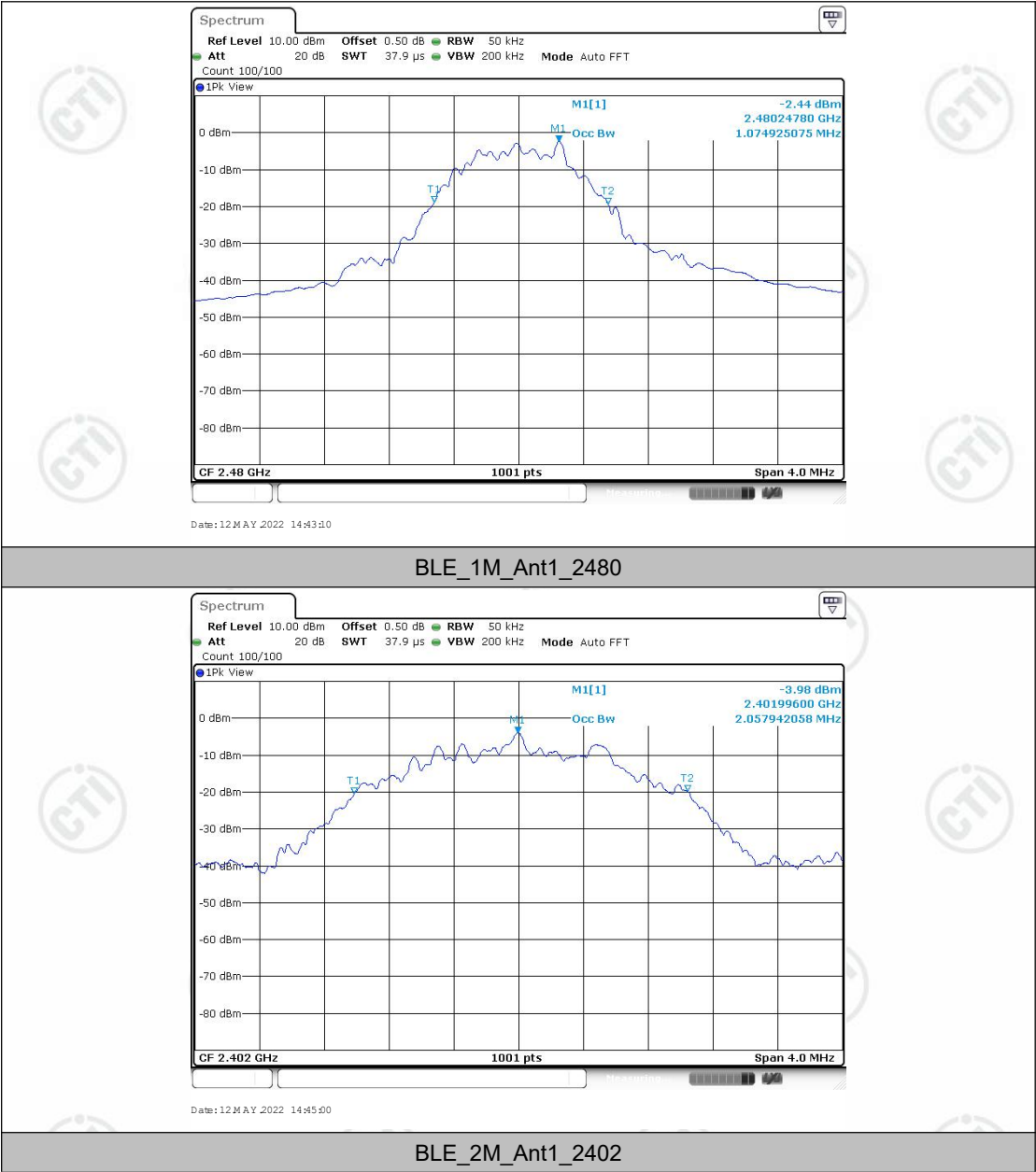
Appendix B: Occupied Channel Bandwidth

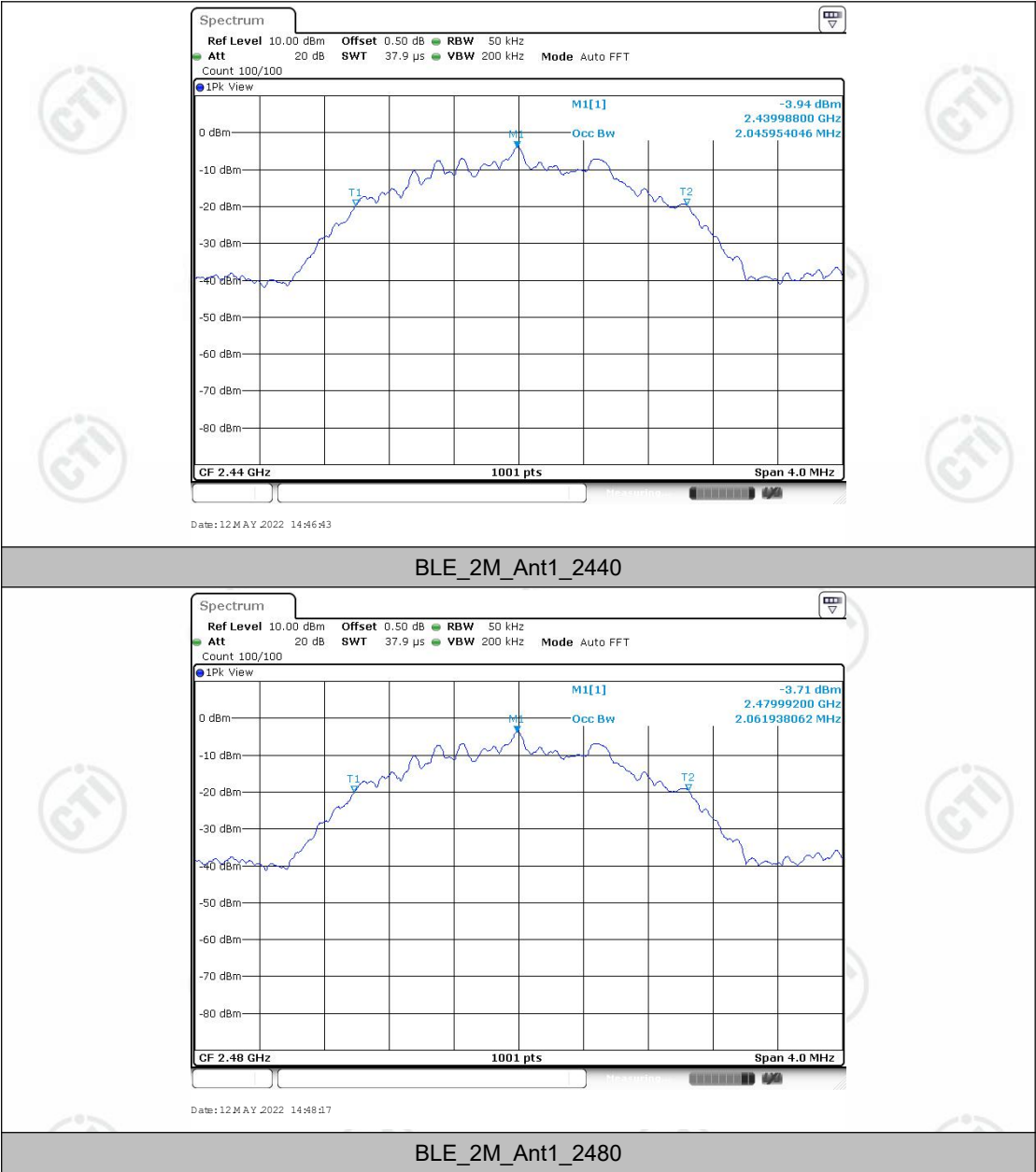
Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.031	2401.493	2402.523	---	PASS
		2440	1.043	2439.489	2440.531	---	PASS
		2480	1.075	2479.477	2480.551	---	PASS
BLE_2M	Ant1	2402	2.058	2400.985	2403.043	---	PASS
		2440	2.046	2438.993	2441.039	---	PASS
		2480	2.062	2478.985	2481.047	---	PASS

Test Graphs





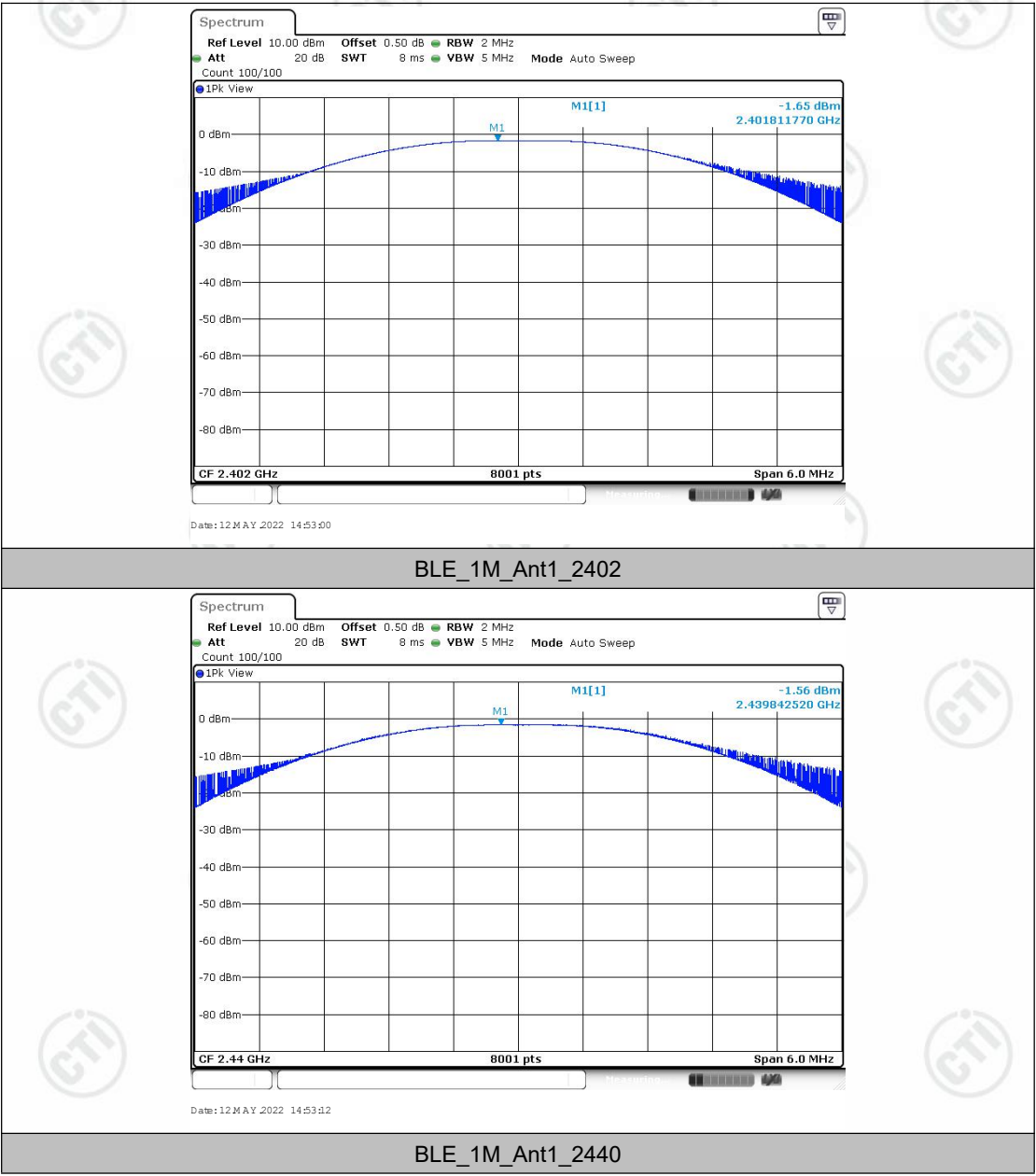


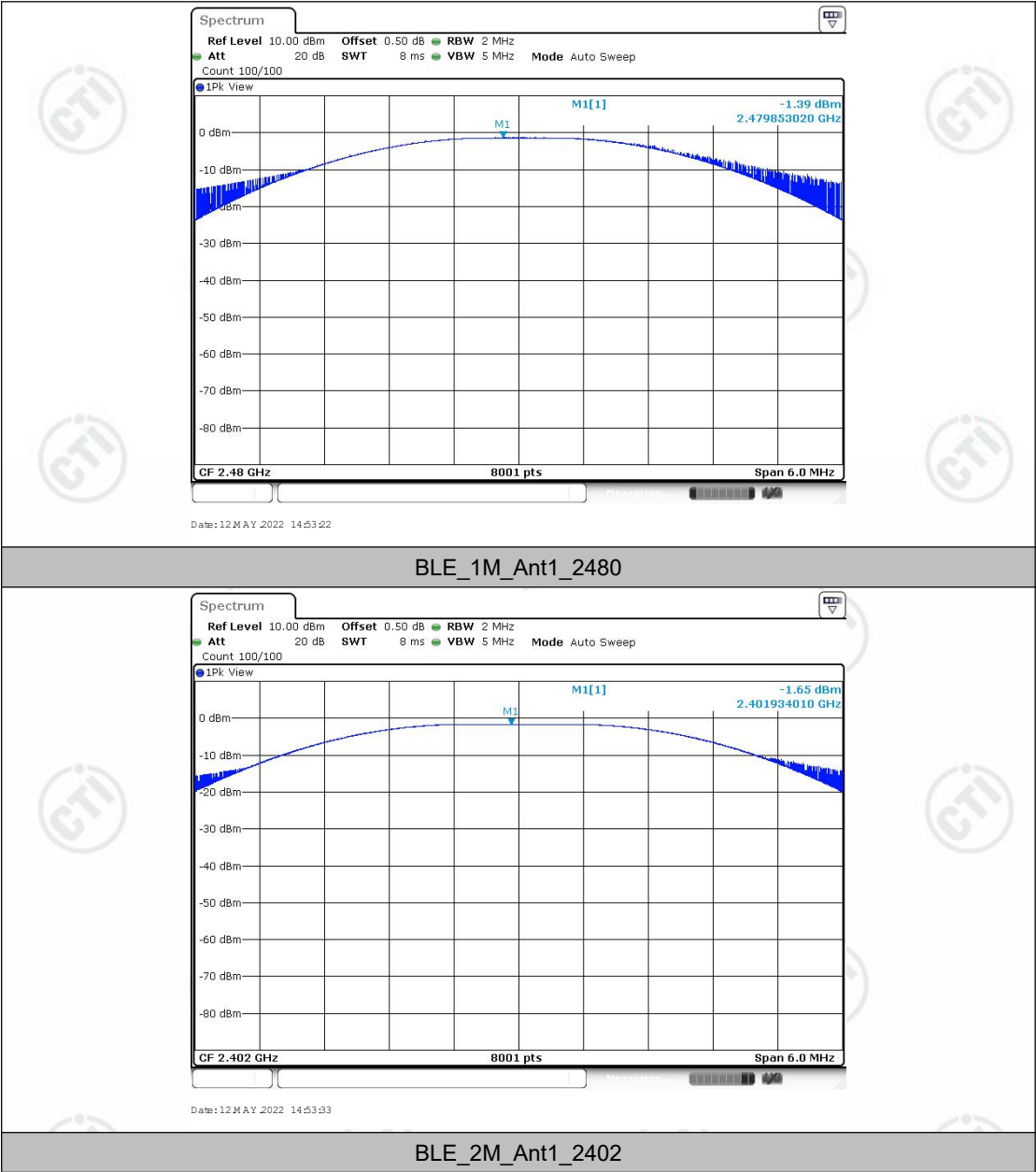
Appendix C: Maximum conducted output power

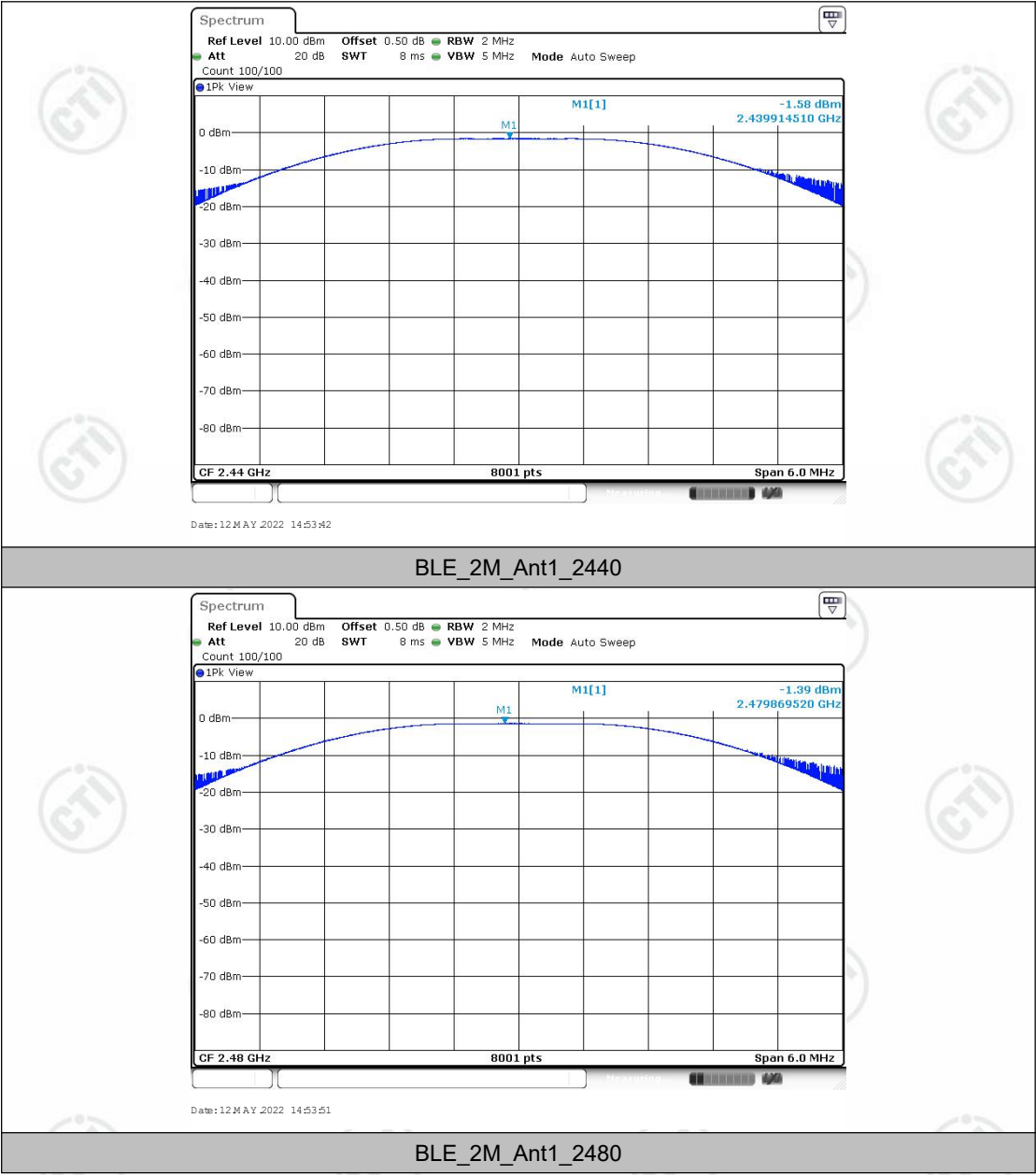
Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.65	<=30	PASS
		2440	-1.56	<=30	PASS
		2480	-1.39	<=30	PASS
BLE_2M	Ant1	2402	-1.65	<=30	PASS
		2440	-1.58	<=30	PASS
		2480	-1.39	<=30	PASS

Test Graphs





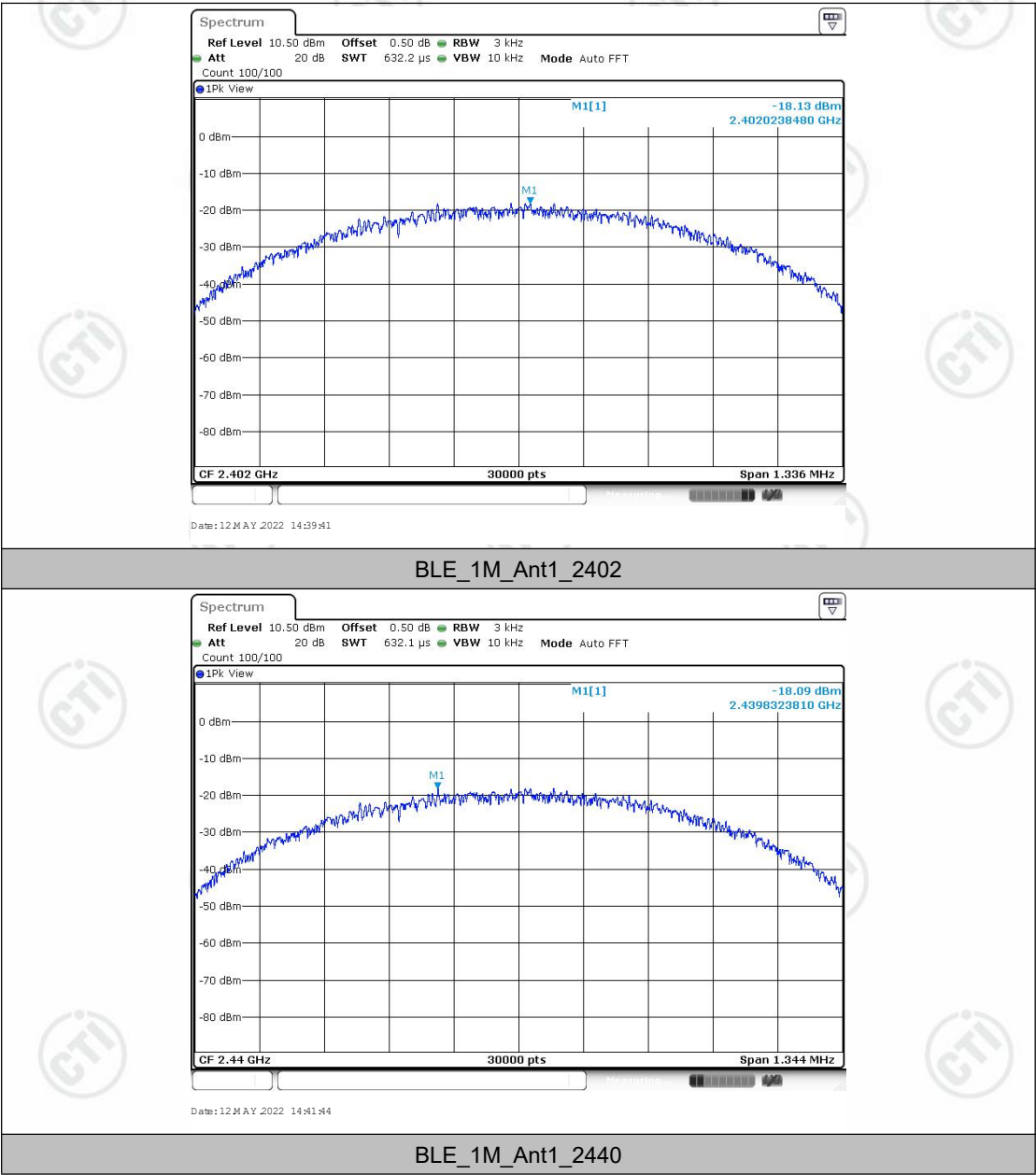


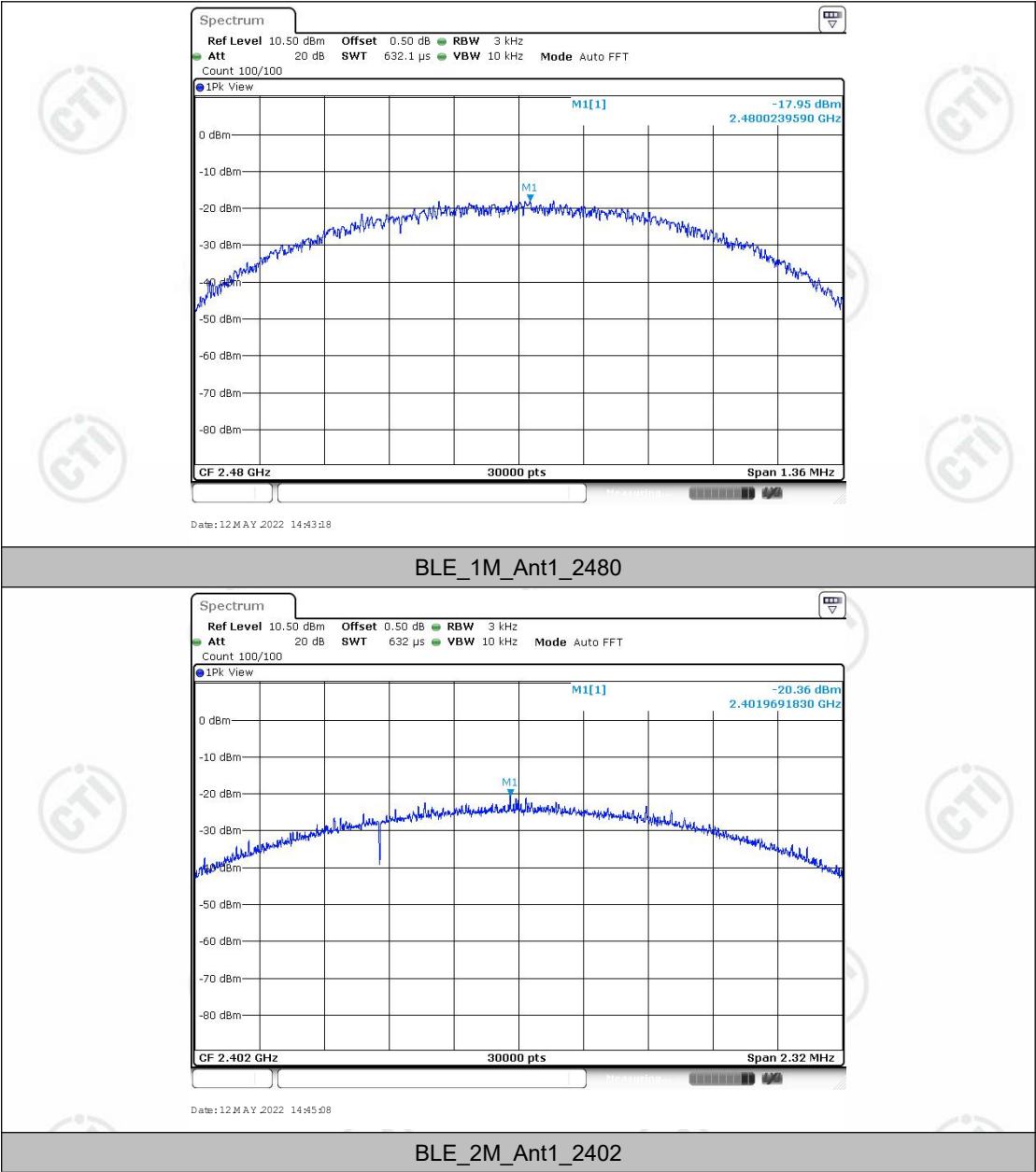
Appendix D: Maximum power spectral density

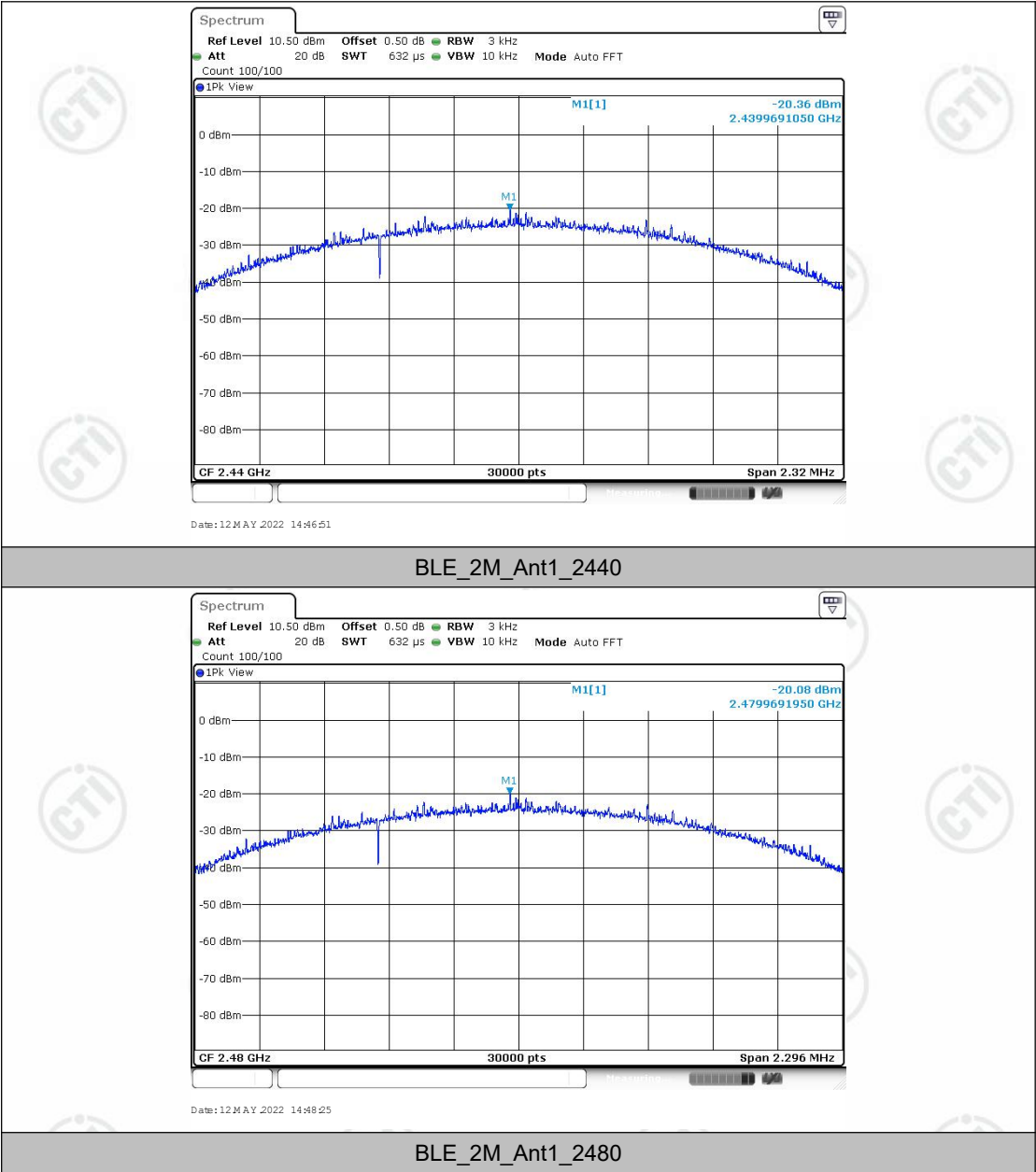
Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.13	<=8	PASS
		2440	-18.09	<=8	PASS
		2480	-17.95	<=8	PASS
BLE_2M	Ant1	2402	-20.36	<=8	PASS
		2440	-20.36	<=8	PASS
		2480	-20.08	<=8	PASS

Test Graphs





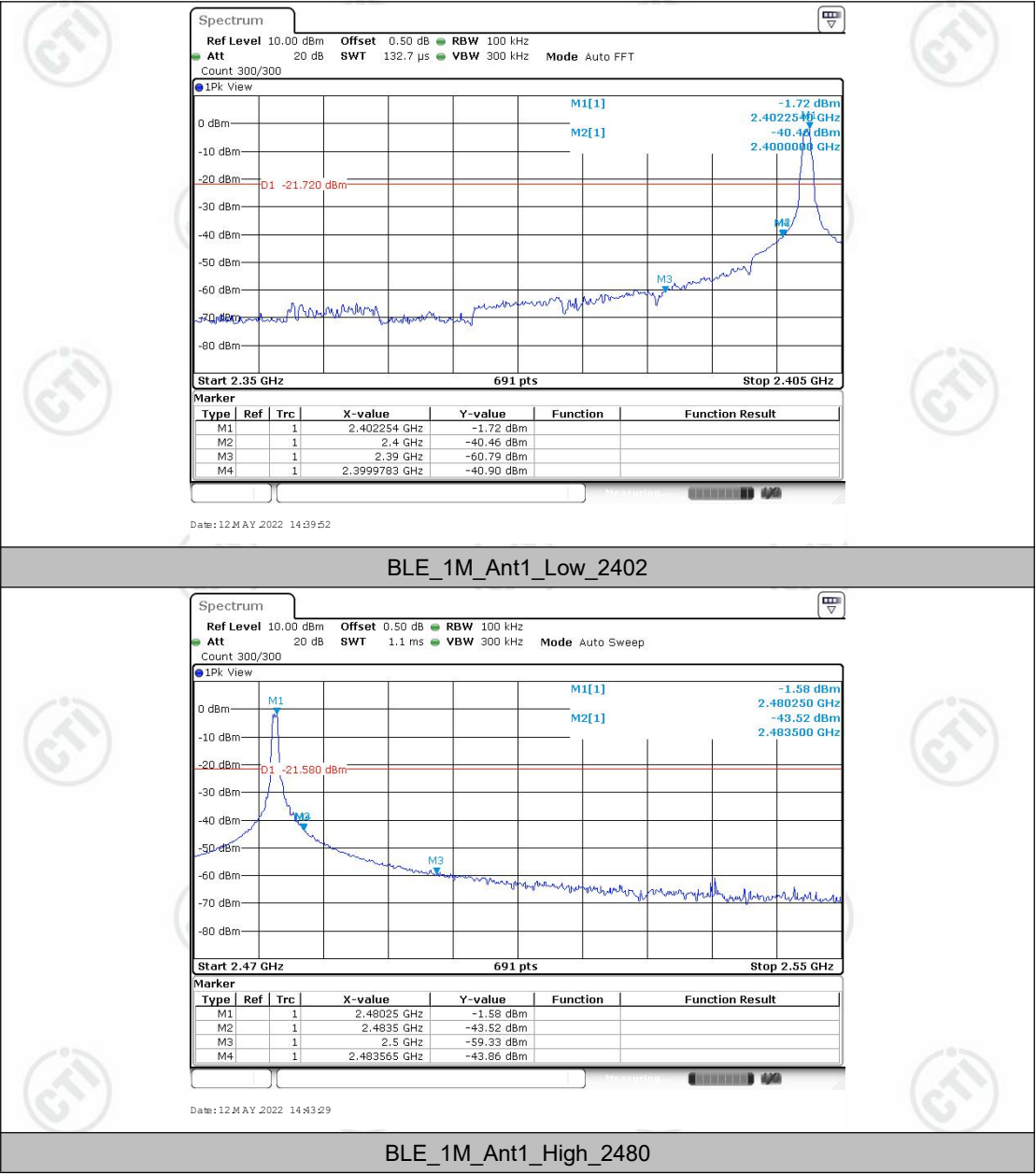


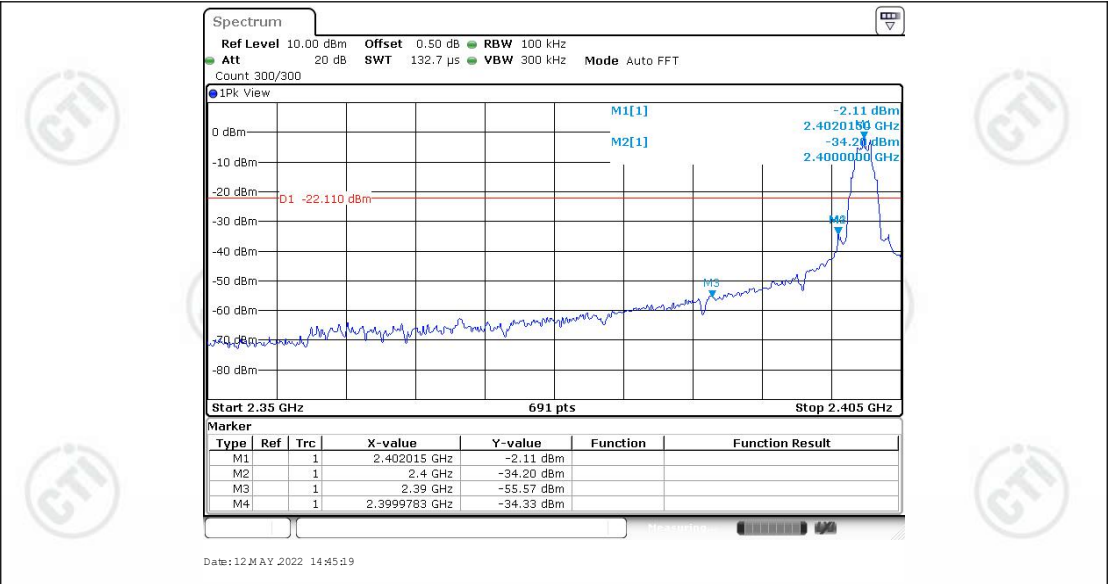
Appendix E: Band edge measurements

Test Result

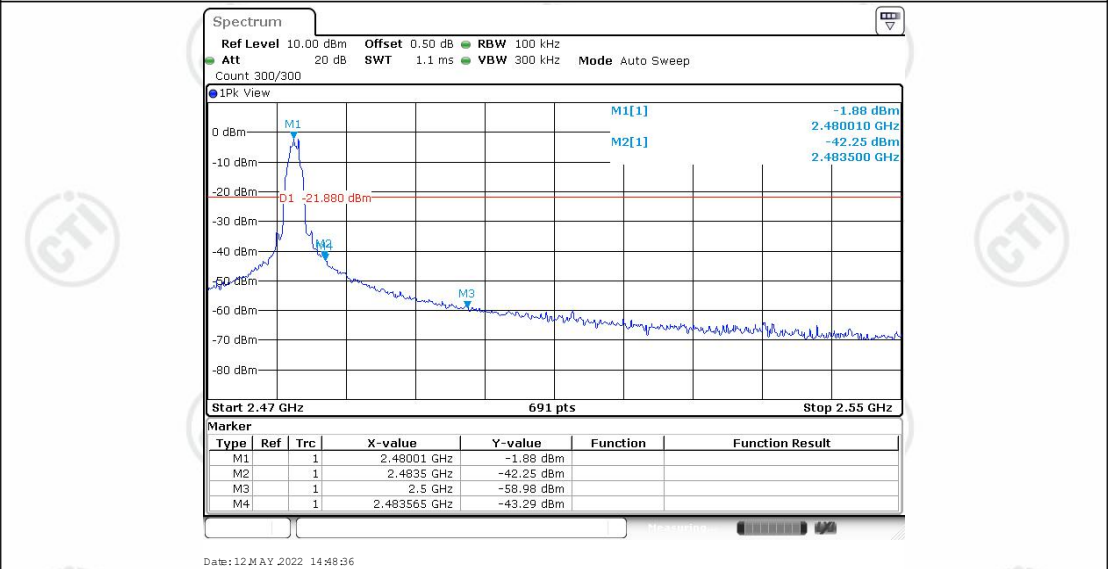
Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.72	-40.9	<=-21.72	PASS
		High	2480	-1.58	-43.86	<=-21.58	PASS
BLE_2M	Ant1	Low	2402	-2.11	-34.33	<=-22.11	PASS
		High	2480	-1.88	-43.29	<=-21.88	PASS

Test Graphs





BLE_2M_Ant1_Low_2402



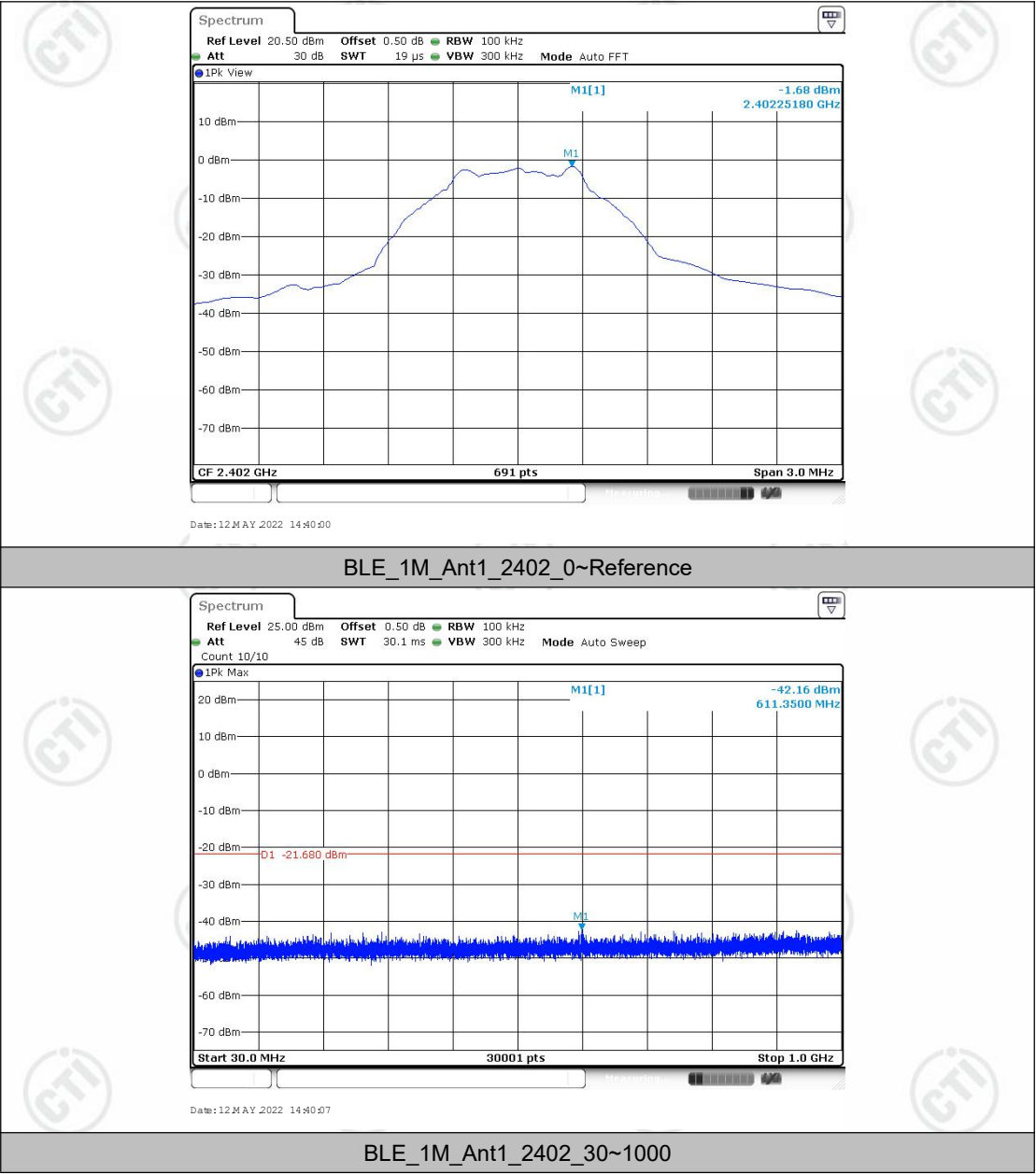
BLE_2M_Ant1_High_2480

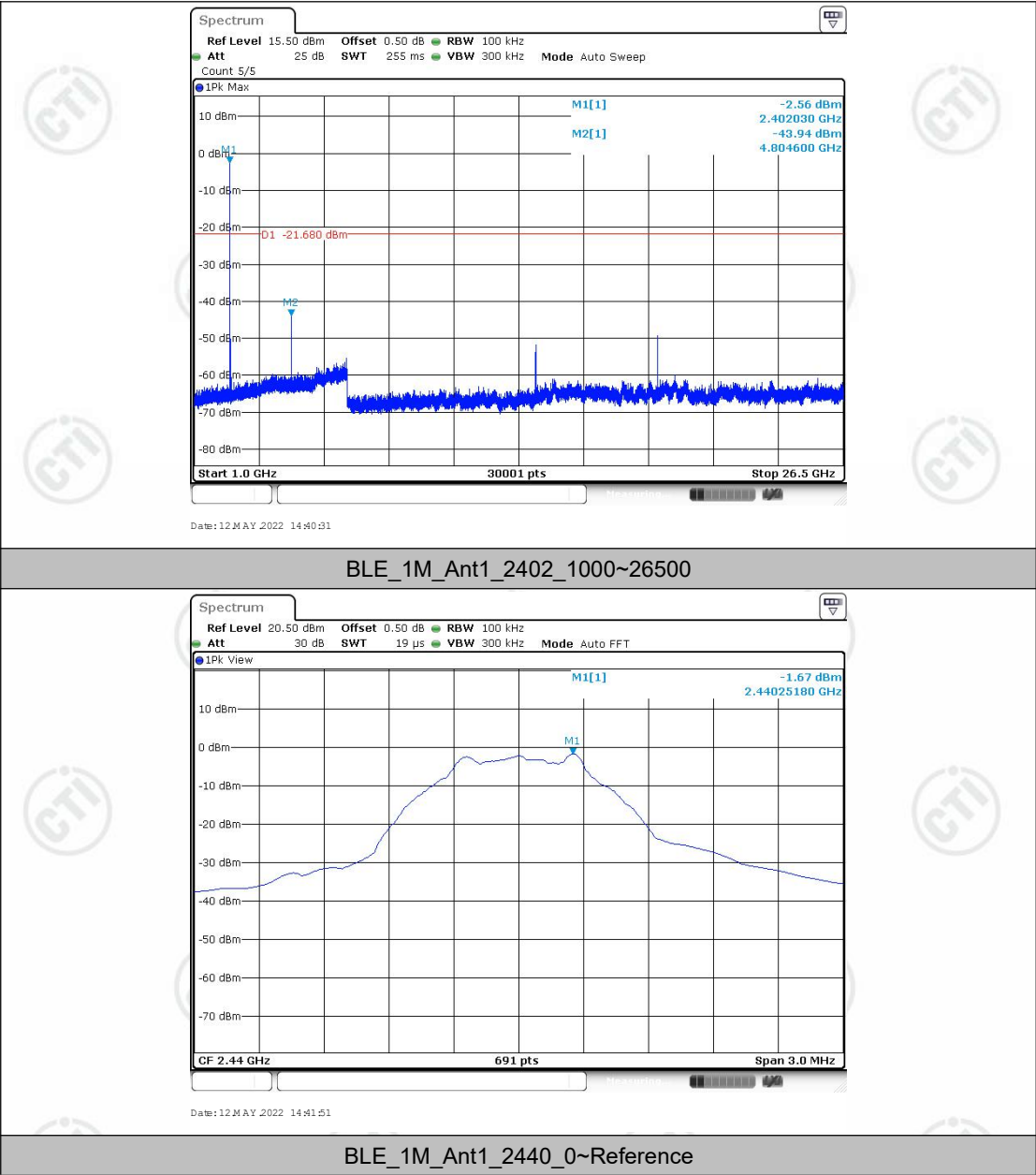
Appendix F: Conducted Spurious Emission

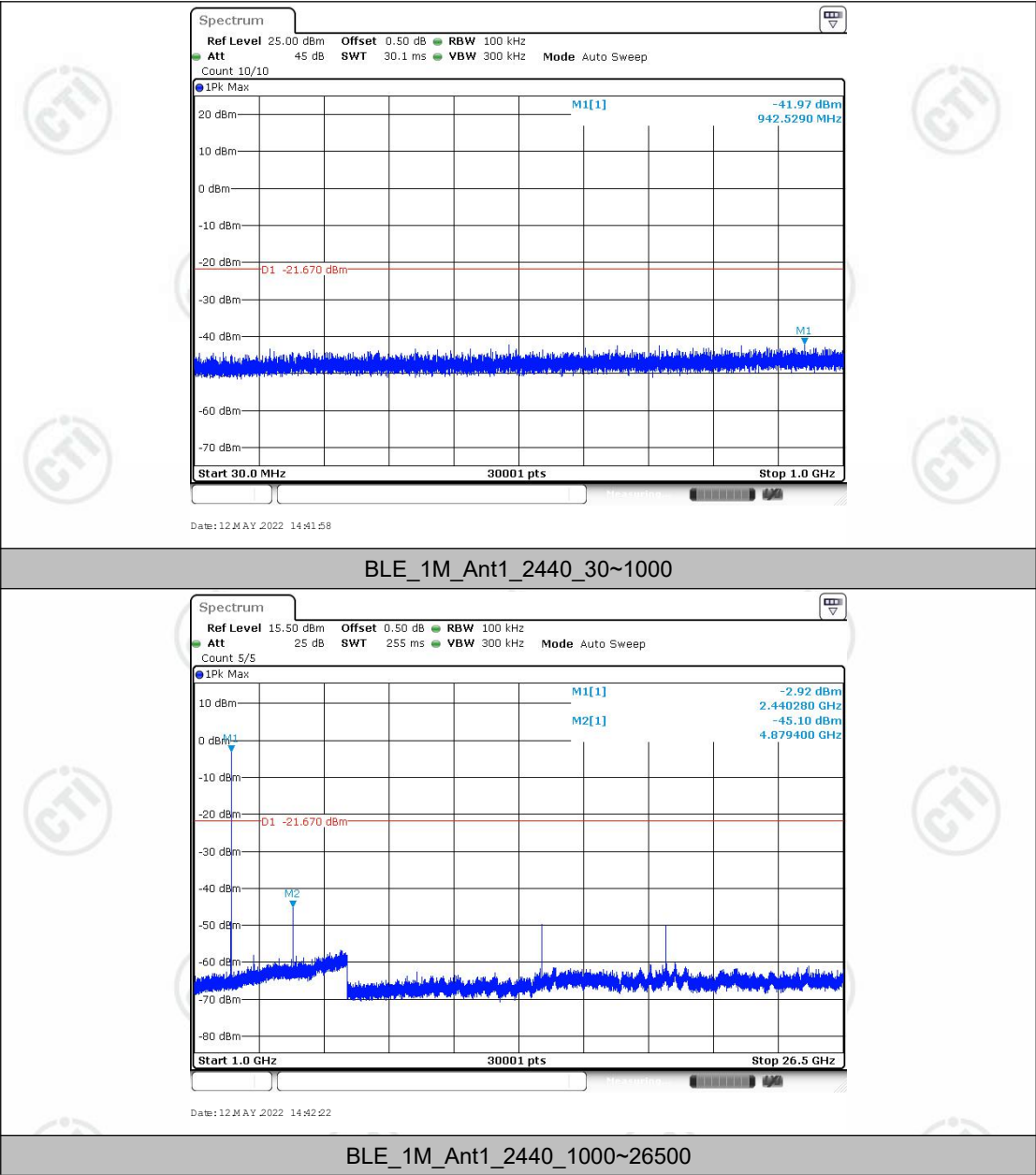
Test Result

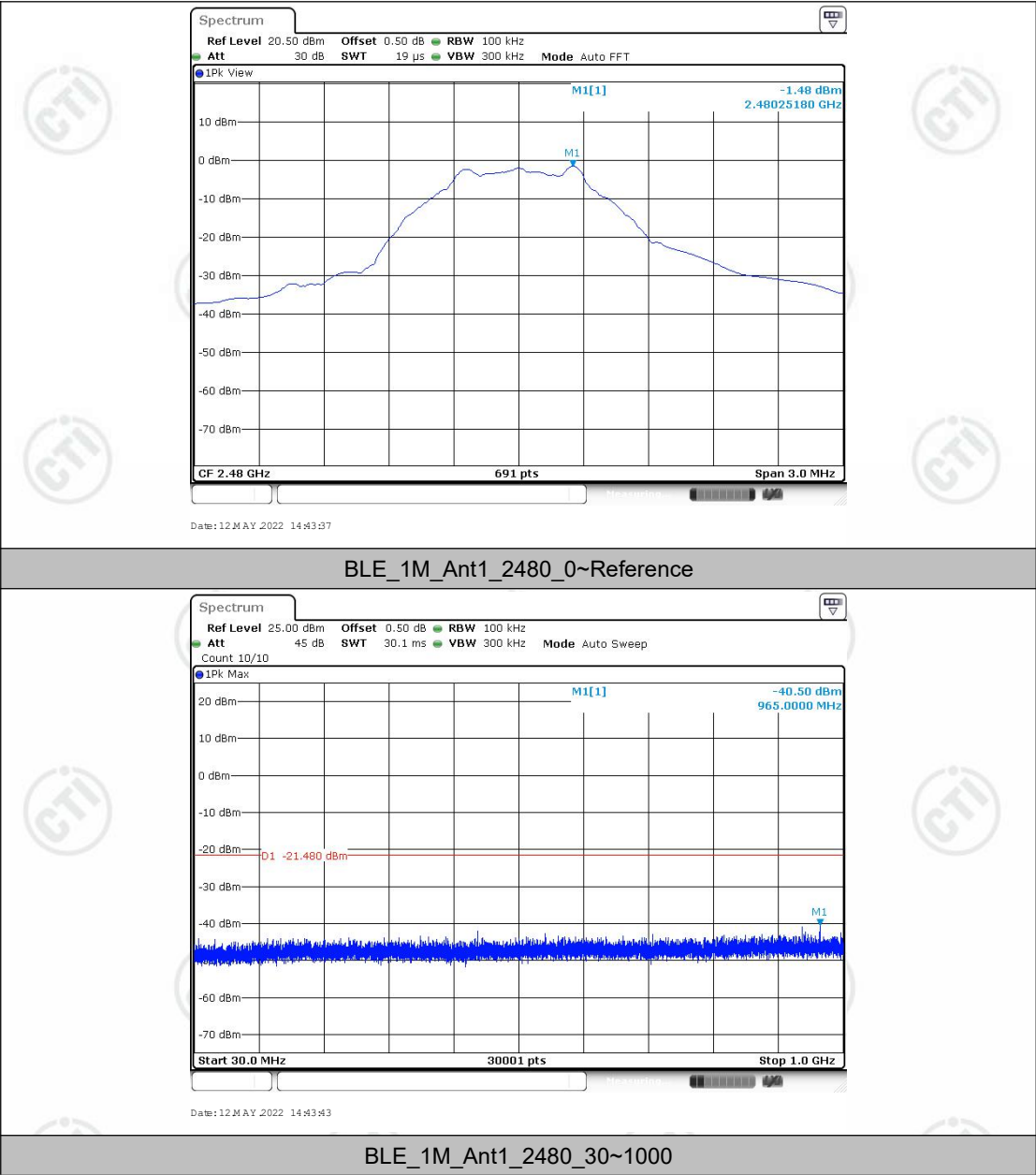
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.68	-1.68	---	PASS
			30~1000	---	-42.16	<=-21.68	PASS
			1000~26500	---	-43.94	<=-21.68	PASS
		2440	Reference	-1.67	-1.67	---	PASS
			30~1000	---	-41.97	<=-21.67	PASS
			1000~26500	---	-45.1	<=-21.67	PASS
		2480	Reference	-1.48	-1.48	---	PASS
			30~1000	---	-40.5	<=-21.48	PASS
			1000~26500	---	-46.62	<=-21.48	PASS
BLE_2M	Ant1	2402	Reference	-2.12	-2.12	---	PASS
			30~1000	---	-42.42	<=-22.12	PASS
			1000~26500	---	-45.34	<=-22.12	PASS
		2440	Reference	-2.13	-2.13	---	PASS
			30~1000	---	-42.43	<=-22.13	PASS
			1000~26500	---	-45.87	<=-22.13	PASS
		2480	Reference	-1.98	-1.98	---	PASS
			30~1000	---	-42.18	<=-21.98	PASS
			1000~26500	---	-47.81	<=-21.98	PASS

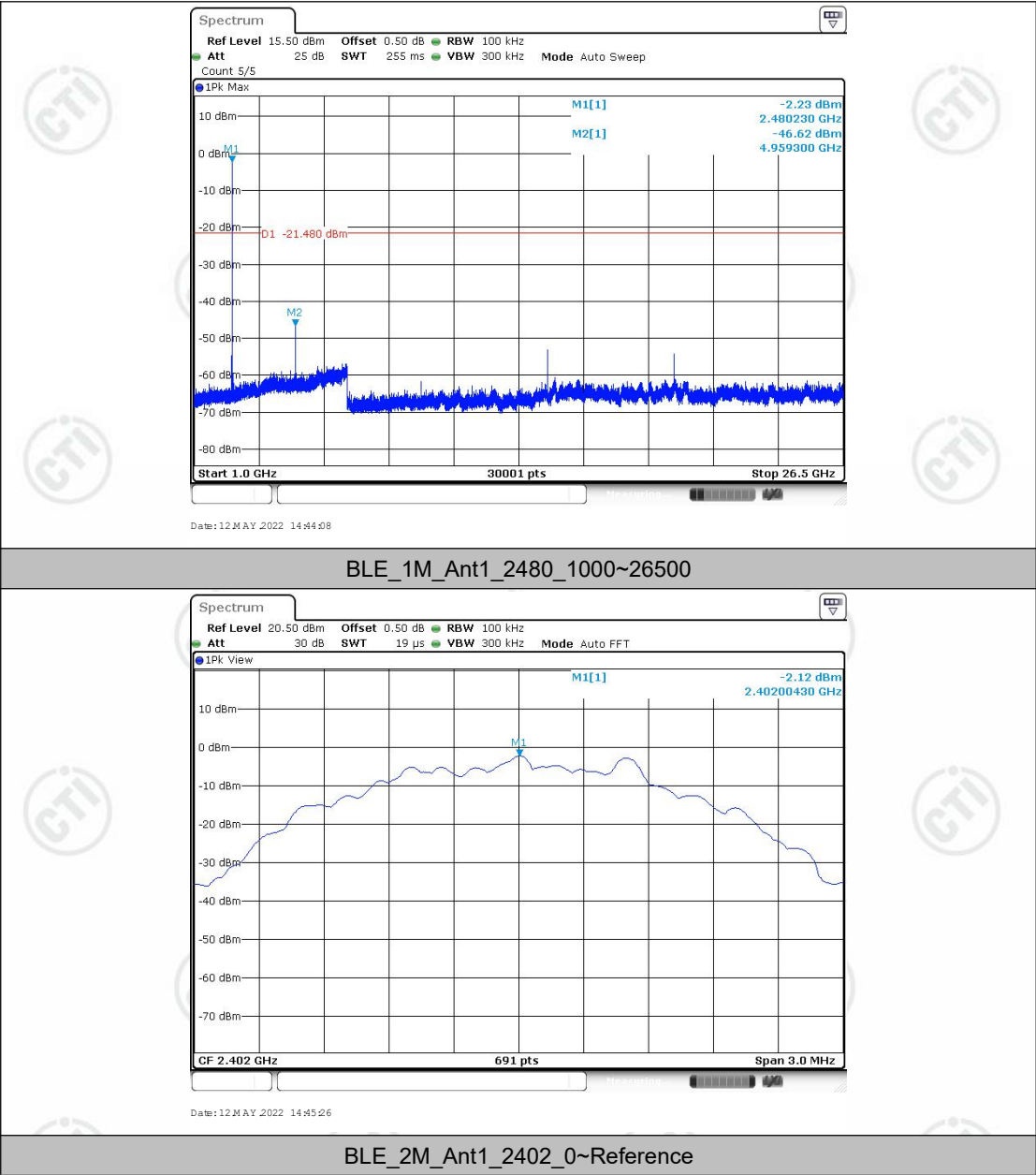
Test Graphs

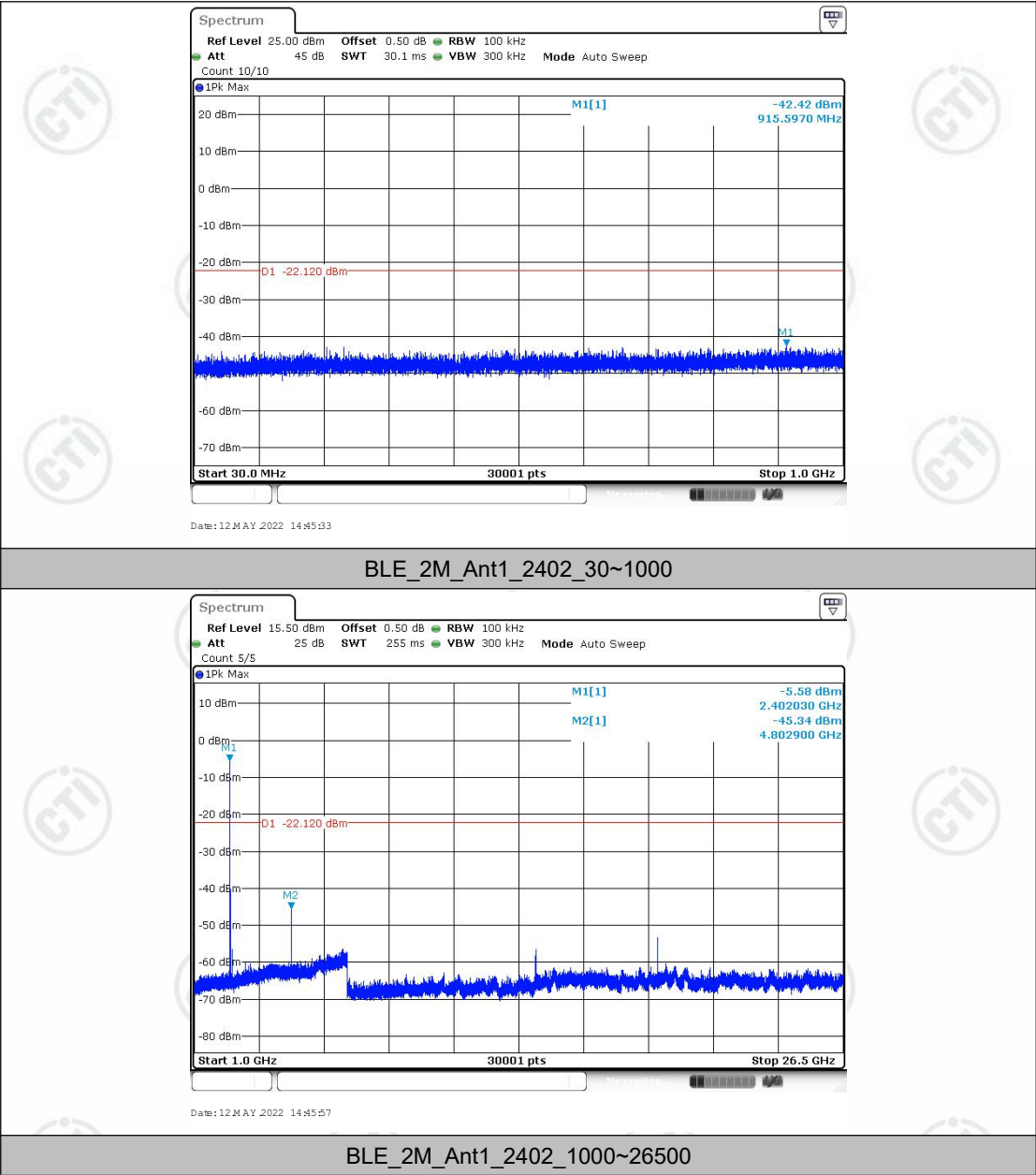


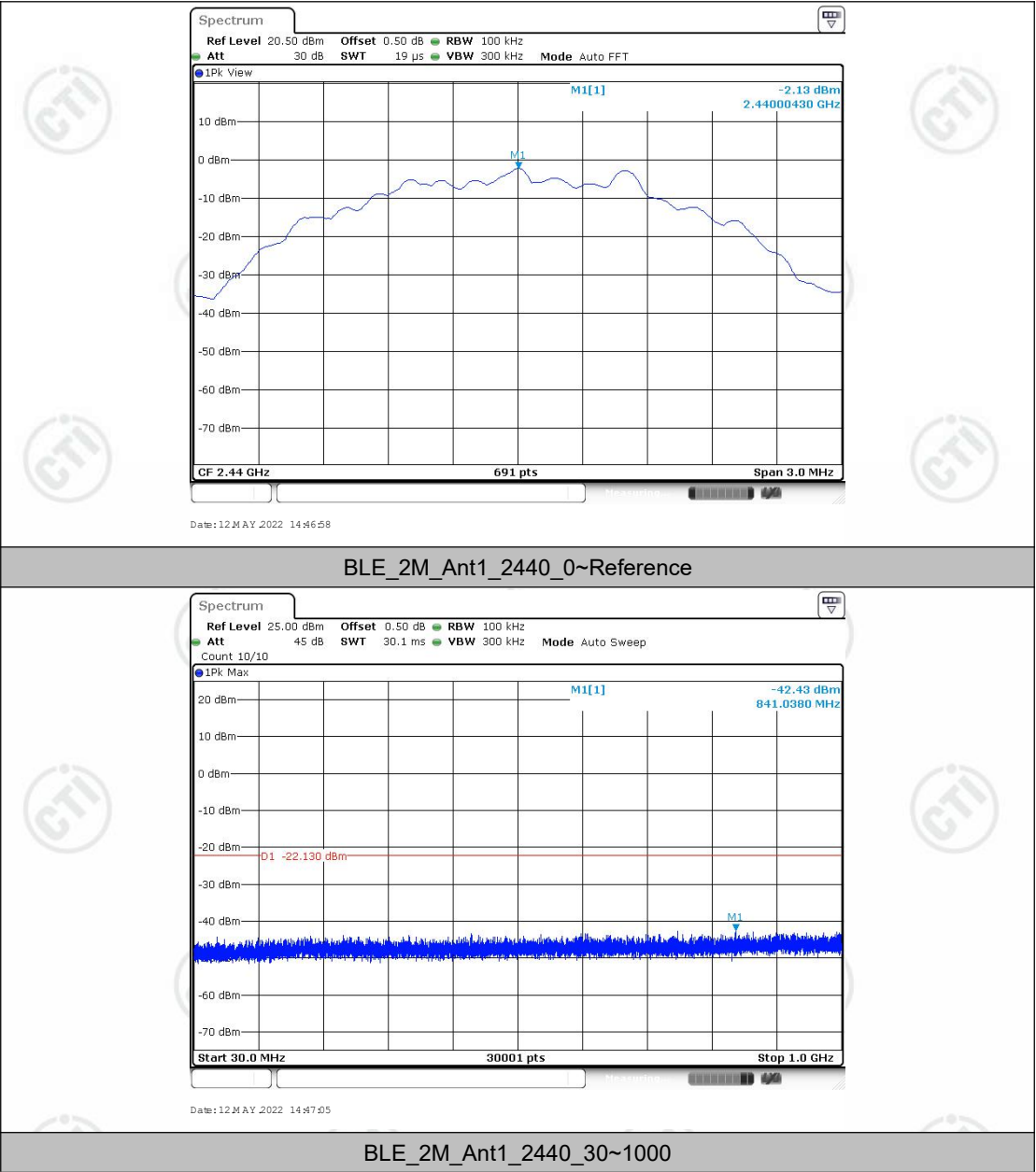


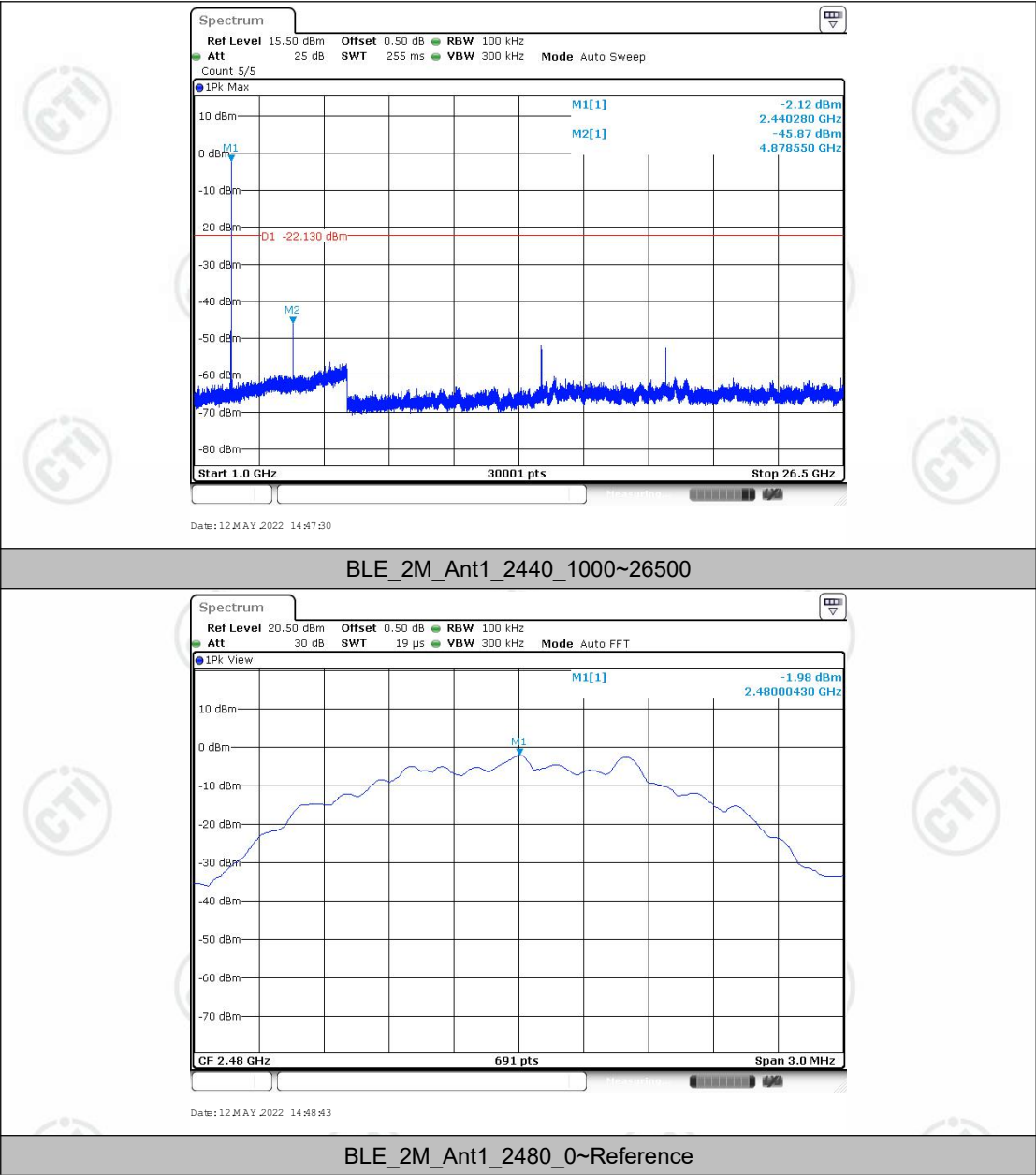


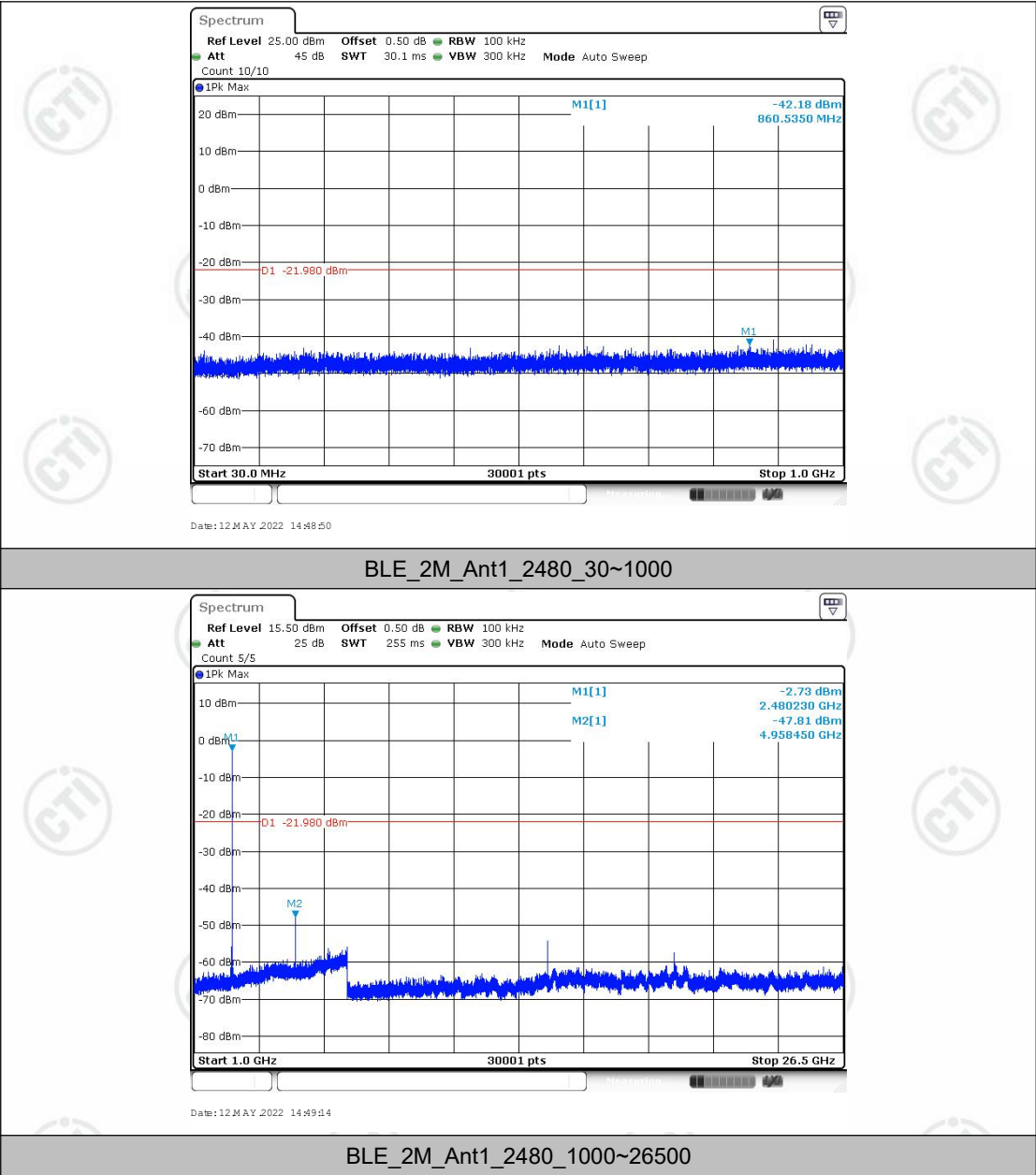










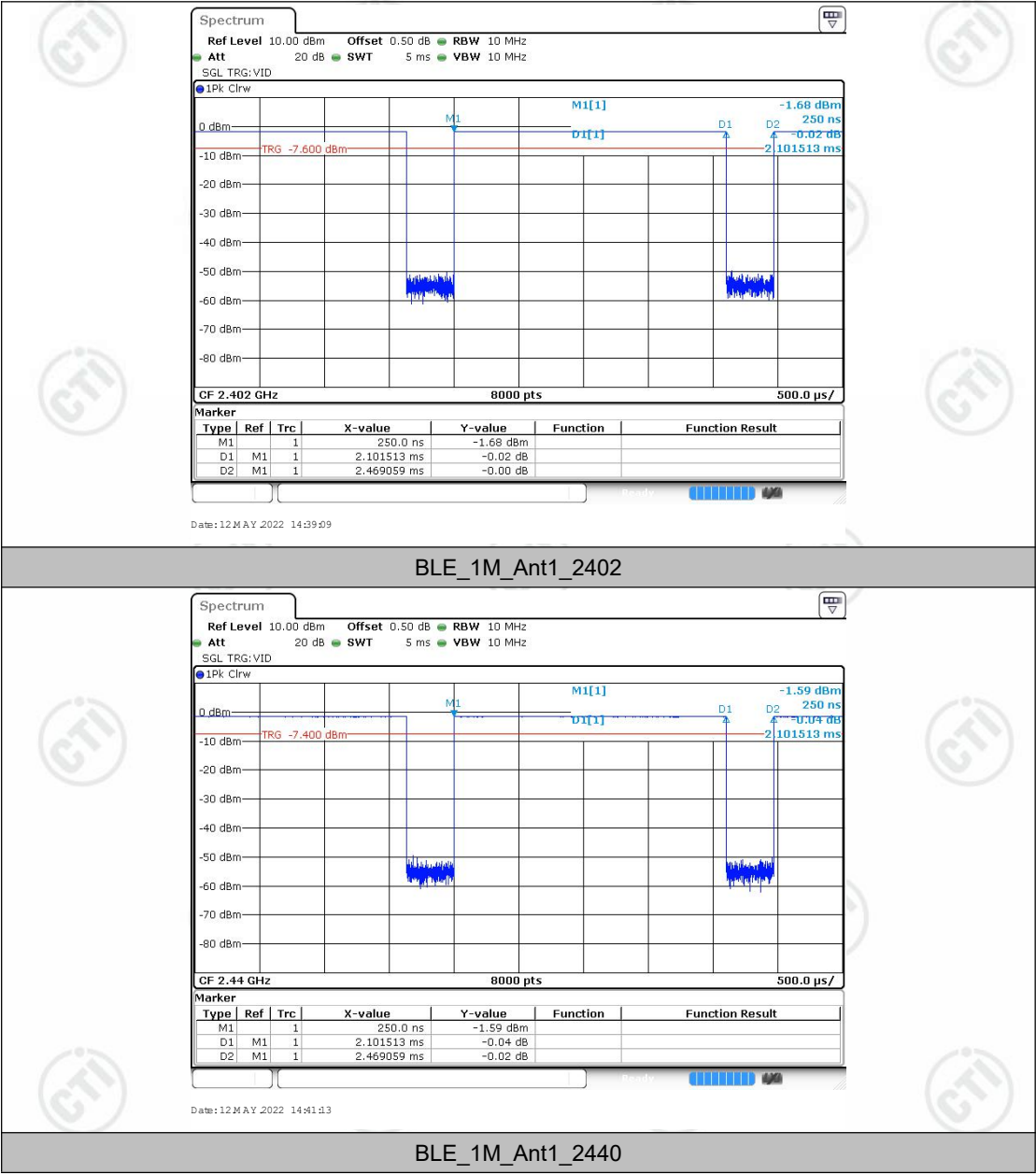


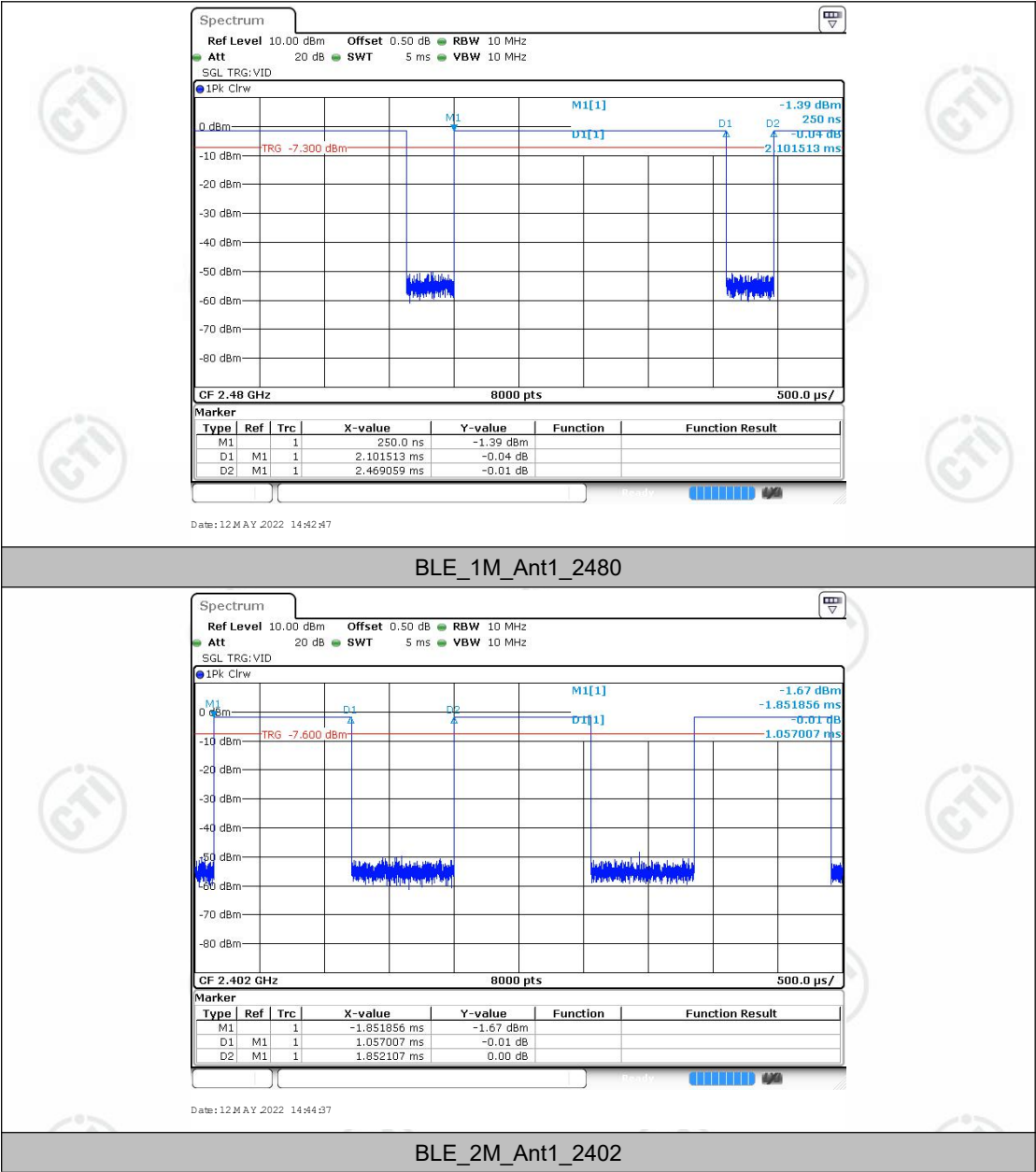
Appendix G: Duty Cycle

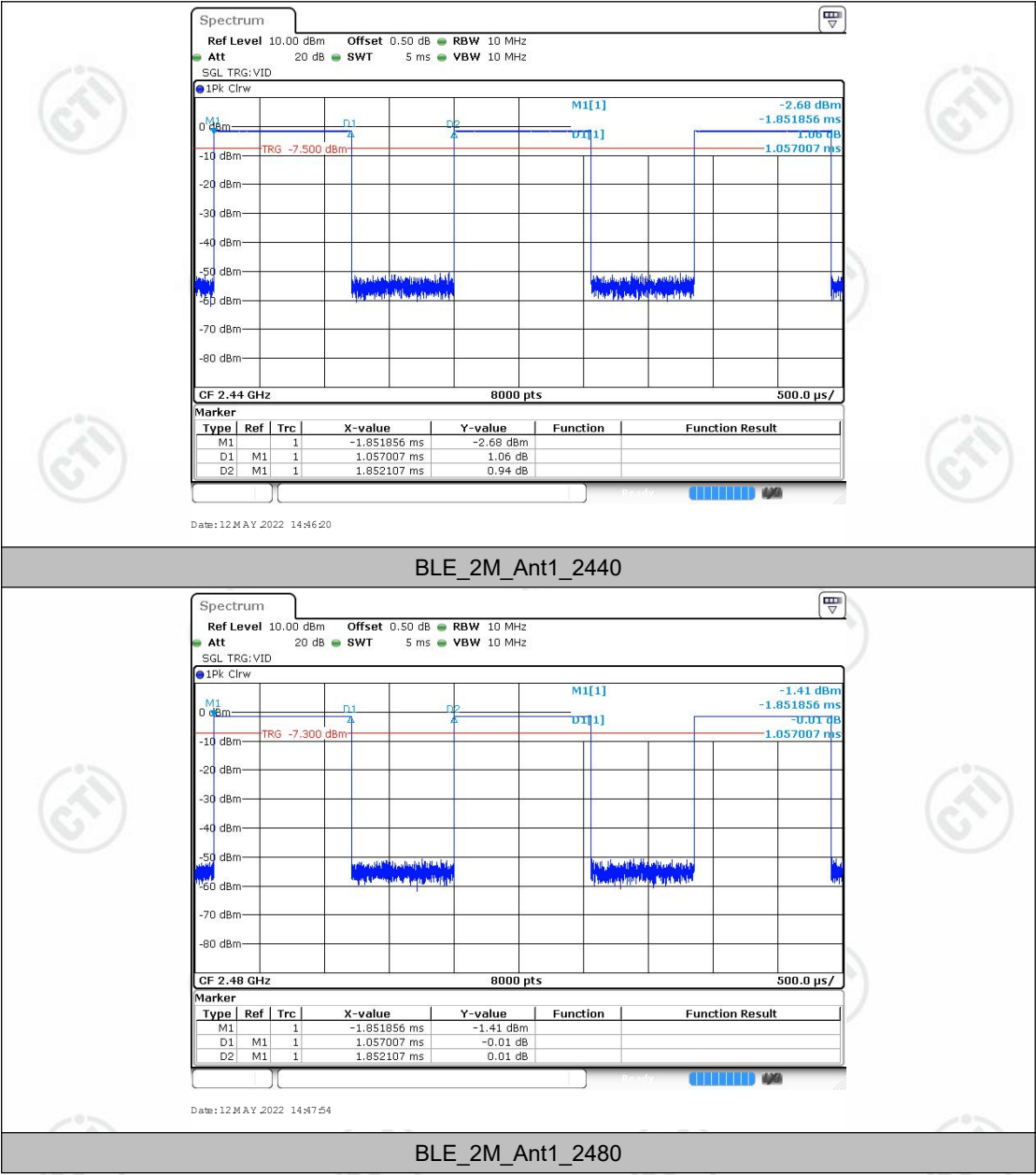
Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	2.10	2.47	85.02	---	PASS
		2440	2.10	2.47	85.02	---	PASS
		2480	2.10	2.47	85.02	---	PASS
BLE_2M	Ant1	2402	1.06	1.85	57.30	---	PASS
		2440	1.06	1.85	57.30	---	PASS
		2480	1.06	1.85	57.30	---	PASS

Test Graphs







END OF REPORT