

Appendix: Bluetooth LE

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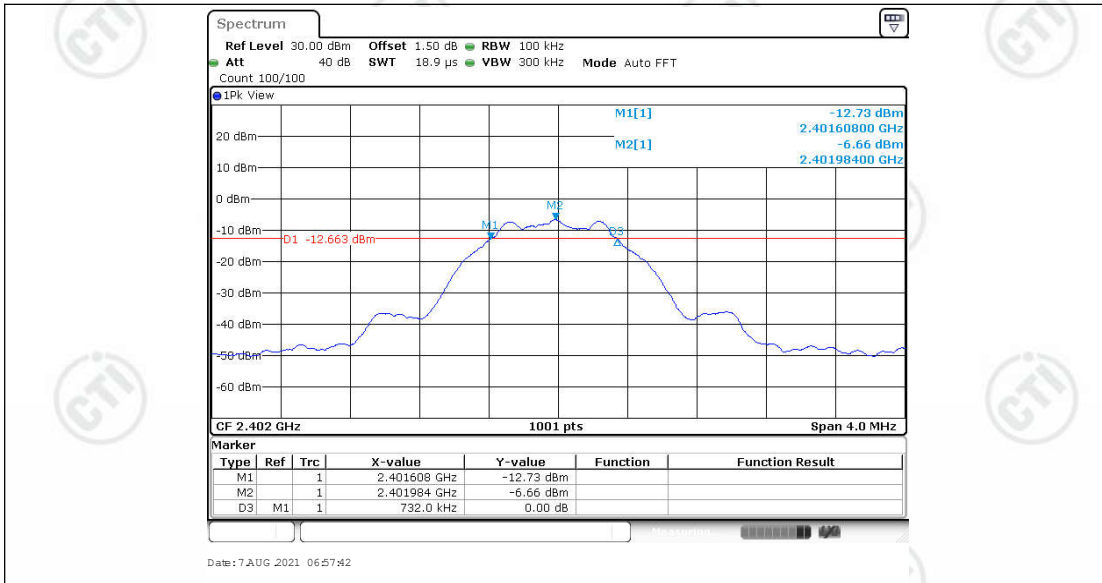
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Appendix A: DTS Bandwidth

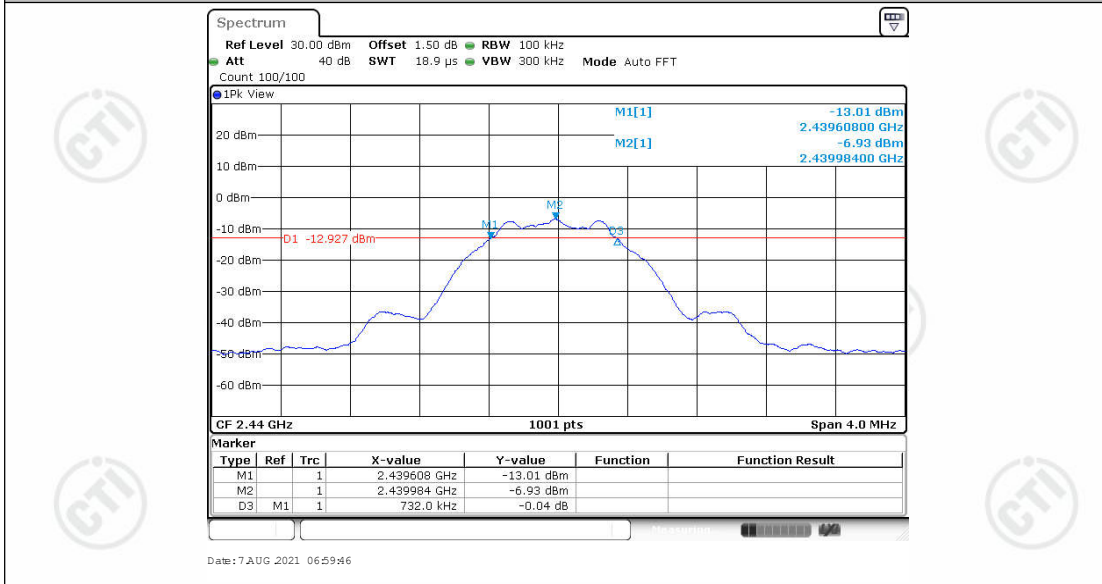
Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.732	2401.608	2402.340	0.5	PASS
		2440	0.732	2439.608	2440.340	0.5	PASS
		2480	0.732	2479.608	2480.340	0.5	PASS

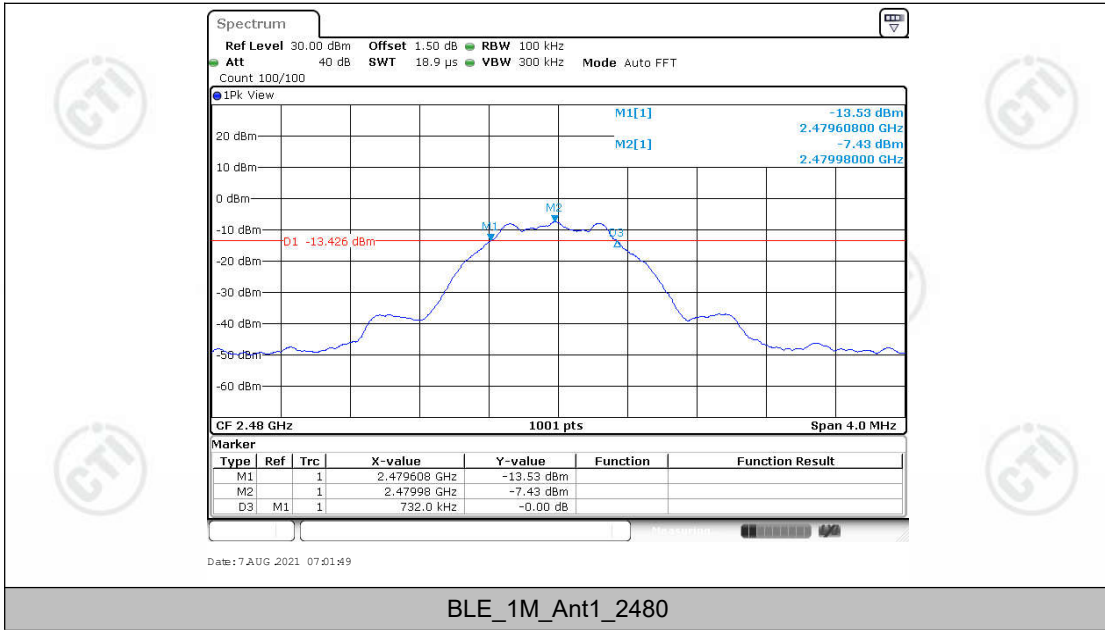
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

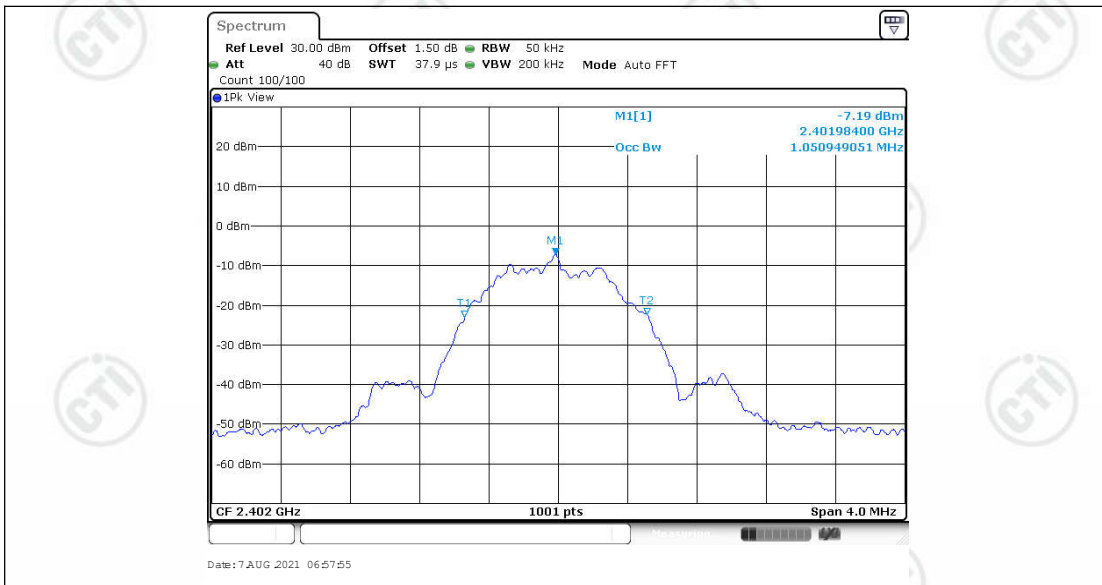


Appendix B: Occupied Channel Bandwidth

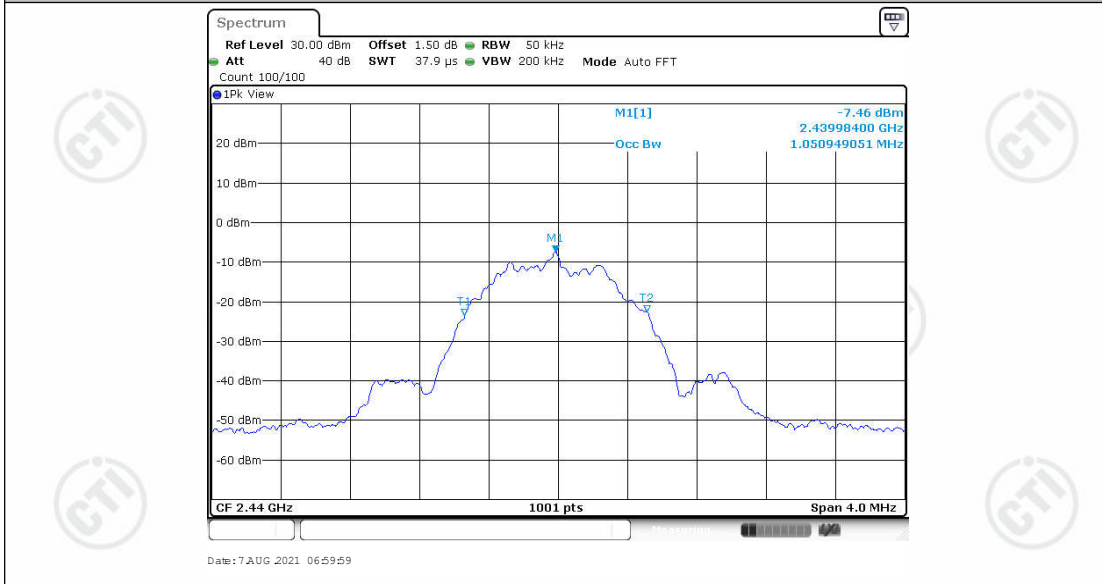
Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.051	2401.461	2402.511	---	PASS
		2440	1.051	2439.461	2440.511	---	PASS
		2480	1.051	2479.461	2480.511	---	PASS

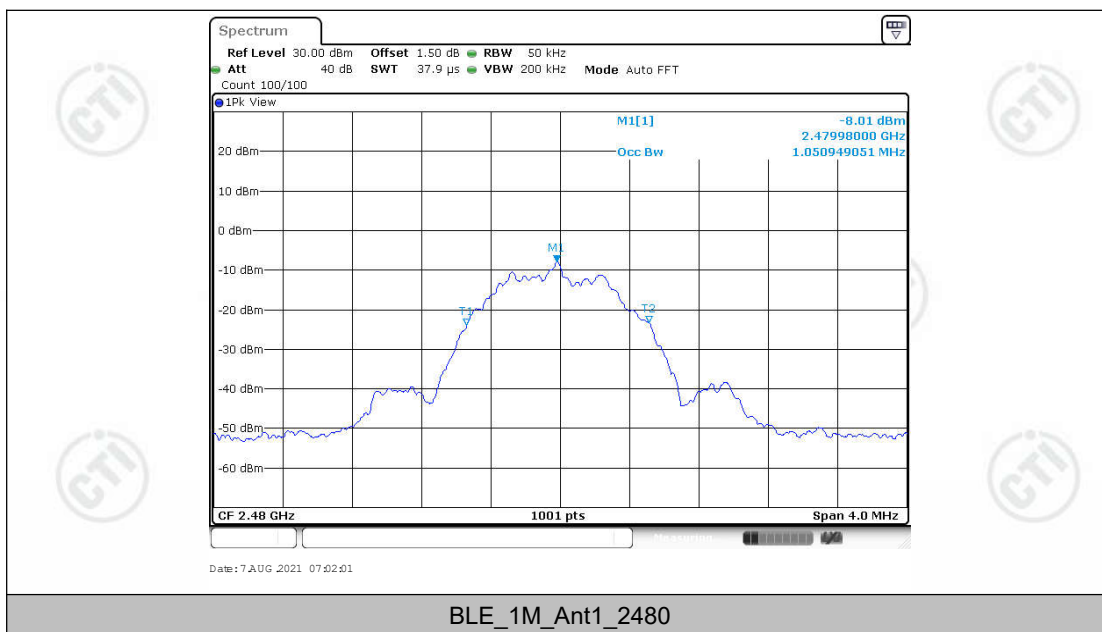
Test Graphs



BLE_1M_Ant1_2402



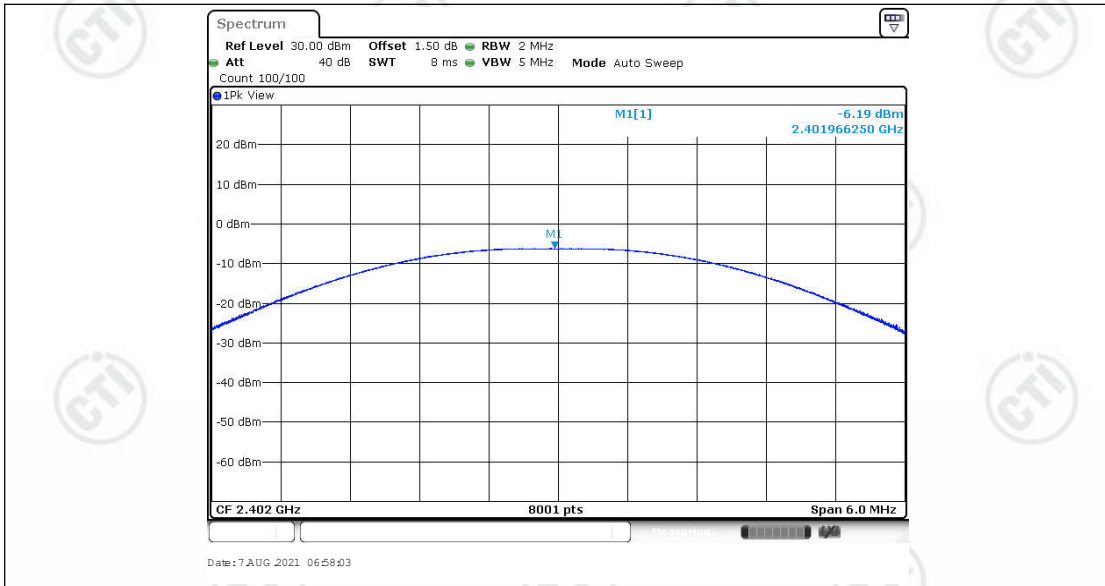
BLE_1M_Ant1_2440



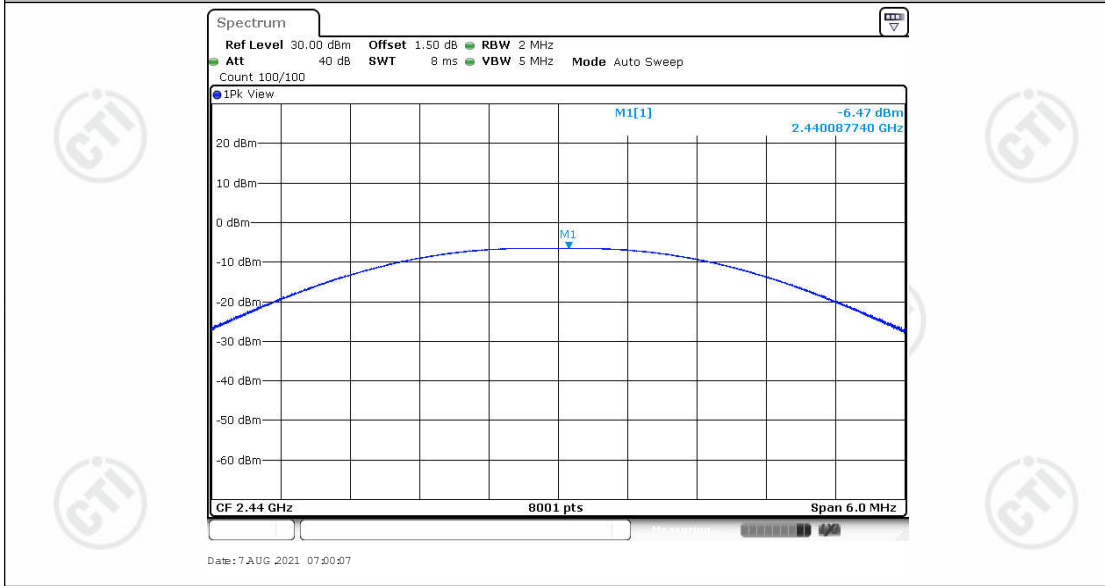
Appendix C: Maximum conducted output power**Test Result**

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-6.19	<=30	PASS
		2440	-6.47	<=30	PASS
		2480	-6.96	<=30	PASS

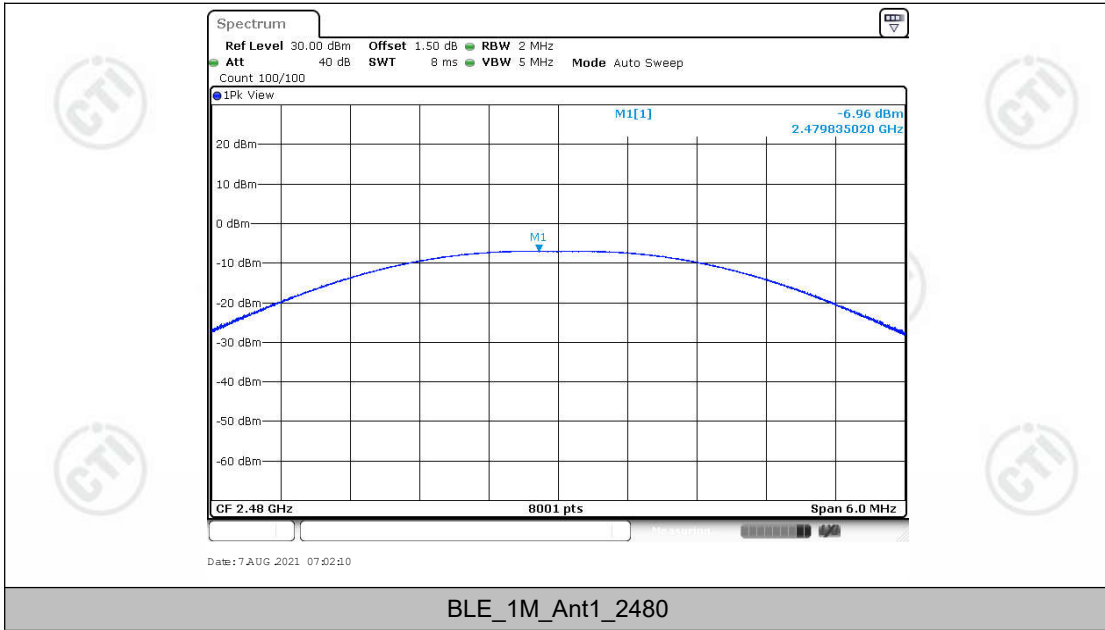
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



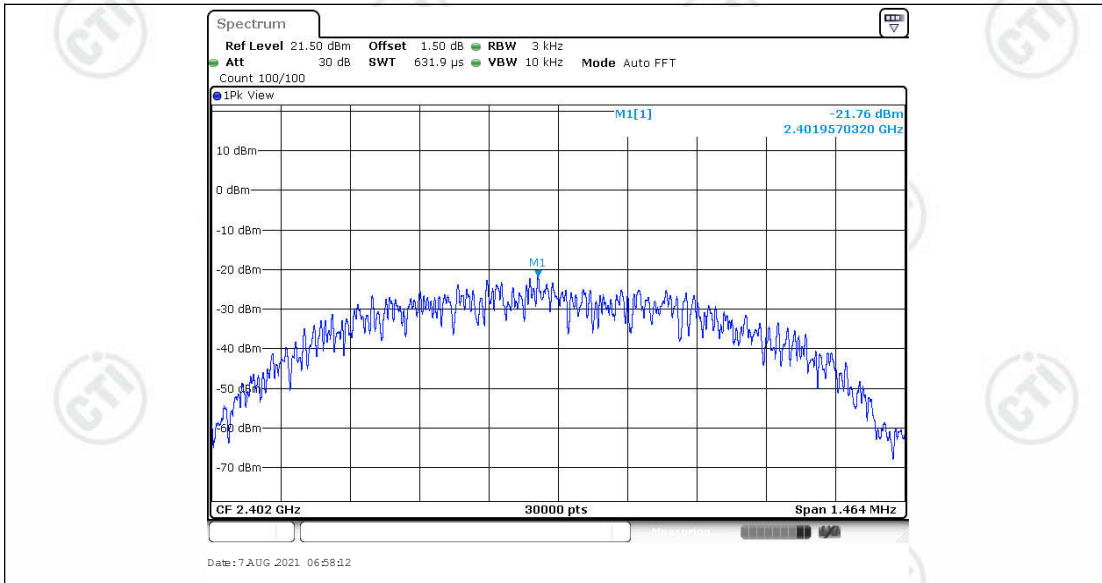
BLE_1M_Ant1_2480

Appendix D: Maximum power spectral density

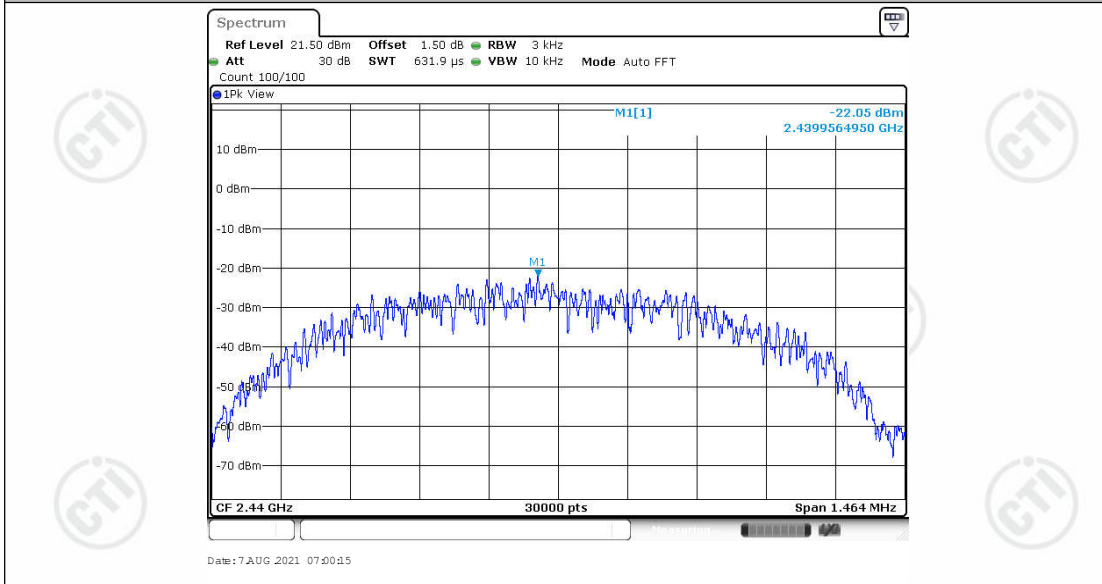
Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-21.76	<=8	PASS
		2440	-22.05	<=8	PASS
		2480	-22.56	<=8	PASS

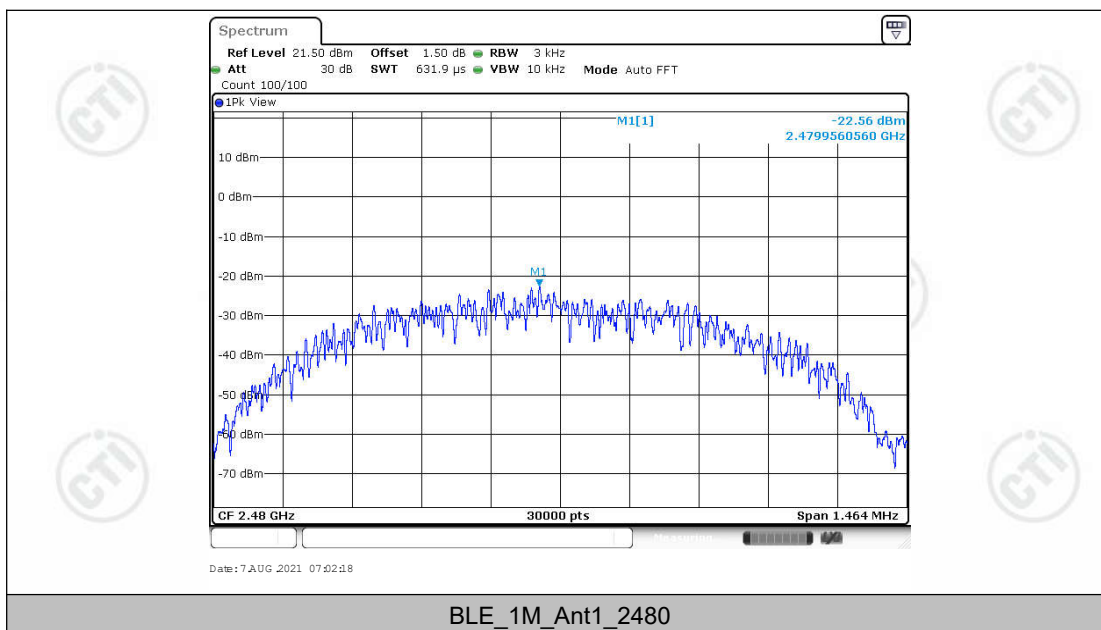
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



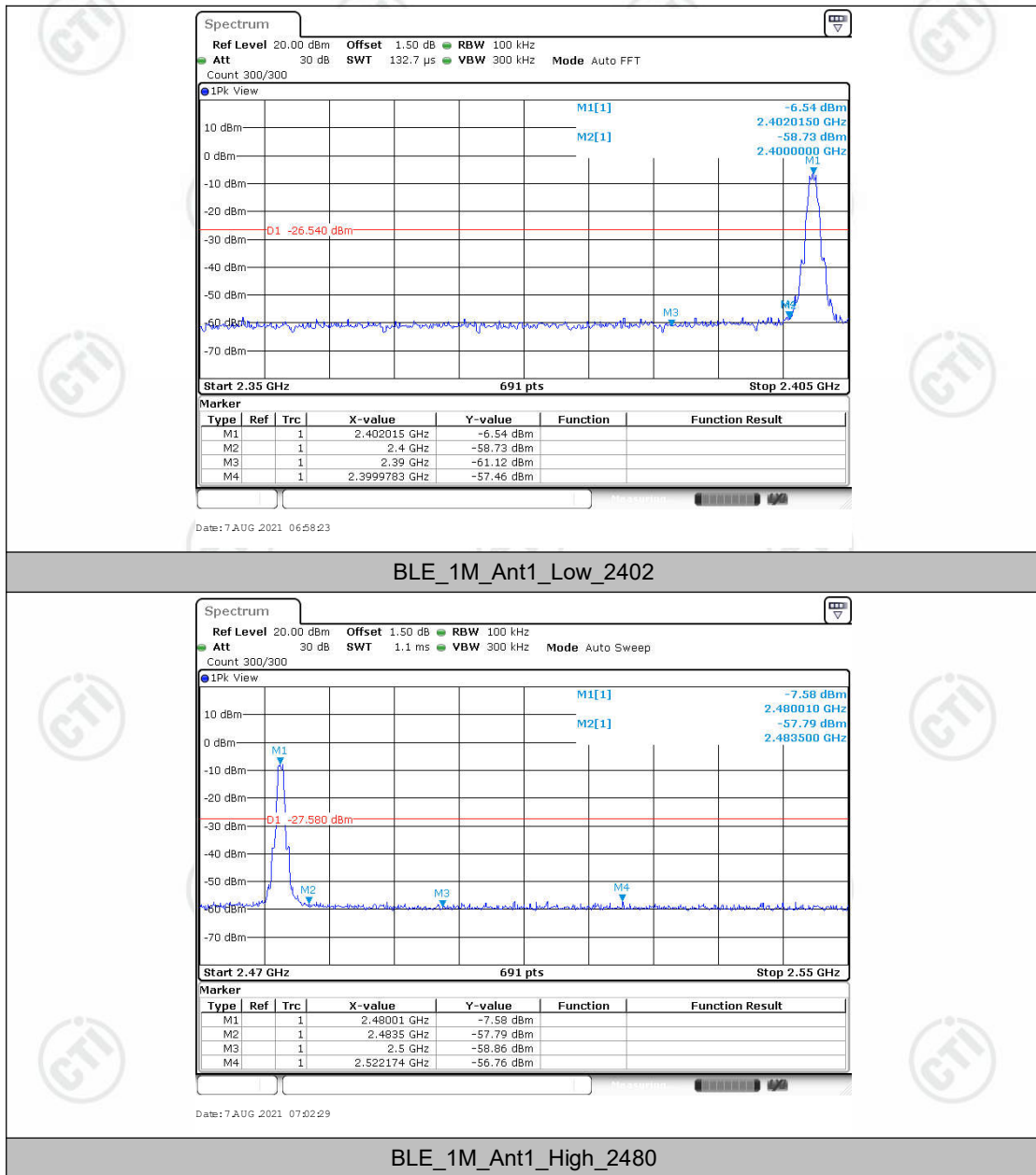
BLE_1M_Ant1_2480

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	-6.54	-57.46	<=-26.54	PASS
		High	2480	-7.58	-56.76	<=-27.58	PASS

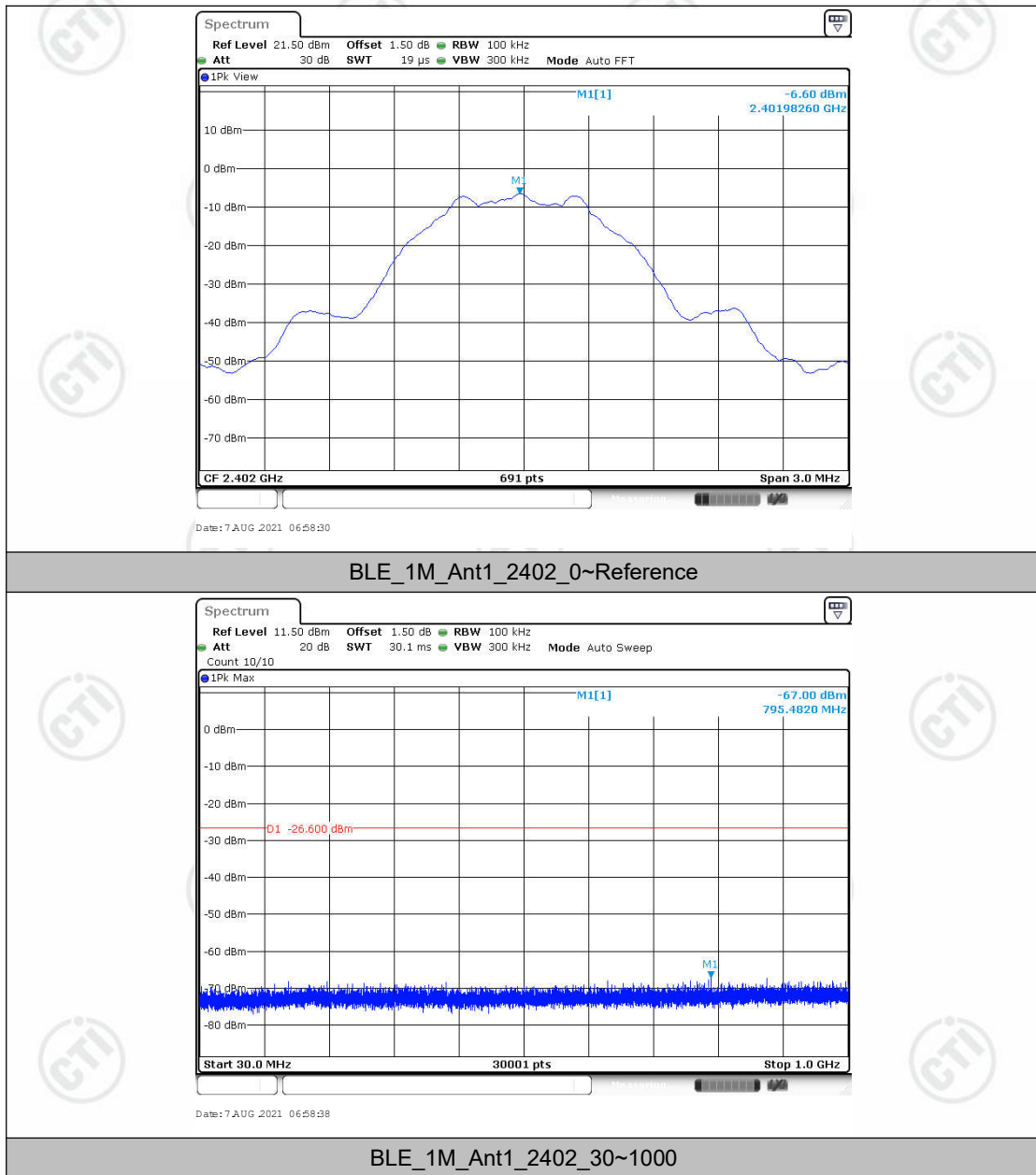
Test Graphs

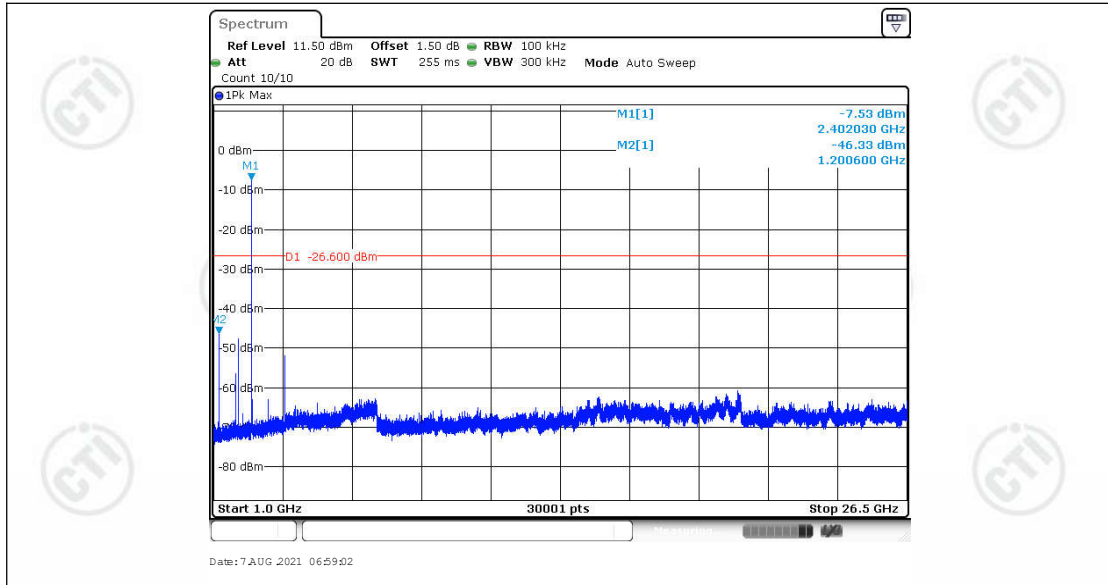


Appendix F: Conducted Spurious Emission**Test Result**

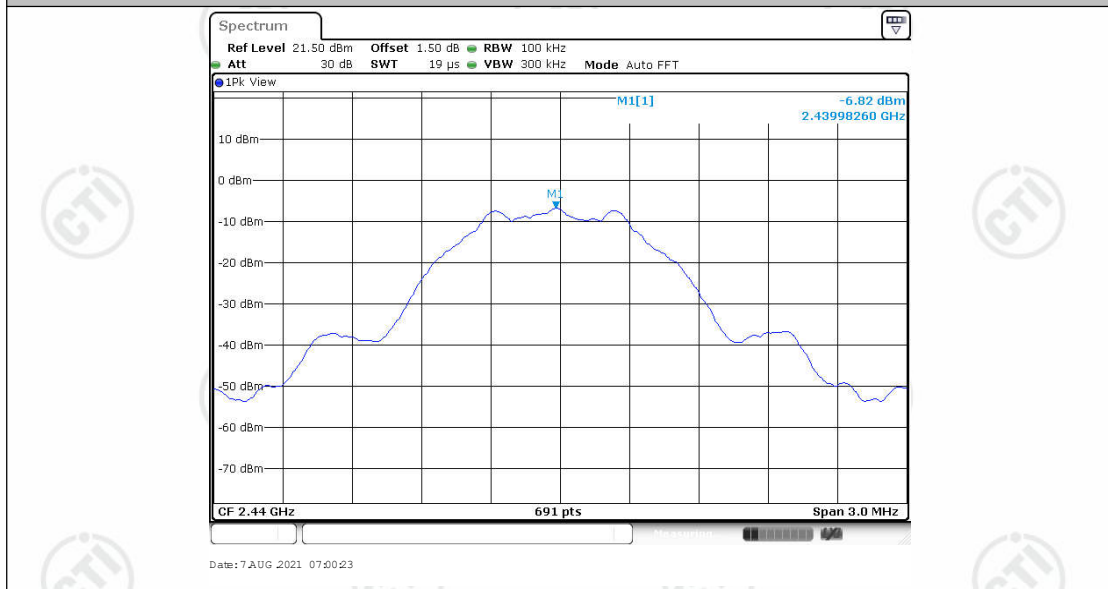
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-6.60	-6.60	---	PASS
			30~1000	-6.60	-67	<=-26.6	PASS
			1000~26500	-6.60	-46.33	<=-26.6	PASS
		2440	Reference	-6.82	-6.82	---	PASS
			30~1000	-6.82	-67.23	<=-26.82	PASS
			1000~26500	-6.82	-45.81	<=-26.82	PASS
		2480	Reference	-7.40	-7.40	---	PASS
			30~1000	-7.40	-67.13	<=-27.4	PASS
			1000~26500	-7.40	-45.1	<=-27.4	PASS

Test Graphs

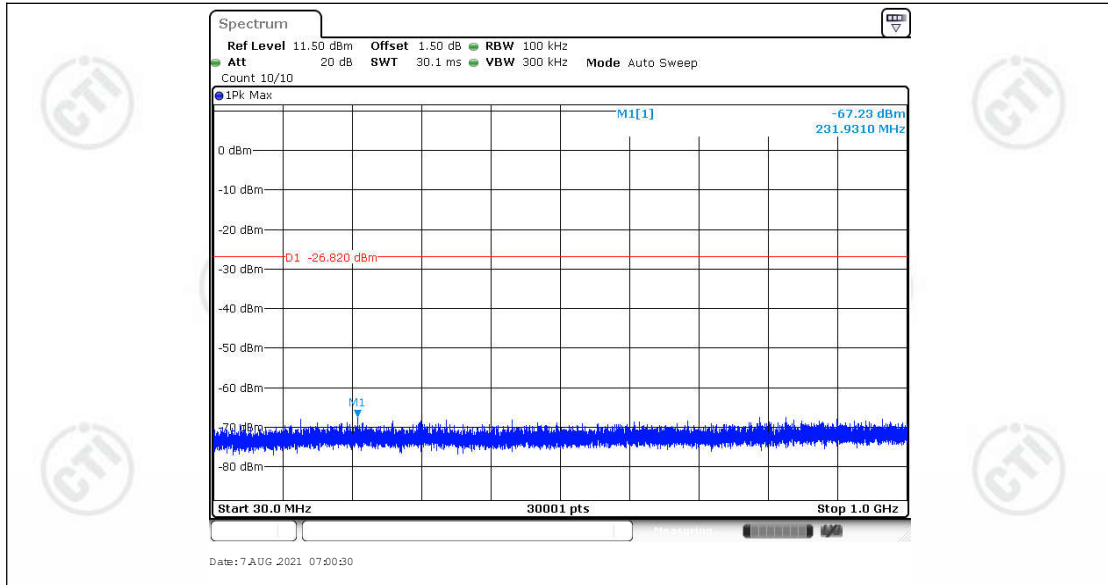




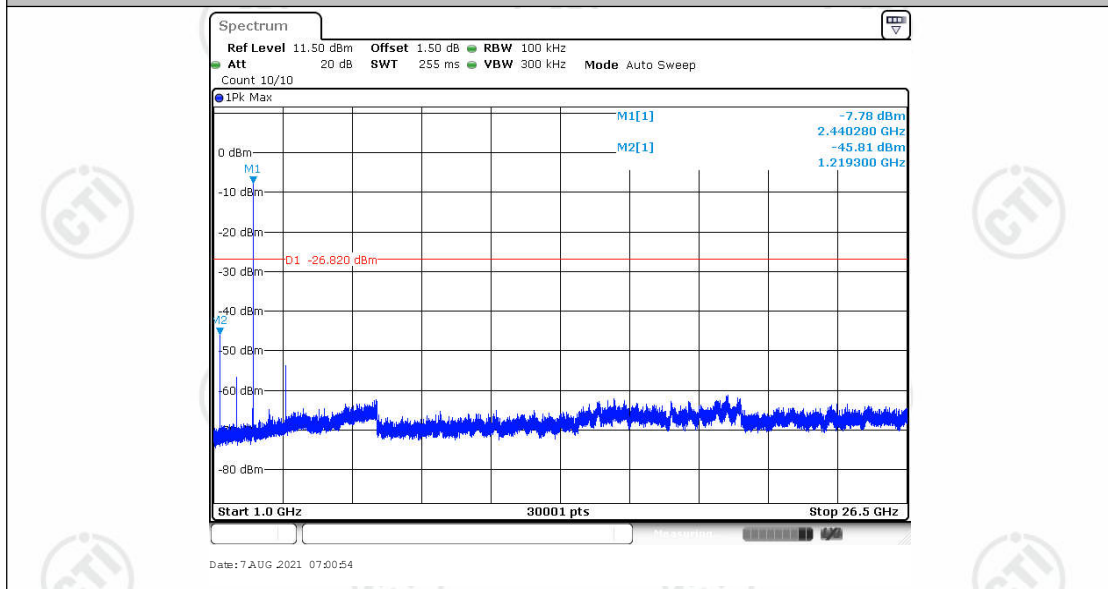
BLE_1M_Ant1_2402_1000~26500



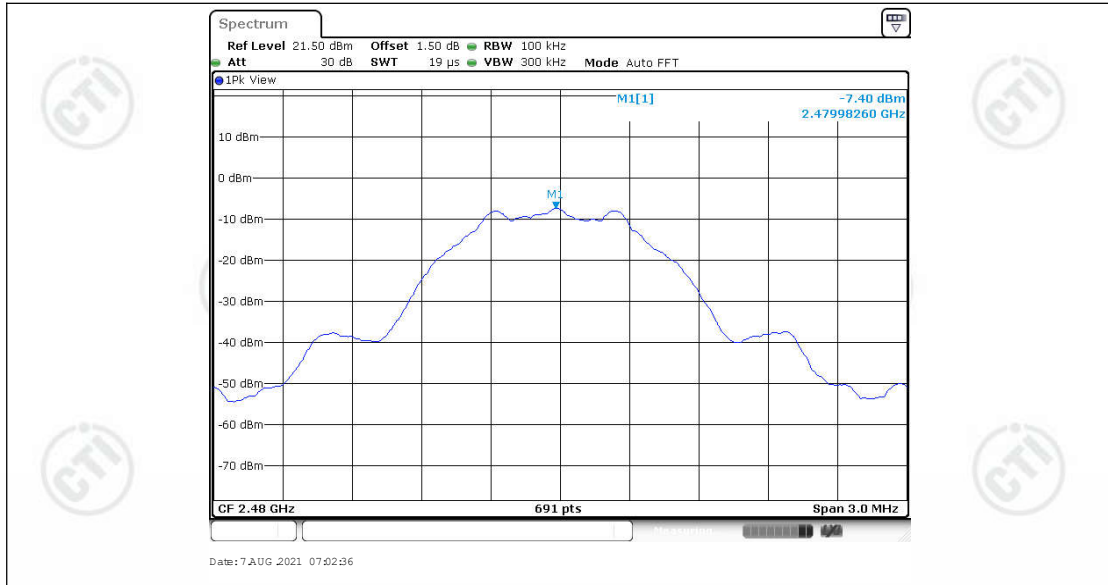
BLE_1M_Ant1_2440_0~Reference



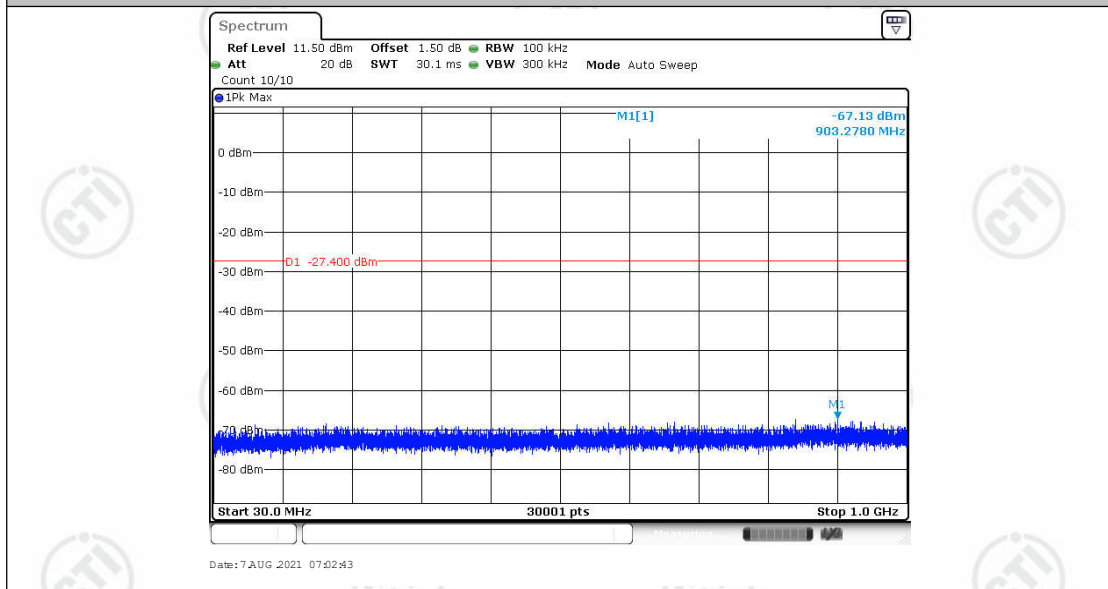
BLE_1M_Ant1_2440_30~1000



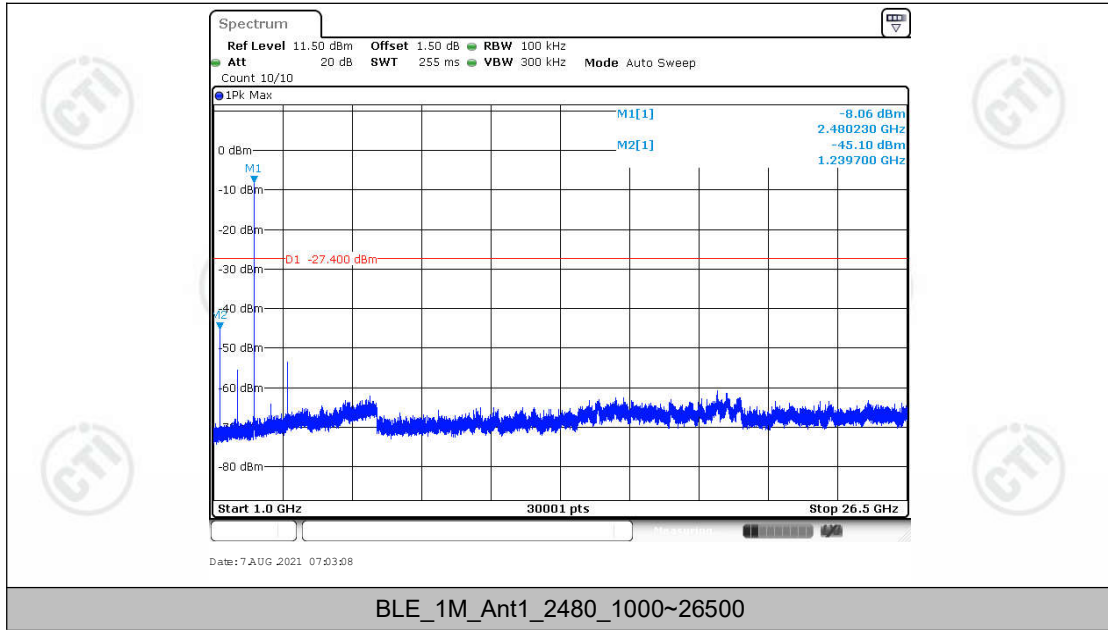
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



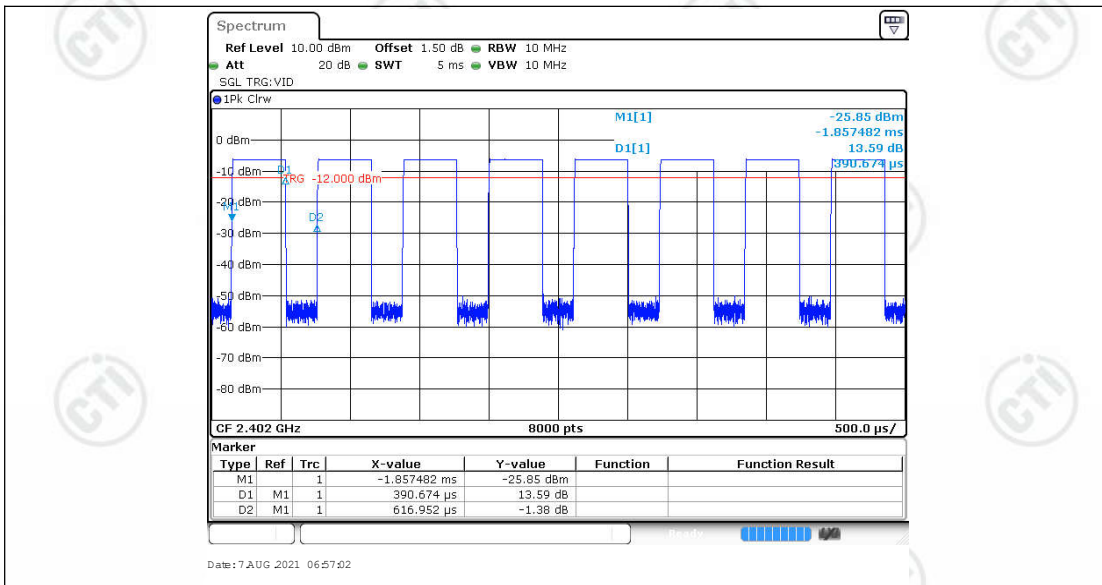
BLE_1M_Ant1_2480_30~1000



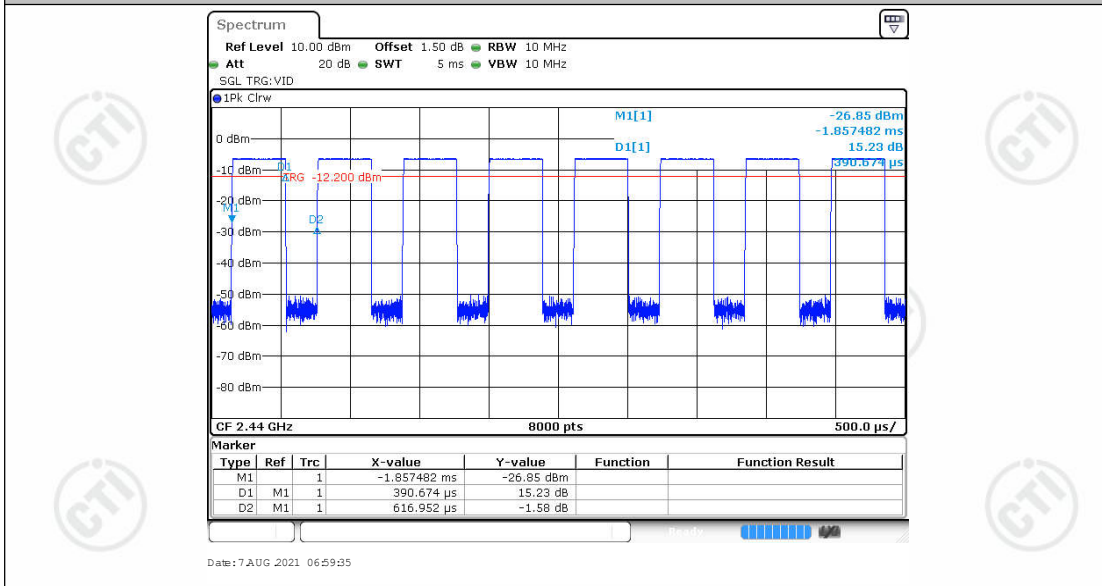
Appendix G: Duty Cycle**Test Result**

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.62	62.90	---	PASS
		2440	0.39	0.62	62.90	---	PASS
		2480	0.39	0.62	62.90	---	PASS

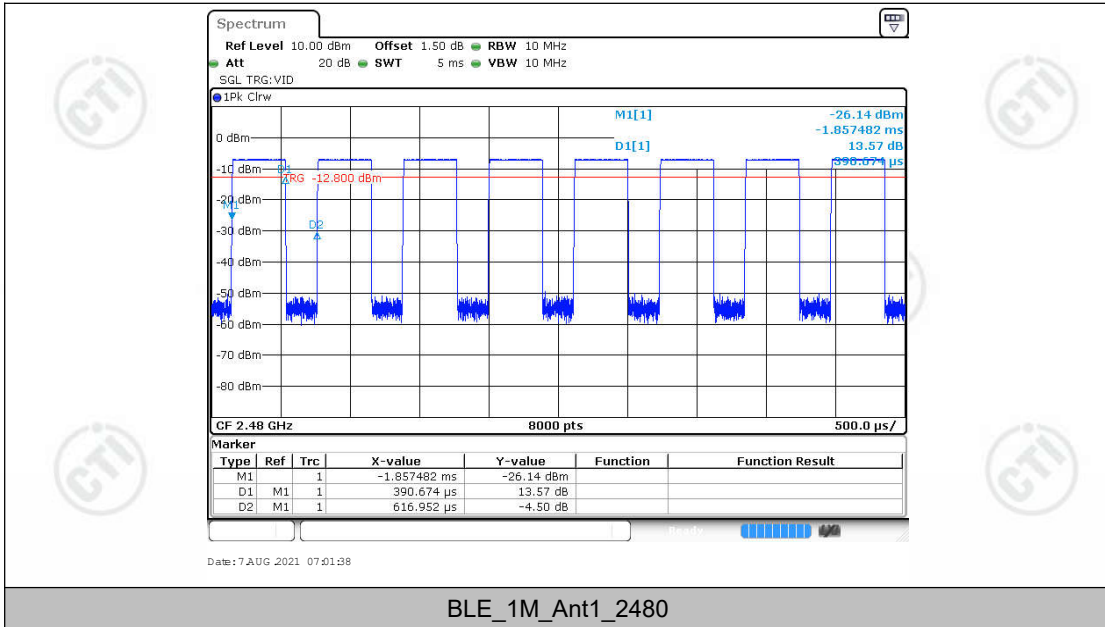
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



*** End of Report ***