

Appendix: Bluetooth LE

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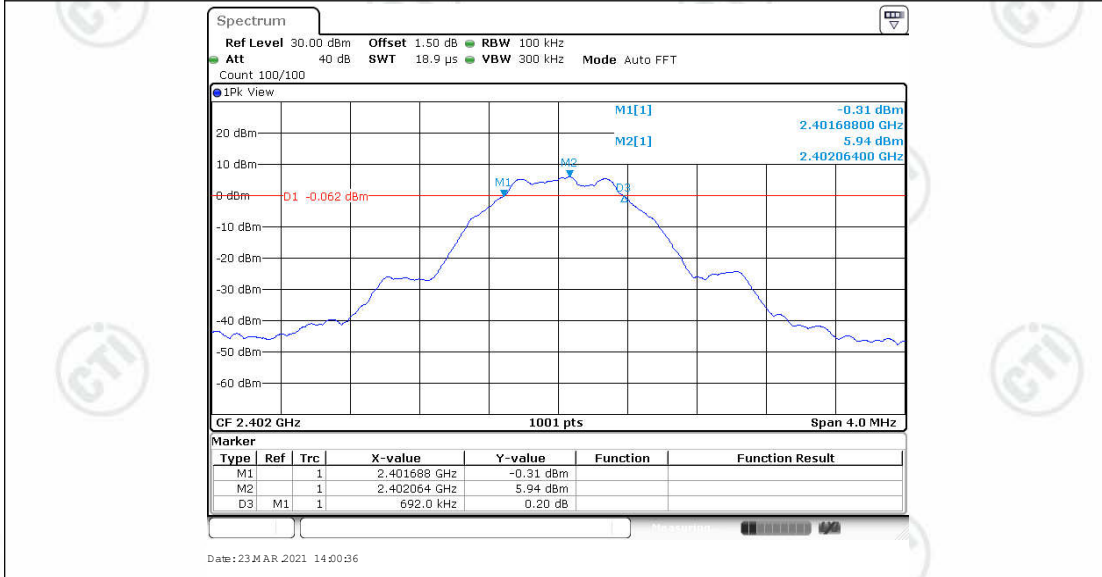
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Appendix A: DTS Bandwidth

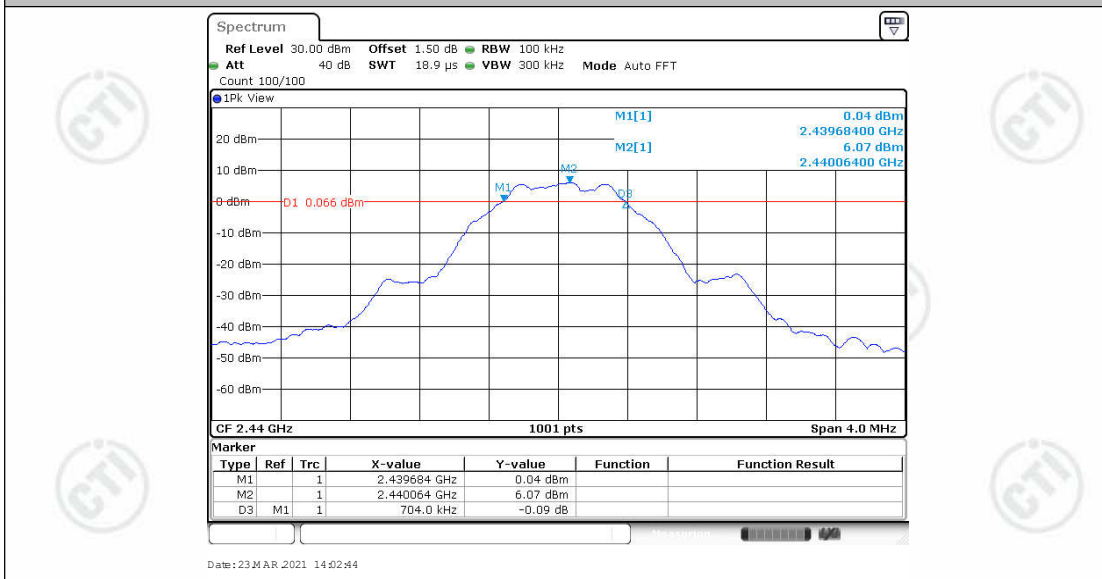
Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.688	2402.380	0.5	PASS
		2440	0.704	2439.684	2440.388	0.5	PASS
		2480	0.732	2479.660	2480.392	0.5	PASS

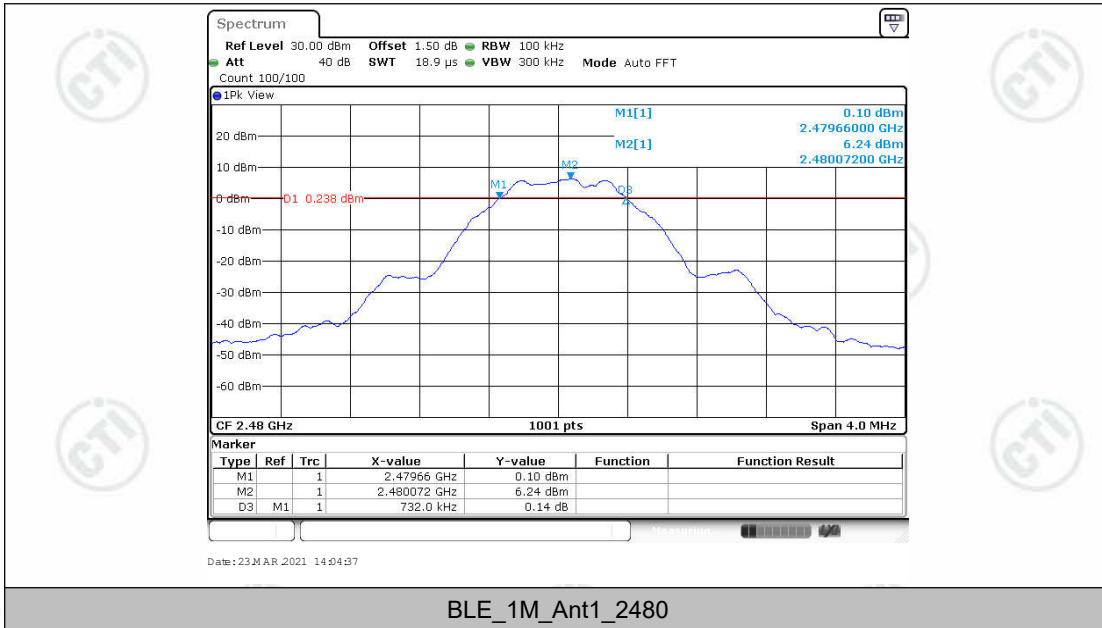
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

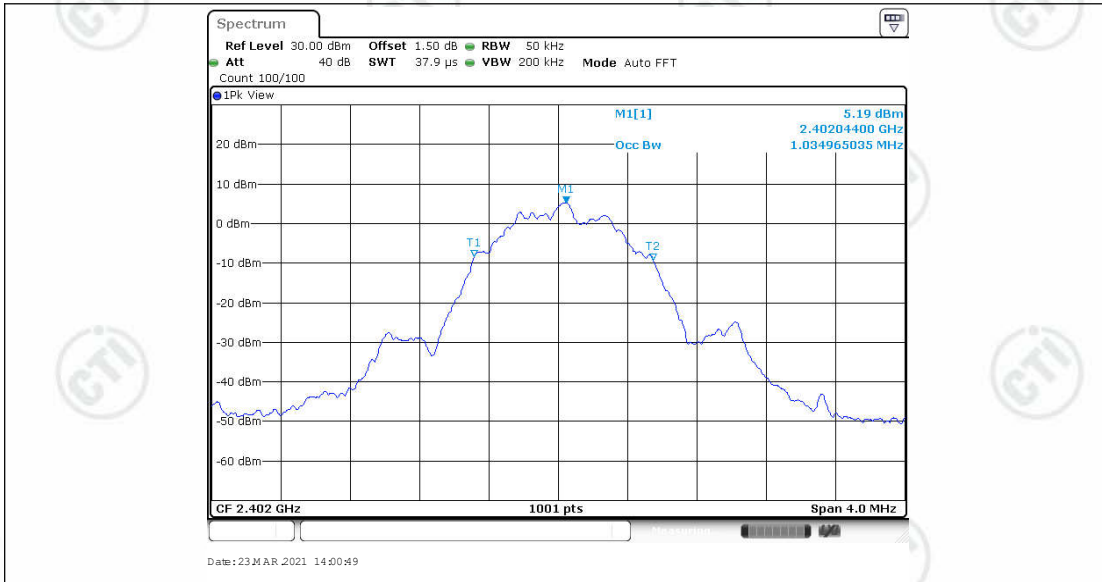


Appendix B: Occupied Channel Bandwidth

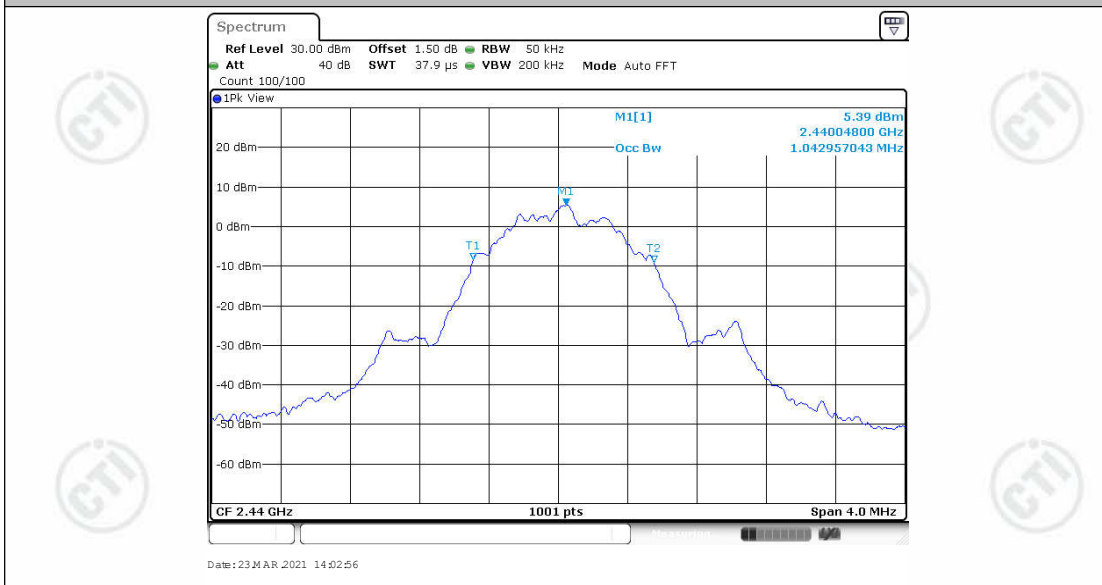
Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.035	2401.512	2402.547	---	PASS
		2440	1.043	2439.508	2440.551	---	PASS
		2480	1.043	2479.508	2480.551	---	PASS

Test Graphs



BLE_1M_Ant1_2402



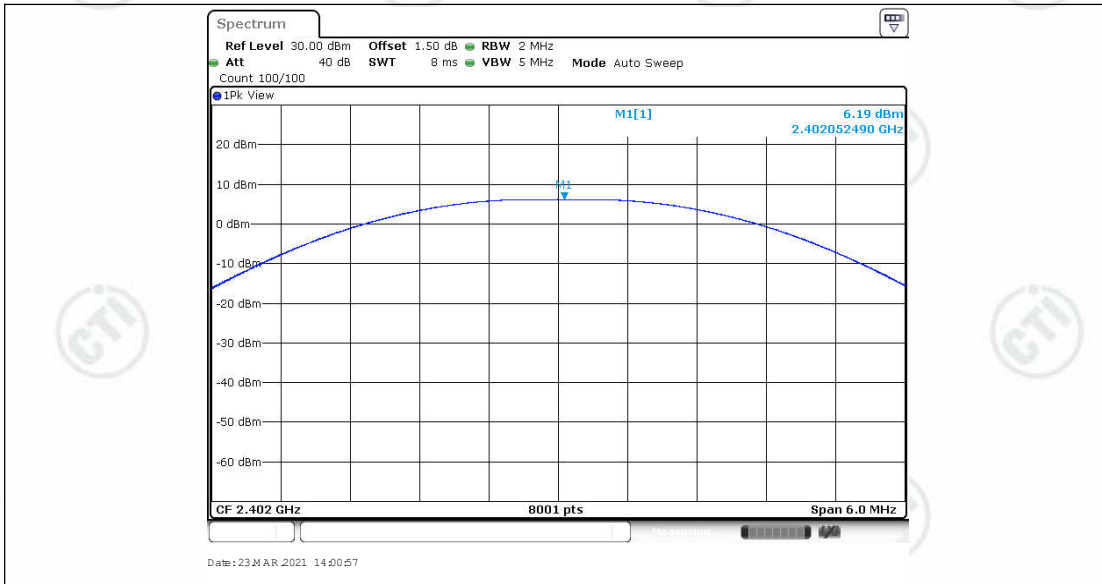
BLE_1M_Ant1_2440

Appendix C: Maximum conducted output power

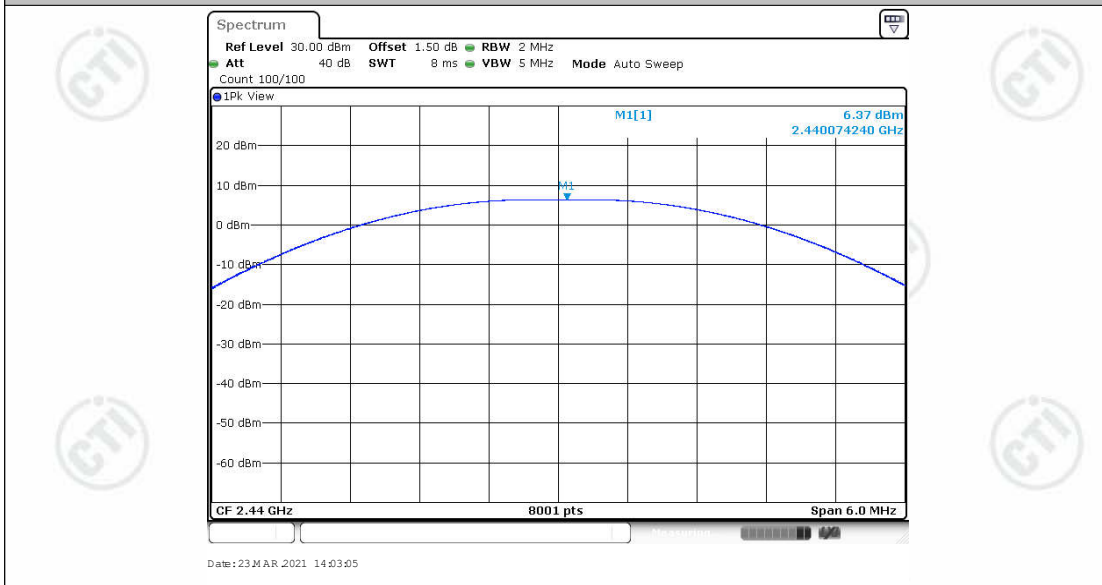
Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.19	<=30	PASS
		2440	6.37	<=30	PASS
		2480	6.55	<=30	PASS

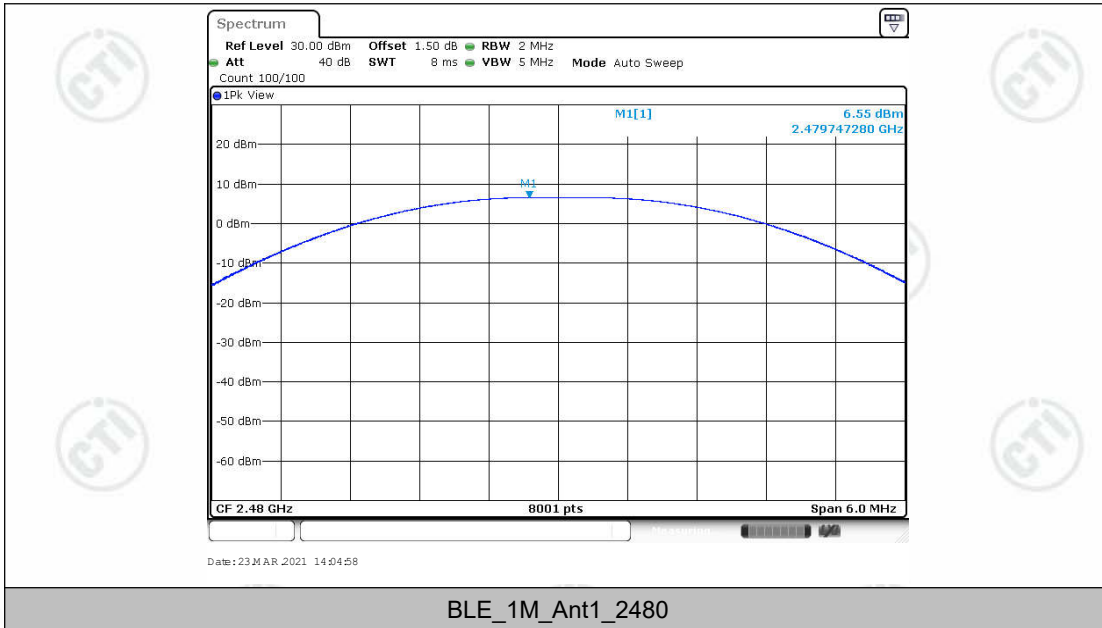
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

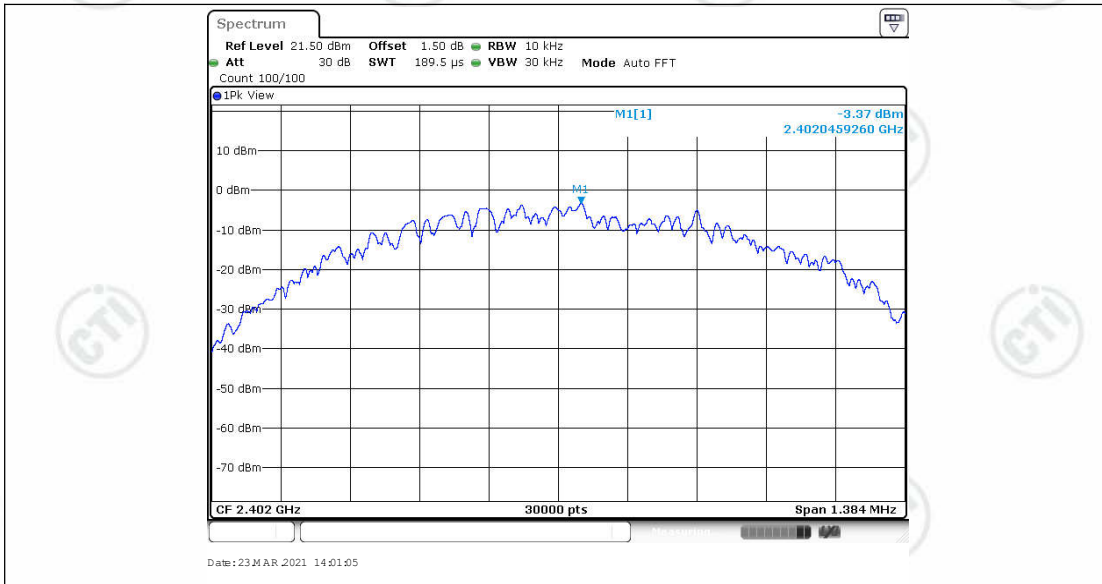


Appendix D: Maximum power spectral density

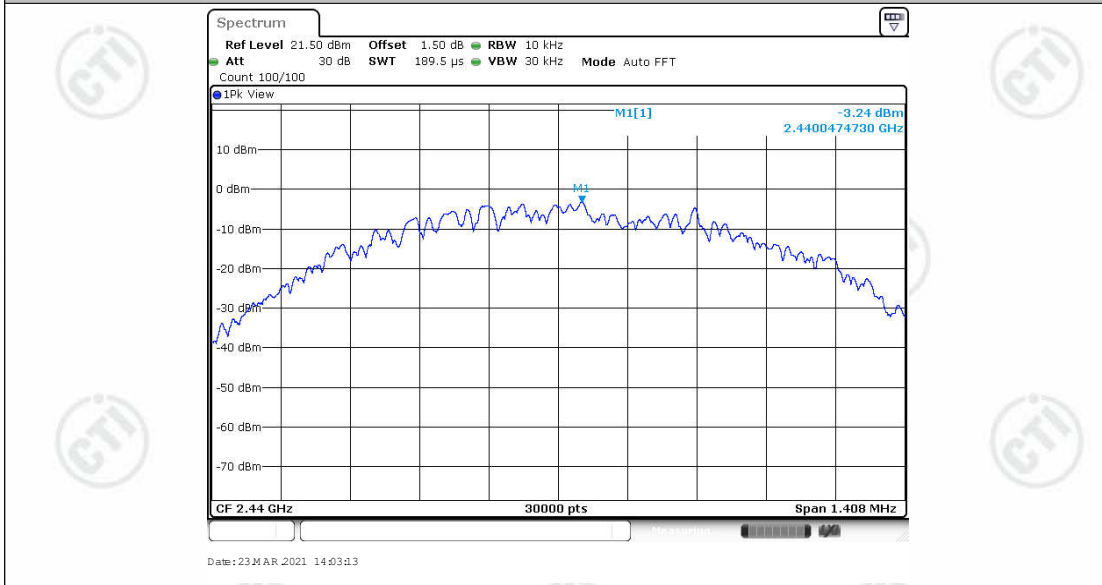
Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-3.37	<=8	PASS
		2440	-3.24	<=8	PASS
		2480	-3.38	<=8	PASS

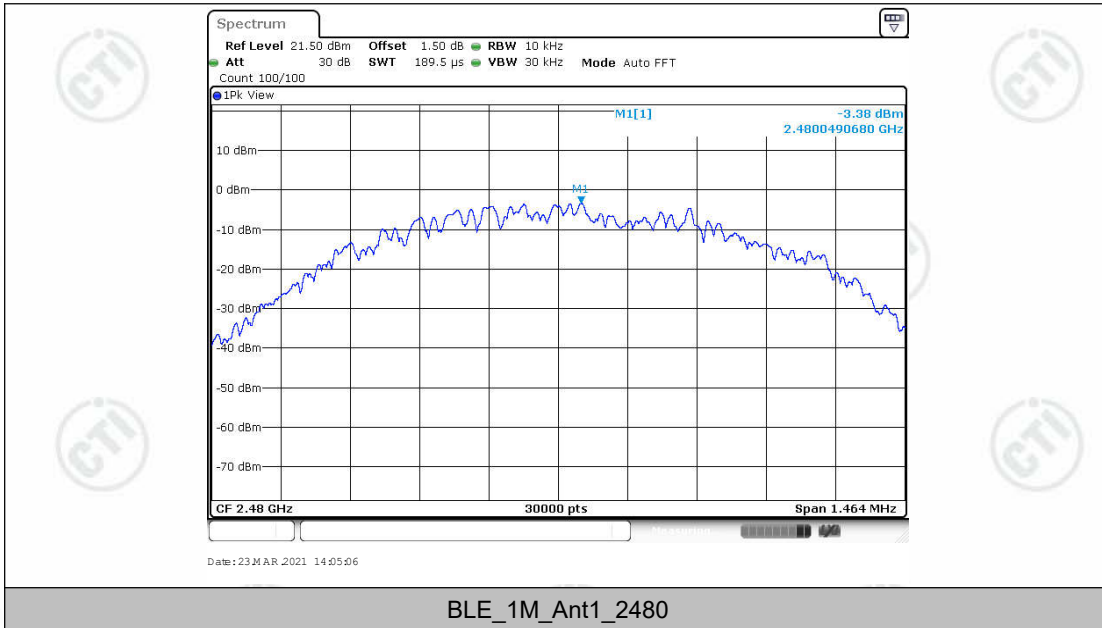
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

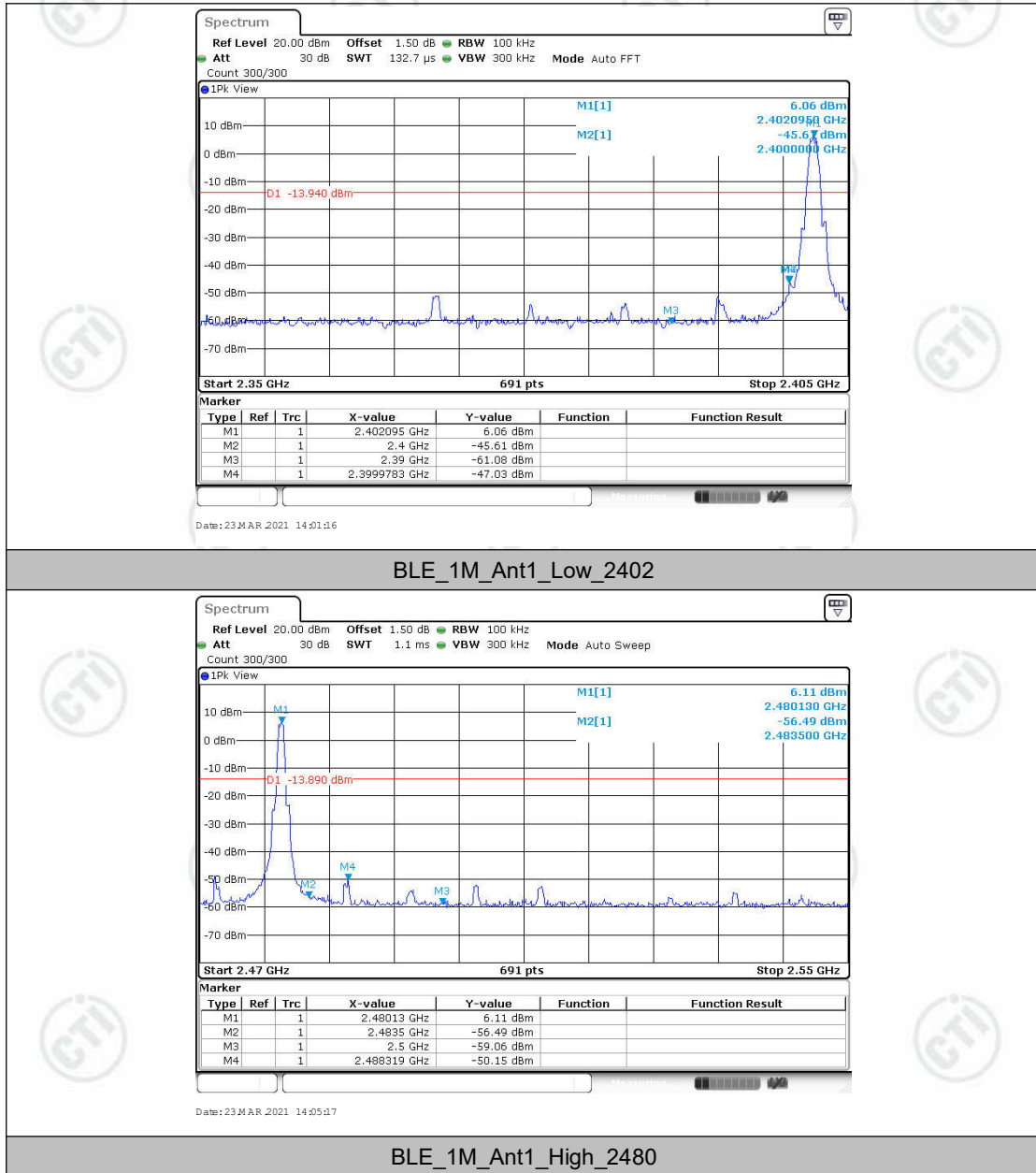


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.06	-47.03	<=-13.94	PASS
		High	2480	6.11	-50.15	<=-13.89	PASS

Test Graphs

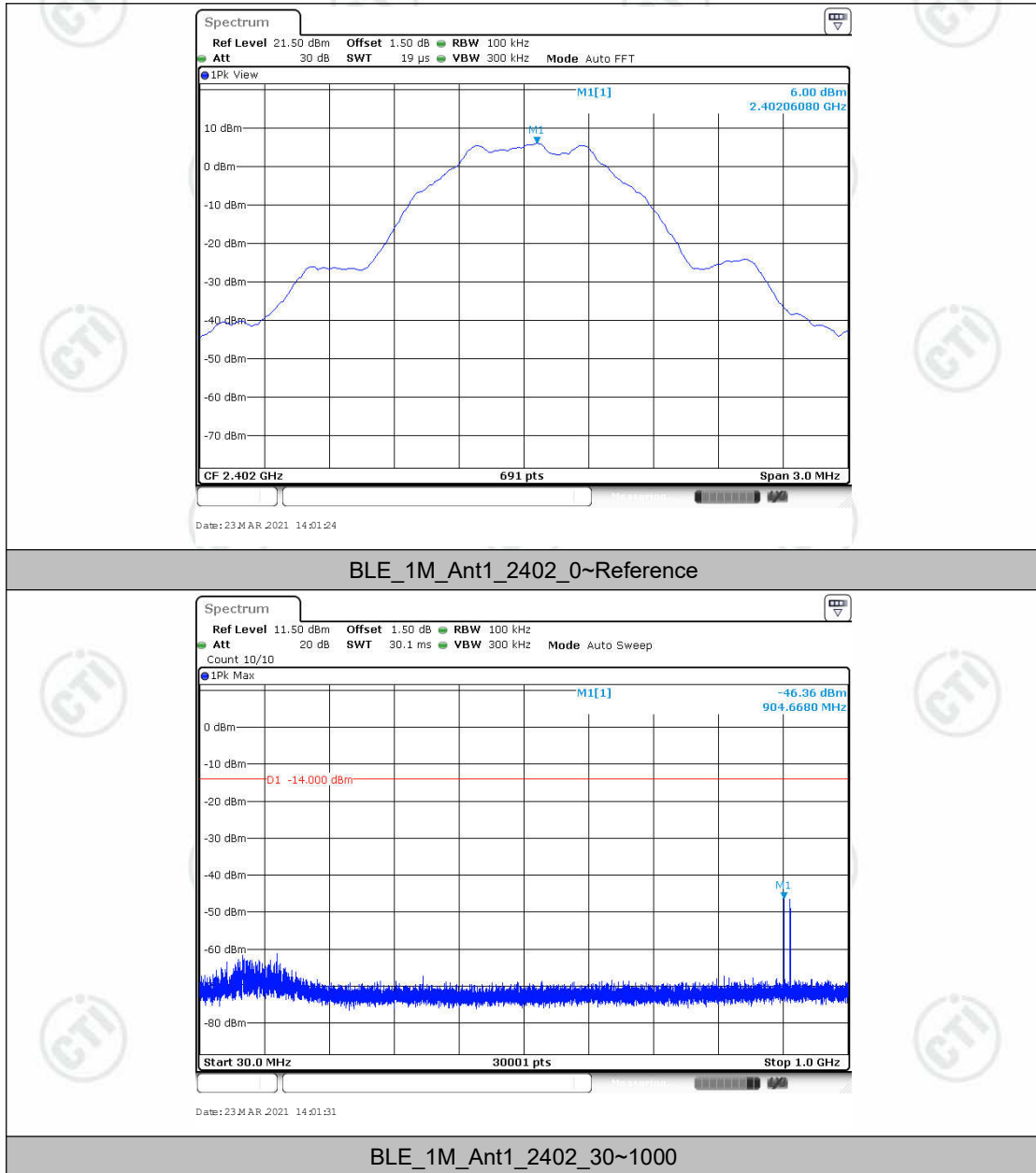


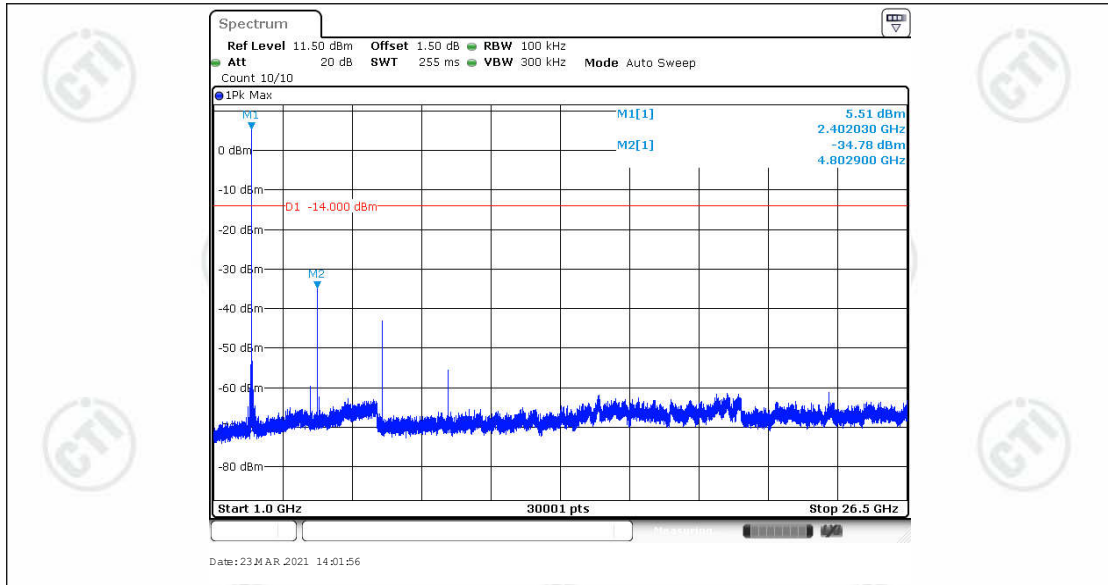
Appendix F: Conducted Spurious Emission

Test Result

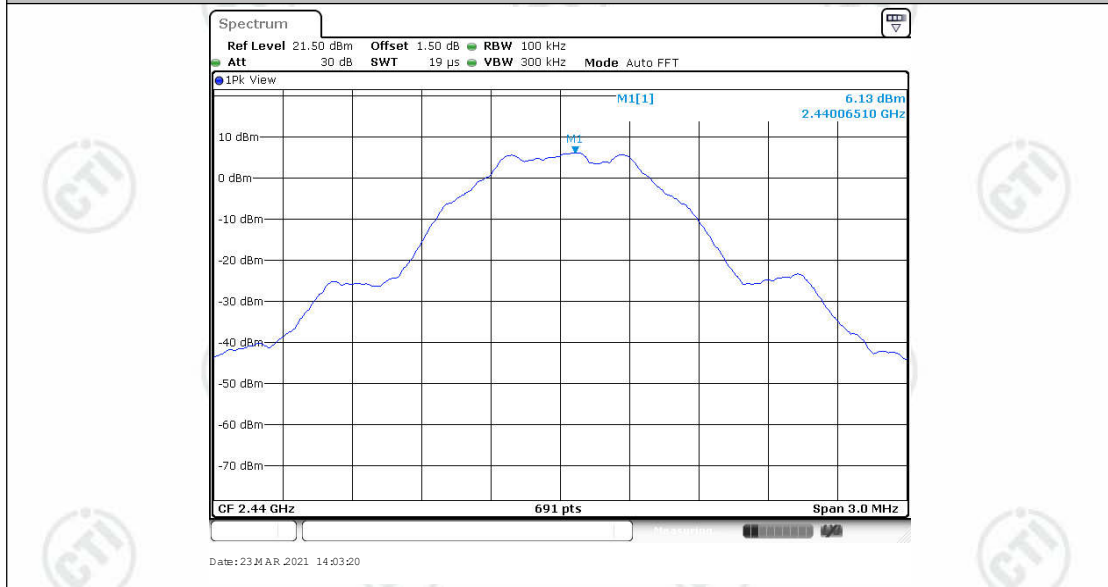
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	6.00	6.00	---	PASS
			30~1000	6.00	-46.36	<=-14	PASS
			1000~26500	6.00	-34.78	<=-14	PASS
		2440	Reference	6.13	6.13	---	PASS
			30~1000	6.13	-50.76	<=-13.87	PASS
			1000~26500	6.13	-32.1	<=-13.87	PASS
		2480	Reference	6.10	6.10	---	PASS
			30~1000	6.10	-61.44	<=-13.9	PASS
			1000~26500	6.10	-29.61	<=-13.9	PASS

Test Graphs

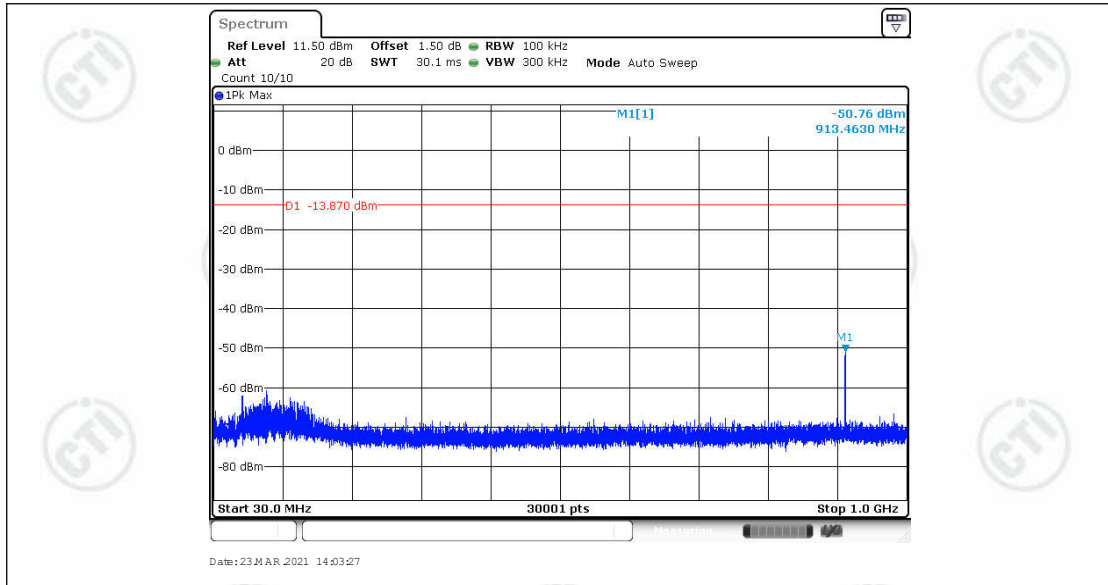




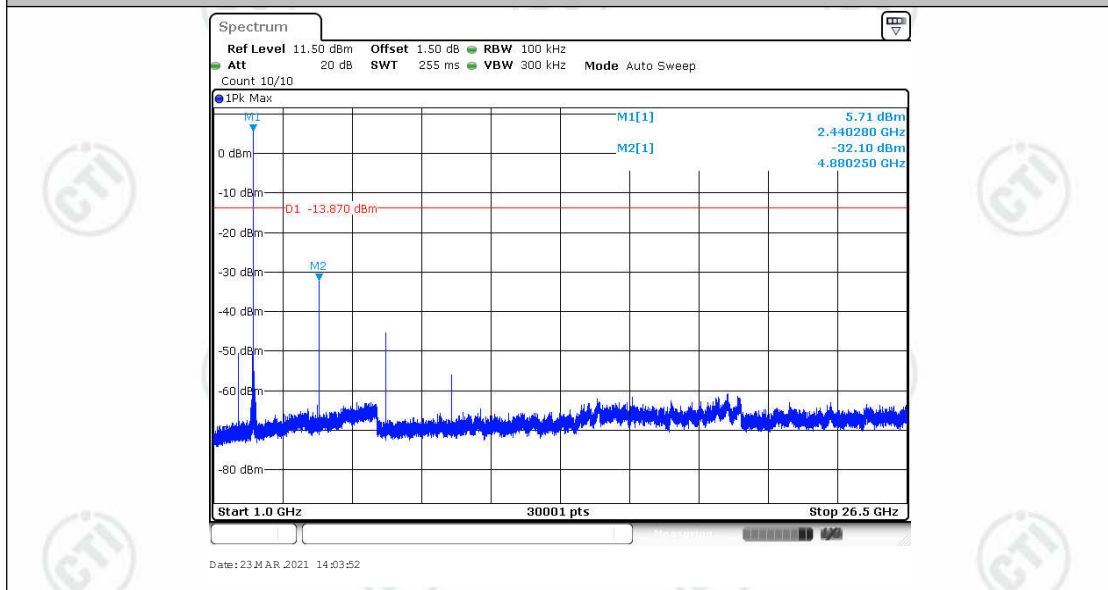
BLE_1M_Ant1_2402_1000~26500



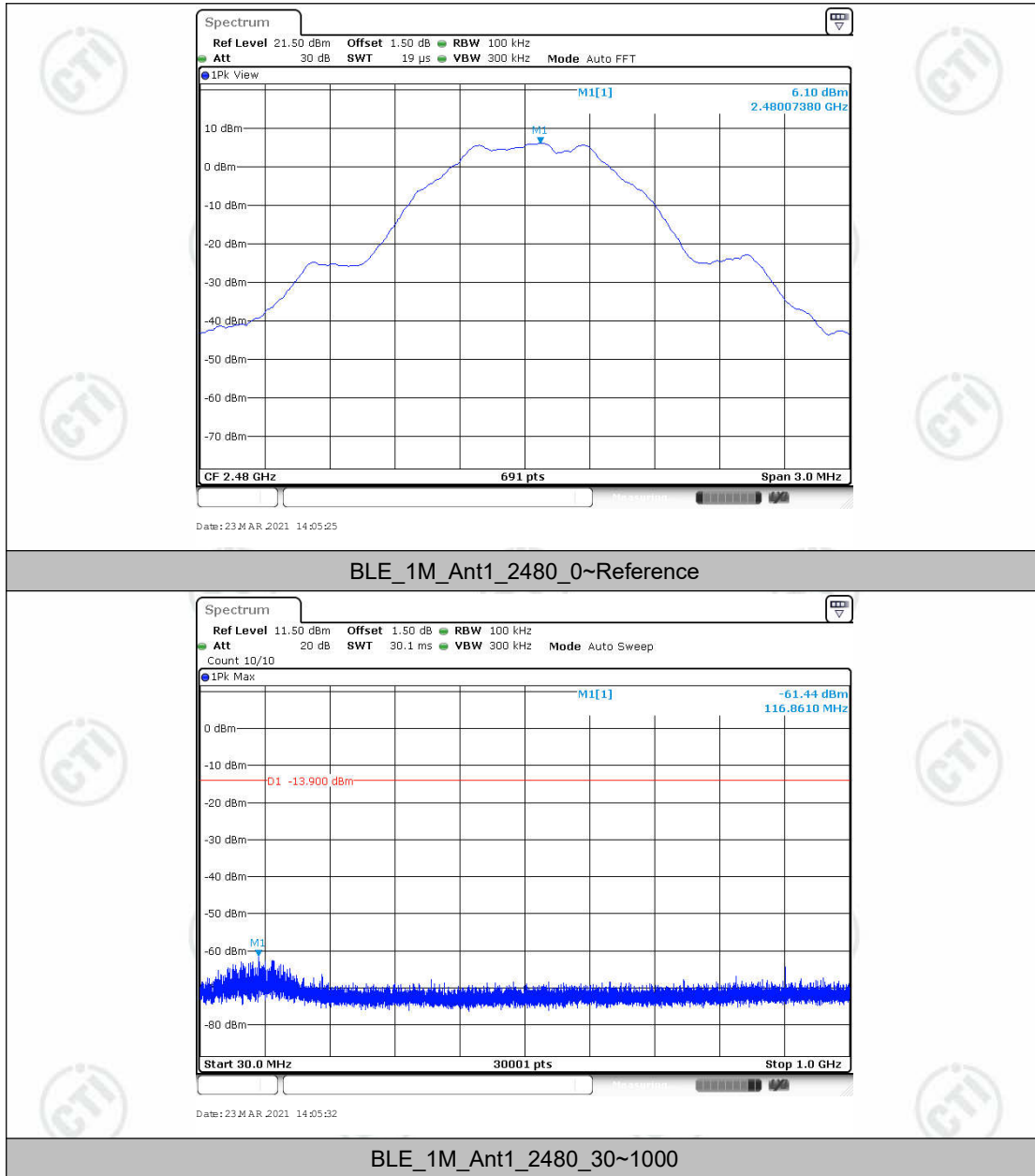
BLE_1M_Ant1_2440_0~Reference

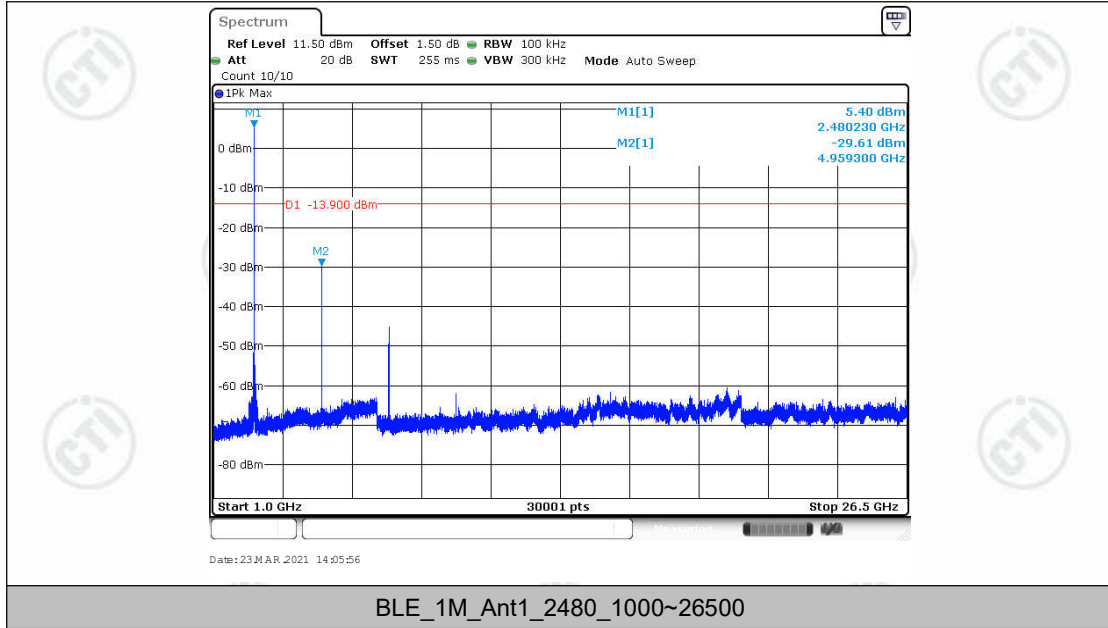


BLE_1M_Ant1_2440_30~1000



BLE_1M_Ant1_2440_1000~26500



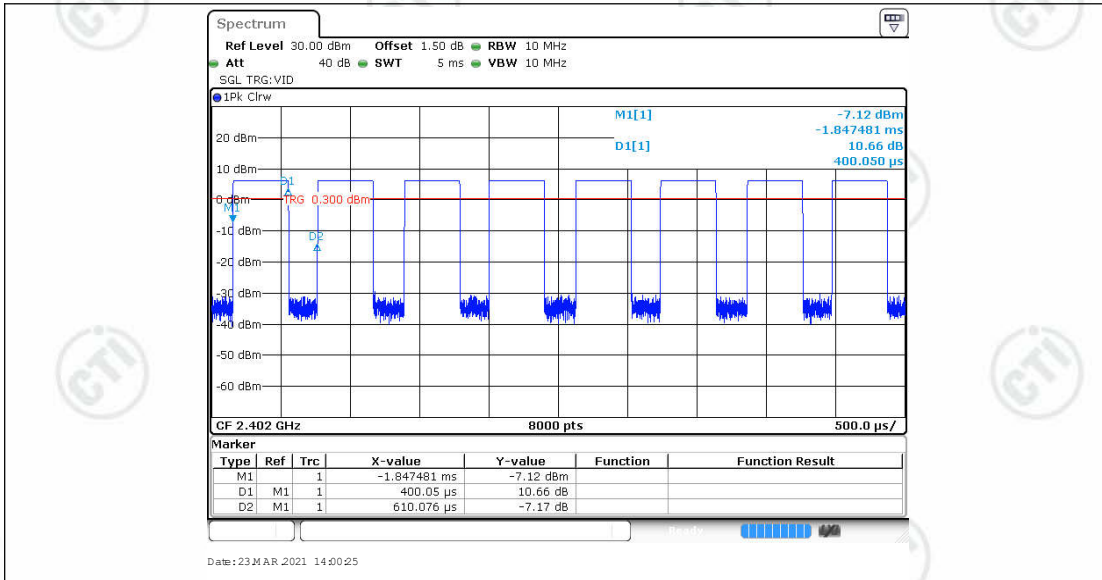


Appendix G: Duty Cycle

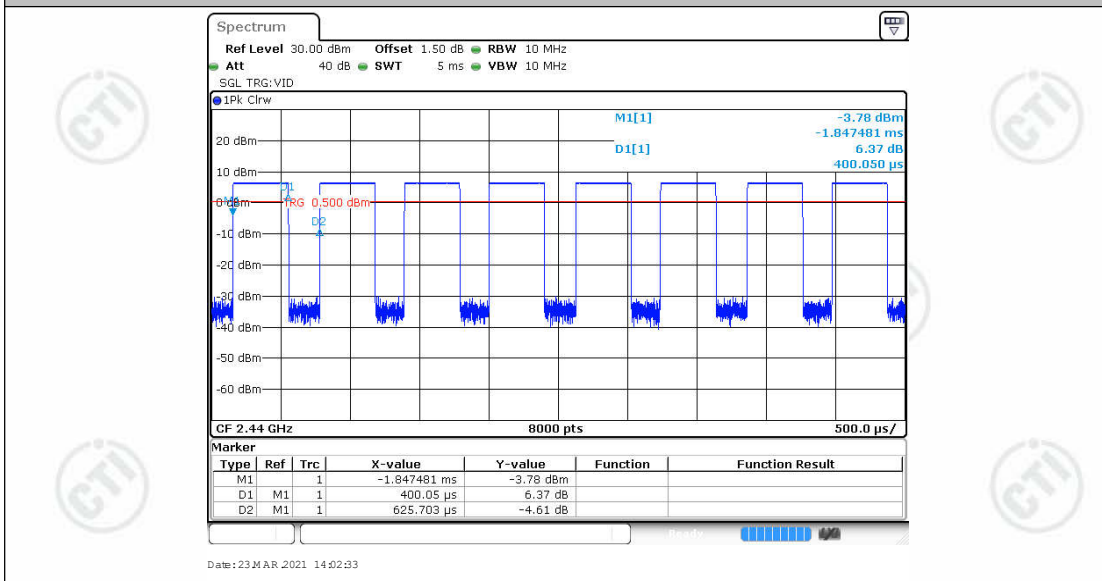
Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.40	0.61	65.57	---	PASS
		2440	0.40	0.63	63.49	---	PASS
		2480	0.40	0.63	63.49	---	PASS

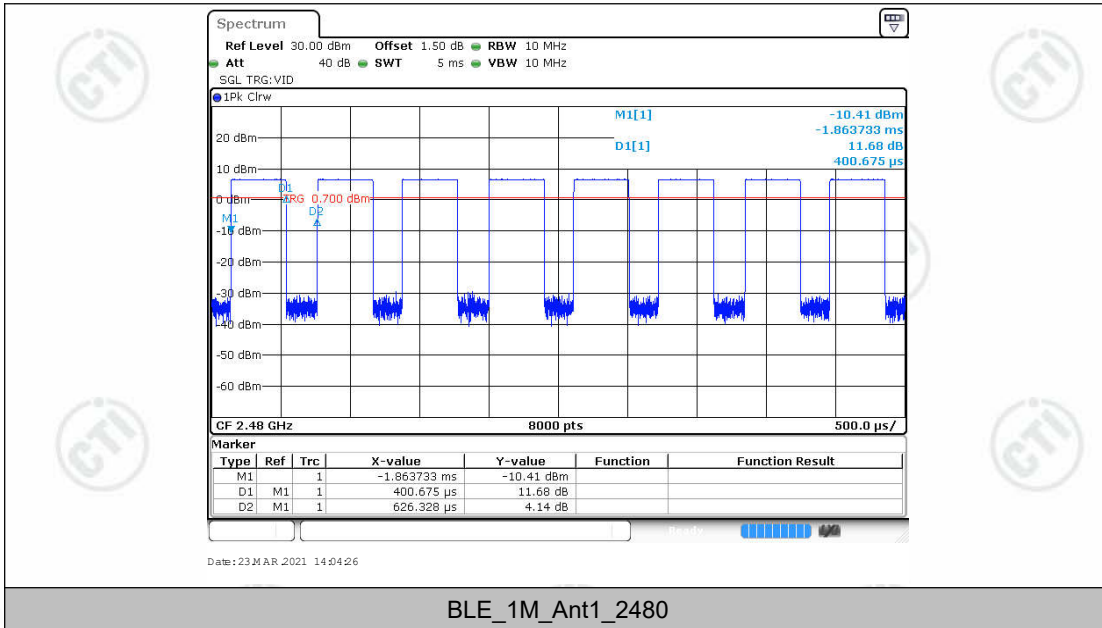
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



*** End of Report ***