

Appendix: Bluetooth LE

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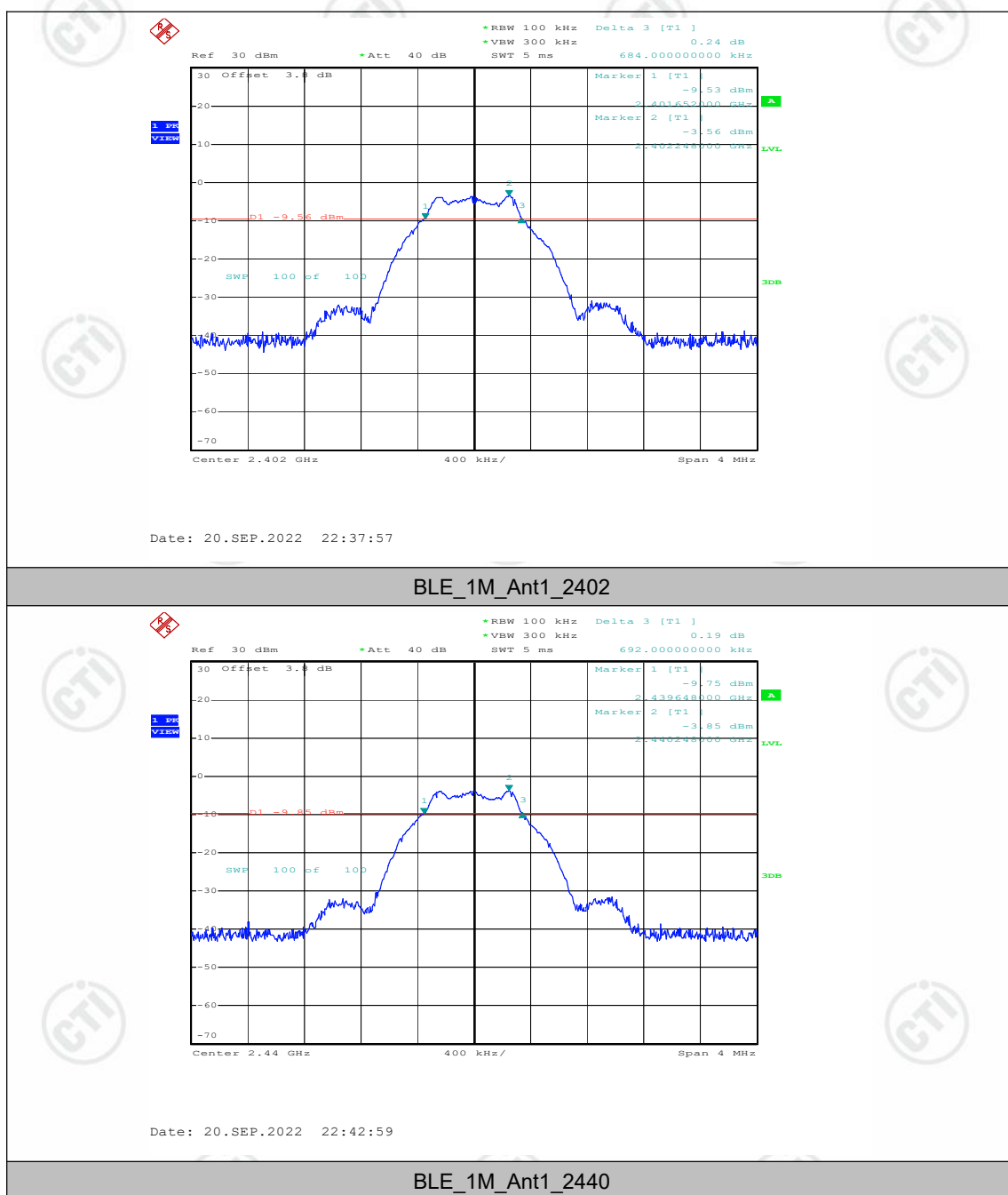
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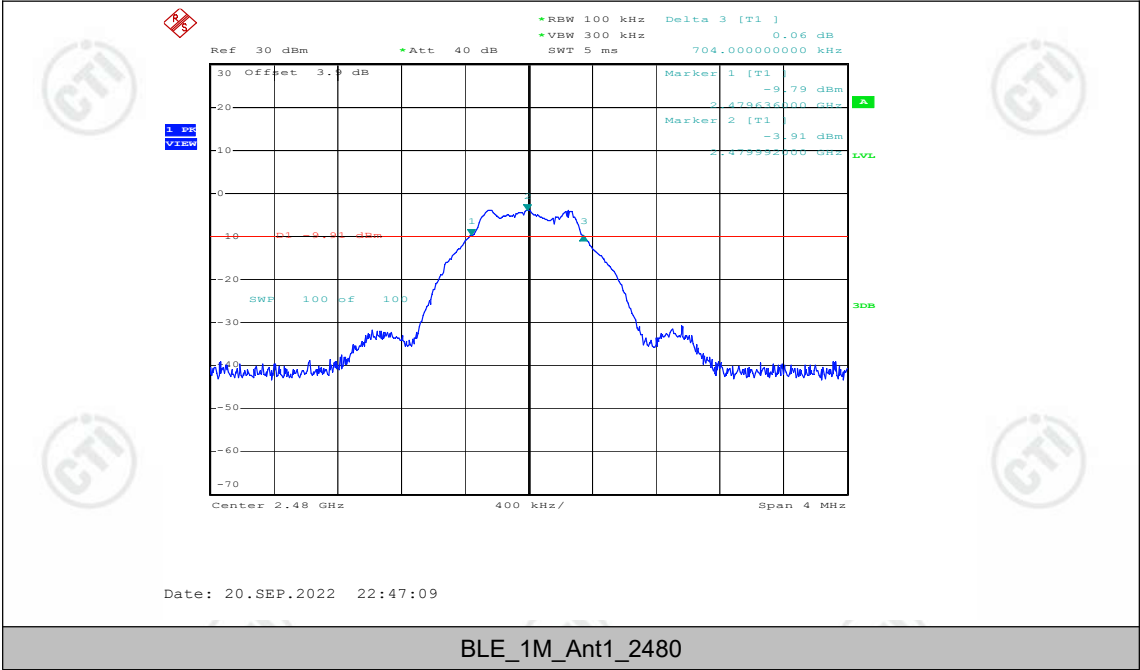
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.65	2402.34	0.5	PASS
		2440	0.69	2439.65	2440.34	0.5	PASS
		2480	0.70	2479.64	2480.34	0.5	PASS

Test Graphs



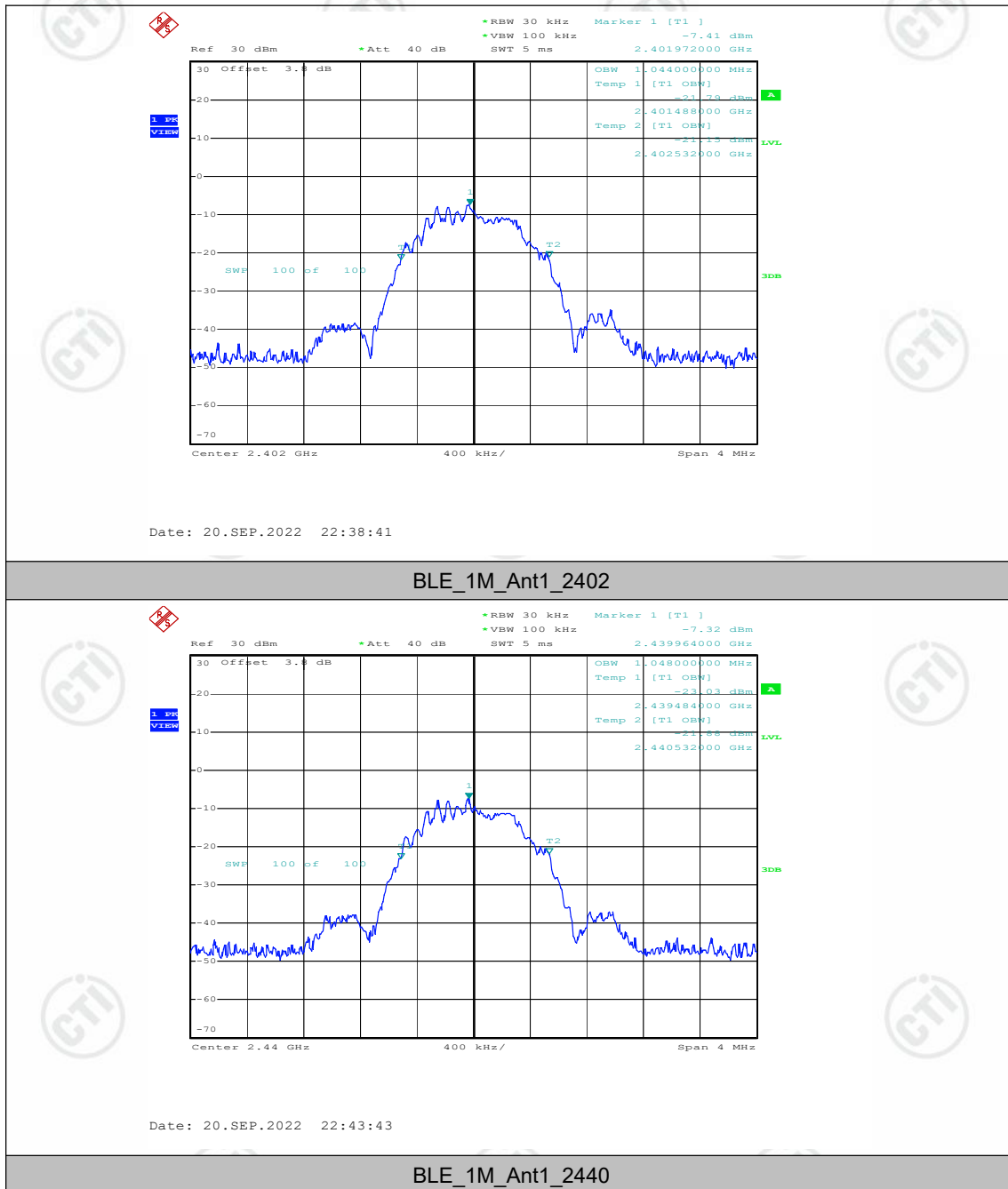


Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.044	0.000	0.000	---	---
		2440	1.048	0.000	0.000	---	---
		2480	1.052	0.000	0.000	---	---

Test Graphs



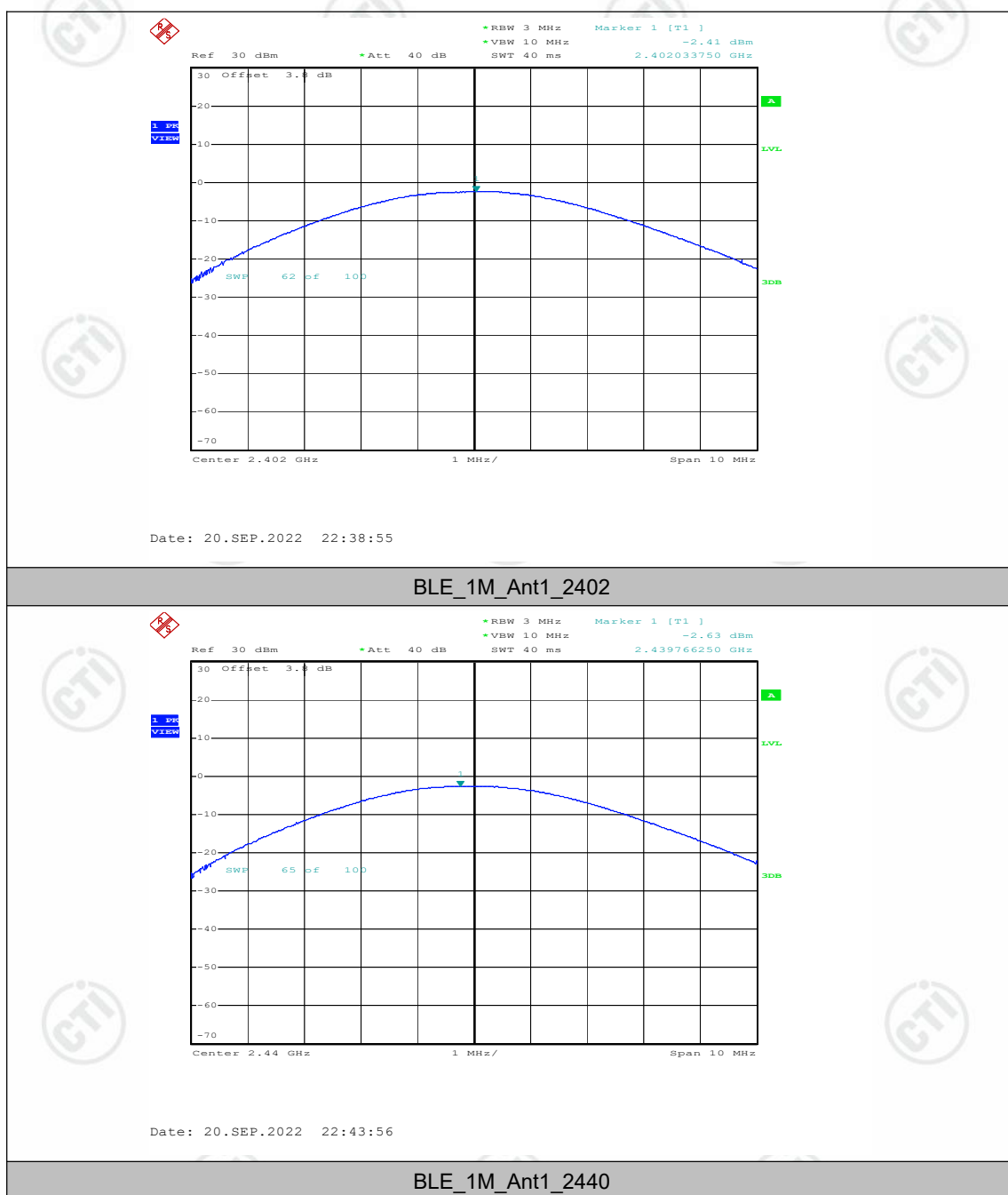


Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.41	≤30	PASS
		2440	-2.63	≤30	PASS
		2480	-2.63	≤30	PASS

Test Graphs



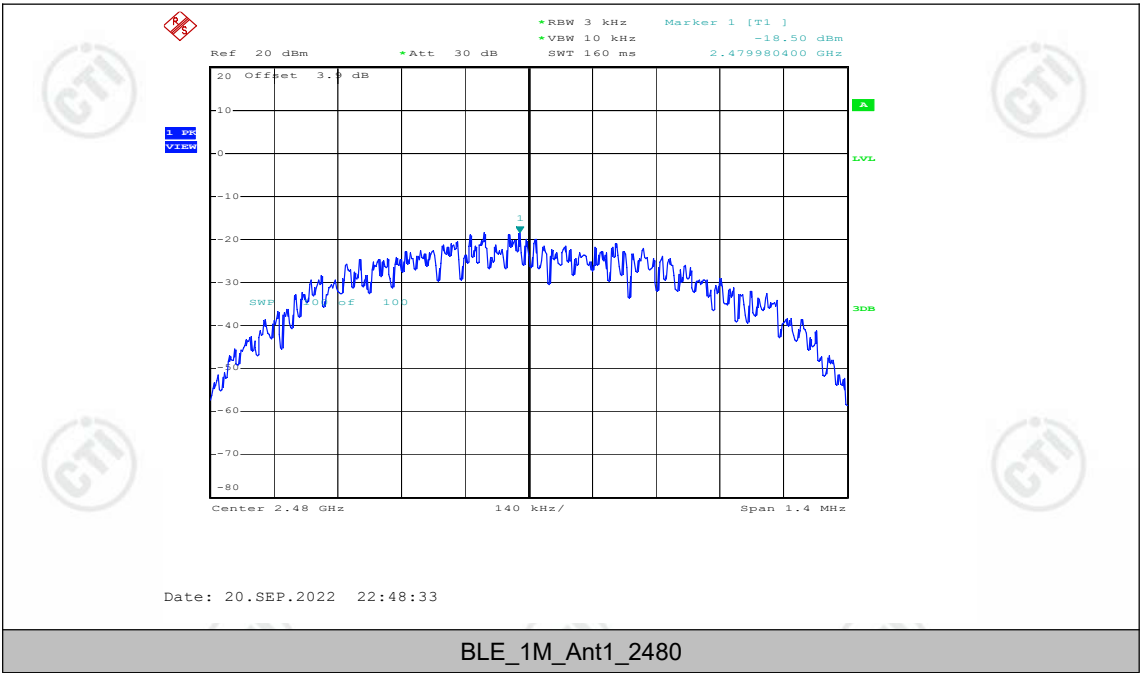


Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.26	≤8.00	PASS
		2440	-18.37	≤8.00	PASS
		2480	-18.5	≤8.00	PASS

BLE_1M_Ant1_2440

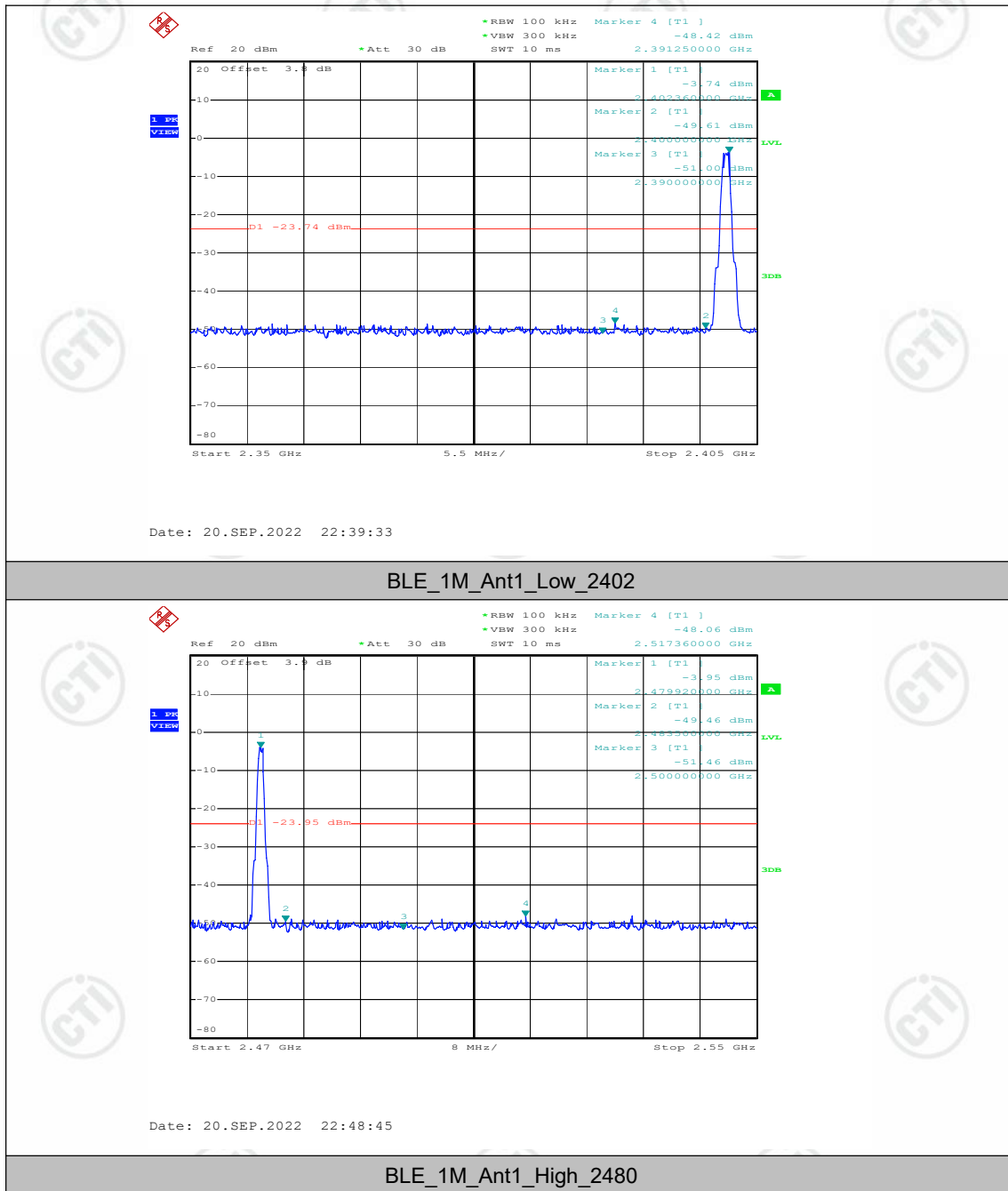


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.74	-48.42	≤-23.74	PASS
		High	2480	-3.95	-48.06	≤-23.95	PASS

Test Graphs

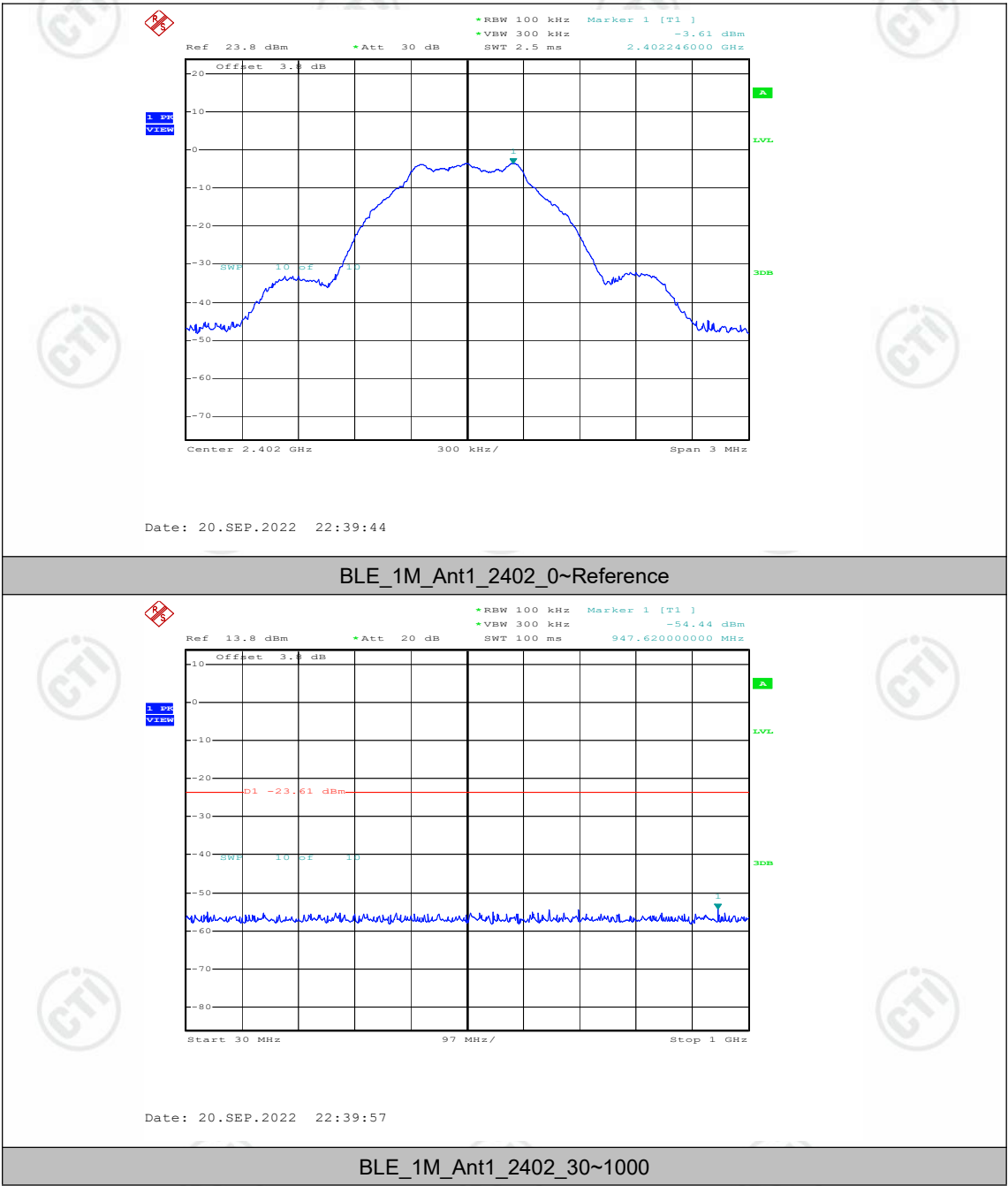


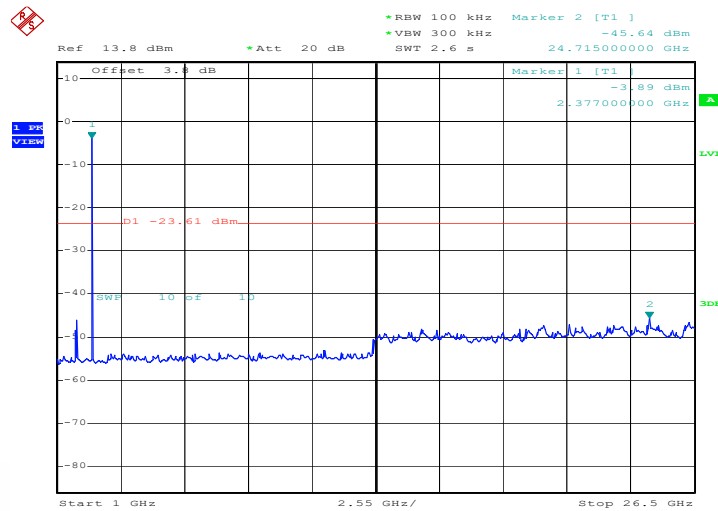
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.61	-3.61	---	PASS
			30~1000	---	-54.44	≤-23.61	PASS
			1000~26500	---	-45.64	≤-23.61	PASS
		2440	Reference	-3.79	-3.79	---	PASS
			30~1000	---	-54.52	≤-23.79	PASS
			1000~26500	---	-46.18	≤-23.79	PASS
		2480	Reference	-3.90	-3.90	---	PASS
			30~1000	---	-54.89	≤-23.9	PASS
			1000~26500	---	-46.6	≤-23.9	PASS

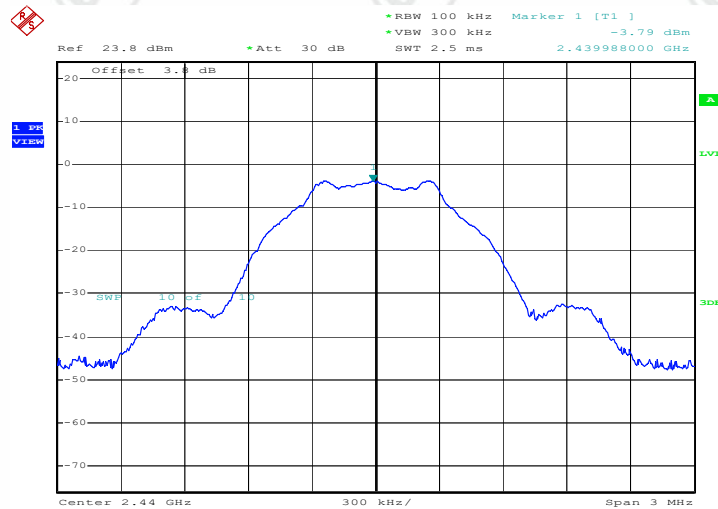
Test Graphs





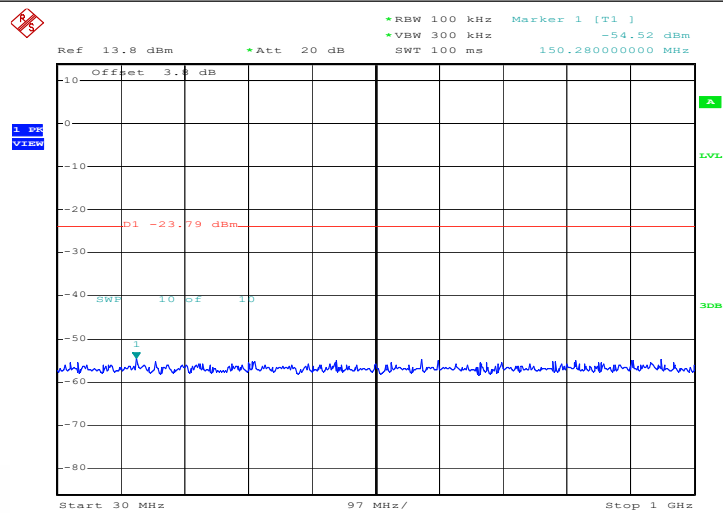
Date: 20.SEP.2022 22:41:42

BLE_1M_Ant1_2402_1000~26500



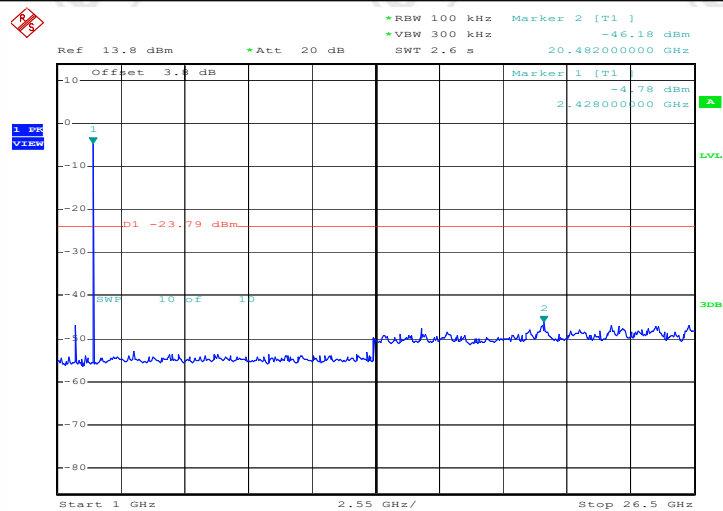
Date: 20.SEP.2022 22:44:32

BLE_1M_Ant1_2440_0~Reference



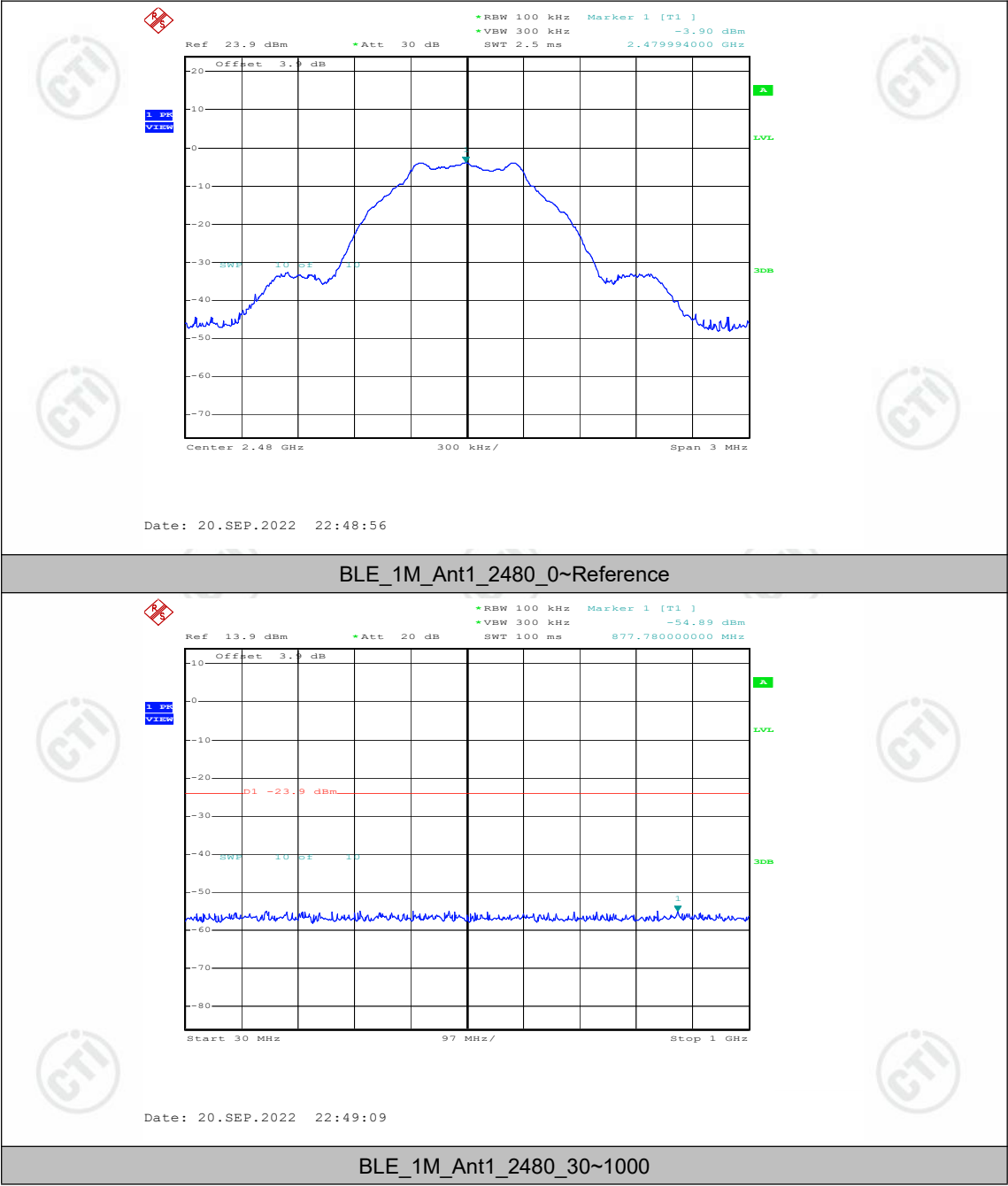
Date: 20.SEP.2022 22:44:45

BLE_1M_Ant1_2440_30~1000



Date: 20.SEP.2022 22:46:30

BLE_1M_Ant1_2440_1000~26500

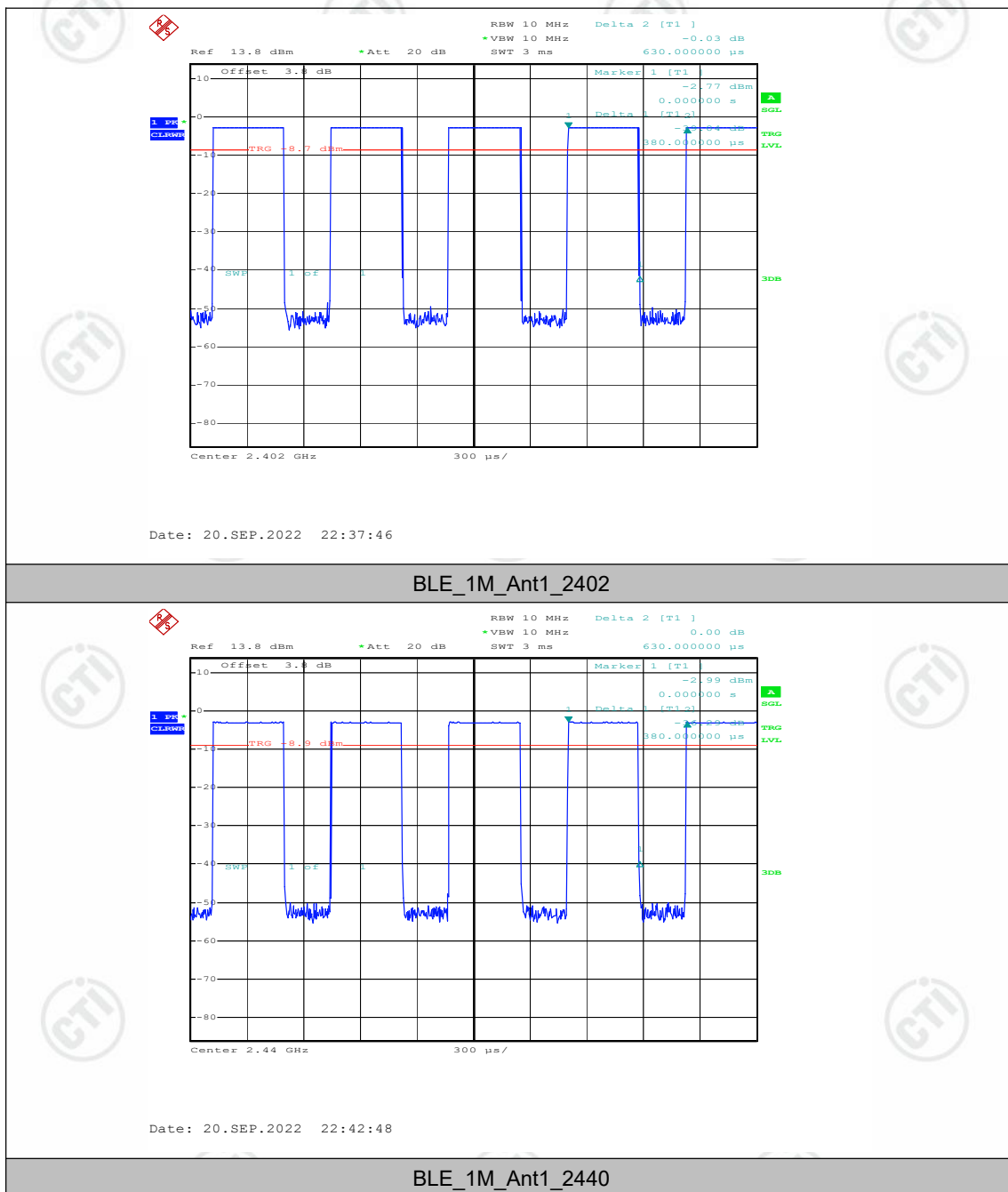


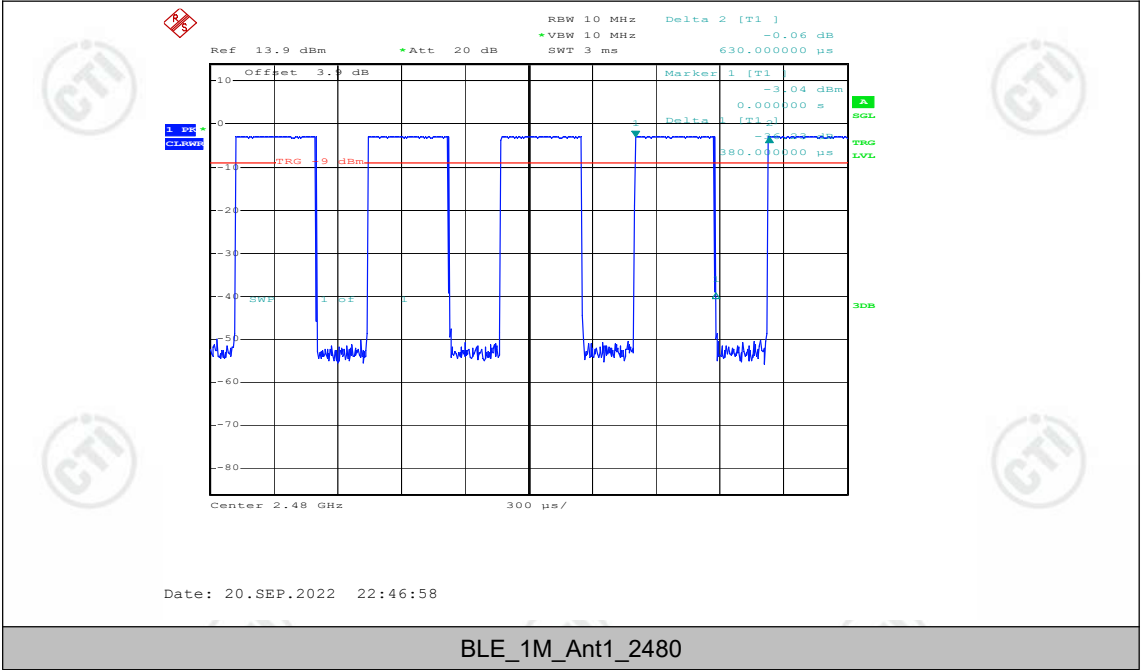
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20

Test Graphs





*** End of Report ***