

Appendix: Bluetooth LE

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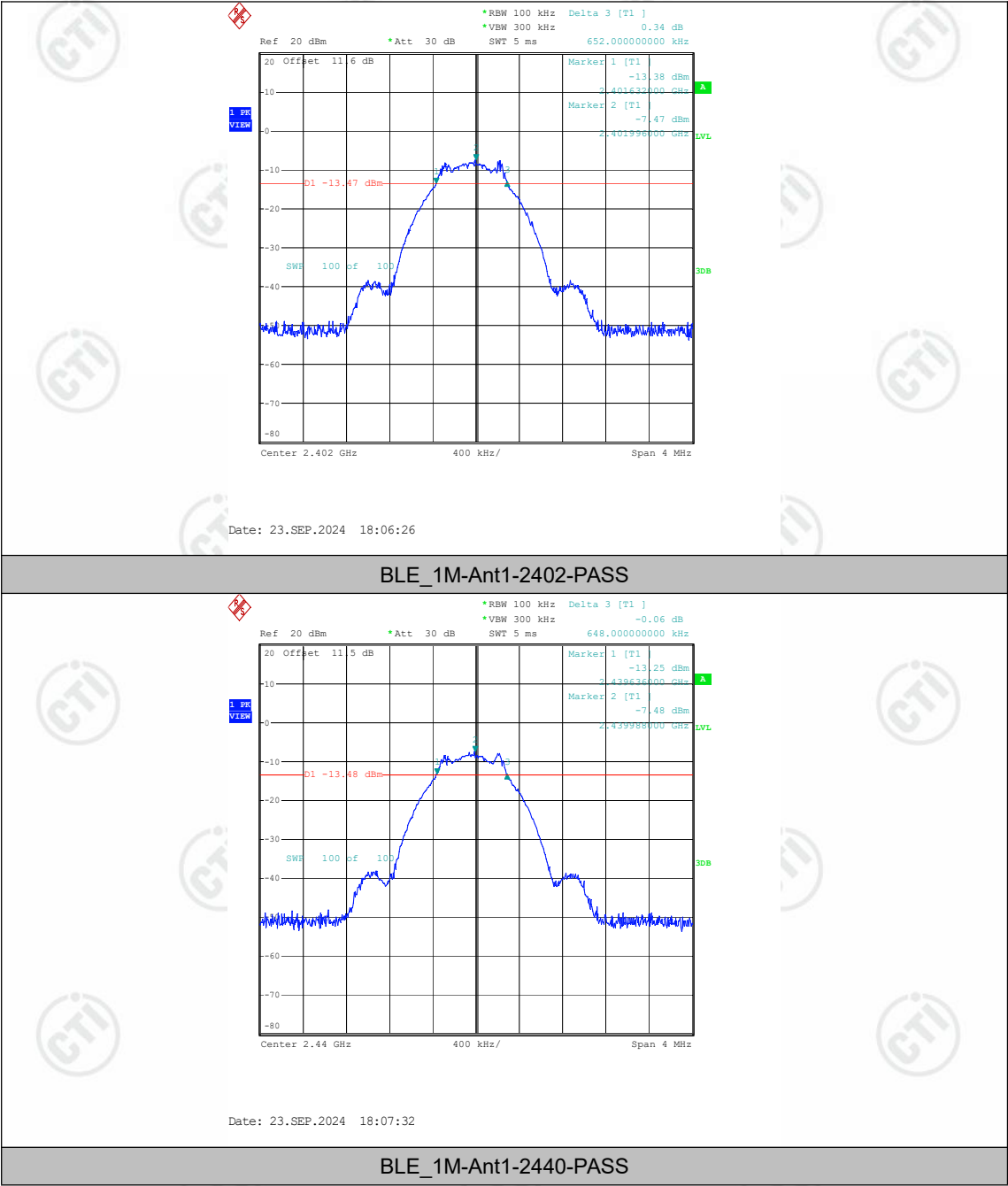
 Test Graphs 24

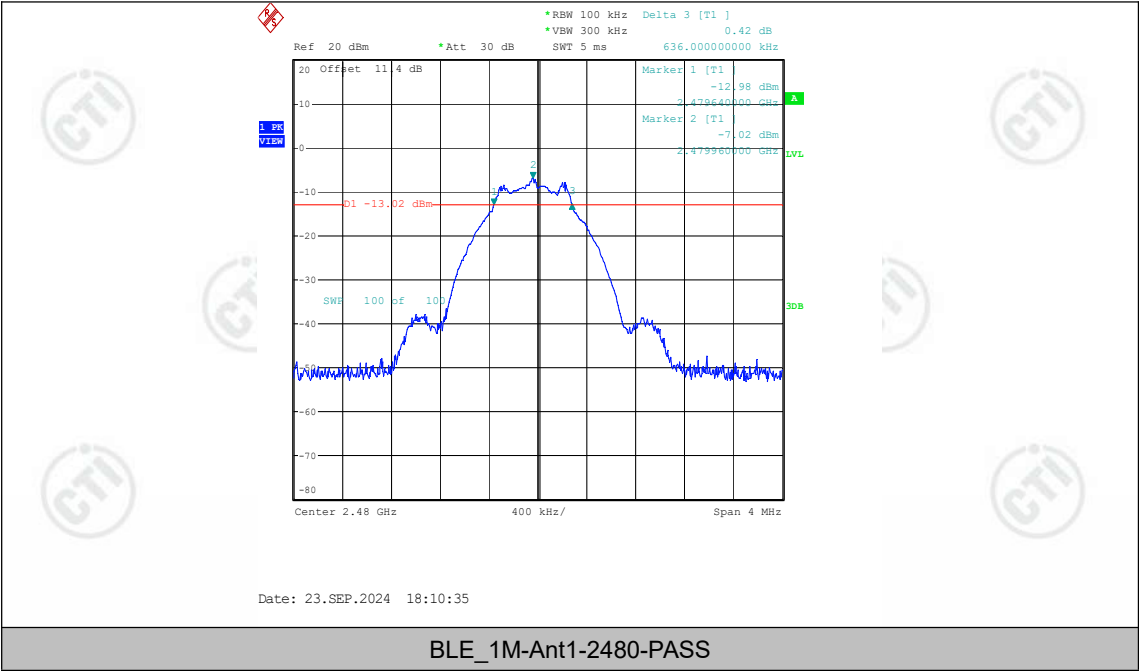
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.65	2401.63	2402.28	0.5	PASS
BLE_1M	Ant1	2440	0.65	2439.64	2440.28	0.5	PASS
BLE_1M	Ant1	2480	0.64	2479.64	2480.28	0.5	PASS

Test Graphs

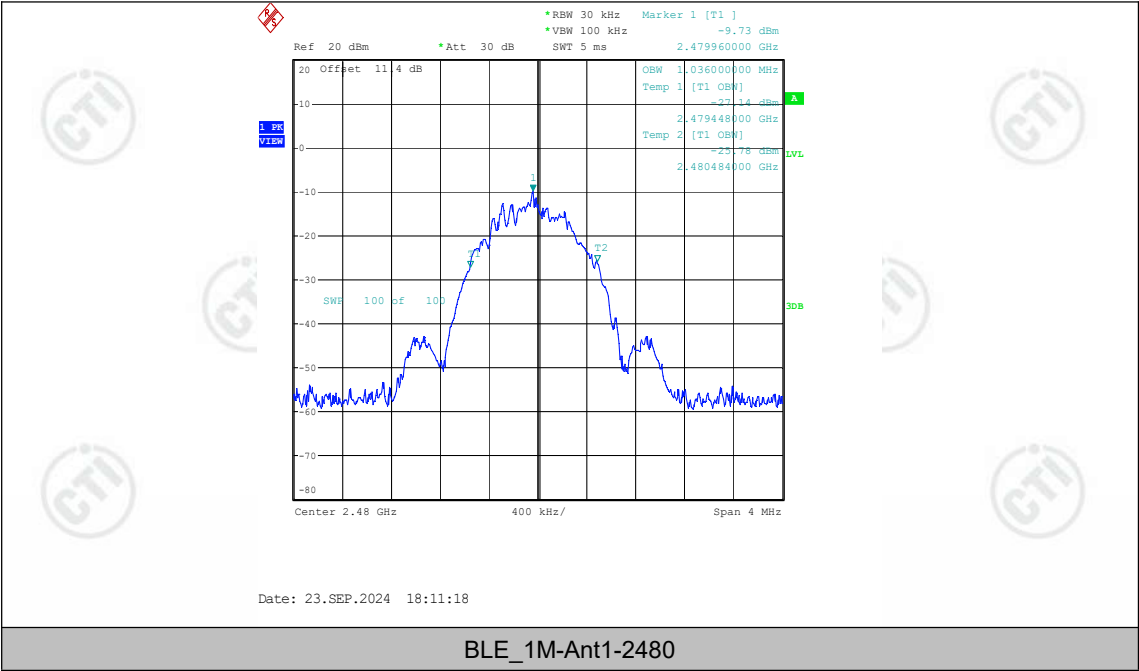




Appendix B: Occupied Channel Bandwidth

Test Result

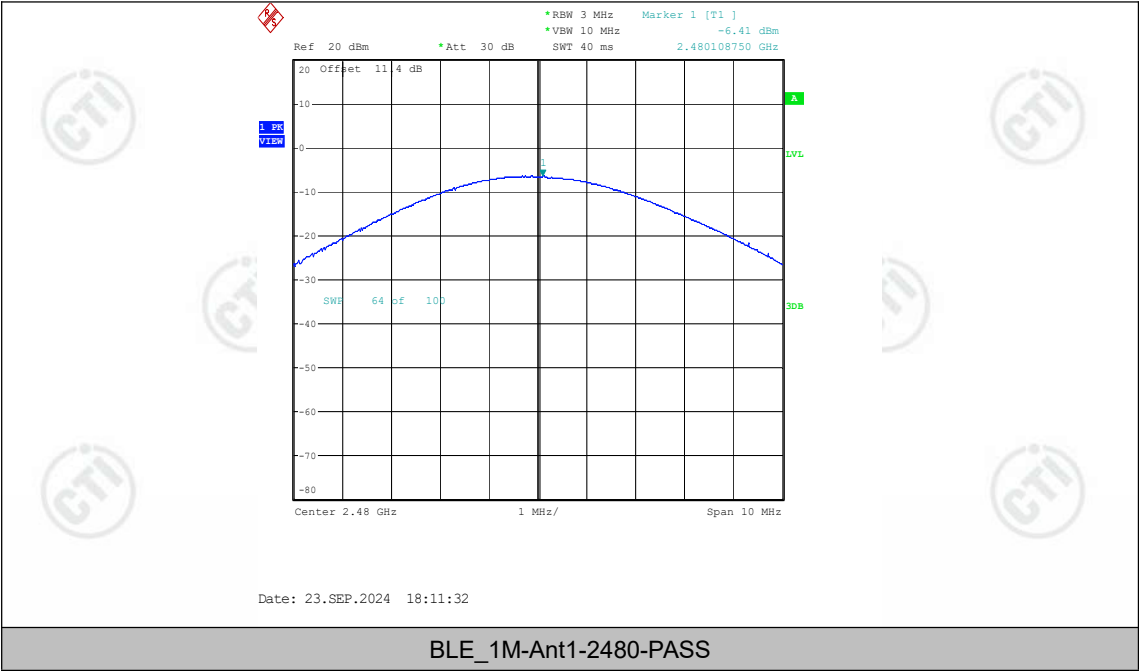
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.04	0.0000	0.0000	---	---
BLE_1M	Ant1	2440	1.04	0.0000	0.0000	---	---
BLE_1M	Ant1	2480	1.036	0.0000	0.0000	---	---



Appendix C: Maximum conducted output power

Test Result Peak

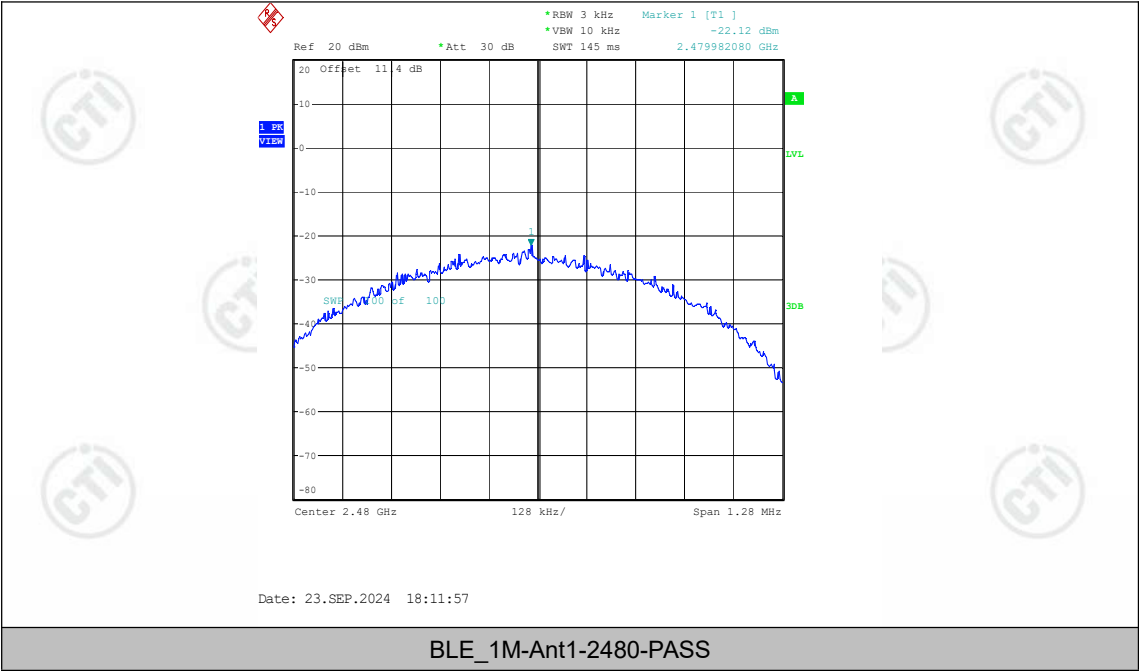
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-6.34	≤30	PASS
BLE_1M	Ant1	2440	-6.42	≤30	PASS
BLE_1M	Ant1	2480	-6.41	≤30	PASS



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-22.09	≤8.00	PASS
BLE_1M	Ant1	2440	-22.06	≤8.00	PASS
BLE_1M	Ant1	2480	-22.12	≤8.00	PASS



Appendix E: Band edge measurements

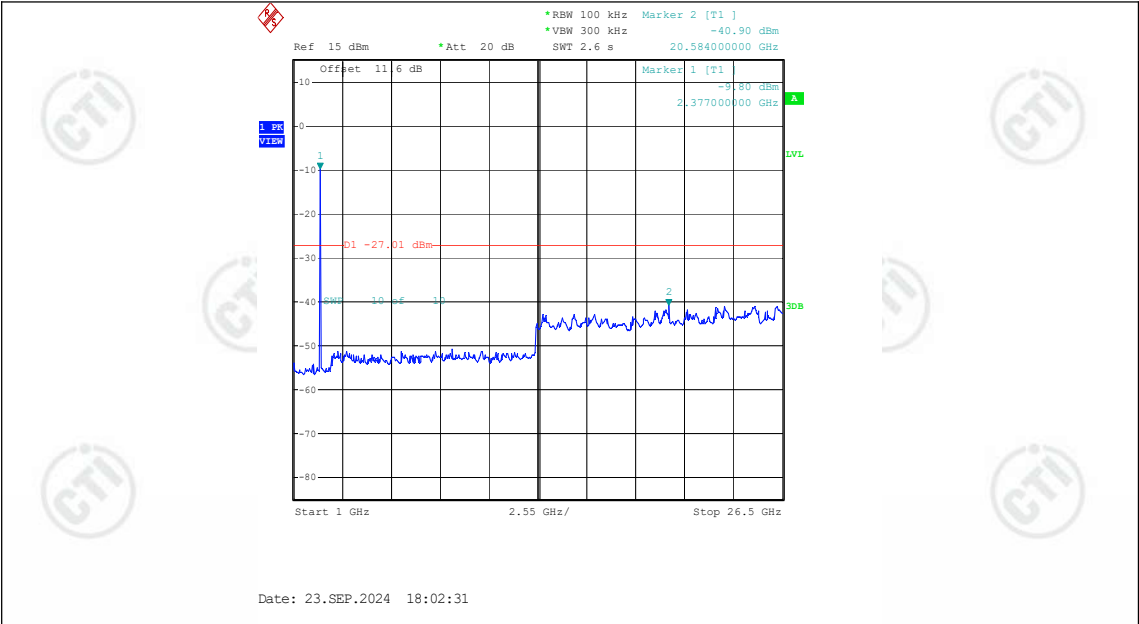
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-7.31	-47.33	≤-27.31	PASS
BLE_1M	Ant1	High	2480	-7.87	-47.94	≤-27.87	PASS

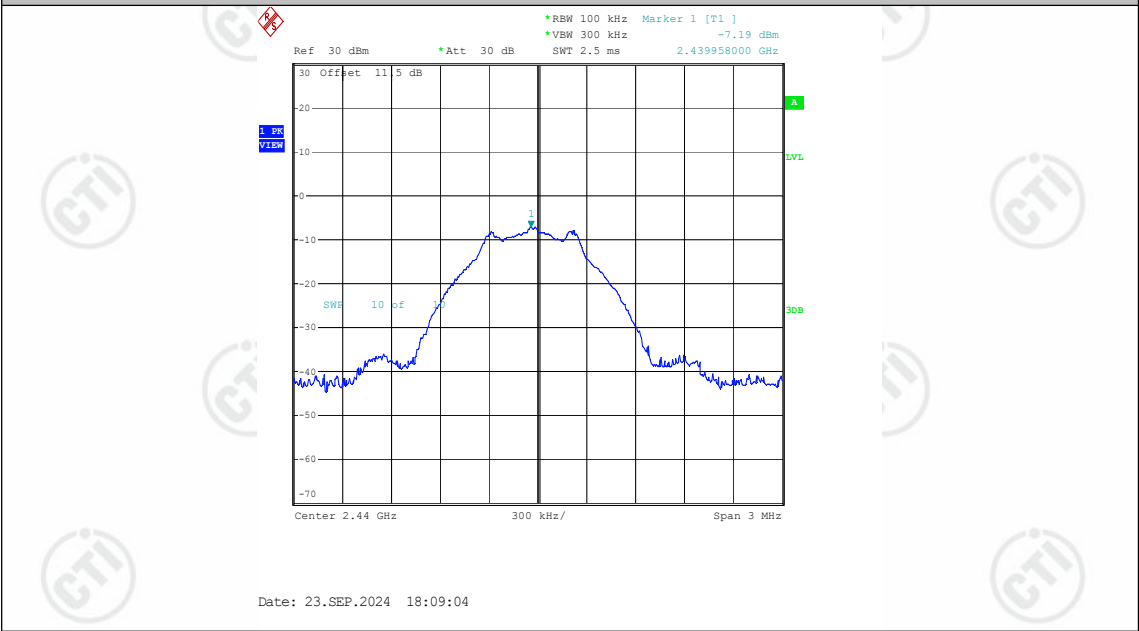
Appendix F: Conducted Spurious Emission

Test Result

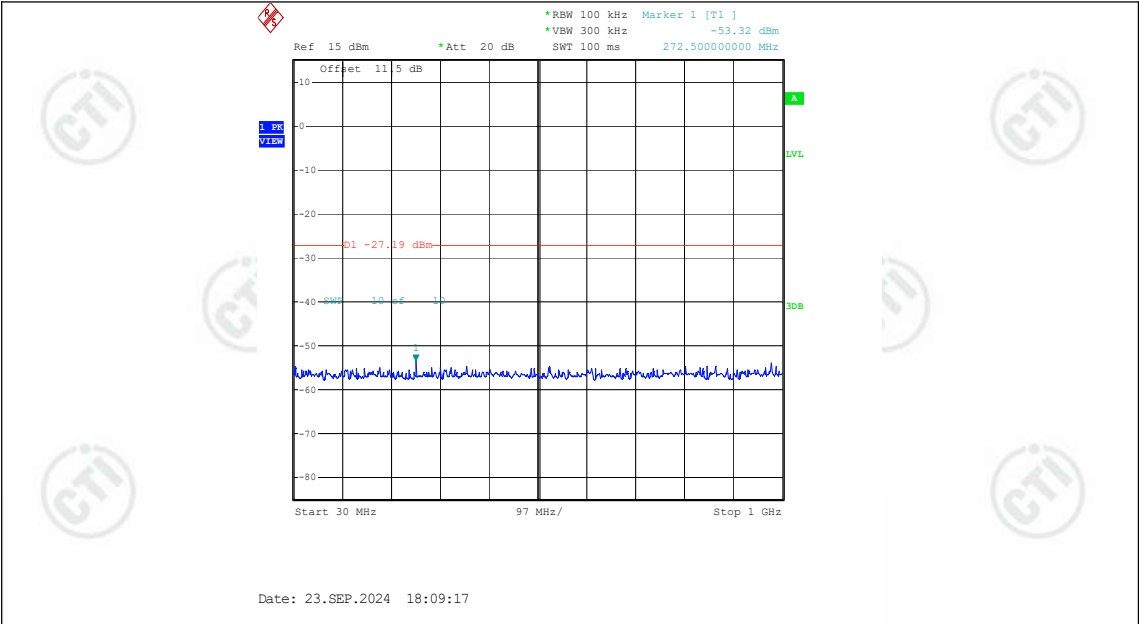
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-7.01	-7.01	---	PASS
BLE_1M	Ant1	2402	30~1000	-7.01	-54.19	≤-27.01	PASS
BLE_1M	Ant1	2402	1000~26500	-7.01	-40.9	≤-27.01	PASS
BLE_1M	Ant1	2440	0~Reference	-7.19	-7.19	---	PASS
BLE_1M	Ant1	2440	30~1000	-7.19	-53.32	≤-27.19	PASS
BLE_1M	Ant1	2440	1000~26500	-7.19	-40.86	≤-27.19	PASS
BLE_1M	Ant1	2480	0~Reference	-7.23	-7.23	---	PASS
BLE_1M	Ant1	2480	30~1000	-7.23	-53.61	≤-27.23	PASS
BLE_1M	Ant1	2480	1000~26500	-7.23	-40.58	≤-27.23	PASS



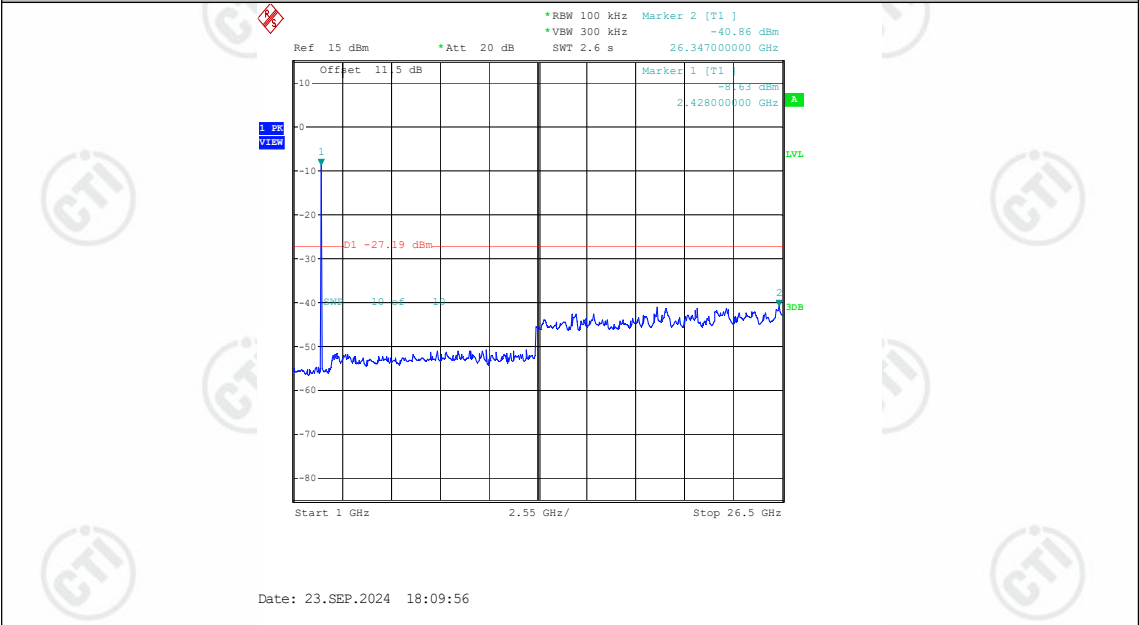
BLE_1M-Ant1-2402-1000~26500-PASS



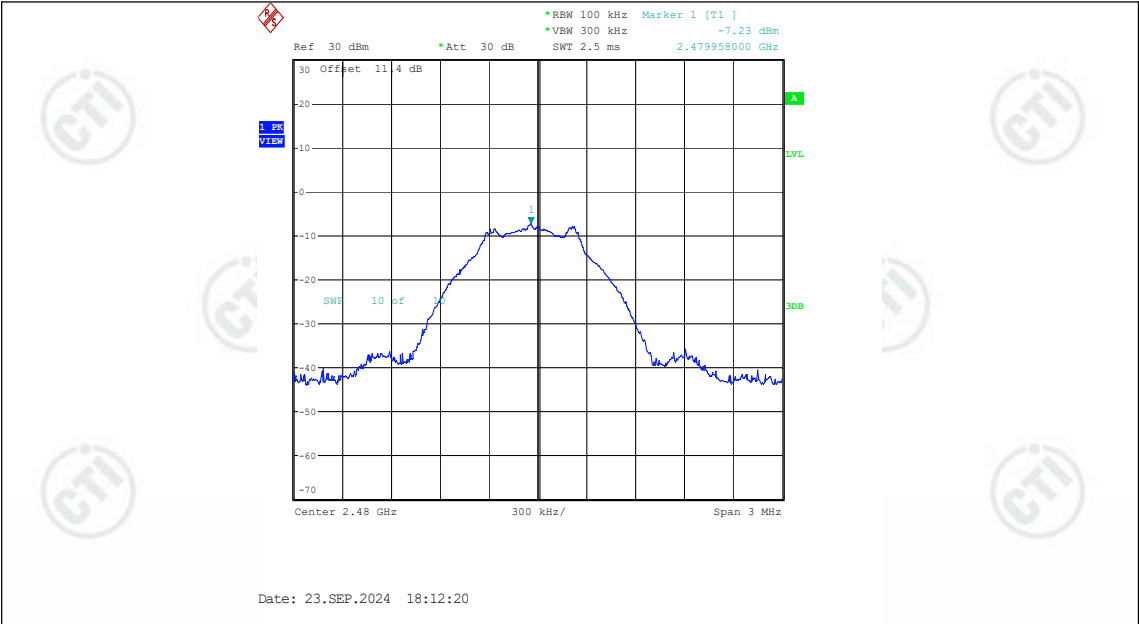
BLE_1M-Ant1-2440-0~Reference-PASS



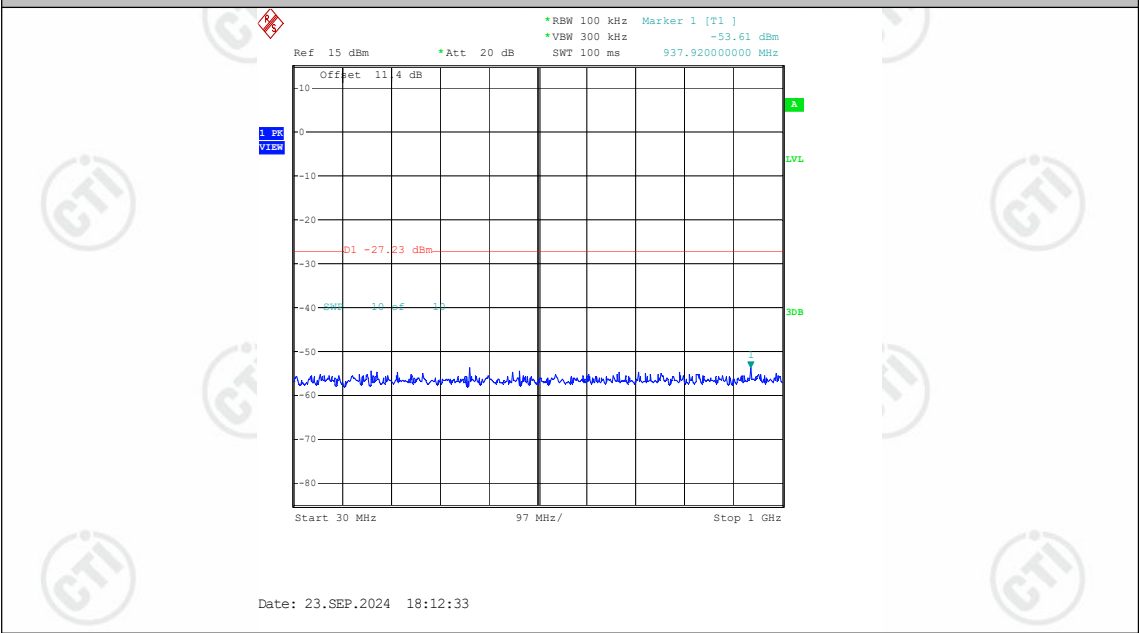
BLE_1M-Ant1-2440-30~1000-PASS



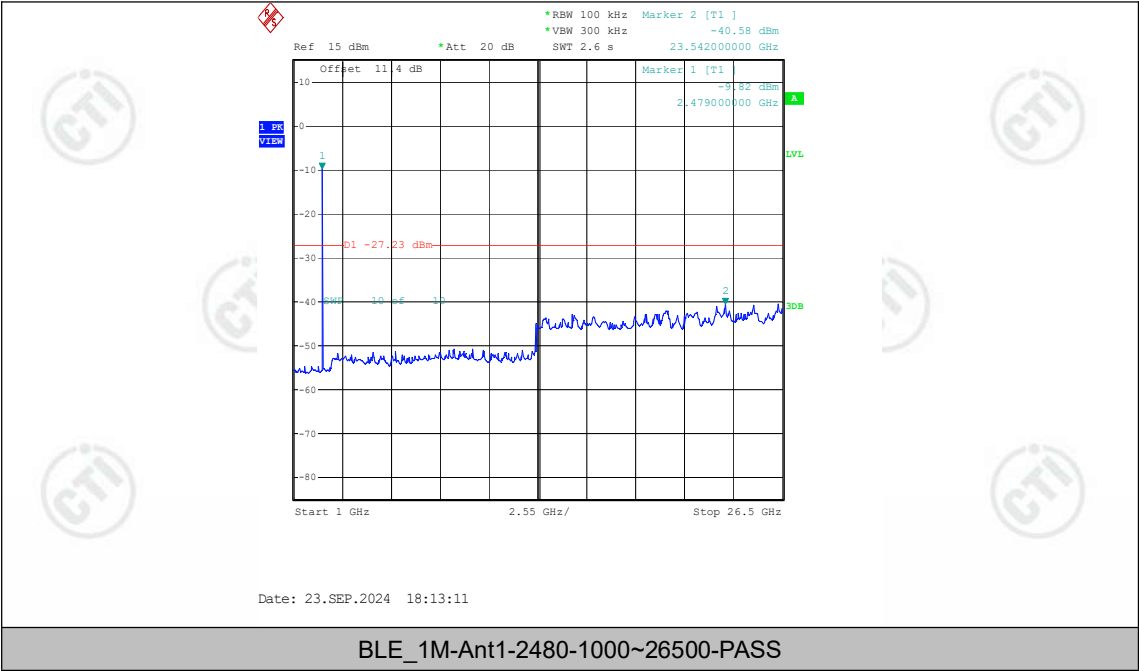
BLE_1M-Ant1-2440-1000~26500-PASS



BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



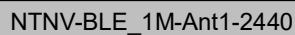
Appendix G: Duty Cycle

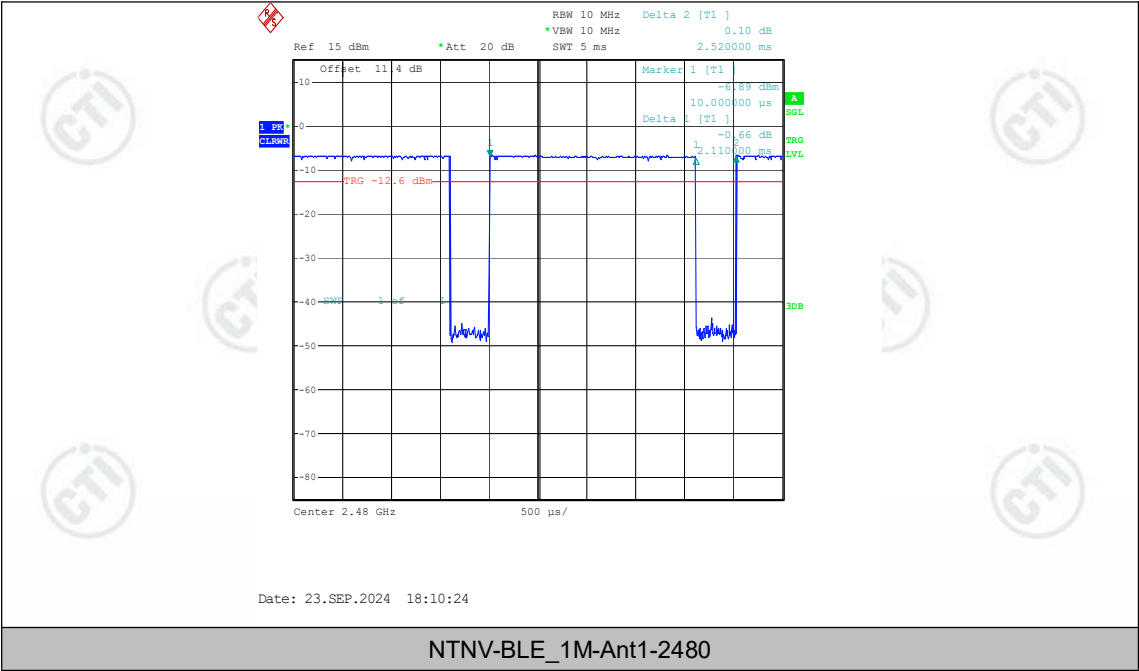
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.11	2.52	83.73	0.77
BLE_1M	Ant1	2440	2.11	2.52	83.73	0.77
BLE_1M	Ant1	2480	2.11	2.52	83.73	0.77

Note:Duty Cycle Factor[dB]=-10*Ig(Duty Cycle);

NTNV-BLE_1M-Ant1-2402





END OF REPORT