

DIN CEN/TS 18078:2024-12 (E)

Electronic fee collection - Measurement of interferences on tolling and tachograph devices from radio local area network devices operating in the 5,8 GHz frequency range - Test suite structure and test purposes; English version CEN/TS 18078:2024

Contents	Page
European foreword	4
Introduction.....	5
1 Scope	7
2 Normative references	7
3 Terms and definitions.....	7
4 Abbreviated terms	8
5 Interference tests on couples of interacting devices.....	9
5.1 Generalities	9
5.1.1 Regulations.....	9
5.2 Victim functions and devices	10
5.2.1 Tolling	10
5.2.2 Remote tachograph interrogation	10
5.3 Admitted combinations of devices.....	12
5.4 Interfering RLAN devices	12
5.4.1 Standards	12
5.4.2 Interferers	12
6 Test setup	13
6.1 General setup.....	13
6.2 Interferer	15
6.3 Measuring interferences	16
6.3.1 Acceptable interference.....	16
6.3.2 Test requirements for interference to the OBE.....	16
6.3.3 Test requirements for interference to the RSE	17
7 Test suite structure.....	19
7.1 Interfaces	19
7.1.1 Obe interface.....	19
7.1.2 Rse interface	19
7.2 Test transaction application	19
7.3 Logfile application	20
7.3.1 General.....	20
7.3.2 RSE logfile information	20
7.3.3 OBE logfile information	21
8 Test purposes.....	22
8.1 Generalities	22
8.2 Test purposes summary	22
8.3 Naming and format of test purposes	23
8.3.1 Naming.....	23
8.3.2 Format.....	23
8.4 Interferer towards the OBE	23

8.4.1	Test setup	23
8.4.2	Interference power level limit	24
8.4.3	Interferer timing	28
8.5	Interferer towards the RSE	30
8.5.1	Test setup	30
8.5.2	Interference power level limit	30
8.5.3	Interferer timing	31
	Bibliography	32