

7layers GmbH

Current Standards under flexible Accreditation

Accreditation Certificates:	D-PL-12140-01-0	2025-12-08
	D-PL-12140-01-01	2025-12-08
	D-PL-12140-01-02	2025-12-08
	D-PL-12140-01-03	2025-12-08
	D-PL-12140-01-04	2025-12-08
	D-PL-12140-01-05	2025-12-08

Creation Date: 2026-04-13

7layers GmbH
Borsigstrasse 11
40880 Ratingen, Germany
T +49 (0) 2102 749 0
F +49 (0) 2102 749 350
<http://www.7Layers.com>

Geschäftsführer/
Managing Director:
Jörg-Timm Kilisch
Bernhard Retka

Registergericht/registered:
Düsseldorf, HRB 75554
USt-Id.-Nr./VAT No.: DE 203159652
Steuer-Nr./TAX No. 147/5869/0385

*a Bureau Veritas
Group Company*
www.7layers.com

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 301 419-1	V4.1.1 Digital cellular telecommunications system (Phase 2); Attachment requirements for Global System for Mobile communications (GSM); Part 1: Mobile stations in the GSM 900 and DCS 1 800 bands; Access (GSM 13.01 version 4.1.1)	(2000-04)
ETSI EN 301 419-2	V5.1.1 Digital cellular telecommunications system (Phase 2+); Attachment requirements for Global System for Mobile communications (GSM); High Speed Circuit Switched Data (HSCSD) Multislot Mobile Stations; Access (GSM 13.34 version 5.1.1 Release 1996)	(2000-04)
ETSI EN 301 419-3	V5.0.2 Digital cellular telecommunications system (Phase 2+); Attachment requirements for Global System for Mobile communications (GSM); Advanced Speech Call Items (ASCI); Mobile Stations; Access (GSM 13.68 version 5.0.2 Release 1996)	(1999-11)
ETSI EN 301 419-7	V5.1.1 Digital cellular telecommunications system (Phase 2+); Attachment requirements for Global System for Mobile communications (GSM); Railways Band (R-GSM); Mobile Stations; Access (GSM 13.67 version 5.1.1 Release 1996)	(2000-08)
ETSI EN 301 420	V4.0.1 Digital cellular telecommunications system (Phase 2); Attachment requirements for Global System for Mobile communications (GSM); Mobile stations in the DCS 1 800 band and additional GSM 900 band; Telephony (GSM 13.02 version 4.0.1)	(1999-12)
ETSI EN 301 511	V12.5.1 Global System for Mobile communications (GSM); Mobile Stations (MS) equipment; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	(2017-03)
3GPP TS 51.010-1	V13.14.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 1: Conformance specification (Release 13	(2024-03)

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI TS 151 010-1	V13.13.0 Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) conformance specification; Part 1: Conformance specification (3GPP TS 51.010-1 version 13.13.0 Release 13)	(2022-05)
3GPP TS 51.010-2	V13.16.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) Proforma specification (Release 13)	(2024-03)
ETSI TS 151 010-2	V13.16.0 Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification (3GPP TS 51.010-2 version 13.16.0 Release 13)	(2024-05)
3GPP TS 51.010-4	V18.0.0 3rd Generation Partnership Project; Technical Specification Group Core Network and Terminals; Mobile Station (MS) conformance specification; Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (Release 18)	(2024-04)
ETSI TS 151 010-4	V17.0.0 Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) conformance specification; Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (3GPP TS 51.010-4 version 17.0.0 Release 17)	(2022-04)
3GPP TS 51.010-5	V10.21.0 3rd Generation Partnership Project; Technical Specification Group GSM/EDGE Radio Access Network; Mobile Station (MS) conformance specification; Part 5: Inter-Radio-Access-Technology (RAT) (GERAN / UTRAN) interaction Abstract Test Suite (ATS) (Release 10)	(2024-03)
ETSI TS 151 010-5	V10.20.0 Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) conformance specification; Part 5: Inter-Radio-Access-Technology (RAT) (GERAN / UTRAN) interaction Abstract Test Suite (ATS) (3GPP TS 51.010-5 version 10.20.0 Release 10)	(2023-10)

1.1 TK / Mobile Communications

Standard	Version	Version Date
Test Area Reduction	Title	
PTCRB Bearer-Agnostic TTY Test Specification RFT 062	V2.0 PTCRB Bearer-Agnostic TTY Test Specification	(2013-08-06)
ETSI EN 301 908-1	V15.2.1 IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Introduction and common requirements	(2023-01)
ETSI EN 301 908-2	V13.1.1 IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 2: CDMA Direct Spread (UTRA FDD) User Equipment (UE)	(2020-06)
ETSI EN 301 908-13	V13.3.1 IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)	(2024-10)
3GPP TS 25.101	V18.0.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; User Equipment (UE) radio transmission and reception (FDD) (Release 18)	(2024-03)
3GPP TS 26.131	V18.1.0 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Terminal acoustic characteristics for telephony; Requirements (Release 18)	(2024-03)
3GPP TS 26.132	V18.2.0 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Speech and video telephony terminal acoustic test specification (Release 18)	(2024-03)
ETSI TS 102 230-1	V17.2.0 Smart Cards; UICC-Terminal interface; Physical, electrical and logical test specification; Part 1: Terminal features (Release 17)	(2024-05)
3GPP TS 31.120	V18.0.0 3rd Generation Partnership Project; Technical Specification Group Core Network and Terminals; UICC-Terminal Interface; Physical, electrical and logical test specification (Release 18)	(2024-03)

Standard	Version	Version Date
Test Area Reduction	Title	
3GPP TS 31.121	V18.3.0 3rd Generation Partnership Project; Technical Specification Group Core Network and Terminals; UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification (Release 18)	(2025-06)
3GPP TS 31.122	V18.4.0 3rd Generation Partnership Project; Technical Specification Group Core Network and Terminals; Universal Subscriber Identity Module (USIM) conformance test specification (Release 18)	(2025-06)
3GPP TS 31.124	V18.3.0 3rd Generation Partnership Project; Technical Specification Group Core Network and Terminals; Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification (Release 18)	(2025-06)
3GPP TS 34.108	V15.2.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Common test environments for User Equipment (UE); Conformance testing (Release 15)	(2019-09)
3GPP TS 34.109	V17.0.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Terminal logical test interface; Special conformance testing functions (Release 17)	(2022-03)
3GPP TS 34.121-1	V16.2.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; User Equipment (UE) conformance specification; Radio transmission and reception (FDD); Part 1: Conformance specification (Release 16)	(2019-09)
3GPP TS 34.121-2	V15.1.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; User Equipment (UE) conformance specification; Radio transmission and reception (FDD); Part 2: Implementation Conformance Statement (ICS) (Release 15)	(2020-09)
3GPP TS 34.123-1	V15.8.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; User Equipment (UE) conformance specification; Part 1: Protocol conformance specification (Release 15)	(2025-03)

Standard	Version	Version Date
Test Area Reduction	Title	
3GPP TS 34.123-2	V15.7.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification (Release 15)	(2024-03)
3GPP TS 34.123-3	V18.1.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; User Equipment (UE) conformance specification; Part 3: Abstract Test Suite (ATS) (Release 18)	(2024-12)
3GPP TS 36.508	V18.8.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Common test environments for User Equipment (UE) conformance testing (Release 18)	(2025-03)
3GPP TS 36.509	V17.4.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Special conformance testing functions for User Equipment (UE) (Release 17)	(2023-09)
3GPP TS 36.521-1	V18.8.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: Conformance Testing (Release 18)	(2025-03)
3GPP TS 36.521-2	V18.8.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Implementation Conformance Statement (ICS) (Release 18)	(2025-03)
3GPP TS 36.521-3	V18.8.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Radio Resource Management (RRM) conformance testing (Release 18)	(2025-03)

Standard	Version	Version Date
Test Area Reduction	Title	
3GPP TS 36.523-1	V18.8.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification (Release 18)	(2025-03)
3GPP TS 36.523-2	V18.8.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification (Release 18)	(2025-03)
3GPP TS 36.523-3	V18.7.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 3: Test Suites (Release 18)	(2025-03)
VzW Test Specification	V1.2 LTE 3GPP Band 13 Lab Conformance Test Plan	(2013-06)
VzW Test Specification	V5.5 LTE 3GPP Band 13 Safe For Network Test Plan	(2016-03)
VzW Test Specification	Version 1.8 LTE 3GPP Band 13 Field Test Plan	(2012-02)
GCF-CC Version	3.97.0 Global Certification Forum – Certification Criteria	(2025-05-10)
PTCRB NAPRD.03	Version 6.20 PTCRB Permanent Reference Document: Version Specific Technical Overview of PTCRB Mobile/User Equipment Type Certification	(2025-04-12)
PPMD	V3.14 PTCRB Program Management Document: Process Overview of PTCRB Device Type Certification and IMEI Control	(2025-04)

Standard	Version	Version Date
Test Area Reduction	Title	
PVG.03	Version 5.4.0 PVG PTCRB Validation Group Evolution Tracking of PTCRB Certification Test Cases and Requirements PVG.03	(2024-12-20)
PTCRB RFT 77	Version 2016-08-17 AT-Command Test Specification Covering PTCRB RFT 77	(2016-08-17)
DIN EN 16454	2015-12 Intelligente Verkehrssysteme - ESicherheit - Vollständige Konformitätsprüfungen für eCall; Deutsche Fassung EN 16454:2015	
3GPP TS 34.171	V9.4.0 Terminal conformance specification; Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD) (Release 9)	(2012-03)
3GPP TS 34.229-1	V19.0.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification (Release 19)	(2025-03)
3GPP TS 34.229-2	V19.0.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) specification (Release 19)	(2025-03)
3GPP TS 34.229-3	V18.2.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 3: Abstract Test Suite (ATS) (Release 18)	(2025-03)

Standard	Version	Version Date
Test Area Reduction	Title	
3GPP TS 37.571-1 Technical Specification Group Radio Access Network; User Equipment (UE) conformance specification for UE positioning; Part 1: Conformance test specification (Release 18)	V18.1.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; User Equipment (UE) conformance specification for UE positioning; Part 1: Conformance test specification (Release 18)	(2025-03)
3GPP TS 37.571-2	V18.1.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance (Release 18)	(2025-03)
3GPP TS 37.571-3	V18.1.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; User Equipment (UE) conformance specification for UE positioning; Part 3: Implementation Conformance Statement (ICS) (Release 18)	(2025-03)
3GPP TS 37.571-4	V18.1.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; User Equipment (UE) conformance specification for UE positioning; Part 4: Test suites (Release 18)	(2025-03)
3GPP TS 37.571-5	V18.0.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; User Equipment (UE) conformance specification for UE positioning; Part 5: Test scenarios and assistance data (Release 18)	(2024-12)
3GPP TR 37.901	V15.1.0 User Equipment (UE) application layer data throughput performance (Release 15)	(2018-06)
ETSI TS 102 384	V13.0.0 Smart Cards; UICC-Terminal interface; Card Application Toolkit (CAT) conformance specification (Release 13)	(2024-08)

Certificate: D-PL-12140-01-01

1.1 TK / Mobile Communications

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI TS 102 933-1	V2.1.1 Railway Telecommunications (RT); GSM-R improved receiver parameters; Part 1: Requirements for radio reception	(2015-06)
ETSI TS 102 933-2	V2.1.1 Railway Telecommunications (RT); GSM-R improved receiver parameters; Part 2: Radio conformance testing	(2015-06)
GSMA TS.35	Version 7.0 IoT Device Connection Efficiency Test Book	02 Oct 2023
Test Cases only chapter 5.4		

1.2 TK / Application Enabler

Standard	Version	Version Date
Test Area Reduction	Title	
OMA-ETS	2013 OMA (Open Mobile Alliance) Enabler Test Specifications Test Cases for Enabler Releases	
IMTC Enabler Test Specifications	2008 IMTC (International Multimedia Telecommunications Consortium) Enabler Test Specifications Test Cases for Interoperability and Compliance	
GSM Association Enabler Test Specifications	2009 GSM Association Enabler Test Specifications Test Cases to show compliance with GSMNA Technical Recommendations	

1.3 TK / Zigbee /Matter

Standard	Version	Version Date
Test Area Reduction	Title	
Matter Core Specification Test Plan	1.4 Matter Core Specification Test Plan	2024-10-24 11:47:20
Matter Application Clusters Test Plan	1.4 Matter Application Clusters Test Plan	2024-10-24 11:47:20

Standard	Version	Version Date
Test Area Reduction	Title	
PRO Base Device Behavior Test Plan	v3.0.1 This document defines the test cases for testing compliance with the base device behavior specification v3.0.1 for devices operating on the Zigbee-PRO stack, ensuring profile interoperability between application profiles.	September 29th, 2021
Zigbee PRO Green Power feature test specification Basic functionality set	Version 1.1.1 This document is a maintenance release of the Green Power Basic v1.1 test specification, containing all applicable errata. Restriction: Green Power Proxy only	January 11th, 2019
ZigBee Cluster Library Basic Cluster (0x0000) Test Specification	Version 1.0 This document describes the certification tests for devices which implement the ZCL Basic cluster.	April 15th, 2016
ZigBee Cluster Library Power Configuration Cluster (0x0001) Test Specification	Version 0.7 This document describes the certification tests for devices which implement the ZCL Power Configuration cluster.	July 11th, 2016
ZigBee Cluster Library Identify Cluster (0x0003) Test Specification Version	Version 1.0 This document describes the certification tests for devices which implement the ZCL Identify cluster.	April 18th, 2016
ZigBee Cluster Library Groups Cluster (0x0004) Test Specification Version	Version 1.0 This document describes the certification tests for devices which implement the ZCL Groups cluster.	April 18th, 2016
ZigBee Cluster Library Scenes Cluster (0x0005) Test Specification	Version 1.0 This document describes the certification tests for devices which implement the ZCL Scenes cluster.	April 18th, 2016
ZigBee Cluster Library On/Off Cluster (0x0006) Test Specification	Version 1.0 This document describes the certification tests for devices which implement the ZCL On/Off cluster.	April 18th, 2016

Standard	Version	Version Date
Test Area Reduction	Title	
ZigBee Cluster Library Level Control Cluster (0x0008) Test Specification	Version 1.0 This document describes the certification tests for devices which implement the ZCL Level Control cluster.	April 18th, 2016
ZigBee Cluster Library Time Cluster (0x000A) Test Specification	Version 0.9 This document describes the certification tests for devices which implement the ZCL Time Cluster.	June 5th, 2017
ZigBee Cluster Library OTA Cluster (0x0019) Test Specification	Version 0.9 This document describes the certification tests for devices which implement the ZCL OTA cluster.	December 15th, 2017
ZigBee Cluster Library Poll Control Cluster (0x0020) Test Specification	Version 0.9 This document describes the certification tests for devices which implement the ZCL Poll Control Cluster.	June 5th, 2017
ZigBee Cluster Library Barrier Control (0x0103) Test Specification	Version 0.9 This document describes the certification tests for devices which implement the ZCL Barrier Control Cluster.	May 18th, 2018
ZigBee Cluster Library Fan Control Cluster (0x0202) Test Specification	Version 0.9 This document describes the certification tests for devices which implement the ZCL Fan Control Cluster.	June 5th, 2017
ZigBee Cluster Library Thermostat User Interface Configuration Cluster (0x0204) Test Specification	Version 1.0 This document describes the certification tests for devices which implement the ZCL Thermostat User Interface Configuration cluster.	ZigBee Document 15-0304-00 April 21, 2017
ZigBee Cluster Library Ballast Configuration Cluster (0x0301) Test Specification	Version 0.7 This document describes the certification tests for devices which implement the ZCL Ballast Configuration cluster.	October 5th, 2016

Standard	Version	Version Date
Test Area Reduction	Title	
ZigBee Cluster Library Temperature Measurement Cluster (0x0402) Test Specification	Version 0.9 This document describes the certification tests for devices which implement the ZCL Temperature Measurement cluster.	October 11th, 2016
ZigBee Cluster Library Concentration Measurement Clusters (0x040C - 0x0429) Test Specification	Version 0.0 This document describes the certification tests for devices which implement the ZCL Concentration Measurement cluster.	March 15th, 2017
ZigBee Cluster Library IAS WD Cluster (0x0502) Test Specification	Version 0.9 This document describes the certification tests for devices which implement the ZCL IAS WD Cluster.	June 5th, 2017
ZigBee Cluster Library Diagnostics Cluster (0x0b05) Test Specification	Version 1.0 This document describes the certification tests for devices which implement the ZCL Diagnostics cluster.	July 11th, 2017
ZigBee Cluster Library Window Covering (0x0102) Test Specification		
ZigBee Cluster Library Color Control Cluster (0x0300) Test Specification	Version 1.0 This document describes the certification tests for devices which implement the ZCL Color Control cluster.	April 18th, 2016
ZigBee Cluster Library Illuminance Measurement Cluster (0x0400) Test Specification	Version 0.9 This document describes the certification tests for devices which implement the ZCL Illuminance Measurement cluster.	October 11th, 2016
ZigBee Cluster Library Occupancy Sensing Cluster (0x0406) Test Specification	Version 0.9 This document describes the certification tests for devices which implement the ZCL Occupancy Sensing cluster.	October 11th, 2016

Certificate: D-PL-12140-01-01

1.3 TK / Zigbee /Matter

Standard	Version	Version Date
Test Area Reduction	Title	
ZigBee Cluster Library Touchlink Commissioning Cluster (0x1000) Test Specification	Version 1.0	April 18th, 2016
	This document describes the certification tests for devices which implement the ZCL Touchlink Commissioning cluster.	

1.4 TK / Lora / Sigfox

Standard	Version	Version Date
Test Area Reduction	Title	
LoRa End-Device Certification Requirements for EU	V1.5	(2017/06/21)
	LoRa Alliance End Device Certification Requirements for EU 868MHz ISM Band Devices	
LoRa End-Device Certification Requirements for US and Canada	V1.1	2017/01/13)
	LoRa Alliance End-Device Certification Requirements for US and Canada 915MHz ISM Band Devices	
LoRa End-Device Certification Requirements for AS923	V1.1	(2017/08/07)
	LoRa Alliance End-Device Certification Requirements for AS923MHz ISM Band Devices	
SIGFOX certification for End Products Test Specification for certification labs Test Specification for certification labs	Rev1.1	(2016/08/26)
	SIGFOX certification for End Products Test Specification for certification labs	

1.5 TK / eCall

Standard	Version	Version Date
Test Area Reduction	Title	
DIN EN 16454	2023	(09 July 2023)
	Intelligente Verkehrssysteme – E Sicherheit - Vollständige Konformitätsprüfungen für eCall; Deutsche Fassung EN 16454:2023	
EN 16454	2023	(September 2023)
	Intelligent transport systems – ESafety – ECall end to end conformance testing;	

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI TS 102 936-1	V1.1.1 eCall Network Access Device (NAD) conformance specification; Part 1: Protocol test specification	(2011-04)
ETSI TS 102 936-2	V1.1.1 eCall Network Access Device (NAD) conformance specification; Part 2: Test Suites	(2011-04)
ETSI TS 126 269	V18.0.0 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution; Conformance testing	(2024-05)
Section 5		
CEN TS 17240	2024 Intelligent transport systems – ESafety – ECall end to end conformance testing for IMS packet switched based systems	(6 October 2024)
EN 17240	2024 Intelligent transport systems - ESafety - ECall end to end conformance testing for IMS packet switched based systems	(6 October 2024)
ETSI TS 103 412	V1.3.1 Mobile Standards Group (MSG); Pan-European eCall end to end and in-band modem conformance testing; Prose test specification	(2020-03)
Chapters 7.x only		
ETSI TS 103 428	V1.2.2 Mobile Standards Group (MSG); eCall HLAP Interoperability Testing	(2021-04)
ETSI TS 103 543	V1.1.1 Mobile Standards Group (MSG); Pan-European E Call In-Vehicle Systems Guidelines for IVS conformity assessment	(2018-02)
GOST 33467	2015 Functional test methods for in-vehicle emergency call device/system and data transfer protocols	

Standard	Version	Version Date
Test Area Reduction	Title	
GOST 33470	2015	
	ROAD ACCIDENT EMERGENCY RESPONSE SYSTEM Test methods for wireless communication modules of in-vehicle emergency call device/system	
Chapter 8.2.6-8.6.6 only		
GOST 33471	2015	
	ROAD ACCIDENT EMERGENCY RESPONSE SYSTEM Test methods for navigation module of in-vehicle emergency call device/system	
ESMA UAE.S 5019	2024	(2024)
	Motor vehicle - "E Call" Emergency Calls Technical Requirements	
SASO-2944	2023	(2023)
	Motor vehicle - Technical Requirements for Emergency Calls "eCall"	
2017/79/AB	2018	(09.06.2018)
	112 Acil Çağrı Servisi Tabanlı Araç İçi Acil Çağrı Sistemi Bakımından Motorlu Araçların, "...motor vehicles with respect to their 112-based eCall in-vehicles systems" 112 Tabanlı Araç İçi Acil Çağrı Ayrı "... 112-based eCall in-vehicle separate technical units" Teknik Ünitelerinin ve Aksamlarının Tip Onayına Yönelik Teknik Şartlarına ve Deney İşlemlerine İlişkin Yönetmelik "Regulation of technical requirements and test procedures for the type-approval of ..."	
1.6 TK / Interoperability		
Standard	Version	Version Date
Test Area Reduction	Title	
TS.11	v42.0	
	Device Field and Lab Test Guidelinedes	
TS.37	V5.0	
	Requirements for Multi SIM Devices	
TS.39	V5.0	
	MIoT Test Requirements	

1.6 TK / Interoperability

Standard	Version	Version Date
Test Area Reduction	Title	
TS.40	v8.0 MIoT Field and Lab test Cases	
TS.42	V3.0 Multi SIM Devices Requirements Test Cases	
OMA-TS-LightweightM2M	1.1 Lightweight Machine to Machine Technical Specification	(2018-07-10)
OMA-ETS-LightweightM2M	Version 1.0.2 Enabler Test Specification for Lightweight M2M	
OMA-ETS-MMS_INT	15 Oct 2010 Enabler Test Specification (Interoperability) for MMS	
OMA-ETS-XHTML_MP_CON	Version 1.3 Enabler Test Specification (Conformance) for XHTML Mobile Profile	30 Apr 2010
Not on current accreditation certificate		
OMA-ETS-WCSS	Version 1.2 Enabler Test Specification for WCSS	18 May 2010
Not on current accreditation certificate		
3G-324M	Version 3.11 3G-324M Video Telephony Activity Group Test Cases - Interoperability	May 14, 2008
Not on current accreditation certificate		
OMA-ETS-RCS_CON	Version 1.2.2 Enabler Test Specification for RCS (Rich Communication Suite)	10 Mar 2014
Not on current accreditation certificate		

Standard	Version	Version Date
Test Area Reduction	Title	
CTIA OTA Performance	6.0.x Test Plan for Wireless Device Over-the-Air Performance • CTIA 01.01: “Test Scope, Requirements, and Applicability” Version 6.0.6, June 2025 • CTIA 01.20: “Test Methodology, SISO, Anechoic Chamber” Version 6.0.4, April 2025 • CTIA 01.50: “Wireless Technology, 3GPP Radio Access Technologies” Version 6.0.5, June 2025 • CTIA 01.70: “Measurement Uncertainty” Version 6.0.3, December 2024 • CTIA 01.71: “Device Setup and Positioning Guidelines” Version 6.0.1, June 2024 • CTIA 01.72: “Near-Field Phantoms” Version 6.0.1, September 2023 • CTIA 01.73: “Supporting Procedures” Version 6.0.4, November 2023 • CTIA 01.90: “Informative Reference Material” Version 6.0.2, April 2025 • CTIA 01.03: “Normative Reporting Tables” Version 6.0.4, June 2025	

3GPP TS 34.114	V12.2.0	(2016-09)
	3rd Generation Partnership Project; Technical Specification Group Radio Access Network; User Equipment (UE) / Mobile Station (MS) Over The Air (OTA) antenna performance; Conformance testing (Release 12)	

ETSI TS 134 114	V12.2.0	(2016-11)
	Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; User Equipment (UE) / Mobile Station (MS) Over The Air (OTA) antenna performance; Conformance testing (3GPP TS 34.114 version 12.2.0 Release 12)	

VF Ant. Req.	5.4	
	Vodafone Specification for Terminals on Over the Air RF Performance V5.4 (except MIMO OTA)	

except MIMO OTA

1.8 TK / Base Stations and Repeaters

Standard	Version	Version Date
Test Area Reduction	Title	
ETS 300 609-1	Edition 9	(1999-12)
	Digital Cellular Telecommunications System (Phase 2); Base Station Systems (BSS) Equipment Specification; Part 1: Radio aspects (GSM 11.21)	
ETSI EN 300 609-4	V10.2.1	(2012-11)
	Global System for Mobile communications (GSM); Part 4: Harmonized EN for GSM Repeaters covering the essential requirements of article 3.2 of the R&TTE Directive GSM Repeater	

1.8 TK / Base Stations and Repeaters

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 301 087	V8.2.1 Digital Cellular Telecommunications System (Phase 2 and Phase 2+); Base Station Systems (BSS) Equipment Specification; Part 1: Radio aspects (GSM 11.21)	(2000-10)
ETSI TS 101 087	V8.11.0 Digital cellular telecommunications system (Phase 2 and Phase 2+) (GSM); Base Station System (BSS) equipment specification; Radio aspects (3GPP TS 11.21)	(2009-06)
ETSI EN 301 502	V12.5.2 Harmonized EN for Global System for Mobile communications (GSM); Base Station and Repeater equipment covering essential requirements under article 3.2 of the R&TTE directive (GSM 13.21)	(2017-03)
3GPP TS 11.21	R99 V8.11.0 3rd Generation Partnership Project; Technical Specification Group GERAN; Digital cellular telecommunications system (Phase 2 & Phase 2+) Base Station System (BSS) equipment specification; Radio aspects	(2009-05)
ETSI EN 301 908-1	V15.2.1 IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Introduction and common requirements; Release 15	(2023-01)
ETSI EN 301 908-3	V13.1.1 IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)	(2019-09)
ETSI EN 301 908-11	V11.1.2 Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 11: CDMA Direct Spread (UTRA FDD) Repeaters	(2017-01)
3GPP TS 25.104	R16 V16.0.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Networks; BS Radio Transmission and Reception (FDD)	(2019-01-15)
3GPP TS 25.141	R16 V16.0.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Networks; Base station conformance testing (FDD)	(2019-01-15)

1.8 TK / Base Stations and Repeaters

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI TS 101 789-1	V1.1.2 Terrestrial Trunked Radio (TETRA); TMO Repeaters Part 1: Requirements, test methods and limits	(2007-04)

1.9 TK / Short Range Devices

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 300 220-1	V3.1.1 Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 1: Technical characteristics and methods of measurement	(2017-02)
ETSI EN 300 220-2	V3.3.1 Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 2: Harmonised Standard for access to radio spectrum for non specific radio equipment	(2025-03)
ETSI EN 300 220-3-1	V2.1.1 Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 3-1: Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Low duty cycle high reliability equipment, Social Alarms Equipment operating on designating frequencies (869.200 MHz to 869.250 MHz)	(2016-12)
ETSI EN 300 220-3-2	V1.1.1 Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 3-2: Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Wireless alarms operating in designated LDC/HR frequency bands 868,60 MHz to 868,70 MHz, 869,25 MHz to 869,40 MHz, 869,65 MHz to 869,70 MHz	(2017-02)
ETSI EN 300 220-4	V1.1.1 Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 4: Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Metering devices operating in designated band 169,400 MHz to 169,475 MHz	(2017-02)
ETSI EN 300 330	V2.1.1 Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	(2017-02)

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 302 208	V3.4.1 Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W; Harmonised Standard for access to radio spectrum	(2023-12)
ETSI EN 300 296	V2.2.1 Digital Terrestrial TV Transmitters; Harmonised Standard for access to radio spectrum	(2021-06)
ETSI EN 300 440	V2.2.1 Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	(2018-07)
ETSI EN 300 422-1	V2.2.1 Wireless Microphones; Audio PMSE up to 3 GHz; Part 1: Audio PMSE Equipment up to 3 GHz; Harmonised Standard for access to radio spectrum	(2021-11)
ETSI EN 302 372	V2.1.1 Short Range Devices (SRD); Tank Level Probing Radar (TLPR) equipment operating in the frequency ranges 4,5 GHz to 7 GHz, 8,5 GHz to 10,6 GHz, 24,05 GHz to 27 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz; Harmonised Standard covering the essential requirement	(2016-12)
ETSI EN 302 729	V2.1.1 Short Range Devices (SRD); Level Probing Radar (LPR) equipment operating in the frequency ranges 6 GHz to 8,5 GHz, 24,05 GHz to 26,5 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU	(2016-12)
ETSI EN 303 447	V1.3.1 Short Range Devices (SRD); Harmonised Standard for access to radio spectrum; Inductive loop systems for robotic mowers operating within the frequency range 100 Hz to 148,5 kHz	(2022-07)
ETSI EN 300 422-2	V2.1.1 Wireless Microphones; Audio PMSE up to 3 GHz; Part 2: Class B Receivers; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	(2017-02)

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 300 422-3	V2.1.1 Wireless Microphones; Audio PMSE up to 3 GHz; Part 3: Class C Receivers; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	(2017-02)
ETSI EN 300 422-4	V2.1.1 Wireless Microphones; Audio PMSE up to 3 GHz; Part 4: Assistive Listening Devices including personal sound amplifiers and inductive systems up to 3 GHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	(2017-05)
ETSI EN 301 357	V2.1.1 Cordless audio devices in the range 25 MHz to 2 000 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	(2017-06)
ETSI EN 305 550-1	V1.2.1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 40 GHz to 246 GHz frequency range; Part 1: Technical characteristics and test methods	(2014-10)
ETSI EN 305 550-2	V1.2.1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 40 GHz to 246 GHz frequency range; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive	(2014-10)
Draft ETSI EN 305 550	V2.1.0 Short Range Devices (SRD); Radio equipment to be used in the 40 GHz to 246 GHz frequency range Harmonised Standard for access to radio spectrum	(2017-10)
EUT(s) with receiver only up to 90 GHz		
ETSI EN 303 406	V1.1.1 Short Range Devices (SRD); Social Alarms Equipment operating in the frequency range 25 MHz to 1 000 MHz; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU	(2017-02)

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 302 858	V2.1.1 Short Range Devices; Transport and Traffic Telematics (TTT); Radar equipment operating in the 24,05 GHz to 24,25 GHz or 24,05 GHz to 24,50 GHz range; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU	(2016-12)
ETSI EN 303 396	V1.1.1 Short Range Devices; Measurement Techniques for Automotive and Surveillance Radar Equipment	(2016-12)
ETSI EN 301 091-1	V2.1.1 Short Range Devices; Transport and Traffic Telematics (TTT); Radar equipment operating in the 76 GHz to 77 GHz range; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Part 1: Ground based vehicular radar	(2017-01)
ETSI EN 301 091-2	V2.1.1 Short Range Devices; Transport and Traffic Telematics (TTT); Radar equipment operating in the 76 GHz to 77 GHz range; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 2: Fixed infrastructure radar	(2017-01)
ETSI EN 301 091	V1.1.1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Road Transport and Traffic Telematics (RTTT); Technical characteristics and test methods for radar equipment operating in the 76 GHz to 77 GHz band	(1998-06)
EN 302 264-1	V1.1.1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices; Road Transport and Traffic Telematics (RTTT); Short Range Radar equipment operating in the 77 GHz to 81 GHz band; Part 1: Technical requirements and methods of measurement	(2009-06)
EN 302 264-2	V1.1.1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices; Road Transport and Traffic Telematics (RTTT); Short Range Radar equipment operating in the 77 GHz to 81 GHz band; Part 2: Harmonized EN covering the essential requirements	(2009-06)

Standard	Version	Version Date
Test Area Reduction	Title	
EN 302 264	V2.1.1 Short Range Devices; Transport and Traffic Telematics (TTT); Short Range Radar equipment operating in the 77 GHz to 81 GHz band; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU	(2017-05)
ETSI EN 303 883	V1.1.1 Short Range Devices (SRD) using Ultra Wide Band (UWB); Measurement Techniques	(2016-09)
ETSI EN 303 883-1	V2.1.1 Short Range Devices (SRD) and Ultra Wide Band (UWB); Part 1: Measurement techniques for transmitter requirements	(2024-08)
ETSI EN 303 883-2	V2.1.1 Short Range Devices (SRD) and Ultra Wide Band (UWB); Part 2: Measurement techniques for receiver requirements	(2024-08)
EN 302 065-1	V2.1.1 Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised Standard covering essential requirements of article 3.2 of the Directive 2014/53/EU; Part 1: Requirements for Generic UWB applications	(2016-11)
EN 302 065-2	V2.1.1 Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 2: Requirements for UWB location tracking	(2016-11)
EN 302 065-3	V2.1.1 Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 3: Requirements for UWB devices for ground based vehicular applications	(2016-11)
ETSI EN 302 065-3-1	V3.1.0 Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised standard for access to radio spectrum; Part 3: UWB devices installed in motor and railway vehicles Sub-part 1: Requirements for UWB devices for vehicular access systems	(2021-07)

1.10 TK / Wideband Transmission Systems

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 300 328	V2.2.2 Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz band; Harmonised Standard for access to radio spectrum	(2019-07)
ETSI EN 301 893	V2.1.1 5 GHz RLAN; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	(2017-05)
ETSI EN 303 687	V1.1.1 6 GHz WAS/RLAN Harmonised Standard for access to radio spectrum	(2023-06)
ETSI EN 302 502	V2.1.1 Wireless Access Systems (WAS); 5,8 GHz fixed broadband data transmitting systems; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	(2017-03)

1.11 TK / Digital Terrestrial TV Broadcast Receivers

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 303 340	V1.2.1 Digital Terrestrial TV Broadcast Receivers; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	(2020-09)

1.12 TK / Broadcast Sound Receivers

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 303 345	V1.1.7 Broadcast Sound Receivers; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	(2017-03)
Not on current Accreditation Certificate		
ETSI EN 303 345-1	V1.1.1 Broadcast Sound Receivers; Part 1: Generic requirements and measuring methods	(2019-06)
ETSI EN 303 345-2	V1.2.1 Broadcast Sound Receivers; Part 2: AM broadcast sound service; Harmonised Standard for access to radio spectrum	(2021-12)

1.12 TK / Broadcast Sound Receivers

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 303 345-3	V1.1.1 Broadcast Sound Receivers; Part 3: FM broadcast sound service; Harmonised Standard for access to radio spectrum	(2021-06)
ETSI EN 303 345-4	V1.1.1 Broadcast Sound Receivers; Part 4: DAB broadcast sound service; Harmonised Standard for access to radio spectrum	(2021-06)
ETSI EN 303 345-5	V1.2.1 Broadcast Sound Receivers; Part 5: DRM broadcast sound service; Harmonised Standard for access to radio spectrum	(2021-12)

1.13 TK / Road Transport and Traffic Telematics (RTTT)

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 302 858-1	V1.3.1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Road Transport and Traffic Telematics (RTTT); Automotive radar equipment operating in the 24,05 GHz up to 24,25 GHz or 24,50 GHz frequency range; Part 1: Technical characteristics and test methods	(2013-11)
ETSI EN 302 858-2	V1.3.1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Road Transport and Traffic Telematics (RTTT); Automotive radar equipment operating in the 24,05 GHz up to 24,25 GHz or 24,50 GHz frequency range; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive	(2013-11)

1.14 TK / Satellite Earth Stations and Systems

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 303 413	V1.2.1 Satellite Earth Stations and Systems (SES); Global Navigation Satellite System (GNSS) receivers; Radio equipment operating in the 1 164 MHz to 1 300 MHz and 1 559 MHz to 1 610 MHz frequency bands; Harmonised Standard for access to radio spectrum	(2021-04)

1.14 TK / Satellite Earth Stations and Systems

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 301 426	V2.1.2	(2016-11)
	Satellite Earth Stations and Systems (SES); Harmonised Standard for Low data rate Land Mobile satellite Earth Stations (LMES) and Maritime Mobile satellite Earth Stations (MMES) not intended for distress and safety communications operating in the 1,5 GHz/1,6 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU	
ETSI EN 301 444	V2.2.1	(2021-04)
	Satellite Earth Stations and Systems (SES); Land Mobile Earth Stations (LMES) and Maritime Mobile Earth Stations (MMES) providing voice and/or data communications, operating in the 1,5 GHz and 1,6 GHz frequency bands; Harmonised Standard for access to radio spectrum	
ETSI EN 301 681	V2.1.2	(2016-11)
	Satellite Earth Stations and Systems (SES); Harmonised Standard for Mobile Earth Stations (MES) of Geostationary mobile satellite systems, including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) under the Mobile Satellite Service (MSS), operating in the 1,5 GHz and 1,6 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU	

1.15 TK / Mobile Earth Stations (MESs)

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 301 441	V2.1.1	(2016-06)
	Satellite Earth Stations and Systems (SES); Harmonised Standard for Mobile Earth Stations (MES), including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) operating in the 1,6 GHz/2,4 GHz frequency band under the Mobile Satellite Service (MSS) covering the essential requirements of article 3.2 of the Directive 2014/53/EU	
ETSI EN 301 442	V2.1.1	(2016-06)
	Satellite Earth Stations and Systems (SES); Harmonised Standard for NGSO Mobile Earth Stations (MES) including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) operating in the 1 980 MHz to 2 010 MHz (earth-to-space) and 2 170 MHz to 2 200 MHz (space-to-earth) frequency bands under the Mobile Satellite Service (MSS) covering the essential requirements of article 3.2 of the Directive 2014/53/EU	

1.16 TK / Car-2-Car

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 302 571	V2.1.1	(2017-02)
	Intelligent Transport Systems (ITS); Radiocommunications equipment operating in the 5 855 MHz to 5 925 MHz frequency band; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	

1.17 TK / Wireless Power Transmission

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 303 417	V1.1.1	(2017-09)
	Wireless power transmission using technologies other than radio frequency beam in the 19-21 kHz, 59-61 kHz, 79-90 kHz, 100-300 kHz, 6765-6795 kHz ranges	

1.18 TK / EMF

Standard	Version	Version Date
Test Area Reduction	Title	
EN 62369-1	2009	(2009-04-30)
	Evaluation of human exposure to electromagnetic fields from short range devices (SRDs) in various applications over the frequency range 0 GHz to 300 GHz - Part 1: Fields produced by devices used for electronic article surveillance, radio frequency identification and similar systems	

Only frequency range 2 kHz – 30 MHz

EN 50364	2018	(2018-02-15)
	Product standard for human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications	

Only frequency range 2 kHz – 30 MHz

DIN EN IEC 62311		2020-12
	Bewertung von elektrischen und elektronischen Einrichtungen in Bezug auf Begrenzungen der Exposition von Personen in elektromagnetischen Feldern (0 Hz bis 300 GHz) (IEC 62311:2019); Deutsche Fassung EN IEC 62311:2020	

1.19 TK / USA

Standard	Version	Version Date
Test Area Reduction	Title	
ANSI C63.10	2020	(2020-09-10)
	American National Standard of Procedures for Compliance Testing for Testing of Unlicensed Wireless Devices	

Standard	Version	Version Date
Test Area Reduction	Title	
ANSI C63.26	2015 American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services Stand alone or in combination with: Commercial Mobile Services (FCC Licensed Radio Service Equipment) Part 22 (cellular) Part 24 Part 25 (below 3 GHz) Part 27 KDB Publication 971168 General Mobile Radio Services (FCC Licensed Radio Service Equipment) Part 22 (non-cellular) Part 90 (below 3 GHz) Part 95 (below 3 GHz) Part 97 (below 3 GHz) Part 101 (below 3 GHz) Citizens Broadband Radio Services (FCC Licensed Radio Service Equipment) Part 96 KDB Publication 971168 DB Publication 940660 Maritime and Aviation Radio Services (FCC Licensed Radio Service Equipment) Part 80 Part 87 Microwave and Millimeter Bands Radio Services (FCC Licensed Radio Service Equipment) Part 25 Part 30 Part 74 Part 90 (above 3 GHz) Part 95 (above 3 GHz) Part 97 (above 3 GHz) Part 101 KDB Publication 653005	(2015-01)
ANSI/TIA-603-E	E Land Mobile FM or PM Communications Equipment Measurement and Performance Standards Stand alone or in combination with: - Licensed Radio Service Equipment - Commercial Mobile Services CFR 47 FCC Part 20 CFR 47 FCC Part 22 (cellula	(2016-03)
TIA-102.CAAA	E Project 25 Digital C4FM/CQPSK Transceiver Measurement Methods	(2016-03)
1.20 TK / Japan		
Standard	Version	Version Date
Test Area Reduction	Title	
ARIB STD-T66	V3.7 Second Generation Low Power Data Communication System/Wireless LAN System	(2014-10)
ARIB STD-T71	V6.2 Broadband Mobile Access Communication System (CSMA)	(2014-03)

Certificate: D-PL-12140-01-01

1.21 TK / Australia New Zealand Radio

Standard	Version	Version Date
Test Area Reduction	Title	
ACA TS 018	1997 Digital Cellular Mobile Telecommunications System - GSM Mobile Station	(1997-12)
AS/NZS 4268	2017 Radio equipment and systems – Short range devices – Limits and methods of measurement	(2017-02-24)
AS/NZS 4771	2000 Technical characteristics and test conditions for data transmission equipment operating in the 900 MHz, 2.4 GHz and 5.8 GHz bands and using spread spectrum modulation techniques	(2000-05)

1.22 TK / Hongkong

Standard	Version	Version Date
Test Area Reduction	Title	
HKCA 1019	ISSUE 3 PERFORMANCE SPECIFICATION FOR TV ANTENNA AMPLIFIERS	NOVEMBER 2011
HKCA 1020	ISSUE 7 PERFORMANCE SPECIFICATION OF THE BASE STATION SYSTEM (BSS) AND REPEATER EQUIPMENT FOR USE IN THE PUBLIC MOBILE COMMUNICATIONS SERVICE EMPLOYING GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS (GSM) OR IN THE PERSONAL COMMUNICATIONS SERVICE (PCS)	NOVEMBER 2011
HKCA 1033	ISSUE 7 PERFORMANCE SPECIFICATION FOR MOBILE STATIONS AND PORTABLE EQUIPMENT FOR USE IN THE GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS (GSM) 900 AND 1800 MHz BANDS	MARCH 2012
HKCA 1035	ISSUE 7 PERFORMANCE SPECIFICATION FOR RADIO EQUIPMENT EXEMPTED FROM LICENSING	MAY 2016
HKCA 1039	ISSUE 6 PERFORMANCE SPECIFICATION FOR RADIOCOMMUNICATIONS APPARATUS OPERATING IN THE 2.4 GHz OR 5 GHz BAND AND EMPLOYING FREQUENCY HOPPING OR DIGITAL MODULATION	JUNE 2015

1.22 TK / Hongkong

Standard	Version	Version Date
Test Area Reduction	Title	
HKCA 1042	ISSUE 2 PERFORMANCE SPECIFICATION FOR RADIO EQUIPMENT OPERATING IN THE 5 GHz BAND FOR WIRELESS ACCESS	FEBRUARY 2003
HKCA 1043	ISSUE 4 PERFORMANCE SPECIFICATION FOR BASE STATION AND REPEATER EQUIPMENT FOR USE IN THE THIRD GENERATION (3G) MOBILE COMMUNICATIONS SERVICES EMPLOYING CDMA DIRECT SPREAD (UTRA FDD)	JUNE 2008
HKCA 1048	ISSUE 2 PERFORMANCE SPECIFICATION FOR USER EQUIPMENT FOR USE IN THE THIRD GENERATION (3G) MOBILE COMMUNICATIONS SERVICES EMPLOYING CDMA DIRECT SPREAD (UTRA FDD)	JUNE 2008
HKCA 1049	ISSUE 1 PERFORMANCE SPECIFICATION FOR RADIO FREQUENCY IDENTIFICATION (RFID) EQUIPMENT OPERATING IN THE 865 – 868 MHz AND/OR 920 – 925 MHz BANDS	April 2005
HKCA 1050	ISSUE 1 PERFORMANCE SPECIFICATION FOR 26.96 – 27.41 MHz CITIZENS BAND (CB) RADIO TRANSCEIVERS	January 2006
HKCA 1057	ISSUE 2 PERFORMANCE SPECIFICATION FOR USER EQUIPMENT FOR USE IN PUBLIC MOBILE COMMUNICATIONS SERVICES BASED ON EVOLVED UNIVERSAL TERRESTRIAL RADIO ACCESS (E-UTRA) FREQUENCY DIVISION DUPLEX (FDD)	JULY 2023
HKTA 1061	ISSUE 1 PERFORMANCE SPECIFICATION FOR SHORT RANGE DEVICES OPERATING IN THE 433 MHZ BAND	May 2011
HKCA 1064	ISSUE 1 PERFORMANCE SPECIFICATION FOR GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS – RAILWAY (GSM-R) RADIOCOMMUNICATIONS EQUIPMENT	FEBRUARY 2013
HKCA 1066	ISSUE 1 PERFORMANCE SPECIFICATION FOR GROUND-BASED VHF RADIO EQUIPMENT FOR THE VHF AERONAUTICAL MOBILE SERVICE	NOVEMBER 2013

1.22 TK / Hongkong

Standard	Version	Version Date
Test Area Reduction	Title	
HKCA 1073	ISSUE 1 PERFORMANCE SPECIFICATION FOR GROUND-BASED VHF RADIO EQUIPMENT FOR THE VHF AERONAUTICAL MOBILE SERVICE	JANUARY 2015
HKCA 1075	ISSUE 2 PERFORMANCE SPECIFICATION FOR SHORT-RANGE RADAR EQUIPMENT OPERATING IN THE 79 GHz BAND	Sept 2018
HKCA 1080	ISSUE 1 PERFORMANCE SPECIFICATION FOR SHORT RANGE DEVICES OPERATING IN THE 4.2 – 4.8 GHz AND/OR 6 – 8.5 GHz BANDS EMPLOYING ULTRA-WIDEBAND TECHNOLOGY	AUGUST 2018
HKCA 1081	ISSUE 1 PERFORMANCE SPECIFICATION FOR RADIOCOMMUNICATIONS APPARATUS OPERATING IN THE 6 GHz BAND FOR WIRELESS LOCAL AREA NETWORK	APRIL 2022

2.1 EMC / Basic standards

Standard	Version	Version Date
Test Area Reduction	Title	
DIN EN 61000-4-2 ; VDE 847-4-2	2009-12 Elektromagnetische Verträglichkeit (EMV) - Teil 4-2: Prüf- und Messverfahren - Prüfung der Störfestigkeit gegen die Entladung statischer Elektrizität (IEC 61000-4-2:2008); Deutsche Fassung EN 61000-4-2:2009	(2009-12)
DIN EN 61000-4-3 ; VDE 847-4-3	2021-11 Elektromagnetische Verträglichkeit (EMV) - Teil 4-3: Prüf- und Messverfahren - Prüfung der Störfestigkeit gegen hochfrequente elektromagnetische Felder (IEC 61000-4-3:2020); Deutsche Fassung EN IEC 61000-4-3:2020	(2021-11)
Up to including test level 3 Up to 6 GHz		
DIN EN 61000-4-4 ; VDE 847-4-4	2013-04 Elektromagnetische Verträglichkeit (EMV) - Teil 4-4: Prüf- und Messverfahren - Prüfung der Störfestigkeit gegen schnelle transiente elektrische Störgrößen/Burst (IEC 61000-4-4:2012); Deutsche Fassung EN 61000-4-4:2012	(2013-04)

Standard	Version	Version Date
Test Area Reduction	Title	
DIN EN 61000-4-5 ; VDE 847-4-5	2021-04 Elektromagnetische Verträglichkeit (EMV) - Teil 4-5: Prüf- und Messverfahren - Prüfung der Störfestigkeit gegen Stoßspannungen (IEC 61000-4-5:2014 + A1:2017); Deutsche Fassung EN 61000-4-5:2014 + A1:2017; Berichtigung 1	(2021-04)
DIN EN 61000-4-6 ; VDE 847-4-6	2014-08 Elektromagnetische Verträglichkeit (EMV) - Teil 4-6: Prüf- und Messverfahren - Störfestigkeit gegen leitungsgeführte Störgrößen, induziert durch hochfrequente Felder (IEC 61000-4-6:2013); Deutsche Fassung EN 61000-4-6:2014	(2014-08)
DIN EN 61000-4-8 ; VDE 847-4-8	2010-11 Elektromagnetische Verträglichkeit (EMV) - Teil 4-8: Prüf- und Messverfahren - Prüfung der Störfestigkeit gegen Magnetfelder mit energietechnischen Frequenzen (IEC 61000-4-8:2009); Deutsche Fassung EN 61000-4-8:2010	(2010-11)
DIN EN 61000-4-9 ; VDE 847-4-9	2017-05 Elektromagnetische Verträglichkeit (EMV) - Teil 4-9: Prüf- und Messverfahren - Prüfung der Störfestigkeit gegen impulsförmige Magnetfelder (IEC 61000-4-9:2016); Deutsche Fassung EN 61000-4-9:2016	(2017-05)
DIN EN 61000-4-11 ; VDE 847-4-11	2021-10 Elektromagnetische Verträglichkeit (EMV) - Teil 4-11: Prüf- und Messverfahren - Prüfungen der Störfestigkeit gegen Spannungseinbrüche, Kurzzeitunterbrechungen und Spannungsschwankungen für Geräte mit einem Eingangsstrom bis zu und einschließlich 16 A je Leiter (IEC 61000-4-11:2020 + COR1:2020); Deutsche Fassung EN IEC 61000-4-11:2020 + AC:2020	(2021-10)
DIN EN 61000-3-2 ; VDE 838-2	2023-10 Elektromagnetische Verträglichkeit (EMV) - Teil 3-2: Grenzwerte - Grenzwerte für Oberschwingungsströme (Geräte-Eingangsstrom ≤ 16 A je Leiter) (IEC 61000-3-2:2018 + A1:2020 + ISH1:2021); Deutsche Fassung EN IEC 61000-3-2:2019 + A1:2021	(2023-10)
DIN EN 61000-3-3 ; VDE 838-3	2023-02 Elektromagnetische Verträglichkeit (EMV) - Teil 3-3: Grenzwerte - Begrenzung von Spannungsänderungen, Spannungsschwankungen und Flicker in öffentlichen Niederspannungs-Versorgungsnetzen für Geräte mit einem Bemessungsstrom ≤ 16 A je Leiter, die keiner Sonderanschlussbedingung unterliegen (IEC 61000-3-3:2013 + A1:2017 + A2:2021 + A2:2021/COR1:2022); Deutsche Fassung EN 61000-3-3:2013 + A1:2019 + A2:2021 + A2:2021/AC:2022	(2023-02)

2.1 EMC / Basic standards

Standard	Version	Version Date
Test Area Reduction	Title	
ISO 7637-2	Third Edition 2011-03-01 Road vehicles – Electrical disturbances from conduction and coupling –Part 2: Electrical transient conduction along supply lines only	(2011-03)
ISO 7637-3	2016-07 Road vehicles – Electrical disturbances from conduction and coupling – Part 3: Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines	(2016-07)
CISPR 16-2-1	2014+AMD1:2017 Edition 3.1 COR1:2020 Specification for radio disturbance and immunity measuring apparatus and methods; Part 2-1: Methods of measurement of disturbances and immunity – Conducted disturbance measurements	(2020-08)
CISPR 16-2-3	Edition 4.2 2016+AMD1:2019+AMD2:2023 Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements	(2023-06)
CISPR 16-2-4	Edition 1.0 2003 Specification for radio disturbance and immunity measuring apparatus and methods; Part 2-4: Methods of measurement of disturbances and immunity – Immunity measurements	(2003-11)
Without: 7.2 (Rahmen-antenne: 9 k - 30 MHz) 7.9 (Reverb) 7.10 (TEM)		
CISPR 11	Edition 7.0 2024 Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement	(2025-02-13)

2.2 EMC / Generic standards

Standard	Version	Version Date
Test Area Reduction	Title	
DIN EN IEC 61000-6-1; VDE 0839-6-1	2019-11 Elektromagnetische Verträglichkeit (EMV) - Teil 6-1: Fachgrundnormen - Störfestigkeit für Wohnbereich, Geschäfts- und Gewerbebereiche sowie Kleinbetriebe (IEC 61000-6-1:2016); Deutsche Fassung EN IEC 61000-6-1:2019	(2019-11)

only 1-phase AC equipment <= 16 ampere per phase

2.2 EMC / Generic standards

Standard	Version	Version Date
Test Area Reduction	Title	
DIN EN IEC 61000-6-2; VDE 0839-6-2	2019-11 Elektromagnetische Verträglichkeit (EMV) - Teil 6-2: Fachgrundnormen - Störfestigkeit für Industriebereiche (IEC 61000-6-2:2016); Deutsche Fassung EN IEC 61000-6-2:2019	(2019-11)
DIN EN IEC 61000-6-3; VDE 0839-6-3	2022-06 Elektromagnetische Verträglichkeit (EMV) - Teil 6-3: Fachgrundnormen - Störaussendung von Geräten in Wohnbereichen (IEC 61000-6-3:2020); Deutsche Fassung EN IEC 61000-6-3:2021	(2022-06)
DIN EN IEC 61000-6-4; VDE 0839-6-4	2020-09 Elektromagnetische Verträglichkeit (EMV) - Teil 6-4: Fachgrundnormen - Störaussendung für Industriebereiche (IEC 61000-6-4:2018); Deutsche Fassung EN IEC 61000-6-4:2019	(2020-09)
EN IEC 61000-6-8	2020 Electromagnetic compatibility (EMC) - Part 6-8: Generic standards - Emission standard for professional equipment in commercial and light-industrial locations (IEC 61000-6-8:2020)	(September 2020)
DIN EN IEC 61000-6-8; VDE 0839-6-8	2022-02 Elektromagnetische Verträglichkeit (EMV) Teil 6-8: Fachgrundnormen Störaussendung für professionell genutzte Geräte, die in Geschäfts und Gewerbebereichen sowie in Kleinbetrieben verwendet werden (IEC 61000-6-8:2020) Deutsche Fassung EN IEC 61000-6-8:2020	(2022-02)

2.3 EMC / Product standards

Standard	Version	Version Date
Test Area Reduction	Title	
DIN EN 50130-4 ; VDE 0830-1-4	2015-04 Alarmanlagen - Teil 4: Elektromagnetische Verträglichkeit - Produktfamilienorm: Anforderungen an die Störfestigkeit von Anlageteilen für Brandmeldeanlagen, Einbruch- und Überfallmeldeanlagen, Video-Überwachungsanlagen, Zutrittskontrollanlagen sowie Personen-Hilferufanlagen; Deutsche Fassung EN 50130-4:2011 + A1:2014	(2015-04)
DIN EN 55011 ; VDE 0875-11	2022-05 Industrielle, wissenschaftliche und medizinische Geräte - Funkstörungen - Grenzwerte und Messverfahren (CISPR 11:2015, modifiziert + A1:2016 + A2:2019); Deutsche Fassung EN 55011:2016 + A1:2017 + A11:2020 + A2:2021	(2022-05)

Up to including 3 m measurement distance

Standard	Version	Version Date
Test Area Reduction	Title	
DIN EN 55014-1 ; VDE 0875-14-1	2022-12 Elektromagnetische Verträglichkeit - Anforderungen an Haushaltgeräte, Elektrowerkzeuge und ähnliche Elektrogeräte - Teil 1: Störaussendung (CISPR 14-1:2020); Deutsche Fassung EN IEC 55014-1:2021	(2022-12)
No disturbance power		
CISPR 14.1	Edition 7.0 2020 Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus Part 1: Emission	(2020-09)
No disturbance power		
DIN EN 55014-2 ; VDE 0875-14-2	2022-10 Elektromagnetische Verträglichkeit - Anforderungen an Haushaltgeräte, Elektrowerkzeuge und ähnliche Elektrogeräte - Teil 2: Störfestigkeit - Produktfamilienorm (CISPR 14-2:2020); Deutsche Fassung EN IEC 55014-2:2021	(2022-10)
CISPR 14.2	Edition 3.0 Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus Part 2: Immunity - Product family standard	(2020-08)
Up to including 3 m measurement distance		
DIN EN 55024 ; VDE 0878-24	2016-05 Einrichtungen der Informationstechnik - Störfestigkeitseigenschaften - Grenzwerte und Prüfverfahren (CISPR 24:2010 + Cor.:2011 + A1:2015); Deutsche Fassung EN 55024:2010 + A1:2015	(2016-05)
CISPR 24	:2010+AMD1:2015 Edition 2.1 Information technology equipment – Immunity Equipment – Limit and methods of measurement	(2015-04)
DIN EN 55032 ; VDE 0878-32	2022-06 Elektromagnetische Verträglichkeit von Multimediageräten und Einrichtungen - Anforderungen an die Störaussendung (CISPR 32:2015 + COR1:2016 + A1:2019); Deutsche Fassung EN 55032:2015 + AC:2016 + A11:2020 + A1:2020	(2022-06)
Up to including 3 m measurement distance		
CISPR 32	Edition 2.1 2015+AMD1:2019 CSV Electromagnetic compatibility of multimedia equipment - Emission requirements	(2019-10)
Up to including 3 m measurement distance		

Standard	Version	Version Date
Test Area Reduction	Title	
DIN EN 55035 ; VDE 0878-35	2022-06 Elektromagnetische Verträglichkeit von Multimediageräten - Anforderungen zur Störfestigkeit; Deutsche Fassung EN 55035:2017/A11:2020	(2022-06)
Up to 6 GHz; No noise generator		
EN 55035	2017/A11:2020 Electromagnetic compatibility of multimedia equipment — Immunity requirements (CISPR 35:2016 , modified)	2022-06-02
Up to 6 GHz; No noise generator		
CISPR 35	Edition 1.0 2016 Electromagnetic compatibility of multimedia equipment - Immunity requirements	(2016-08)
Up to 6 GHz; No noise generator		
DIN EN 61326-1 ; VDE 0843-20-1	2022-11 Elektrische Mess-, Steuer-, Regel- und Laborgeräte - EMV- Anforderungen - Teil 1: Allgemeine Anforderungen (IEC 61326-1:2020); Deutsche Fassung EN IEC 61326-1:2021	(2022-11)
EN IEC 61326-1	2021-06 Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements (IEC61326-1:2020)	
IEC 61326-1	Edition 3.0 2020 Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements	(2020-10)
DIN EN 61326-2-1 ; VDE 0843-20-2-1	2022-11 Elektrische Mess-, Steuer-, Regel- und Laborgeräte - EMV- Anforderungen - Teil 2-1: Besondere Anforderungen - Prüfanordnung, Betriebsbedingungen und Leistungsmerkmale für empfindliche Prüf- und Messgeräte für Anwendungen ohne EMV- Schutzmaßnahmen (IEC 61326-2-1:2020); Deutsche Fassung EN IEC 61326-2-1:2021	(2022-11)
DIN EN 61326-2-2 ; VDE 0843-20-2-2	2022-11 Elektrische Mess-, Steuer-, Regel- und Laborgeräte - EMV- Anforderungen - Teil 2-2: Besondere Anforderungen - Prüfanordnung, Betriebsbedingungen und Leistungsmerkmale für ortsveränderliche Prüf-, Mess- und Überwachungsgeräte für den Gebrauch in Niederspannungs-Stromversorgungsnetzen (IEC 61326-2-2:2020); Deutsche Fassung EN IEC 61326-2-2:2021	(2022-11)

2.3 EMC / Product standards

Standard	Version	Version Date
Test Area Reduction	Title	
DIN EN 61326-2-3 ; VDE 0843-20-2-3	2022-11 Elektrische Mess-, Steuer-, Regel- und Laborgeräte - EMV-Anforderungen - Teil 2-3: Besondere Anforderungen - Prüfanordnung, Betriebsbedingungen und Leistungsmerkmale für Messgrößenumformer mit integrierter oder abgesetzter Signalaufbereitung (IEC 61326-2-3:2020); Deutsche Fassung EN IEC 61326-2-3:2021	(2022-11)
DIN EN 61326-2-4 ; VDE 0843-20-2-4	2022-11 Elektrische Mess-, Steuer-, Regel- und Laborgeräte - EMV-Anforderungen - Teil 2-4: Besondere Anforderungen - Prüfanordnung, Betriebsbedingungen und Leistungsmerkmale für Isolationsüberwachungsgeräte nach IEC 61557-8 und Geräte zur Isolationsfehlerortung nach IEC 61557-9 (IEC 61326-2-4:2020); Deutsche Fassung EN IEC 61326-2-4:2021	(2022-11)
DIN EN 61326-2-5 ; VDE 0843-20-2-5	2022-11 Elektrische Mess-, Steuer-, Regel- und Laborgeräte - EMV-Anforderungen - Teil 2-5: Besondere Anforderungen - Prüfanordnungen, Betriebsbedingungen und Leistungsmerkmale für Feldgeräte mit Feldbus-Schnittstellen nach IEC 61784-1 (IEC 61326-2-5:2020); Deutsche Fassung EN IEC 61326-2-5:2021	(2022-11)
ETSI EN 301 489-1	V2.2.3 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; - Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility (ETSI EN 301 489-1 V2.2.3 (2019-11))	(2019-11)
2.4 EMC / Radio		
Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 301 489-2	V2.1.1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 2: Specific conditions for radio paging equipment; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU	(2019-04)
ETSI EN 301 489-3	V2.3.2 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonised Standard for ElectroMagnetic Compatibility	(2023-01)

2.4 EMC / Radio

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 301 489-5	V2.2.1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech) and Terrestrial Trunked Radio (TETRA); Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU	(2019-04)
ETSI EN 301 489-6	V2.2.1 Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 6: Specific conditions for Digital Enhanced Cordless Telecommunications (DECT) equipment	(2019-04)
ETSI EN 301 489-9	V2.1.1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 9: Specific conditions for wireless microphones, similar Radio Frequency (RF) audio link equipment, cordless audio and in-ear monitoring devices; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU	(2019-04)
ETSI EN 301 489-17	V3.3.1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband and Wideband Data Transmission Systems; Harmonised Standard for ElectroMagnetic Compatibility	(2024-09)
ETSI EN 301 489-19	V2.2.1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 19: Specific conditions for Receive Only Mobile Earth Stations (ROMES) operating in the 1,5 GHz band providing data communications and GNSS receivers operating in the RNSS band providing positioning, navigation, and timing data; Harmonised Standard for ElectroMagnetic Compatibility	(2022-09)
ETSI EN 301 489-20	V2.2.1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 20: Specific conditions for Mobile Earth Stations (MES) used in the Mobile Satellite Services (MSS); Harmonised Standard for ElectroMagnetic Compatibility	(2021-11)
ETSI EN 301 489-33	V2.2.1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 33: Specific conditions for Ultra-WideBand (UWB) devices; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU	(2019-04)

2.4 EMC / Radio

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI EN 301 489-34	V2.1.1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 34: Specific conditions for External Power Supply (EPS) for mobile phones; Harmonised Standard covering the essential requirements of article 6 of Directive 2014/30/EU	(2019-04)
ETSI EN 301 489-50	V2.3.1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 50: Specific conditions for Cellular Communication Base Station (BS), repeater and ancillary equipment; Harmonised Standard for ElectroMagnetic Compatibility	(2021-03)
ETSI EN 301 489-51	V2.1.1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 51: Specific conditions for Automotive, Ground based Vehicles and Surveillance Radar Devices using 24,05 GHz to 24,25 GHz, 24,05 GHz to 24,5 GHz, 76 GHz to 77 GHz and 77 GHz to 81 GHz; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU	(2019-04)
ETSI EN 301 489-52	V1.3.1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 52: Specific conditions for Cellular Communication User Equipment (UE) radio and ancillary equipment; Harmonised Standard for ElectroMagnetic Compatibility	(2024-11)
3GPP TS 25.113	V18.0.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Networks; Base station (BS) and repeater electromagnetic compatibility (EMC)	(2024-03)
3GPP TS 34.124	V18.0.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Networks; Electromagnetic Compatibility (EMC) requirements for Mobile terminals and ancillary equipment	(2024-03)
ETSI TS 136 124	V18.0.0 LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 36.124 version 18.0.0 Release 18)	(2024-05)

2.4 EMC / Radio

Standard	Version	Version Date
Test Area Reduction	Title	
3GPP TS 36.124	V17.1.0 Evolved Universal Terrestrial Radio Access (E-UTRA); Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment	(2022-06)
3GPP TS 38.124	V18.0.0 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; NR; ElectroMagnetic Compatibility (EMC) requirements for mobile terminals and ancillary equipment (Release 18)	(2023-09)
ETSI TS 138 124	V18.1.0 5G ; NR; Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 18.1.0 Release 18)	(2024-05)
ETSI EN 303 446-1	V1.2.1 ElectroMagnetic Compatibility (EMC) standard for combined and/or integrated radio and non-radio equipment; Part 1: Requirements for equipment intended to be used in residential, commercial and light industry locations	(2019-10)
ETSI EN 303 446-2	V1.2.1 ElectroMagnetic Compatibility (EMC) standard for combined and/or integrated radio and non-radio equipment; Part 2: Requirements for equipment intended to be used in industrial locations	(2019-10)
2.5 EMC / USA		
Standard	Version	Version Date
Test Area Reduction	Title	
ANSI C63.4	2014 American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	(2014-06-13)
ANSI C63.4a	2017 American National Standard for Methods of Measurement of Radio- Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz Amendment 1: Test Site Validation	(2017-09-15)

Certificate: D-PL-12140-01-01

2.6 EMC / Australia / New Zealand

Standard	Version	Version Date
Test Area Reduction	Title	
AS/NZS 61000.6.3	2021	(2021-10)
	Electromagnetic compatibility (EMC), Part 6-3: Generic standards - Emission standard for equipment in residential environments	
AS/NZS CISPR 11	2024	2025-01-20
	Industrial scientific and medical (ISM) radio-frequency equipment – Electromagnetic disturbance characteristics – Limits and methods of measurement	
AS/NZS CISPR 32	2015	(2015-12-16)
	Electromagnetic compatibility of multimedia equipment - Emission requirements	

Up to including 3 m measurement distance

2.7 EMC / Australia

Standard	Version	Version Date
Test Area Reduction	Title	
AS CISPR 11	2024	
	Industrial scientific and medical (ISM) radio-frequency equipment – Electromagnetic disturbance characteristics – Limits and methods of measurement	

2.8 EMC / New Zealand

Standard	Version	Version Date
Test Area Reduction	Title	
AS/NZS CISPR 14.1	2021	(2021-10-22)
	Electromagnetic Compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emissions	

No disturbance power

Up to including 3 m measurement distance

Canada / EMC

Standard	Version	Version Date
Test Area Reduction	Title	
ICES-GEN	Issue 2	February 23, 2024
	General Requirements for Compliance of Interference-Causing Equipment	
ICES-001	Issue 5	(2020-07)
	Industrial, Scientific and Medical (ISM) Radio Frequency Generators	
	- fmax 325 GHz - No CISPR 11 Artificial d.c. network (DC-AN)	
ICES-003	Issue 7	(2020-10)
	Information Technology Equipment (including Digital Apparatus)	
ANSI C63.4	2014	(2014-06-13)
	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	
ANSI C63.4a	2017	(2017-09-15)
	American National Standard for Methods of Measurement of Radio- Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz Amendment 1: Test Site Validation	

Canada / TC

Standard	Version	Version Date
Test Area Reduction	Title	
ANSI C63.10	2020	(2020-09-10)
	2023	(2023-04-10)
	American National Standard of Procedures for Compliance Testing for Testing of Unlicensed Wireless Devices Corrigendum 1	
ANSI C63.10a	2024	(2024-08-08)
	American National Standard of Procedures for Compliance Testing for Testing of Unlicensed Wireless Devices Amendment 1	
ANSI C63.26	2015	(2016-01-15)
	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services	

Standard	Version	Version Date
Test Area Reduction	Title	
RSS-GEN	Issue 5 Amendment 1: 2019-03 Amendment 2: 2021-02 General Requirements and Information for the Certification of Radiocommunication Equipment	(2018-04)
RSS-111	Issue 5 Broadband Public Safety Equipment Operating in the Band 4940-4990 MHz	(2014-09)
RSS-112	Issue 1 Land Mobile and Fixed Equipment Operating in the Band 1670–1675 MHz	(2008-02)
RSS-119	Issue 12 Amendment 1 Amendment 2 Land Mobile and Fixed Radio Transmitters and Receivers, 27.41 to 960 MHz	(2015-05) (2022-04) (2025-07)
RSS-123	Issue 5 Licensed Wireless Microphones	July 26, 2024
RSS-130	Issue 2 Mobile Broadband Services (MBS) Equipment Operating in the Frequency Bands 698-756 MHz and 777-787 MHz	(2019-02)
RSS-131	Issue 4 Zone Enhancers	(2022-12-16)
RSS-132	Issue 4 Cellular Systems Operating in the Bands 824-849 MHz and 869-894 MHz	(2023-01-31)
RSS-133	Issue 7 RSS-133 — Personal Communications Service Equipment Operating in the Bands 1850-1915 MHz and 1930-1995 MHz	July 24, 2024
RSS-134	Issue 2 900 MHz Narrowband Personal Communications Service	(2016-02)

Standard	Version	Version Date
Test Area Reduction	Title	
RSS-135	Issue 2 Digital Scanner Receivers	(2009-06)
RSS-137	Issue 2 Location and Monitoring Service in the Band 902-928 MHz	(2009-02)
RSS-139	Issue 4 Amendment RSS-139 — Advanced Wireless Services (AWS) Equipment Operating in the Bands 1710-1780 MHz and 2110-2200 MHz	(2022-09) (2022-10)
RSS-140	Issue 1 Equipment Operating in the Public Safety Broadband Frequency Bands 758-768 MHz and 788-798 MHz	(2018-04-05)
RSS-142	Issue 5 Narrowband Multipoint Communication Systems in the Bands 1429.5 - 1432 MHz	(2013-04)
RSS-170	Issue 4 Mobile Earth Stations and Ancillary Terrestrial Component Equipment Operating in the Mobile-Satellite Service Bands	(2022-09)
RSS-191	Issue 3 with Note Local Multipoint Communication Systems in the Bands 25.35-28.35 GHz; Point-to-Point and Point-to-Multipoint Broadband Communication Systems in the Bands 24.25-24.45 GHz and 25.05-25.25 GHz; and Point-to-Multipoint Broadband Communications in the Band 38.6	(2008-04) effective 2020-01-21)
RSS-192	Issue 5 Flexible Use Broadband Equipment Operating in the Band 3450-3900 MHz	July 2023
RSS-195	Issue 2 Wireless Communications Service Equipment Operating in the Bands 2305-2320 MHz and 2345-2360 MHz	(2014-04)

Standard	Version	Version Date
Test Area Reduction	Title	
RSS-197	Issue 1 Wireless Broadband Access Equipment Operating in the Band 3650–3700 MHz	(2010-02)
RSS-199	Issue 4 Broadband Radio Service (BRS) Equipment Operating in the Band 2500-2690 MHz	July 2023
RSS-210	Issue 11 RSS-210 — Licence-Exempt Radio Apparatus: Category I Equipment	June 25, 2024
RSS-211	Issue 1 Level Probing Radar Equipment	(2015-03)
RSS-215	Issue 2 Analogue Scanner Receivers	(2009-06)
RSS-216	Issue 3 RSS-216 — Wireless Power Transfer Devices	September 3, 2024
RSS-220	Issue 1 Amendment 1 Devices Using Ultra-Wideband (UWB) Technology	(2009-03) (2018-07)
RSS-222	Issue 4 RSS-222 — White Space Devices (WSDs)	November 2024
RSS-236	Issue 2 General Radio Service Equipment Operating in the Band 26.960 to 27.410 MHz (Citizens Band)	(2022-09)
RSS-247	Issue 4 Digital Transmission Systems, Frequency Hopping Systems and Licence-Exempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands (including DFS)	(2025-07-24)

Standard	Version	Version Date
Test Area Reduction	Title	
RSS-248	Issue 3	October 11, 2024
	RSS-248 — Radio Local Area Network (RLAN) Devices Operating in the 5925-7125 MHz Band	
RSS-251	Issue 2	(2018-07)
	RSS-251 — Field Disturbance Sensors in the Bands 46.7-46.9 GHz (Vehicular Radar) and 76-77 GHz (Vehicular and Airport Fixed Radar)	
RSS-252	Issue 2	(2023-10)
	RSS-252 — Intelligent Transportation Systems' (ITS) On-Board Units (OBUs) in the 5895-5925 MHz Band	
RSS-310	Issue 5	(2020-01)
	Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category II Equipment	

Canada / SAR

Standard	Version	Version Date
Test Area Reduction	Title	
RSS-102	Issue 6	December 15, 2023
	RSS-102 — Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)	
RSS-102.NS.MEAS	Issue 1	December 15, 2023
	RSS-102.NS.MEAS — Measurement Procedure for Assessing Nerve Stimulation (NS) Compliance in Accordance with RSS-102	

Standard	Version	Version Date
Test Area Reduction	Title	
ETSI TS 103 701	V1.1.1 ETSI: CYBER; Cyber Security for Consumer Internet of Things: Conformance Assessment of Baseline Requirements	(2021-08)
ESTI EN 303 645	V2.1.1 ETSI: CYBER; Cyber Security for Consumer Internet of Things: Baseline Requirements	(2020-06)
BSI TR-03173	Amendments for Conformance Assessments based on ETSI EN 303 645/TS 103 701	

Cybersecurity

Standard	Version	Version Date
Test Area Reduction	Title	
CTIA: Cybersecurity Certification Test Plan for IoT Devices	2.1.2 CTIA: Cybersecurity Certification Test Plan for IoT Devices	December 2023
ETSI TS 103 732	V1.1.1 ETSI: CYBER; Consumer Mobile Device Protection Profile	(2021-11)
ETSI TS 103 732-1	V2.1.2 ETSI: CYBER; Consumer Mobile Device; Part1: Base Protection Profile	(2023-11)
ETSI TS 103 732-2	V1.1.2 ETSI: CYBER; Consumer Mobile Device; Part 2: Biometric Authentication Protection Profile Module	(2023-11)
ETSI TS 103 732-3	V1.1.1 ETSI: CYBER; Consumer Mobile Device; Part 3: Multi-user Protection Profile Module	(2023-10)
CSA: PSWG Assessment Guidance	V0.8	2023-11-03
IEC 62443-4-2	:2019 Security for industrial automation and control systems - Part 4-2: Technical security requirements for IACS components	

Cybersecurity

Standard	Version	Version Date
Test Area Reduction	Title	
prEN 18031-1	:2023 (E) Common security requirements for radio equipment - Part 1: Internet connected radio equipment	
prEN 18031-3	:2023 (E) Common security requirements for radio equipment - Part 3: Internet connected radio equipment processing virtual money or monetary value	

Standard	Version	Version Date
Test Area Reduction	Title	
VO (EU) 2015/758	*VO (EU) 2017/79 *VO (EU) 2025/1871 VO (EU) 2015/758 über Anforderungen für die Typgenehmigung zur Einführung des auf dem 112-Notruf basierenden bordeigenen eCall-Systems in Fahrzeugen und zur Änderung der Richtlinie 2007/46/EG	(23. Juli 2025)
UN-R144	ÄS01, ERG 01 Einheitliche Bedingungen für: Ia. Unfall-Notruf-Komponenten (AECC) Ib. Unfall-Notrufeinrichtungen (AECD), die für den Einbau in Fahrzeuge der Klassen M1 und N1 bestimmt sind II. Fahrzeuge hinsichtlich ihrer Unfall-Notrufsysteme (AECS), wenn sie mit einer AECD eines genehmigten Typs ausgestattet sind III. Fahrzeuge hinsichtlich ihrer Unfall-Notrufsysteme (AECS), wenn sie mit einer AECD eines nicht genehmigten Typs ausgerüstet sind ECE/TRANS/WP.29/2020/29	(09.06.2021)
Prüfverfahren gemäß - Annex 9, 10 und 11, Kapitel 7.2-7.7, 17.2-17.7, 26.2-26.7, 35.1-35.7,35.9		