



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

LabTest Certification, Inc.

3128 - 20800 Westminster HWY

Richmond, B.C. V6V 2W3

(and satellite location as shown on the scope)

Fulfills the requirements of

ISO/IEC 17025:2017

and

**U.S. Federal Communication Commission (FCC) EMC and Telecommunications
(EC&T) Testing Designation Program**

**Recognition of Telecommunications Testing - Innovation, Science, and Economic
Development (ISED) Canada**

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.

The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President

Expiry Date: 04 March 2026

Certificate Number: AT-2033



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

**U.S. Federal Communication Commission (FCC) EMC and Telecommunications (EC&T)
Testing Designation Program ²**

**Recognition of Telecommunications Testing - Innovation, Science, and Economic
Development (ISED) Canada ³**

LabTest Certification, Inc.

3128 - 20800 Westminster Hwy.

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TESTING

Valid to: **March 04, 2026**

Certificate Number: **AT-2033**

Testing performed in support of FCC approval procedures for Certification ²

Type of Device Examples	Scope of Accreditation	Supporting FCC Guidance	Comments / Maximum Frequency Tested
Unintentional Radiators (FCC Part 15, Subpart B)	ANSI C63.4-2014 ANSI C63.4a-2017	KDB publications 248227 KDB publications 680106	40 GHz
Industrial, Scientific, and Medical Equipment (FCC Part 18) Consumer ISM equipment	FCC MP-5, (February 1986)	-	40 GHz
Intentional Radiators (FCC Part 15 Subpart C)	ANSI C63.10-2020	KDB Publication 996369 KDB Publication 558074 KDB Publication 890966 KDB Publication 865664 KDB Publication 178919 KDB Publication 204515	40 GHz
U-NII without DFS Intentional Radiators (FCC Part 15, Subpart E) Unlicensed National Information Infrastructure Devices (U-NII without DFS)	ANSI C63.10-2020	KDB Publication 789033 KDB Publication 662911	40 GHz
U-NII with DFS Intentional Radiators (FCC Part 15 Subpart E) Unlicensed National Information Infrastructure U-NII) Devices with Dynamic Frequency Selection (DFS)	FCC KDB Publication 905462 D02 UNII DFS Compliance Procedures New Rules v02 (April 8, 2016)	KDB Publication 987594	40 GHz

Testing performed in support of FCC approval procedures for Certification ²

Type of Device Examples	Scope of Accreditation	Supporting FCC Guidance	Comments / Maximum Frequency Tested
UWB Intentional Radiators (FCC Part 15, Subpart F) Ultra-wideband Operation	ANSI C63.10-2020	KDB Publication 393764	40 GHz
BPL Intentional Radiators (FCC Part 15, Subpart G) Access Broadband Over Power Line (Access BPL)	ANSI C63.10-2020	-	40 GHz
White Space Device Intentional Radiators (FCC Part 15, Subpart H) White Space Devices	ANSI C63.10-2020	KDB Publication 416721	40 GHz
Commercial Mobile Services (FCC Licensed Radio Service Equipment) Part 22 (cellular) Part 24 Part 25 (below 3 GHz) Part 27	ANSI/TIA-603-E or TIA-102.CAAA-E-2016 or ANSI C63.26-2015	KDB Publication 971168 KDB publication 648474	40 GHz
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)	ANSI/TIA-603-E or TIA-102.CAAA-E-2016 or ANSI C63.26-2015	KDB Publication 579009 KDB Publications 552295	40 GHz
Citizens Broadband Radio Services (FCC Licensed Radio Service Equipment) Part 96	ANSI/TIA-603-E or TIA-102.CAAA-E-2016 or ANSI C63.26-2015	KDB Publication 971168 KDB Publication 940660	40 GHz
Maritime and Aviation Radio Services (FCC Licensed Radio Service Equipment) Part 80 Part 87	ANSI/TIA-603-E or ANSI C63.26-2015	-	40 GHz
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	ANSI/TIA-603-E or TIA-102.CAAA-E-2016 or ANSI C63.26-2015	KDB Publication 653005 KDB Publication 579009 KDB Publication 552295 KDB Publication 842590	40 GHz

Testing performed in support of FCC approval procedures for Certification ²

Type of Device Examples	Scope of Accreditation	Supporting FCC Guidance	Comments / Maximum Frequency Tested
Broadcast Radio Services (FCC Licensed Radio Service Equipment) Part 73 Part 74 (below 3 GHz)	ANSI/TIA-603-E or TIA-102.CAAA-E-2016 or ANSI C63.26-2015	-	40 GHz
Signal Boosters (Part 20) Wideband Consumer signal boosters Provider-specific signal boosters Industrial signal boosters Signal Boosters (Section 90.219)	ANSI C63.26-2015	KDB Publication 935210 D03, D04, and D05 [1] KDB Publication 285076	40 GHz

Testing to Meet the Requirements for Recognition of Telecommunications Testing – Innovation, Science, and Economic Development (ISED) Canada ³

Test Method (Standard)	Issue, Date, Amendment	Test Specification(s)	Comments
RSS-GEN	Issue 5, April 2018 Amendment 1, March 2019 Amendment 2, February 2021	General Requirements for Compliance of Radio Apparatus	-
RSS-102	Issue 6 December 15, 2023	Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)	-
RSS-102.NS.MEAS	Issue 1, December 2023	Measurement Procedure for Assessing Nerve Stimulation (NS) Compliance in Accordance with RSS-102	-
RSS-111	Issue 5, September 2014	Broadband Public Safety Equipment Operating in the Band (4 940 to 4 990) MHz	-
RSS-112	Issue 1, February 2008	Land Mobile and Fixed Equipment Operating in the Band (1 670 to 1675) MHz	-
RSS-117	Issue 3, January 2016 Amendment, June 2021	Land and Coast Station Transmitters Operating in the Band (200 to 535) kHz	-
RSS-119	Issue 12, May 2015 Amendment April 2022	Land Mobile and Fixed Equipment Operating in the Frequency Range (27.41 to 960) MHz	-
RSS-123	Issue 5, July 2024	Licensed Wireless Microphones	< 40 GHz
RSS-125	Issue 3, June 2020 Note November 2021	Land Mobile and Fixed Equipment Operating in the Frequency Range (1.705 to 30) MHz	-
RSS-127	Issue 1, August 2009	Air-Ground Equipment Operating in the Bands (849 to 851) MHz and (894 tot 896) MHz	-

Testing to Meet the Requirements for Recognition of Telecommunications Testing – Innovation, Science, and Economic Development (ISED) Canada³

Test Method (Standard)	Issue, Date, Amendment	Test Specification(s)	Comments
RSS-130	Issue 2, February 2019	Equipment Operating in the Frequency Bands (617 to 652) MHz, (663 to 698) MHz, (698 to 756) MHz, and (777 to 787) MHz	-
RSS-131	Issue 4, December 2022	Zone Enhancers	-
RSS-132	Issue 4, January 2023	Cellular Telephone Systems Operating in the Bands (824 to 849) MHz and (869 to 894) MHz	-
RSS-133	Issue 7, July 2024	2 GHz Personal Communications	-
RSS-134	Issue 2, February 2016	900 MHz Narrowband Personal Communication Service	-
RSS-135	Issue 2, June 2009	Digital Scanner Receivers	-
RSS-137	Issue 2, February 2009	Location and Monitoring Service in the Band (902 to 928) MHz	-
RSS-139	Issue 4, September 2022	Advanced Wireless Services (AWS) Equipment Operating in the Bands (1 710 to 1 780) MHz and (2 110 to 2 180) MHz	-
RSS-141	Issue 2, June 2010	Aeronautical Radiocommunication Equipment in the Frequency Band (117.975 to 137) MHz	-
RSS-142	Issue 5, April 2013	Narrowband Multipoint Communication Systems in the Bands (1 429.5 to 1 432) MHz	-
RSS-170	Issue 4, Sep. 2022	Mobile Earth Stations (MESs) and Ancillary Terrestrial Component (ATC) Equipment Operating in the Mobile-Satellite Service Bands (2 483.5 to 2 500) MHz	-
RSS-181	Issue 2, August 2019 Amendment, February 2020	Coast and Ship Station Equipment Operating in the Maritime Service in the Frequency Range (1 605 to 28 000) kHz	-
RSS-182	Issue 6, June 2021 Amendment September 2023	Maritime Radio Transmitters and Receivers in the Band (156 to 162.5) MHz	-

Testing to Meet the Requirements for Recognition of Telecommunications Testing – Innovation, Science, and Economic Development (ISED) Canada³

Test Method (Standard)	Issue, Date, Amendment	Test Specification(s)	Comments
RSS-191	Issue 3, April 2008, Note January 2020	Local Multipoint Communication Systems in the Band (25.35 to 28.35) GHz; Point-to-Point and Point-to-Multipoint Broadband Communication Systems in the Bands (24.25 to 24.45) GHz and (25.05 to 25.25) GHz; and Point-to-Multipoint Broadband Communications in the Band (38.6 to 40) GHz	-
RSS-192	Issue 5, July 2023	Flexible Use Broadband Equipment Operating in the Band (3 450 to 3 650) MHz	-
RSS-194	Issue 1, October 2007	Fixed Wireless Access Equipment Operating in the Band (953 to 960) MHz	-
RSS-195	Issue 2, April 2014	Wireless Communication Service (WCS) Equipment Operating in the Bands (2 305 to 2 320) MHz and (2 345 to 2 360) MHz	-
RSS-198	Issue 1, August 2023	Flexible Use Broadband Equipment Operating in the Band 3900-3980 MHz	-
RSS-199	Issue 4, July 2023	Broadband Radio Service (BRS) Equipment Operating in the Band (2 500 to 2 690) MHz	-
RSS-210	Issue 11, June 2024	License-Exempt Radio Apparatus: Category I Equipment	< 40 GHz
RSS-211	Issue 1, March 2015	Level Probing Radar Equipment	-
RSS-215	Issue 2, June 2009	Analogue Scanner Receivers	-
RSS-216	Issue 2, January 2016 Amendment 1, September 2020	Wireless Power Transfer Devices	-
RSS-220	Issue 1, March 2009 Amendment 1, July 2018	Devices Using Ultra-Wideband (UWB) Technology	-
RSS-236	Issue 2, September 2022	General Radio Service Equipment Operating in the Band (26.960 to 27.410) MHz (Citizens Band)	-
RSS-238	Issue 1, July 2013	Shipborne Radar in the (2 900 to 3 100) MHz and (9 225 to 9 500) MHz Bands	-
RSS-243	Issue 3, February 2010	Medical Devices Operating in the (401 to 406) MHz Frequency Band	-
RSS-244	Issue 1, June 2013	Medical Devices Operating in the Band (413 to 457) MHz	-

Testing to Meet the Requirements for Recognition of Telecommunications Testing – Innovation, Science, and Economic Development (ISED) Canada³

Test Method (Standard)	Issue, Date, Amendment	Test Specification(s)	Comments
RSS-247	Issue 3, August 2023	Digital Transmission Systems (DTS), Frequency Hopping Systems (FHSs) and License-Exempt Local Area Networks (LE-LAN) Devices	With / Without DFS
RSS-248	Issue 2, December 2022	Radio Local Area Network (RLAN) Devices Operating in the (5 925 to 7 125) MHz Band	-
RSS-251	Issue 2, July 2018	Vehicular Radar and Airport Fixed or Mobile Radar in the (76 to 81) GHz Frequency Band	-
RSS-252	Issue 2, October 2023	Intelligent Transportation Systems – Dedicated Short Range Communications (DSRC) – On Board Unit (OBU)	-
RSS-287	Issue 3, April 2024	Emergency Position Indicating Radio Beacons (EPIRB), Emergency Locator Transmitters (ELT), Personal Locator Beacons (PLB), and Maritime Survivor Locator Beacons (MSLD)	-
RSS-288	Issue 1, January 2012	Global Maritime Distress and Safety System (GMDSS)	-
RSS-310	Issue 5, January 2020	License-Exempt Radio Apparatus: Category II Equipment	-

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
Unintentional Radiators, Radiated and Conducted Emissions	ANSI C63.4-2003, ANSI C63.4-2009 ANSI C63.4:2014; FCC OST/MP-05 (1986); ICES-Gen, Issue2; ICES-001(Issue 5, July 2020); ICES-002(Issue 7, September 2020); ICES-003(Issue 7, October 2020); ICES-005(Issue 5, December 2018); CISPR 16-2-1(2017) ; CISPR 16-2-3(2016); EN 55016-2-1(2014); EN 55016-2-3(2014); CISPR 11(2024); EN 55011(2016); EN 55011:2016/A1:2017, EN 55011:2016/A11:2020, AS/NZS CISPR 11 (2016); KN 11 (RRA Announce 2016-79, Dec, 19, 2016); KN 11 (KS C 9811:2019) KS C 9816-2-1:2020, KS C 9816-2-3:2020, KS C 9816-1-1:2020, KS C 9816-1-2:2020 KS C 9816-1-4:2020, VCCI V-3 (up to 6 GHz); VCCI V-5; VCCI- CISPR32:2016 CNS 13438 Class B, CNS 15936:2016	9 kHz to 40 GHz	3 meter chamber
Harmonics Emissions	IEC 61000-3-2 (2018+AMD1:2020); EN 61000-3-2 (2014); EN IEC 61000-3-2:2019, AS/NZS 61000-3-2(2014); KN 61000-3-2 (RRA Announce 2016-79, Dec, 19, 2016) KS C 9610-3-2:2020, IEC 61000-3-12 (2011/AMD1:2021), EN 61000-3-12 (2011), IEC 61000-4-7: 2002 + A1:2008	-	-
Flicker Emissions	IEC 61000-3-3 (2013/AMD2:2021); EN 61000-3-3 (2013); AS/NZS 61000-3-3(2013); IEC 61000-3-2:2019 KN 61000-3-3 (RRA Announce 2016-79, Dec, 19, 2016) IEC 61000-3-11(2017), EN 61000-3-11(2010)	-	-
ESD Immunity Testing	IEC 61000-4-2(2008); EN 61000-4-2(2009); KN 61000-4-2 (RRA Announce 2016-79, Dec, 19, 2016) KS C 9610-4-2:2017, IEC 60255-22-2(2014), ISO 10605(2008), BS EN IEC 61000-3-11-2019 IEC 61000-4-15: 2010	-	-
RF Immunity Radiated Immunity	IEC 61000-4-3(2010); IEC 61000-4-20(2010); EN 61000-4-3(2010); EN 61000-4-20(2010); EN IEC 61000-4-3:2020 KN 61000-4-3 (RRA Announce 2016-79, Dec, 19, 2016, IEEE Std. C37.90.2, KS C 9610-4-3:2017 IEEE C62.41-1991	Up to 18 GHz 30 V/m @ 3m 200 V/m @ 1m	-
EFT	IEC 61000-4-4 (2012); EN 61000-4-4(2012); KN 61000-4-4 (RRA Announce 2016-79, Dec, 19, 2016) KS C 9610-4-4:2020		-

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
Surge	IEC 61000-4-5 (2017); EN 61000-4-5 (2014); KN 61000-4-5 (RRA Announce 2016-79, Dec, 19, 2016) KS C 9610-4-5:2020	-	-
Conducted Immunity	IEC 61000-4-6 (2013); EN 61000-4-6 (2014); KN 61000-4-6 (RRA Announce 2016-79, Dec, 19, 2016) KS C 9610-4-6:2020, IEC 61000-4-16(2015)	-	-
Low Frequency Magnetic Immunity	IEC 61000-4-8 (2009); EN 61000-4-8(2010); KN 61000-4-8 (RRA Announce 2016-79, Dec, 19, 2016) KS C 9610-4-8:2017	-	-
Pulse Field Immunity	IEC 61000-4-9(2016), EN 61000-4-9(2016) KN 61000-4-9 (2017), KS C 9610-4-9:2019	-	-
Damped oscillatory magnetic field immunity test	IEC 61000-4-10(2016), EN 61000-4-10(2017)	-	-
Generic EMC Standards	IEC 61000-6-1(2016), IEC 61000-6-3(2010) IEC 61000-6-3:2021, EN 61000-6-1(2007), EN 61000-6-3(2017/AC:2012) AS/NZS 61000.6.3(2012) KN 61000-6-1 (RRA Announce 2016-79, Dec, 19, 2016) KN 61000-6-1 (KS C 9610-6-1:2019) KN 61000-6-3 (RRA Announce 2016-79, Dec, 19, 2016) KN 61000-6-3 (KS C 9610-6-3:2017) EN IEC 61000-6-3:2021, IEC 61000-6-2(2016), IEC 61000-6-4(2018), EN 61000-6-2(2005), AS/NZS 61000.6.4(2012), EN 61000-6-4(2007/A1:2011) KN 61000-6-2 (RRA Announce 2016-79, Dec, 19, 2016) KN 61000-6-2 (KS C 9610-6-2:2019) KN 61000-6-4 (RRA Announce 2016-79, Dec, 19, 2016) KN 61000-6-4 (KS C 9610-6-4:2017) IEC 61000-6-8:2020, EN 61000-6-5:2015/AC:2018-01	-	-
Product Type EMC Standards Multimedia Equipment	CISPR 22 (2010), CISPR 24(2010/A1:2015) CISPR 32(2015/AMD1:2019), CISPR 35(2016), KS C 9832(2019), EN 55022(2010), EN55024 (2010) EN 55032(2015), EN 55035(2017), EN 55032:2015/A11:2020, AS/NZS CISPR 22(2010), AS/NZS CISPR 32(2013) AS/NZS CISPR 24(2009) KN35 (RRA Announce 2016-79, Dec, 19, 2016) KN 35 (KS C 9835:2019), QCVN 118:2018, EN 55035:2017/A11:2020, TCVN 7600:2010, TCVN 7317:2003	-	-

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
Product Type EMC Standards Household appliances	CISPR 14-1(2020), EN 55014-1 (2017) CISPR 14-2(2020), EN55014-2(2015) AS/NZS CISPR 14-1(2013) KN 14-1(RRA Announce 2016-79, Dec, 19, 2016) KN 14-1 (KS C 9814-1:2020)	-	-
Product Type EMC Standards Measurement Control & Laboratory	IEC 61326-1(2020), IEC 61326-2(2012) EN 61326-1(2013), EN 61326-2(2013), EN IEC 61326-1:2021, EN IEC 61326-2-1:2021, IEC 61326-2-6:2021	-	-
Product Type EMC Standards Medical Devices	IEC 60601-1-2(Ed3 & Ed.4) EN 60601-1-2(2015) KN 60101-1-2(RRA Announce 2016-79, Dec, 19, 2016), KS C IEC 60601-1-2	-	-
Product Type EMC Standards, Lifts, escalators and moving walks	EN 12015(2014), EN 12016(2013)	-	-
Product Type EMC Standards, Alarm systems	EN 50130-4(2011)	-	-
Product Type EMC Standards Audio, video, audio-visual and entertain-ment; lighting control apparatus for professional use	EN 55103-1(2012), EN 55103-2(2009)	-	-
Product Type EMC Standards Signaling on low-voltage electrical installation	EN50065-1(2011), EN50065-2-1(2003) EN50065-2-2(2003), EN50065-2-3(2003)	-	-
Product Type EMC Standards Lighting and similar equipment	CISPR 15(2018) EN 55015(2013), IEC 61547(2020) EN IEC 55015:2019, EN IEC 55015:2019/A11:2020 EN 61547(2009) KN 61547(RRA Announce 2016-79, Dec, 19, 2016) KN 61547 (KS C 9547:2020)	-	-
Product Type EMC Standards Gases, toxic gases or oxygen	EN 50270(2015)	-	-
Product Type EMC Standards, Electricity metering equipment (a.c.)	IEC 62053-22(2003/A1:2016) EN 62053-22(2003)	-	-

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
Product Type EMC Standards, Railway applications	EC 62236-1, 2, 3, 4, 5(2018), IEC 62236-3-2:2018 EN 50121-1,2,3,4,5(2015), EN 50121-3-2: 2016 EN 50155:2021 (clause 13.4.9 and 13.4.3)	-	-
Electromagnetic compatibility - Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen	EN 50270:2015 +AC:2016-08	-	-
Electromagnetic compatibility. Requirements for household appliances, electric tools and similar apparatus-. Product family standards	EN 55014-2:2017/A11:2020 EN 55014-1:2017/A11:2020	-	-
Product Type EMC Standards Automotive	CISPR 12(2009), CISPR 25(2021) EN 55012(2012), EN 55025(2017) AS/NZS CISPR 12(2013), ISO 7637-2 ISO 11452-1(2015), ISO 11452-2(2019) ISO 11452-4(2015), ISO 11452-7(2015) ISO 11452-8(2015), ISO 11452-9(2015) ISO 11452-10(2015), ISO 10605(2014) UNECE R10:2014 UN Regulation No. 10 Revision 6: 2019	-	-
Electricity metering equipment - Particular requirements	EN IEC 62053-22:2021/A11:2021	-	-
Railway applications - Electromagnetic compatibility - Part 4: Emission and immunity of the signaling and telecommunications apparatus	EN 50121-4:2016	-	-

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
Railway applications - Electromagnetic compatibility - Part 5: Emission and immunity of fixed power supply installations and apparatus	EN 50121-5:2017	-	-
Product Type EMC Standards Maritime	IEC 60945(2002) EN 60945(2002) LLOYD'S REGISTRE TYPE APPROVAL SYSTEM Test Specification Number 1 DNVGL-CG-0339 August 2021, IACS UR E10 ABS part 4, chapter 9, section 9 Bureau Veritas NR 467.C1 DT R13 E part C, chapter 4, section 6 IEC 60092-504:2016, IEC 60533:2015, ISO 25197	-	-
Product Type EMC Standards UPS and Power Units	IEC 61800-3(2017), EN 61800-3(2004), IEC 62040-2(2016), EN 62040-2(2006), EN IEC 61204-3:2018, AS 62040-2(2008), IEC 62041:2017, BS EN IEC 62041-2020 BS EN IEC 61204-3-2018, IEC 62052-11:2020	-	-
Telcordia Electromagnetic Compatibility (EMC) and Electrical Safety - Generic Criteria for Network Telecommunications Equipment	Document Number GR-1089 Issue Number 08 Issue Date Jul 2022	Radiated susceptibility – from 100 kHz – 10 GHz Conducted susceptibility – from 100 kHz to 30 MHz	-
Environmental Conditions and Test Procedures for Airborne Equipment	RTCA DO-160D, E, F and G Section 15.0 Magnetic Effect Section 16.0 Power Input Section 18.0 Audio Frequency Conducted Susceptibility - Power Inputs Section 20.0 Radio Frequency Susceptibility (Radiated and Conducted) Section 21.0 Emission of Radio Frequency Energy Section 22.0 Lightning Induced Transient Susceptibility Section 25.0 Electrostatic Discharge	Radiated susceptibility - above 100 kHz Conducted susceptibility – above 100 kHz	-
Military Conducted Emissions	MIL-STD-461E, F, G: Methods CE101, CE102, CE106 MIL-STD-462D Methods CE101, CE102, CE106 MIL-STD-462 Methods CE01, CE02, CE03, CE06	-	-

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
Military Radiated Emissions	MIL-STD-461E, F, G: Methods RE101, RE102 and RE103 MIL-STD-462D: Methods RE101, RE102 and RE 103 MIL-STD-462: Methods RE01, RE02 and RE03	-	-
Military Conducted Susceptibility	MIL-STD-461E, F, G: Methods CS101, CS 103, CS104, CS105, CS109, CS114, CS115, CS116, CS117 MIL-STD- 462D: Methods CS101, CS103, CS114, CS115, CS116; CS118 MIL-STD-462: Methods, CS01, CS02, CS03, CS04, CS05, CS06, CS08	-	-
Military Radiated Susceptibility	MIL-STD-461/462D: Methods RS101, RS103 MIL-STD-461E, F, G: Methods RS101, RS103	-	-
FCC 47 CFR Part 2	Subparts I, J, and K and FCC §2.1033, § 2.1043, 2.1091, 2.1093, 2.931, KDB Publication 442812 KDB Publication 594280, KDB publications 447498	-	
FCC 47 CFR Part 1	Sections 1.1307	-	-
FCC 47 CFR Part 11	-	-	Emergency Alarm System
FCC 47 CFR Part 74	Subparts F including the special requirements in public notice DA-95-1854 and Docket No. MM 97-217	-	-
Australia/New Zealand	AS/NZS 4268(2017) AS/NZS 4295(2015) AS/NZS 4365(2011)	-	-

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Test Method	Test Specification(s)	Range	Comments
Europe	ETSI EN 300 113, v2.2.1(2016-12) ETSI EN 300 220-1, v3.1.1(2017-02) ETSI EN 300 220-2, v3.2.1 (2018-06) EN ETSI 300 328 v2.2.2 (2019-07) ETSI EN 300 330, v2.1.1(2017-02) ETSI EN 300 386 V1.6.1, V2.2.1 09-2022 ETSI EN 300 390, v2.1.1(2016-03) ETSI EN 300 440, v2.2.0(2017-09) EN ETSI 301 489-1 v1.9.2 (2011-09) ETSI EN 301 489-1, v2.2.0(2017-03) EN ETSI 301 489-1 v2.2.2 (2019-09) ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-3, v2.2.1(2017-03) ETSI EN 301 489-4, v3.2.0(2017-03) ETSI EN 301 489-5, v2.2.0(2017-03) ETSI EN 301 489-11, v1.3.1(2006-05) ETSI EN 301 489-13, v1.2.1(2002-08) ETSI EN 301 489-17, v3.2.0(2017-03) ETSI EN 301 489-17 V3.2.4 (2020-09) ETSI EN 301 489-34, v2.1.1(2017-04) ETSI EN 301 489-52 V1.2.1 (2021-11) ETSI EN 301 511 V12.5.1 (2017-03) EN 301 908-1 V13.1.1:2020 EN 302 291-1 v1.1.1 (2005-07) ETSI EN 302 502 v12.5.2:2018 EN 303 039 v2.1.2(2016-10) ETSI EN 303 417 V1.1.1 (2017-09) EN 62479:2010/ IEC 62479: 2010-06 KS X 3124: 2021, KS X 3126:2021, KS X 3129:2021	-	-
Vietnam	QCVN 18:2022/BTTTT, QCVN 44:2018/BTTTT QCVN 54:2020/BTTTT, QCVN 55:2011/BTTTT QCVN 65:2013/BTTTT, QCVN 73:2013/BTTTT QCVN 74:2020/BTTTT, QCVN 96:2015/BTTTT	-	-
Mexico	NOM-084sct1-2002, NOM-088/1-SCT1-2002 NOM-088/2-SCT1-2002 NOM-EM-016-SCF1-2015, NOM-208-SCFI-2016 IFT-008-2015	-	-
South Korea	Unlicensed Radio Equipment Established Without Notice (MSIT Public Notification 2022-20, May 10, 2022) Technical Requirements for Radio Equipment for Telecommunication Services (RRA Public Notification 2021-34, Dec 28th, 2021)	-	-

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
Hongkong	HKCA 1039 Issue 6 June 2015; HKCA 1042 Issue 2 Feb 2003; HKCA 1049 Issue 1 April 2005; HKCA 1020 Issue 7 Nov 2011; HKCA 1043 Issue 4 June 2008; HKCA 1056 Issue 1 May 2011	-	-



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Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
ESD Immunity Testing	IEC 61000-4-2(2008); EN 61000-4-2(2009); KN 61000-4-2 (RRA Announce 2016-79, Dec, 19, 2016) IEC 60255-22-2(2014), ISO 10605(2008); KS C 9610-4-2:2017	-	-
RF Immunity Radiated Immunity	IEC 61000-4-3(2010); IEC 61000-4-20(2010); EN 61000-4-3(2010); EN 61000-4-20(2010); EN IEC 61000-4-3:2020 KN 61000-4-3 (RRA Announce 2016-79, Dec, 19, 2016, IEEE Std. C37.90.2; KS C 9610-4-3:2017	Up to 18 GHz 30 V/m @ 3m 200 V/m @ 1m	-
EFT	IEC 61000-4-4 (2012); EN 61000-4-4(2012); KN 61000-4-4 (RRA Announce 2016-79, Dec, 19, 2016); KS C 9610-4-4:2020		-
Surge	IEC 61000-4-5 (2017); EN 61000-4-5 (2014); KN 61000-4-5 (RRA Announce 2016-79, Dec, 19, 2016); KS C 9610-4-5:2020		-
Conducted Immunity	IEC 61000-4-6 (2013); EN 61000-4-6 (2014); KN 61000-4-6 (RRA Announce 2016-79, Dec, 19, 2016) IEC 61000-4-16(2015); KS C 9610-4-6:2020 IEC 61000-4-14:1999+AMD1:2001+AMD2:2009; BS EN 61000-4-14-1999 + A2-2009 IEC 61000-2-2:2002/AMD2:2018	-	-
Low Frequency Magnetic Immunity	IEC 61000-4-8 (2009); EN 61000-4-8(2010); KN 61000-4-8 (RRA Announce 2016-79, Dec, 19, 2016); KS C 9610-4-8:2017	-	-
Pulse Field Immunity	IEC 61000-4-9(2016), EN 61000-4-9(2016) KN 61000-4-9 (2017); KS C 9610-4-9:2019	-	-
Damped oscillatory magnetic field immunity test	IEC 61000-4-10(2016), EN 61000-4-10(2017)	-	-

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
Power Dips and Interrupts	IEC 61000-4-11 (2020/COR2:2022); EN 61000-4-11 (2004); EN IEC 61000-4-11:2020, IEC 61000-4-29 IEC 61000-4-34:2005+AMD1:2009 BS EN 61000-4-34-2007 +A1:2009 KN 61000-4-11 (RRA Announce 2016-79, Dec, 19, 2016); KS C 9610-4-11	-	-
Ring Wave Immunity	IEC 61000-4-12 (2017), EN 61000-4-12 (2017)	-	-
Harmonics and Interharmonics	IEC 61000-4-13 (2015), EN 61000-4-13 (2009)	-	-
Damped oscillatory wave immunity test	IEC 61000-4-18 (2010)	-	-
Ripple on DC input power port immunity test	IEC 61000-4-17:1999+AMD1:2001+AMD2:2008; BS EN 61000-4-17-1999+A2:2009	-	-
Test for immunity to conducted, differential mode disturbances and signalling in the frequency range 2 kHz to 150 kHz at a.c. power ports	IEC 61000-4-19:2014; BS EN 61000-4-19-2014	-	-
Variation of power frequency, immunity test	BS EN 61000-4-28:2000+A2:2009	-	-

Notes:

1. For Signal Boosters (Part 20) accreditation is required for Commercial Mobile Services (FCC Licensed Radio Services Equipment) and for Signal Booster (Section 90.219) accreditation is required for General Mobile Radio Services (FCC Licensed Radio Service Equipment).
2. Testing performed in support of FCC approval procedures for certification.
3. Testing performed to meet the Requirements for Recognition of Telecommunications Testing – Innovation, Science, and Economic Development (ISED) Canada.
4. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2033.



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