CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Compliance Testing LLC
1724 S. Nevada Way
Mesa, AZ 85204

Fulfills the requirements of

ISO/IEC 17025:2017

and

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

U.S. Department of Homeland Security (DHS) Project 25 Compliance Assessment Program (P25 CAP)

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: 31 August 2024

Certificate Number: AT-2901

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

with

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

and

Recognition of Telecommunications Testing - Innovation, Science, AND Economic Development (ISED) Canada [3]

and

U.S. Department of Homeland Security (DHS) Project 25 Compliance Assessment Program (P25 CAP)[4]

Compliance Testing LLC

1724 S. Nevada Way
Mesa, AZ 85204
Michael Schafer Tel: 480-926-3100
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TESTING

Valid to: **August 31, 2024** Certificate Number: **AT-2901**

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	-	260 000 MHz
Industrial, Scientific, and Medical Equipment (FCC Part 18) Consumer ISM equipment	FCC MP-5, (February 1986)	-	260 000 MHz
Intentional Radiators (FCC Part 15, Subpart C)	ANSI C63.10-2013	-	260 000 MHz
UPCS (FCC Part 15, Subpart D) Unlicensed Personal Communication Systems devices	ANSI C63.17-2013	-	260 000 MHz
U-NII without DFS Intentional Radiators (FCC Part 15, Subpart E) Unlicensed National Information Infrastructure Devices (U-NII without DFS)	ANSI C63.10-2013	KDB Publication 789033	260 000 MHz

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
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)	-	260 000 MHz
UWB Intentional Radiators (FCC Part 15, Subpart F) Ultra-wideband Operation	ANSI C63.10-2013	-	260 000 MHz
BPL Intentional Radiators (FCC Part 15, Subpart G) Access Broadband Over Power Line (Access BPL)	ANSI C63.10-2013	-	260 000 MHz
White Space Device Intentional Radiators (FCC Part 15, Subpart H) White Space Devices	ANSI C63.10-2013	-	260 000 MHz
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	260 000 MHz
General Mobile Radio Services (FCC Licensed Radio Service Equipment) [1] 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	-	260 000 MHz
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	260 000 MHz
Maritime and Aviation Radio Services (FCC Licensed Radio Service Equipment) Part 80 Part 87	ANSI/TIA-603-E or ANSI C63-26-2015	-	260 000 MHz

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
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	260 000 MHz
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	-	260 000 MHz
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]	260 000 MHz

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 5, March 2015 Amendment 1, February 2021	Radio Frequency (RF) Exposure compliance of Radiocommunications Apparatus (All Frequency Bands)	RF Exposure (RF Exp) - Measurement
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	Land Mobile and Fixed Equipment Operating in the Frequency Range (27.41 to 960) MHz	-
RSS-123	Issue 4, August 2019	Licensed Wireless Microphones	-

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-125	Issue 3, June 2020	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	-
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 3, May 2017	Zone Enhancers	-
RSS-132	Issue 3, January 2013	Cellular Telephone Systems Operating in the Bands (824 to 849) MHz and (869 to 894) MHz	-
RSS-133	Issue 6, January 2018 Amendment 1, January 2018	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 3, July 2015	Advanced Wireless Services (AWS) Equipment Operating in the Bands (1 710 to 1 780) MHZ and (2 110 to 2 180) MHz	-
RSS-140	Issue 1, April 2018	Equipment Operating in the Public Safety Broadband Frequency Bands (758 to 768) MHz and (788 to 798) 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 3, July 2015 Amendment, November 2020	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	-

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-182	Issue 6, June 2021	Maritime Radio Transmitters and Receivers in the Band (156 to 162.5) MHz	-
RSS-191	Issue 3, April 2008	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 4, May 2020	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-196	Issue 2, February 2019	Point-to-Multipoint Broadband Equipment Operating in the Bands (512 to 608) MHz and (614 to 698) MHz for Rural Remote Broadband Systems (RRBS) (TV Channels 21 to 51)	-
RSS-197	Issue 1, February 2010	Wireless Broadband Access Equipment Operating in the Band (3 650 to 3 700) MHz	-
RSS-199	Issue 3, December 2016	Broadband Radio Service (BRS) Equipment Operating in the Band (2 500 to 2 690) MHz	-
RSS-210	Issue 10, December 2019 Amendment, April 2020	License-Exempt Radio Apparatus: Category I Equipment	-
RSS-211	Issue 1, March 2015	Level Probing Radar Equipment	-
RSS-213	Issue 3, March 2015	2 GHz License-exempt Personal Communications Service Devices (LE-PCS)	-
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-222	Issue 3, October 2021	White Space Devices (WSDs)	-

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-236	Issue 1, September 2012	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	-
RSS-247	Issue 3, August 2023	Digital Transmission Systems (DTS), Frequency Hopping Systems (FHSs) and License-Exempt Local Area Networks (LE-LAN) Devices	With DFS
RSS-248	Issue 1, November 2021	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 1, September 2017	Intelligent Transportation Systems – Dedicated Short Range Communications (DSRC) – On Board Unit (OBU)	-
RSS-287	Issue 2, March 2014 Amendment, June 2021	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	-

Radio Testing to meet the requirements for the U.S. Department of Homeland Security (DHS) Project 25 Compliance Assessment Program (P25 CAP) [4]

Compliance Assessment Bulletin	Section	Test Type	Test Mode
P25-CAB-CAI_TEST_REQ October 2018, (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D) [5]	2.1.1.1	Conventional Subscriber Unit Performance	Common Air Interface
P25-CAB-CAI_TEST_REQ October 2018, (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D) [5]	2.1.1.2	Trunked Subscriber Unit Performance - FDMA	Common Air Interface
P25-CAB-CAI_TEST_REQ October 2018, (ANSI/TIA-102.CCAA-A and ANSI/TIA-102.CCAB-A) [5]	2.1.1.3	Trunked Subscriber Unit Performance - TDMA	Common Air Interface

Radio Testing to meet the requirements for the U.S. Department of Homeland Security (DHS) Project 25 Compliance Assessment Program (P25 CAP) [4]

Compliance Assessment Bulletin	Section	Test Type	Test Mode
P25-CAB-CAI_TEST_REQ October 2018, (TIA-102.CABA) [5]	2.1.3.1	Conventional Subscriber Unit Interoperability – Direct Mode	Common Air Interface
P25-CAB-CAI_TEST_REQ October 2018, (TIA-102.CABA) [5]	2.1.3.2	Conventional Subscriber Unit Interoperability – FNE Dispatch Monitoring Console – Repeat Mode	Common Air Interface
P25-CAB-CAI_TEST_REQ October 2018, (TIA-102.CABC-C and TIA-102.CABC-B) [5]	2.1.3.4	Trunked Subscriber Unit Interoperability	Common Air Interface – FDMA
Phase 2 P25-CAB-CAI_TEST_REQ October 2018, (TIA-102.CABC-C) [5]	2.1.3.5	Trunked Subscriber Unit Interoperability	Common Air Interface – TDMA
P25-CAB-CAI_TEST_REQ October 2018, (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D) [5]	2.2.1.1	Conventional Base Station / Repeater Performance	Common Air Interface
P25-CAB-CAI_TEST_REQ October 2018, (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D) [5]	2.2.1.2	Trunked Base Station / Repeater Performance	Common Air Interface - FDMA
P25-CAB-CAI_TEST_REQ October 2018, (ANSI/TIA-102.CCAA-A and ANSI/TIA-102.CCAB-A) [5]	2.2.1.3	Trunked Base Station / Repeater Performance	Common Air Interface - TDMA
P25-CAB-CAI_TEST_REQ October 2018, (TIA-102.CABA) [5]	2.2.3.1	Conventional Base Station / Repeater Interoperability – Repeat Mode	Common Air Interface
P25-CAB-CAI_TEST_REQ October 2018, (TIA-102.CABA) [5]	2.2.3.2	Conventional Base Station / Repeater Interoperability	Common Air Interface – FNE Dispatch Monitoring Console - Repeat Mode
P25-CAB-CAI_TEST_REQ October 2018, (TIA-102.CABC-C and TIA-102.CABC-B) [5]	2.2.3.3	Trunked Base Station / Repeater Interoperability	Common Air Interface – FDMA
P25-CAB-CAI_TEST_REQ October 2018, (TIA-102.CABC-C) [5]	2.2.3.4	Trunked Base Station / Repeater Interoperability	Common Air Interface – TDMA
P25-CAB-CAI_TEST_REQ October 2018 (TIA-102.CABC-C) [5]	2.2.3.4	Trunked Base Station / Repeater Interoperability –	Common Air Interface TDMA
P25-CAP_ISSI-CSSI Interop REQ CAB-Rev2 (June 2021) [5]	3.2	ISSI Interoperability Testing Requirements for RFSS 1	FDMA Voice Services over ISSI
P25-CAP_ISSI-CSSI Interop REQ CAB-Rev2 (June 2021) [5]	3.3	ISSI Interoperability Testing Requirements for RFSS 1	TDMA Voice Services over ISSI
P25-CAP_ISSI-CSSI Interop REQ CAB-Rev2 (June 2021) [5]	4.2	CSSI Interoperability Testing Requirements for RFSS 1	FDMA Voice Services over CSSI
P25-CAP_ISSI-CSSI Interop REQ CAB-Rev2 (June 2021) [5]	4.3	CSSI Interoperability Testing Requirements for RFSS 1	TDMA Voice Services over CSSI

Radio Testing to meet the requirements for the U.S. Department of Homeland Security (DHS) Project 25 Compliance Assessment Program (P25 CAP) [4]

Compliance Assessment Bulletin	Section	Test Type	Test Mode
P25-CAP_ISSI-CSSI Interop REQ CAB-Rev2 (June 2021) [5]	5.2	CSSI Interoperability Testing Requirements for Consoles 1	FDMA Voice Services over CSSI
P25-CAP_ISSI-CSSI Interop REQ CAB-Rev2 (June 2021) [5]	5.3	CSSI Interoperability Testing Requirements for Consoles 1	TDMA Voice Services over CSSI
P25-CAP_ISSI-CSSI Conf Test REQ CAB (DEC 2020) [5]	3.1	ISSI Conformance Testing Requirements	Full Rate (FDMA) Group Voice Services
P25-CAP_ISSI-CSSI Conf Test REQ CAB (DEC 2020) [5]	3.2	ISSI Conformance Testing Requirements	Half Rate (TDMA) Group Voice Services
P25-CAP_ISSI-CSSI Conf Test REQ CAB (DEC 2020) [5]	3.3	ISSI Conformance Testing Requirements	Supplementary Data Services
P25-CAP_ISSI-CSSI Conf Test REQ CAB (DEC 2020) [5]	4.1	CSSI Conformance Testing Requirements - RFSS	Full Rate (FDMA) Group Voice Services
P25-CAP_ISSI-CSSI Conf Test REQ CAB (DEC 2020) [5]	4.2	CSSI Conformance Testing Requirements - RFSS	Half Rate (TDMA) Group Voice Services
P25-CAP_ISSI-CSSI Conf Test REQ CAB (DEC 2020) [5]	4.3	CSSI Conformance Testing Requirements - RFSS	Full Rate (FDMA) Unit To Unit Voice Services
P25-CAP_ISSI-CSSI Conf Test REQ CAB (DEC 2020) [5]	4.4	CSSI Conformance Testing Requirements - RFSS	Half Rate (TDMA) Unit To Unit Voice Services
P25-CAP_ISSI-CSSI Conf Test REQ CAB (DEC 2020) [5]	4.5	CSSI Conformance Testing Requirements - RFSS	Supplementary Data Services
P25-CAP_ISSI-CSSI Conf Test REQ CAB (DEC 2020) [5]	5.1	CSSI Conformance Testing Requirements - Console	Full Rate (FDMA) Group Voice Services
P25-CAP_ISSI-CSSI Conf Test REQ CAB (DEC 2020) [5]	5.2	CSSI Conformance Testing Requirements - Console	Half Rate (TDMA) Group Voice Services
P25-CAP_ISSI-CSSI Conf Test REQ CAB (DEC 2020) [5]	5.3	CSSI Conformance Testing Requirements - Console	Full Rate (FDMA) Unit To Unit Voice Services
P25-CAP_ISSI-CSSI Conf Test REQ CAB (DEC 2020) [5]	5.4	CSSI Conformance Testing Requirements - Console	Half Rate (TDMA) Unit To Unit Voice Services
P25-CAP_ISSI-CSSI Conf Test REQ CAB (DEC 2020) [5]	5.5	CSSI Conformance Testing Requirements - RFSS	Supplementary Data Services

Radio Testing to meet the requirements for the U.S. Department of Homeland Security (DHS) Project 25 Compliance Assessment Program (P25 CAP) [4]

Compliance Assessment Bulletin	Section	Test Type	Test Mode
ISSI/CSSI Interoperability Test Requirements CAB, Revision 2 (June 2021)	-	Inter Sub System Interface/Console Sub System Interface-Interoperability	-
ISSI/CSSI Conformance Testing Requirements (Dec 2020)	-	Inter Sub System Interface/Console Sub System Interface-Conformance	-

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
Radiated and Conducted Emissions	FCC Part 15 Subpart B (using ANSI C63.4:2014); FCC Part 18 (using MP-5:1986); ICES-001; ICES-003; ICES-005; CISPR 11; AS/NZS CISPR 11; EN 55011; IEC 55011; KS C 9811:2019; CNS 13803; CISPR 13; EN 55013; CNS 15936 (2016); CISPR 14-1 (excluding click measurements and disturbance power measurements); EN 55014-1 (excluding click measurements and disturbance power measurements); EN 50083-1; EN 50083-2; CISPR 32; AS/NZS CISPR 32; EN 55032; KS C 9832:2019; EN 55015 (excluding LLAS radiated disturbance measurement); CISPR 15; CISPR 20; EN 55020	up to 200 GHz	3m semi-anechoic chamber
	EN 55103-1; EN 55103-2; CNS 15936 (2016)	up to 6 GHz	
	VCCI V-3	up to 6 GHz	
Current Harmonics	EN 61000-3-2; IEC 61000-3-2; KS C 9610-3-2	-	-
Voltage Fluctuations and Flicker	EN 61000-3-3; IEC 61000-3-3; KS C 9610-3-3	-	-
Immunity Electrostatic Discharge (ESD)	EN 61000-4-2; IEC 61000-4-2; KS C 9610-4-2	-	-
Radiated Immunity	EN 61000-4-3, IEC 61000-4-3	(up to 10V/m @ 1GHz, up to 10V/m @ 6.0 GHz);	-

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
Radiated Immunity	KS C 9610-4-3	-	-
Immunity EFT/Burst	EN 61000-4-4; IEC 61000-4-4; KS C 9610-4-4; IEC 61000-4-4:2012	-	-
Immunity Surge	EN 61000-4-5; IEC 61000-4-5; KS C 9610-4-5	-	-
Immunity to Conducted Disturbances	EN 61000-4-6; IEC 61000-4-6; KS C 9610-4-6	-	-
Power Frequency Magnetic Field	EN 61000-4-8; IEC 61000-4-8; KS C 9610-4-8	-	excluding short duration mode
Immunity Voltage Dips, Short Interruptions and Line Voltage Variations, Unbalance, and Line Frequency Variations	EN 61000-4-11; IEC 61000-4-11; KS C 9610-4-11; IEC 61000-4-14; IEC 61000-4-27; IEC 61000-4-28; IEC 61000-4-29; IEC 61000-4-34, IEC 61000-4-39	-	-
Immunity Harmonics and Interharmonics	IEC 61000-4-13	-	-
Various	CISPR 35; IEC 55035; EN 55035	-	-
RF Exposure (Maximum Permissible Exposure)	IEEE C95.1-1999; IEEE C95.1-2005; IEEE C95.3-2002	-	-
AGC Threshold Out-of-Band Rejection Input-Versus-Output Signal Comparison Mean Output Power and Amplifier Gain Out-of-Band/Block Emissions Conducted Spurious Emissions Conducted Frequency Stability Spurious Emissions Radiated	KDB 935210 D05 v01 Industrial Booster Measurement, KDB 586862, KDB 842590 D01 Upper Microwave Flexible Use Service v01r02, ANSI C63.26-2015, FCC Part 2, Part 30-Industrial Booster	9 kHz to 260 GHz	EMI Receiver, Vector Signal Generator, Mixers, Horn Antenna, Bi-Log Antenna, Millimeter Wave Source Modules, Anechoic Chamber 3 m

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
Generic, Product Family, and Product Specific Standards			
Industrial and Residential	EN 61000-6-1, -2, -3, -4; KS C 9610-6-1, -2, -3, -4	-	-
ITE	EN 55024; CISPR 24	-	-
Laboratory	EN 61326; IEC 61326	-	-
Maritime	EN 60945:2002; IEC 60945:2002	-	Only Paragraphs 9 and 10
Medical	EN 60601-1-2; IEC 60601-1-2	-	-
Household Appliances, Electric Tools and Similar Apparatus	CISPR 14-2	-	-
EMC for Radio Equipment	EN 301 489-1, EN 301 489-2, through -37; EN 301 489-50; KS C 9610-6-1, -2, -3, -4; KS X 3137:2014; KS X 3125:2020; KS X 3127:2014; KS X 3128:2014; KS X 3130:2014; KS X 3131:2014; KS X 3126:2020; KS X 3132:2014; KS X 3139:2014; KS X 3134:2014; KS X 3138:2015	-	-
RF Measurements	ATS (American Traffic Solutions) RR24F-ST3 Tracking Radar Sensor Verification; ATS RR24F-SD2, Smartmicro -Model: UMRR T44 Model: UMRR-12 T48 Radar Sensor Verification (Clause 3)	-	-

Radio

Test Method	Test Specification(s)	Range	Comments
Intentional and Unintentional Radiators to FCC Regulations (TCB Scopes A1-A4 and B1-B4)	47 CFR Parts 2 and 11; 47 CFR Part 15 B, C, D, E, F, and G (using ANSI C63.4:2014, ANSI C63.10:2013, ANSI C63.17:2013,); 47 CFR Part 18 (using FCC MP-5:1986); 47 CFR Parts 20, 22 (cellular and non-cellular), 24, 25, 27, 30, 73, 74, 80, 87, 90, 95, 96, 97, and 101 (using Part 2 ANSI/TIA 603-D, ANSI/TIA 603-E and/or FCC KDB 905462 D02 (v02) and ANSI C63.26:2015)	-	-

Radio

Test Method	Test Specification(s)	Range	Comments
Europe (RF Sections Only)	ETSI EN 300 086; ETSI EN 300 113; ETSI EN 300 162-1, -2, -3; ETSI EN 300 219; ETSI EN 300 220-1, -2; ETSI EN 300 224; ETSI EN 300 296; ETSI EN 300 328; ETSI EN 300 330; ETSI EN 300 341; ETSI EN 300 373-1, -2; ETSI EN 300 390; ETSI EN 300 422-1, -2; ETSI EN 300 440-1, -2; ETSI EN 300 454/A1; ETSI EN 300 454-1, -2; ETSI EN 300 609; ETSI EN 300 720; ETSI EN 301 357; ETSI EN 301 441; ETSI EN 301 443; ETSI EN 301 444; ETSI EN 301 473; ETSI EN 301 502; ETSI EN 301 511; ETSI EN 301 843-1, -2, -4, -5, -6; ETSI EN 301 893; ETSI EN 301 908-1 through -25; ETSI EN 302 064-1, -2; ETSI EN 302 066; ETSI EN 302 065; ETSI EN 302 194-1, -2; ETSI EN 302 208-1, -2; ETSI EN 302 217-1, -2, -4; ETSI EN 302 264 v2.1.1; ETSI EN 302 291-1, -2; ETSI EN 302 326-2, -3; ETSI EN 302 502; ETSI EN 302 571; ETSI EN 303 396 v1.1.1	-	-
Hong Kong (HKCA)	HKCA 1001; HKCA 1002; HKCA 1003; HKCA 1004; HKCA 1005; HKCA 1006; HKCA 1007; HKCA 1008; HKCA 1010; HKCA 1016; HKCA 1035; HKCA 1036; HKCA 1037; HKCA 1039; HKCA 1041; HKCA 1042; HKCA 1044; HKCA 1045; HKCA 1046; HKCA 1048; HKCA 1049; HKCA 1051	-	-
Australia Harmonized	AS/NZS 4295; AS/NZS 4365; AS/NZS ETSI EN 301178:2018 AS/NZS 4280; AS/NZS 4583; AS/NZS 4768	-	-
Australia Non-Harmonized	AS/ACIF S042.1; AS/NZS 4268; AS 4367	-	-
Taiwan	LP0002:2020	-	-
Singapore	IMDA TS CMT (RF Requirements Only); IMDA TS SRD; IMDA TS WBA; IDA TS EMC; IDA TS RPG	-	-
Japan	ARIB STD T-33; ARIB STD-T66; ARIB STD-T67; ARIB STD-T75; ARIB STD-T91; ARIB STED T-96; ARIB STD-108	-	-

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. Meets the requirements of the FCC equipment authorization program as detailed in 47 CFR Part 2 Subpart J as defined in the ANAB SR 2412 U.S. Federal Communication Commission (FCC) EMC and Telecommunications (EC&T) Testing Designation Accreditation Program. Recognition by the FCC can be confirmed by visiting their website https://apps.fcc.gov/oetcf/eas/reports/TestFirmSearch.cfm.
3. Testing performed to meet the Requirements for Recognition of Telecommunications Testing – Innovation, Science, and Economic Development (ISED) Canada. Recognition by ISED can be confirmed by visiting their website https://www.ic.gc.ca/eic/site/mra-arm.nsf/eng/h_nj00091.html.
4. This laboratory meets the requirements of the Department of Homeland Security (DHS) Project 25 Compliance Assessment Program (P25 CAP) as defined in ANAB SR 2428 Accreditation Program. Confirmation of laboratory recognition by visiting DHS listing of recognized laboratories.
5. Onsite testing, at sites other than the laboratory location is available for this parameter.
6. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2901.

Jason Stine, Vice President