



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.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 31 August 2022
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

Compliance Testing LLC

1724 S. Nevada Way

Mesa, AZ 85204

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TESTING

Valid to: **August 31, 2022**

Certificate Number: **AT-2901**

Testing performed in support of FCC approval procedures for certification

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	-	200 000 MHz
Industrial, Scientific, and Medical Equipment (FCC Part 18) Consumer ISM equipment	FCC MP-5, (February 1986)	-	200 000 MHz
Intentional Radiators (FCC Part 15, Subpart C)	ANSI C63.10-2013	-	200 000 MHz
UPCS (FCC Part 15, Subpart D) Unlicensed Personal Communication Systems devices	ANSI C63.17-2013	-	200 000 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	200 000 MHz
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)	-	200 000 MHz
UWB Intentional Radiators (FCC Part 15, Subpart F) Ultra-wideband Operation	ANSI C63.10-2013	-	200 000 MHz

Testing performed in support of FCC approval procedures for certification

Type of Device Examples	Scope of Accreditation	Supporting FCC Guidance	Comments/Maximum Frequency Tested
BPL Intentional Radiators (FCC Part 15, Subpart G) Access Broadband Over Power Line (Access BPL)	ANSI C63.10-2013	-	200 000 MHz
White Space Device Intentional Radiators (FCC Part 15, Subpart H) White Space Devices	ANSI C63.10-2013	-	200 000 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	200 000 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	-	200 000 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	200 000 MHz
Maritime and Aviation Radio Services (FCC Licensed Radio Service Equipment) Part 80 Part 87	ANSI/TIA-603-E or ANSI C63-26-2015	-	200 000 MHz
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	200 000 MHz

Testing performed in support of FCC approval procedures for certification

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	-	200 000 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]	200 000 MHz

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; KN 11; CNS 13803; CISPR 13; EN 55013; CNS 13439; 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; KN 32; EN 55015 (excluding LLAS radiated disturbance measurement); CISPR 15; CISPR 20; EN 55020; KN 20; CISPR 22; AS/NZS CISPR 22; EN 55022; KN 22;	up to 200 GHz	3m semi-anechoic chamber
	EN 55103-1; EN 55103-2; CNS 13438	up to 6 GHz	
	VCCI V-3	up to 6 GHz	
Current Harmonics	EN 61000-3-2; IEC 61000-3-2; KN 61000-3-2	-	-
Voltage Fluctuations and Flicker	EN 61000-3-3; IEC 61000-3-3; KN 61000-3-3	-	-

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
Immunity Electrostatic Discharge (ESD)	EN 61000-4-2; IEC 61000-4-2; KN 61000-4-2	-	-
Radiated Immunity	EN 61000-4-3, IEC 61000-4-3	(up to 10V/m @ 1GHz, up to 10V/m @ 6.0 GHz);	-
	KN 61000-4-3	-	-
Immunity EFT/Burst	EN 61000-4-4; IEC 61000-4-4; KN 61000-4-4; IEC 61000-4-4:2004 + Cor 1:2006 + Cor 2:2007	-	-
Immunity Surge	EN 61000-4-5; IEC 61000-4-5; KN 61000-4-5	-	-
Immunity to Conducted Disturbances	EN 61000-4-6; IEC 61000-4-6; KN 61000-4-6	-	-
Power Frequency Magnetic Field	EN 61000-4-8; IEC 61000-4-8; KN 61000-4-8	-	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; KN 61000-4-11; IEC 61000-4-14; IEC 61000-4-27; IEC 61000-4-28; IEC 61000-4-29; IEC 61000-4-34	-	-
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	-	-

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
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 v01r01, 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; KN 61000-6-1, -2, -3, -4	-	-
ITE	EN 55024; CISPR 24; KN 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; KN 301 489-01; KN 301 489-02; KN 301 489-03; KN 301 489-05; KN 301 489-06; KN 301 489-07; KN 301 489-09; KN 301 489-13; KN 301 489-17; KN 301 489-18; KN 301 489-20; KN 301 489-24; KN 301 489-26; KN 301 489-27; KN 301 489-32	-	-

Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
Generic, Product Family, and Product Specific Standards			
RF Measurements	ATS (American Traffic Solutions) RR24F-ST3 Tracking Radar Sensor Verification; ATS RR24F-SD2 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)	-	-
Innovation Science and Economic Development Canada Radio Standards Specifications (RSS in Category I Equipment Standards List)	RSS-102 (RF Exp) Issue 5, 2015-3; RSS-111 Issue 5, 2014-9; RSS-112 Issue 1, 2008-2; RSS-117 Issue 3, 2016-1; RSS-119 Issue 12, 2015-5; RSS-123 Issue 4, 2019-8; RSS-125 Issue 3, 2020-6; RSS-127 Issue 1, 2009-8; RSS-130 Issue 2, 2019-2; RSS-131 Issue 3, 2017-5; RSS-132 Issue 3, 2013-1; RSS-133 Issue 6, 2013-1, Amend 2018-1; RSS-134 Issue 2, 2016-2; RSS-135 Issue 2, 2009-6; RSS-137 Issue 2, 2009-2; RSS-139 Issue 3, 2015-7; RSS-140 Issue 1, 2018-4; RSS-141 Issue 2, 2010-6; RSS-142 Issue 5, 2013-4; RSS-170 Issue 3, 2015-7; RSS-181 Issue 2, 2019-8, Amend 2020-2; RSS-182 Issue 5, 2012-1; RSS-191 Issue 3, 2008-4; RSS-192 Issue 4, 2020-5; RSS-194 Issue 1, 2007-10; RSS-195 Issue 2, 2014-4; RSS-196 Issue 2, 2019-2; RSS-197 Issue 1, 2010-2; RSS-199 Issue 3, 2016-12; RSS-210 Issue 10, 2019-12; RSS-211 Issue 1, 2015-3; RSS-213 Issue 3, 2015-3; RSS-215 Issue 2, 2009-6; RSS-216 Issue 2, 2016-1; RSS-220 Issue 1, 2009-3, Amend 2018-7; RSS-222 Issue 2, 2020-1; RSS-236 Issue 1, 2012-11; RSS-238 Issue 1, 2013-7; RSS-243 Issue 3, 2010-2;	-	-

Radio

Test Method	Test Specification(s)	Range	Comments
Innovation Science and Economic Development Canada Radio Standards Specifications (RSS in Category I Equipment Standards List)	RSS-244 Issue 1, 2013-6; RSS-247 (with DFS) Issue 2, 2017-2; RSS-251 Issue 2, 2018-7; RSS-252 Issue 1, 2017-9; RSS-287 Issue 2, 2014-3; RSS-288 Issue 1, 2012-1; RSS-310 Issue 5, 2020-1; RSS-GEN Issue 5 Amend 1, 2019-3	-	-
Europe (RF Sections Only)	ETSI EN 300 086; ETSI EN 300 113; ETSI EN 300 162-1, -2, -3; ETSI EN 300 219-1, -2; ETSI EN 300 220-1, -2; ETSI EN 300 224; ETSI EN 300 296-1, -2; ETSI EN 300 328; ETSI EN 300 330-1, -2; ETSI EN 300 341; ETSI EN 300 373-1, -2; ETSI EN 300 390-1, -2; 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 300 720-1, -2; ETSI EN 301 357-1, -2; 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 301 840-1, -2; ETSI EN 301 843-1, -2, -3, -4, -5, -6; ETSI EN 301 893; ETSI EN 301 908-1 through -20; ETSI EN 302 064-1, -2; ETSI EN 302 066-1, -2; ETSI EN 302 065; ETSI EN 302 194-1, -2; ETSI EN 302 208-1, -2; ETSI EN 302 217-1, -2, -3, -4; ETSI EN 302 291-1, -2; ETSI EN 302 326-1, -2; ETSI EN 302 426; ETSI EN 302 502; ETSI EN 302 571; ETSI EN 302 645; ETSI EN 303 035-1, -2	-	-
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 4415; AS/NZS 4280; AS/NZS 4583; AS/NZS 4769; AS/NZS 4582; AS/NZS 4768	-	-
Australia Non-Harmonized	AS/ACIF S042.1; AS/ACIF S042.3; AS/NZS 4268; AS/NZS 4281; AS/NZS 4355; AS 4367; AS/NZS 4771	-	-
Taiwan	LP0002	-	-

Radio

Test Method	Test Specification(s)	Range	Comments
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	-	-
Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Performance	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.1.1 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.1.1 (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D)	-	-
Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Performance - FDMA	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.1.2 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.1.2 (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D)	-	-
Project 25 Phase 2 Common Air Interface Trunked Subscriber Unit Performance - TDMA	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.1.3 (using ANSI/TIA-102.CCAA-A and ANSI/TIA-102.CCAB-A)	-	-
Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Interoperability – Direct Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.1 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.3.1 (TIA-102.CABA)	-	-
Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Interoperability – Repeat Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.2 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.3.2 (TIA-102.CABA)	-	-
Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Interoperability – FNE Dispatch Monitoring Console – Repeat Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.3 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.3.2 (TIA-102.CABA)	-	-

Radio

Test Method	Test Specification(s)	Range	Comments
Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability – FDMA	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.4 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.3.3 (TIA-102.CABC-C and TIA-102.CABC-B)	-	-
Project 25 Phase 2 Common Air Interface Trunked Subscriber Unit Interoperability – TDMA	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.5 (using TIA-102.CABC-C)	-	-
Project 25 Phase 1 Common Air Interface Conventional Base Station / Repeater Performance	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.1.1 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.1.1 (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D)	-	-
Project 25 Phase 1 Common Air Interface Trunked Base Station / Repeater Performance - FDMA	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.1.2 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.1.2 (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D)	-	-
Project 25 Phase 2 Common Air Interface Trunked Base Station / Repeater Performance - TDMA	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.1.3 (ANSI/TIA-102.CCAA-A and ANSI/TIA-102.CCAB-A)	-	-
Project 25 Phase 1 Common Air Interface Conventional Base Station / Repeater Interoperability – Repeat Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.3.1 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.3.1 (TIA-102.CABA)	-	-
Project 25 Phase 1 Common Air Interface Conventional Base Station / Repeater Interoperability – FNE Dispatch Monitoring Console - Repeat Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.3.2 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.3.1 (TIA-102.CABA)	-	-

Radio

Test Method	Test Specification(s)	Range	Comments
Project 25 Phase 1 Common Air Interface Trunked Base Station / Repeater Interoperability – FDMA	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.3.3 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.3.2 (TIA-102.CABC-C and TIA-102.CABC-B)	-	-
Project 25 Phase 2 Common Air Interface Trunked Base Station / Repeater Interoperability – TDMA	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.3.4 (using TIA-102.CABC-C)	-	-
Subscriber Unit Performance Phase 1 Conventional Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.1.1 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.1.1 (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D)	-	-
Subscriber Unit Performance Phase 1 Trunked Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.1.2 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.1.2 (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D)	-	-
Subscriber Unit Performance Phase 2 Trunked Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.1.3 (ANSI/TIA-102.CCAA-A and ANSI/TIA-102.CCAB-A)	-	-
Base Station / Repeater Performance Phase 1 Conventional Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.1.1 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.1.1 (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D)	-	-
Base Station / Repeater Performance Phase 1 Trunked Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.1.2 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.1.2 (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D)	-	-
Base Station / Repeater Performance Phase 2 Trunked Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.1.3 (ANSI/TIA-102.CCAA-A and ANSI/TIA-102.CCAB-A)	-	-
Subscriber Unit Interoperability Phase 1 Conventional Direct Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.1 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.3.1 (TIA-102.CABA)	-	-
Subscriber Unit Interoperability Phase 1 Conventional Repeat Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.2 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.3.2 (TIA-102.CABA)	-	-

Radio

Test Method	Test Specification(s)	Range	Comments
Subscriber Unit Interoperability Phase 1 Conventional Repeat Mode with Dispatch Monitoring Console	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.3 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.3.2 (TIA-102.CABA)	-	-
Subscriber Unit Interoperability Phase 1 Trunked Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.4 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.3.3 (TIA-102.CABC-C and TIA-102.CABC-B)	-	-
Subscriber Unit Interoperability Phase 2 Trunked Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.5 (TIA-102.CABC-C)	-	-
Base Station / Repeater Interoperability Phase 1 Conventional Repeat Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.3.1 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.3.1 (TIA-102.CABA)	-	-
Base Station / Repeater Interoperability Phase 1 Conventional Repeat Mode with Dispatch Monitoring Console	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.3.2 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.3.1 (TIA-102.CABA)	-	-
Base Station / Repeater Interoperability Phase 1 Trunked Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.3.3 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.3.2 (TIA-102.CABC-C and TIA-102.CABC-B)	-	-
Base Station / Repeater Interoperability Phase 2 Trunked Mode	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.3.4 (TIA-102.CABC-C)	-	-
P25 CAP Inter Sub System Interface/Console Sub System Interface-Interoperability1	P25-CAB-ISSI-CSSI_INTEROPERABILITY_TEST_REQ	-	-

Electrical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Product Safety			
Input, Touch Current, Dielectric Withstand, Continuity test, Faults	IEC/EN 61010-1:2017	Measurement, Control, and Laboratory Equipment	-
Input, Touch Current, Dielectric Withstand, Continuity test, Faults	IEC/EN 61010-2-101:2018	Measurement, Control, and Laboratory Equipment	-
Electric strength test, Input Test, DC mains polarity test, Max load at output term's, Reverse battery polarity, Simulated single fault, Temp controlling device, Short circuit or disconnection of passive components, Battery charging and discharging under single fault conditions, Overload test, Voltage surge test, Test for external circuits – paired conductor cable,	IEC/EN 62368-1:2018	Audio/video, information and communication technology equipment Part 1: Safety requirements	-
Electric shock	UL 60950-22:2017	Information Technology Equipment – Safety – Part 22: Equipment to be Installed Outdoors	-
Continuity of protective bonding, Insulation Resistance, Voltage Test, Protection against residual voltage	IEC/EN 60204-1:2016	Safety of machinery – Electrical equipment of machines – Part 1: General requirements.	-
Input Temperature/Heating, Electric strength, Leakage current	IEC 60335-1 Amd.1 Ed. 5.0 b cor.1:2014 - Amendment 1	Household and Similar Electrical Appliances - Safety - Part 1: General Requirements	-

Electrical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Product Safety			
Input Temperature/Heating, Electric strength, Leakage current	IEC 60335-2-75:2012	Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines	-

Environmental

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Product Safety			
Humidity, Water Ingress	IEC/EN 61010-1:2017	Measurement, Control, and Laboratory Equipment	-
Humidity, Water Ingress	IEC/EN 61010-2-101:2018	Safety requirements for electrical equipment for Measurement, Control, and Laboratory use – Part 2-101: Particular requirements for invitro diagnostic (IVD) medical equipment	-

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Product Safety			
Impact, Drop, Accessibility	IEC/EN 61010-1:2017	Measurement, Control, and Laboratory Equipment	-

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Product Safety			
Test for semiconductor components and cemented joint, Stability of equipment, Horizontal force test, Cart, stand or carrier loading test, Mechanical strength test, Permanence of markings, Ventilation tests, Steady force test 10 N, Steady force test 30 N, Steady force test 100 N, Steady force test 250 N, Enclosure impact test, Drop test, Stress relief test, Water spray test, Impact test	IEC/EN 62368-1:2018	Audio/video, information and communication technology equipment Part 1: Safety requirements	-
Impact test, Ventilation test, Gasket tests, Compression test, Water spray test	UL 60950-22:2017	Information Technology Equipment – Safety – Part 22: Equipment to be Installed Outdoors	-
Ingress protection	IEC/EN 60204-1:2016	Safety of machinery – Electrical equipment of machines – Part 1: General requirements.	-
Stability, Pull Force	IEC 60335-1 Amd.1; Ed. 5.0 b cor.1:2014 - Amendment 1	Household and Similar Electrical Appliances - Safety - Part 1: General Requirements	-
Stability, Pull Force	IEC 60335-2-75:2012	Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines	-

Thermal

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Product Safety			
Temperature Rise	IEC/EN 61010-1:2017	Measurement, Control, and Laboratory Equipment	-

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. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2901.



R. Douglas Leonard Jr., VP, PILR SBU