



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ELECTRICAL (EMC)

Valid to: December 31, 2021

Certificate Number: 0955.01

In recognition of the successful completion of the A2LA evaluation, accreditation is granted to this laboratory to perform the following tests on the following product types: Medical, Scientific, Industrial, Consumer, Automotive, Commercial, Telecommunications, Military, Wireless, Marine, Test and Measurement, Aerospace, Lightning and Lasers, Information Technology Equipment, and Radio equipment:

Test Technology:

Test Method(s) ¹:

***Unintentional Emissions
Radiated and Conducted
US (FCC)***

Unintentional Radiators

FCC Part 15B (using ANSI C63.4:2014)²;

Industrial, Scientific, and Medical
(Consumer ISM)

FCC Part 18 (using MP-5:1986);

Canada (ISED)

Unintentional Radiators

ICES-002²; ICES-003²

Industrial, Scientific and Medical
(ISM) Radio Frequency
Generators

ICES-001

Lighting Equipment

ICES-005

Japan

Unintentional Radiators

VCCI V-3 (up to 6 GHz); VCCI-CISPR 32:2016 (up to 6 GHz)

International

Harmonic Current Emissions

EN 61000-3-2; IEC 61000-3-2; AS/NZS 61000.3.2

Fluctuation and Flicker

EN 61000-3-3; IEC 61000-3-3; AS/NZS 61000.3.3

Test Technology:

Test Method(s) ¹:

Unintentional Radiators

EN 55011; CISPR 11; AS/NZS CISPR 11; CISPR 12; CISPR 14-1; EN 55022 (2010); CISPR 22-2008 (*Excluding Section 9.6*); AS/NZS CISPR 22; CISPR 32; EN 55032; AS/NZS CISPR 32; EN 61000-6-3; IEC 61000-6-3; EN 61000-6-4; IEC 61000-6-4

***Intentional Emissions
Unlicensed Transmitters &
Receivers***
**US (FCC) (Excluding SAR and
DFS)**

Intentional Radiators

47 CFR, FCC Part 15 C Unlicensed Transmitters (using ANSI C63.10:2013)²

UPCS

47 CFR, FCC Part 15 D Unlicensed Personal Communication Systems (using ANSI C63.17:2013)

U-NII without DFS Intentional Radiators

47 CFR, FCC Part 15 E U-NII without DFS (using ANSI C63.10:2013)

Ultra-Wideband Intentional Radiators

47 CFR, FCC Part 15 F Ultra-Wideband (using ANSI C63.10:2013)

Access Broadband Over Power Line (Access BPL)

47 CFR, FCC Part 15 G Ultra-Wideband (using ANSI C63.10:2013)

White Space Device Intentional Radiators

47 CFR, FCC Part 15 H White Space Device (using ANSI C63.10-2013)

Canada (ISED) (Excluding SAR and DFS)

Intentional Radiators License Exempt

RSS-Gen²; RSS-210²; RSS-211²; RSS-213²; RSS-215²; RSS-216²; RSS-220²; RSS-222; RSS-236; RSS-238; RSS-243; RSS-244; RSS-246²; RSS-247 (without DFS)²; RSS-251²; RSS-252²; RSS-287²; RSS-288²; RSS-310²; RSS-102 (RF Exposure and NS)²; SPR-002²

Canadian Broadcasting Standards

BETS-1; BETS-4; BETS-5; BETS-6; BETS-8; BETS-9

Australia/New Zealand (Excluding SAR and DFS)

Unlicensed Transmitter / Receiver Emissions

AS/NZS 4268;

Test Technology:

EU Radio

EU Radio Test (Excluding DFS, OTA, Relative Humidity, Salt Spray, Rain, and Vibration)

Test Method(s) ¹:

EN 300 086-2; EN 300 113; EN 300 135-2; EN 300 219-2;
EN 300 220-1; ETSI EN 300 220-2; ETSI EN 300 220-3;
EN 300 220-4; EN 300 224; EN 300 296; EN 300 328;
ETSI EN 300 330; EN 300 341-2; EN 300 373-2; EN 300 373-3;
EN 300 390; ETSI EN 300 440-2; EN 300 422-1; EN 300 422-2;
EN 300 422-3; EN 300 422-4; EN 300 433; EN 300 440;
EN 300 676-2; EN 300 391-1; EN 300 391-2; EN 300 394-1;
EN 300 396-2; EN 300 698-2; EN 300 698-3; EN 300 720-2;
EN 300 392-2; EN 300 394-1; EN 301 025-2;
EN 301 025-3; EN 301 091-1; EN 301 091-2;
EN 301 091-3; EN 301 166-1; EN 301 166-2; EN 301 178-2;
EN 301 357-2; EN 301 426; EN 301 598; EN 301 793;
EN 301 839; EN 301 843-2; EN 301 893; EN 301 908-1;
EN 301 908-2; EN 301 908-3; EN 301 908-8; EN 301 908-11;
EN 301 908-13; EN 301 908-14; EN 301 908-15; EN 301 908-18;
EN 301 908-20; EN 302 065; EN 302 066 EN 302 195;
EN 302 208; EN 302 248; EN 302 288-2; EN 302 291-1;
EN 302 291-2; EN 302 537; EN 302 858-1; EN 302 858-2;
EN 302 885-2; EN 302 885-3; EN 303 035-1; EN 303 035-2;
EN 301 126-1; EN 301 126-3-1; EN 301 360; EN 301 390;
EN 302 217-1; EN 302 217-2-1; EN 302 217-2-2; EN 302 217-3;
EN 302 217-4-2; EN 302 264-2; EN 302 326-2; EN 301 459;
EN 302 567; EN 303 035-1; EN 305 550-2; EN 303 978;
ETSI EN 301 908-1 V4.2.1_2010_03; ETSI EN 301 908-1;
ETSI TS 125 141 V8.8.0_2009_10; ETSI TS 125 141;
ETSI TS 134 121-1 V8.8.0_2009_11; ETSI TS 134 121-1;
ETSI TS 125 143 V8.3.0_2009_10; ETSI TS 125 143;
ETSI TS 137 141 V11.3.0_2013_02; ETSI TS 137 141;
ETSI TS 151 021 V13.9.0_2020_04; ETSI TS 151 021;
ETSI TS 138 104 V15.2.0_2018_07; ETSI TS 138 104;
ETSI TS 138 141-2 V15.2.0_2019_07; ETSI TS 138 141-2;
ETSI TS 138 101-2 V15.3.0_2018_10; ETSI TS 138 101-2;
ETSI TS 138 521-2 V15.2.0_2019_05; ETSI TS 138 521-2;
ETSI TS 138 104 V15.2.0_2018_07; ETSI TS 138 104;
ETSI TS 138 141-1 V15.0.0_2019_04; ETSI TS 138 141-1;
ETSI TS 138 101-1 V15.3.0_2018_10; ETSI TS 138 101-1;
ETSI TS 138 521-1 V15.3.0_2019_07; ETSI TS 138 521-1;
ETSI TS 138 101-3 V15.3.0_2018_02; ETSI TS 138 101-3;
ETSI TS 138 521-3 V15.2.0_2019_05; ETSI TS 138 521-3;
ETSI TS 137 104 V15.4.0_2018_10; ETSI TS 137 104;
ETSI TS 137 141 V11.3.0_2013_02; ETSI TS 137 141

Test Technology:

Test Method(s) ¹:

Radio

Licensed Transmitters &

Receivers

US (FCC)

Commercial Mobile Services

47 CFR, FCC Parts 22 (cellular), 24, 25 (below 3 GHz), 27 (using ANSI C63.26:2015, ANSI/TIA-603-E, and TIA-102.CAAA-E) ²

General Mobile Radio Services

47 CFR, FCC Parts 22 (non-cellular), 90 (below 3 GHz), 95 (below 3 GHz), 97 (below 3 GHz), and 101 (below 3 GHz) (using ANSI C63.26:2015, ANSI/TIA-603-E, and TIA-102.CAAA-E)

Citizens Broadband Radio Services

47 CFR, FCC Part 96 (using ANSI C63.26:2015, ANSI/TIA-603-E, and TIA-102.CAAA-E)

Broadcast Radio Services

47 CFR, FCC Parts 73 and 74 (below 3 GHz) (using ANSI C63.26:2015, ANSI/TIA-603-E, and TIA-102.CAAA-E)

Signal Boosters

47 CFR, FCC Parts 20 and 90.219 (using ANSI C63.26:2015)

Maritime and Aviation Radio Services

47 CFR, FCC Parts 80 and 87 (using ANSI C63.26:2015 and ANSI/TIA-603-E) ²

Microwave and Millimeter Bands Radio Services

47 CFR, FCC Parts, 25, 30, 74, 90 (above 3 GHz), 95 (above 3 GHz), 97 (above 3 GHz), and 101 (using ANSI C63.26:2015, ANSI/TIA-603-E, and TIA-102.CAAA-E)

Canada (ISED)

Licensed Transmitters & Receivers
(*Excluding SAR & DFS*)

RSS-Gen²; RSS-111²; RSS-112²; RSS-117²; RSS-119²; RSS-123²; RSS-125²; RSS-127²; RSS-130²; RSS-131²; RSS-132²; RSS-133²; RSS-134²; RSS-135²; RSS-137²; RSS-139²; RSS-140²; RSS-141²; RSS-142²; RSS-170²; RSS-181²; RSS-182²; RSS-191²; RSS-192²; RSS-194²; RSS-195²; RSS-196²; RSS-197²; RSS-199²; RSS-102 (RF Exposure and NS) ²; SPR-002²

International

Licensed Transmitters

ANSI/TIA-603-E

RF Exposure Evaluation
(*Excluding SAR*)

EN 62233; EB 62479; EN 62311; EN 50385; EN 50364; EN 50663; EN 50665; IEEE C95.3; IEEE Std C95.1; IEC/EN 62209-1; IEC/EN 62209-2

Australia/New Zealand

Licensed Transmitters & Receivers

AS/NZS 4365; AS/NZS 4415.1; AS/NZS 4415.1 Amendment 1; AS/NZS 4415.2; AS/NZS 4415.2 Amendment 1; AS/NZS 4583; AS/NZS 4770; AS/NZS 4769.1; AS/NZS 4769.2; AS/NZS 4582; AS 4367; AS/NZS 4295; AS/NZS 4768.1

Test Technology:

Test Method(s) ¹:

Telephone Terminal Equipment
Telecommunications

47 CFR, Part 68 (Analog and Digital);
TIA-968-B (2016)

Immunity

ESD

EN 61000-4-2; IEC 61000-4-2; KN 61000-4-2

Radiated Immunity (80 MHz to
6 GHz)

EN 61000-4-3; IEC 61000-4-3; KN 61000-4-3

EFT/Burst

EN 61000-4-4; IEC 61000-4-4; KN 61000-4-4

Surge

EN 61000-4-5; IEC 61000-4-5; KN 61000-4-5

(Excluding Annex A)

Conducted Immunity

EN 61000-4-6; IEC 61000-4-6; KN 61000-4-6

(Excluding EM clamp coupling)

Power Frequency Magnetic
Field Immunity

EN 61000-4-8; IEC 61000-4-8; KN 61000-4-8

Voltage Dips, Short
Interruptions, and Voltage
Variations Immunity

EN 61000-4-11; IEC 61000-4-11; KN 61000-4-11

EU Product Family Immunity
Standards

EN 301 489-1; EN 301 489-2; EN 301 489-3; EN 301 489-4; EN
301 489-5; EN 301 489-6; EN 301 489-9; EN 301 489-13;
EN 301 489-15; EN 301 489-17; EN 301 489-19; EN 301 489-20;
EN 301 489-22; EN 301 489-24; EN 301 489-27; EN 301 489-32;
EN 301 489-50; EN 60945-2002 *(Excluding section 8)*

ApecTEL MRA

Australia

AS/NZS CISPR 11; AS/NZS CISPR 13; AS/NZS CISPR 14.1;
AS/NZS CISPR 15; AS/NZS CISPR 22; AS/NZS CISPR 32;
AS/NZS 61000.3.2; AS/NZS 61000.3.3; AS/NZS 61000.6.3;
AS/NZS 61000.6.4; AS/NZS CISPR 14.2; AS/NZS 2772.2;
AS/NZS 4268 with Radiocommunications (Short range devices)
Standard 2014; AS/NZS 4769.2;
AS/NZS 4769.2 with Radiocommunications (Paging Service
Equipment) Standard 2014; AS/NZS 62040.2

ACMA Standards

Radiocommunications (Analogue Speech (Angle Modulated)
Equipment) Standard 2014;
Radiocommunications (UHF CB Radio Equipment) Standard
2011 (No. 1);
Radiocommunications (VHF Radiotelephone Equipment –
Maritime Mobile Service) Standard 2014;
Radiocommunications (118 MHz to 137 MHz Amplitude
Modulated Equipment - Aeronautical Radio Service) Standard
2012;

Test Technology:

Test Method(s) ¹:

ACMA Standards (*cont.*)

Radiocommunications (Paging Service Equipment) Standard 2014;
Radiocommunications (MF and HF Radiotelephone Equipment - International Maritime Mobile Service) Standard 2014;
Radiocommunications (MF and HF Equipment – Land Mobile Service) Standard 2014;
Radiocommunications (Short Range Devices) Standard 2014;
Radiocommunications (HF CB and Handphone Equipment) Standard 2008;
Radiocommunications (Devices used in the Inshore Boating Radio Services Band) Standard 2008

Taiwan

CNS 13783-1; CNS 13803; CNS 13438; RTTE01; LP 0002
DGT C-IS2031-0; DGT C-IS2034-0; DGT LP0002;
CNS 13438 (up to 6 GHz)

Mexico

IFT-008-2015 (all subsections);
NOM-208-SCFI-2016 (all subsections); IFT-014-2018: Part 1;
IFT-014-2018: Part 2; IFT-015-2018

Vietnam

TCVN 7189:2009; TCVN 7317:2003; QCVN 18:2014/BTTTT;
QCVN 54:2011/BTTTT; QCVN 55:2011/BTTTT;
QCVN 53:2017/BTTTT; QCVN 11:2010/BTTTT;
QCVN 73:2013/BTTTT; QCVN 74:2013/BTTTT;
QCVN 95:2015/BTTTT; QCVN 96:2015/BTTTT;
QCVN 14:2010/BTTTT; QCVN 16:2018/BTTTT;
QCVN 18:2014/BTTTT; QCVN 23:2011/BTTTT;
QCVN 25:2011/BTTTT; QCVN 37:2018/BTTTT;
QCVN 41:2016/BTTTT; QCVN 42:2011/BTTTT;
QCVN 43:2011/BTTTT; QCVN 44:2018/BTTTT;
QCVN 45:2011/BTTTT; QCVN 46:2011/BTTTT;
QCVN 48:2011/BTTTT; QCVN 49:2011/BTTTT;
QCVN 54:2011/BTTTT; QCVN 65:2013/BTTTT;
QCVN 66:2018/BTTTT

Korea

Regulations on Radio Equipment (Enforcement Decree of MSIT No. 1, July 26, 2017); Unlicensed Radio Equipment Established Without Notice (MSIT Public Notification 2019-74, Aug 30, 2019); Technical Requirements for the Human Protection against Electromagnetic Waves (MSIT Public Notification 2019-4, January 16, 2019); Technical Requirements for Measurement of Electromagnetic Field Strength (RRA Public Notification 2019-3, March 4, 2019); Conformity Assessment Procedure of Radio Equipment (KS X 3123); Test Methods for Characteristic of LTE Mobile Radio Equipment (KS X 3142); Technical Requirements of Other Service Radio Equipment for Simple Radio Station, Space Station, and Earth Station (RRA Public Notification 2018-26, Nov 13, 2018); Technical Requirements for Radio Equipment for Telecommunication Services (RRA Public Notification 2019-

Test Technology:

Korea (*cont.*)

Test Method(s) ¹:

9, Jun 3, 2019); Technical Requirements for Radio Equipment for Maritime Services (RRA Public Notification 2019-13, Aug 16, 2019); Technical Requirements for Radio Equipment for Aeronautical Services (RRA Public Notification 2018-9, Jul 2, 2018); Technical Requirements for Electromagnetic Compatibility (RRA Public Notification 2018-19, October 19, 2018); Test Methods for Electromagnetic Compatibility (RRA Announce 2018-128, December 24, 2018); Notice on Designation and Management of Testing Laboratories for Broadcasting and Communications Equipment (RRA Public Notification 2019-5, Mar 11, 2019); KN 11; KN 14-1; KN 15; KN 19; KN 41; KN 50; KN 60; KN 62040-2; KN 60947; KN 61000-6-3; KN 61000-6-4; KN 14-2; KN 51; KN 60601-1-2; KN 61547; KN 60974-10; KN 61000-6-1; KN 61000-6-2; KN 301 489-1; KN 301 489-2; KN 301 489-3; KN 301 489-5; KN 301 489-6; KN 301 489-9; KN 301 489-13; KN 301 489-15; KN 301 489-17; KN 301 489-18; KN 301 489-20; KN 301 489-27; KN 301 489-32; KN 60945; KN 17; KN 32; KN 35; KN 61800-3; KN 12015; KN 12016; KN 101; KN 15194; KN 301 489-50; KN 301 489-52; KN 62920; KN 301 489-51

Hong Kong

HKCA 1001; HKCA 1002; HKCA 1003; HKCA 1004; HKCA 1005; HKCA 1006; HKCA 1007; HKCA 1008; HKCA 1010; HKCA 1015; HKCA 1016; HKCA 1019; HKCA 1020; HKCA 1022; HKCA 1026; HKCA 1033; HKCA 1034; HKCA 1035; HKCA 1036; HKCA 1037; HKCA 1039; HKCA 1041; HKCA 1042; HKCA 1043; HKCA 1044; HKCA 1045; HKCA 1046; HKCA 1047; HKCA 1048; HKCA 1049; HKCA 1050; HKCA 1052; HKCA 1053; HKCA 1054; HKCA 1055; HKCA 1056; HKCA 1057; HKCA 1061; HKCA 1064; HKCA 1065; HKCA 1066; HKCA 1067; HKCA 1068; HKCA 1069; HKCA 1070; HKCA 1071; HKCA 1072; HKCA 1073; HKCA 1074; HKCA 1075; HKCA 1076; HKCA 1077; HKCA 1078; HKCA 1079; HKCA 1080; HKCA 1218; HKCA 1223; HKCA 1224; HKCA 1225; HKCA 1257; HKCA 1258; HKCA 1259; HKCA 1260; HKCA 1261; HKCA 1262; HKCA 1263; HKCA 1264; HKCA 1265; HKCA 1266; HKCA 1277; HKCA 1281; HKCA 1282; HKCA 1283; TAC001; TAC 002; TAC 003; TAC 004; TAC 005; TAC 006; TAC 007; TAC 008; TAC 009; TAC 010

Singapore

IMDA TS SRD (April 2018); IMDA TS LMR (October 2016); IMDA TS AR (October 2016); IMDA TS CT-CTS (October 2016); IMDA TS CMT (September 2020); IMDA TS CBS (September 2020); IMDA TS WBA (October 2016); IMDA TS UWB (October 2016); IMDA TS DVB-T2 IRD (November 2017);



Test Technology:**Test Method(s) ¹:**Singapore (*cont.*)

IMDA TS WSD (October 2016);
 IMDA TS DSRC (October 2017);
 IMDA TS IOT (November 2017);
 IMDA TS RG-SEC (October 2020);
 IMDA TS GMPCS (October 2016)

Japan

VCCI-CISPR 32:2016; J55014-1; J55011; J55013; J55022;
 J55032; ARIB Standard STD-T33; ARIB Standard STD-T57;
 ARIB Standard STD-T66; ARIB Standard STD-T81;
 MIC Article 2-1; MIC Notification No. 88 of 2004, Annex 43

Malaysia

Specification for Short Range Devices (SRD) - MCMC MTSFB
 TC T007:2014; Specification for Land Mobile Radio Equipment -
 MCMC MTSFB TC T012:2015; Technical Specification for GSM
 Mobile Terminals - SKMM WTS GSM- MT Rev.1.01:2007;
 Technical Specification for Cordless Telephone Systems
 SKMM WTS CTS Rev.1.01:2007; Technical Specification for
 Broadband Wireless Access (BWA) Equipment SKMM WTS
 BWA Rev.1.01:2007; Technical Specification for Amateur Radio
 Equipment SKMM WTS ARE Rev.1.01:2007;
 Technical Specification for IMT- 2000 Third-Generation (3G)
 Cellular Mobile Terminals SKMM WTS IMT- MT Rev.1.01:2007
 SI 961 Part 32, SI 961 Part 6.2

Israel

Generic/Product Family EMC Tests

IEC/EN 61000-6-1; IEC/EN 61000-6-2;
 IEC/EN 61000-6-3; IEC/EN 61000-6-4;
 IEC 61800-3:2017; EN 50121-3-2; EN 50155;
 CISPR 24; EN 55024; CISPR 35; EN 55035; CISPR 25;
 EN 50130-4; EN 55014-1; CISPR 14-1;
 CISPR 14-2; EN 55014-2; EN 50083-2;
 EN 61326-1; EN 61326-2-1; EN 61326-2-6;
 EN 301 437; EN 300 386; EN 301 449; EN 301 511; EN 50121-3;
 ES 203 021; ETSI 300 132-1; ETSI 300 132-2; ETSI 300 132-3;
 ETSI 300 386; AS/NZS 4252.1

¹ When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of *A2LA R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

² This laboratory meets *A2LA R104 – General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these tests.

***Project 25 Compliance Assessment Program
 Baseline Common Air Interface Testing Requirements
 P25 – Performance
 Subscriber Units
 Subscriber Unit – Conventional Mode***

Requirement

ANSI/TIA-102.CAAA-E (Method)
 ANSI/TIA-102.CAAB-D (Limits)



Project 25 Compliance Assessment Program

Baseline Common Air Interface Testing Requirements

P25-CAB-CAI_TEST_REQ – July 2017, Section 2.1.1.1 –
Conventional Subscriber Unit Performance

Subscriber Unit – Trunked Mode (Phase 1)

P25-CAB-CAI_TEST_REQ – July 2017, Section 2.1.1.2 –
Trunked Subscriber Unit Performance (FDMA)

Subscriber Unit – Trunked Mode (Phase 2)

P25-CAB-CAI_TEST_REQ – July 2017, Section 2.1.1.3 –
Trunked Subscriber Unit Performance TDMA

Base Stations/ Repeaters

Base Station/ Repeater – Conventional Mode

P25-CAB-CAI_TEST_REQ – July 2017, Section 2.2.1.1 –
Conventional Base Station/Repeater Performance

Base Station/ Repeater–Trunked Mode (Phase 1)

P25-CAB-CAI_TEST_REQ – July 2017, Section 2.2.1.2 –
Trunked Base Station/Repeater Performance – FDMA

Base Station/ Repeater–Trunked Mode (Phase 2)

P25-CAB-CAI_TEST_REQ – July 2017, Section 2.2.1.3 –
Trunked Base Station/Repeater Performance – TDMA

Requirement

ANSI/TIA-102.CAAA-E (Method)

ANSI/TIA-102.CAAB-D (Limits)

ANSI.TIA-102.CCAA-A (Method)

ANSI/TIA-102.CCAB-A (Limits)

ANSI/TIA-102.CAAA-E (Method)

ANSI/TIA-102.CAAB-D (Limits)

ANSI/TIA-102.CAAA-E (Method)

ANSI/TIA-102.CAAB-D (Limits)

ANSI/TIA-102.CCAA-A (Method)

ANSI/TIA-102.CCAB-A (Limits)

P25 – Interoperability

Subscriber Unites

Conventional Subscriber Unit Interoperability (Direct
Mode) P25-CAB-CAI_TEST_REQ – July 2017, Section
2.1.3.1 – Conventional Subscriber Unit Interoperability –
Direct Mode

TIA-102.CABA

Conventional Subscriber Unit Interoperability (Repeat
Mode) P25-CAB-CAI_TEST_REQ – July 2017, Section
2.1.3.2 – Conventional Subscriber Unit Interoperability –
Repeat Mode

TIA-102.CABA

Conventional Subscriber Unit Interoperability (FNE with
DMC-Repeat Mode) P25-CAB-CAI_TEST_REQ – July
2017, Section 2.1.3.3 – Conventional Subscriber Unit
Interoperability – FNE Dispatch Monitoring Console -
Repeat Mode

TIA-102.CABA

Trunked Subscriber Unit Interoperability (Phase 1) P25-
CAB-CAI_TEST_REQ – July 2017, Section 2.1.3.4 –
Trunked Subscriber Unit Interoperability – FDMA (Phase 1)

TIA-102.CABC-C

Trunked Subscriber Unit Interoperability (Phase 2)
P25-CAB-CAI_TEST_REQ – July 2017, Section 2.1.3.5 –
Trunked Subscriber Unit Interoperability – TDMA (Phase 2)

TIA-102.CABC-C

Base Station / Repeaters

Conventional – Base Station / Repeater Interoperability
(Repeat Mode) P25-CAB-CAI_TEST_REQ – July 2017
Section 2.2.3.1 – Conventional Base Station/Repeater
Interoperability – Repeat Mode

TIA-102.CABA

**Project 25 Compliance Assessment Program
Baseline Common Air Interface Testing Requirements**

Requirement

Conventional – Base Station / Repeater Interoperability (FNE with DMC - Repeat Mode) P25-CAB-CAI_TEST_REQ – July 2017 Section 2.2.3.2 – Conventional Base Station/Repeater Interoperability – FNE Dispatch Monitoring Console - Repeat Mode	TIA-102.CABA
Trunked - Base Station / Repeater Interoperability (Phase 1) P25-CAB-CAI_TEST_REQ – July 2017, Section 2.2.3.3 – Trunked Base Station/Repeater Interoperability – FDMA (Phase 1)	TIA-102.CABC-C
Trunked - Base Station / Repeater Interoperability (Phase 2) P25-CAB-CAI_TEST_REQ – July 2017, Section 2.2.3.4 – Trunked Base Station/Repeater Interoperability – TDMA (Phase 2)	TIA-102.CABC-C

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1³:

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
Unintentional Radiators		
Part 15B	ANSI C63.4:2014	40000
Industrial, Scientific, and Medical Equipment		
Part 18	FCC MP-5 (February 1986)	40000
Intentional Radiators		
Part 15C	ANSI C63.10:2013	40000
Unlicensed Personal Communication Systems Devices		
Part 15D	ANSI C63.17:2013	40000
U-NII without DFS Intentional Radiators		
Part 15E	ANSI C63.10:2013	40000
UWB Intentional Radiators		
Part 15F	ANSI C63.10:2013	40000
BPL Intentional Radiators		
Part 15G	ANSI C63.10:2013	40000
White Space Device Intentional Radiators		
Part 15H	ANSI C63.10:2013	40000

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1 ³ :		
Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
Commercial Mobile Services (FCC Licensed Radio Service Equipment)		
Parts 22 (cellular), 24, 25 (below 3 GHz), and 27	ANSI C63.26:2015	40000
General Mobile Radio Services (FCC Licensed Radio Service Equipment)		
Parts 22 (non-cellular), 90 (below 3 GHz), 95 (below 3 GHz), 97 (below 3 GHz), and 101 (below 3 GHz)	ANSI C63.26:2015	40000
Citizens Broadband Radio Services (FCC Licensed Radio Service Equipment)		
Part 96	ANSI C63.26:2015	40000
Maritime and Aviation Radio Services		
Parts 80 and 87	ANSI C63.26:2015	40000
Microwave and Millimeter Bands Radio Services		
Parts 25, 30, 74, 90 (above 3 GHz), 95 (above 3 GHz), 97 (above 3 GHz), and 101	ANSI C63.26:2015	40000
Broadcast Radio Services		
Parts 73 and 74 (below 3 GHz)	ANSI C63.26:2015	40000
Signal Boosters		
Part 20 (Wideband Consumer Signal Boosters, Provider-specific signal boosters, and Industrial Signal Boosters) 90.219	ANSI C63.26:2015	40000

³Accreditation does not imply acceptance to the FCC equipment authorization program. Please see the FCC website (<https://apps.fcc.gov/oetcf/eas/>) for a listing of FCC approved laboratories.



Accredited Laboratory

A2LA has accredited

TIMCO ENGINEERING, INC.

Newberry, FL

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets A2LA R242 - *Specific Requirements - Project 25 (P25) Compliance Assessment Program*. 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).



Presented this 14th day of February 2020.

A handwritten signature in blue ink, written over a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0955.01
Valid to December 31, 2021

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.