



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

American Certification Body, Inc. T/A ACB, Inc.

360 Herndon Pkwy, Suite 1400

Herndon, VA 20170

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2017

and the

**US Federal Communication Commission (FCC) EMC and Telecommunications (EC&T) Testing Designation Program
Recognition of Telecommunications Testing - Innovation, Science, and Economic Development (ISED) Canada**

while demonstrating technical competence in the field of

TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

AT-1446

Certificate Number


ANAB Approval

Certificate Valid Through: 06/30/2020
Version No. 005 Issued: 10/03/2019



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).



ANSI National Accreditation Board

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

American Certification Body, Inc.

T/A ACB, Inc

360 Herndon Pkwy, Suite 1400, Herndon, VA 20170

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TESTING

Valid to: **June 30, 2020**

Certificate Number: **AT-1446**

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	-	40 000 MHz
Industrial, Scientific, and Medical Equipment (FCC Part 18) Consumer ISM equipment	FCC MP-5, (February 1986)	-	220 000 MHz
Intentional Radiators (FCC Part 15, Subpart C)	ANSI C63.10-2013	-	220 000 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	40 000 MHz
UWB Intentional Radiators (FCC Part 15, Subpart F) Ultra-wideband Operation	ANSI C63.10-2013	-	200 000 MHz
BPL Intentional Radiators (FCC Part 15, Subpart G) Access Broadband Over Power Line (Access BPL)	ANSI C63.10-2013	-	40 000 MHz
White Space Device Intentional Radiators (FCC Part 15, Subpart H) White Space Devices	ANSI C63.10-2013	-	40 000 MHz



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Testing performed in support of FCC approval procedures for Certification

Type of Device Examples	Scope of Accreditation	Supporting FCC Guidance	Comments / Maximum Frequency Tested
Commercial Mobile Services (FCC Licensed Radio Service Equipment) Part 22 (cellular) Part 24 Part 25 (below 3 GHz) Part 27	ANSI/TIA-603-E [1] or TIA-102.CAAA-E-2016 [1] or ANSI C63.26-2015	KDB Publication 971168	220 000 MHz
General Mobile Radio Services (FCC Licensed Radio Service Equipment) Part 22 (non-cellular) Part 90 (below 3 GHz) Part 95 (below 3 GHz) [3] Part 97 (below 3 GHz) Part 101 (below 3 GHz)	ANSI/TIA-603-E [1] or TIA-102.CAAA-E-2016 [1] or ANSI C63.26-2015	-	220 000 MHz
Citizens Broadband Radio Services (FCC Licensed Radio Service Equipment) Part 96	ANSI/TIA-603-E [1] or TIA-102.CAAA-E-2016 [1] or ANSI C63.26-2015	KDB Publication 971168 KDB Publication 940660	220 000 MHz
Maritime and Aviation Radio Services (FCC Licensed Radio Service Equipment) Part 80 Part 87	ANSI/TIA-603-E [1] or ANSI C63.26-2015	-	220 000 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 [1] or TIA-102.CAAA-E-2016 [1] or ANSI C63.26-2015	KDB Publication 653005	220 000 MHz
Broadcast Radio Services (FCC Licensed Radio Service Equipment) Part 73 Part 74 (below 3 GHz)	ANSI/TIA-603-E [1] or TIA-102.CAAA-E-2016 [1] or ANSI C63.26-2015	-	220 000 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 [2]	220 000 MHz

Notes:

1. ANSI/TIA-603-D-2010 or ANSI/TIA-102.CAAA-D-2013 may be used until March of 2020.
2. 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).
3. Table updates for the scope General Mobile Radio Service to add text “above 3 GHz” and for the Microwave and Millimeter Bands Radio Services for Parts 90, 95, and 97 above 3 GHz in version v05r01 are considered clarifications to the scope and therefore the two year transition period ends on March 2, 2020 and is not extended two years from the release date of v05r01.

Electromagnetic Compatibility

FIELD OF TEST	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD, OR TECHNIQUE USED
Emissions Standards	Radiated and Conducted	FCC Part 15 B/C/E using, ANSI C63.4-2014 & ANSI C63.10 (2013) FCC Part 11 Emergency Alert System (EAS) using ANSI C63.4 (2014); ANSI C63.10 (2013), FCC Part 18 using FCC OST/MP-05 (1986); FCC KDB Publication No. 842590; CISPR 22 (2008 ED 6.0; 2009+A1(2010)), EN 55022 (2006); EN 55022 (2010) CAN/CSA-CEI/IEC CISPR 22; CISPR 11, EN 55011; CNS 13438-2006 (up to 6 GHz); AS/NZS CISPR 11:2011; CNS 13803; CISPR 32 Ed 2.0 2015
Emissions Standards	Harmonics	IEC 61000-3-2, EN 61000-3-2
Emissions Standards	Flicker	IEC 61000-3-3, EN 61000-3-3
Emissions Standards	Generic/Product Specific	IEC 61000-6-3, EN 61000-6-3 IEC 61000-6-4, EN 61000-6-4
Emissions Standards	ESD	IEC 61000-4-2, EN 61000-4-2
Emissions Standards	Radiated RF	IEC 61000-4-3, EN 61000-4-3
Immunity Standards	EFT	IEC 61000-4-4, EN 61000-4-4
Immunity Standards	Surge	IEC 61000-4-5, EN 61000-4-5
Immunity Standards	Conducted RF	IEC 61000-4-6, EN 61000-4-6
Immunity Standards	Low Frequency Magnetic Fields	IEC 61000-4-8, EN 61000-4-8
Immunity Standards	Voltage dips and variations	IEC 61000-4-11, EN 61000-4-11, KN 61000-4-11



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Electromagnetic Compatibility

FIELD OF TEST	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD, OR TECHNIQUE USED
RF Exposure Test Methods (Exclusion: SAR Testing)	MPE	IEEE STD C95.1; IEEE STD C95.3; KDB Publication 447498 D01; EN 50385, EN 50401, EN 62311, 102 (RF Exposure), Issue 5, Mar 2015; Safety Code 6 (IC); EN 50360; EN 50665
Product Safety	ITE	IEC 60065, IEC 60215, IEC 60825, IEC 60950-1; IEC 60950-21; IEC 60950-22, AS/NZS 60950; AS/NZS 60950-1; KN 60950; EN 60065, EN 60215, EN 60825, EN 60950; EN 60950-1; EN 60950-22, UL 60950-1; CAN/CSA C22.2 60950-1; EN 62368; IEC 62368

Radio

FIELD OF TEST	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD, OR TECHNIQUE USED
Radio Testing	Europe	ETSI EN 300 086; ETSI EN 300 113; ETSI EN 300 219; ETSI EN 300 220-1; ETSI EN 300 220-2; ETSI EN 300 220-3-1; ETSI EN 300 220-3-2; ETSI EN 300 220-4 ; ETSI EN 300 328; ETSI EN 300 330-1; ETSI EN 300 390; EN 300 440; ETSI EN 300 440-1; ETSI EN 300 440-2; ETSI EN 301 489-1; ETSI EN 301 489-3; ETSI EN 301 489-4; ETSI EN 301 489-5; ETSI EN 301 489-7; ETSI EN 301 489-8; ETSI EN 301 489-9; ETSI EN 301 489-15; ETSI EN 301 489-17; ETSI EN 301 489-19; ETSI EN 301 511; ETSI EN 301 908-1; ETSI EN 301 908-2; ETSI EN 301 908-3; ETSI EN 301 908-13 ETSI EN 301 489-24; ETSI EN 301 489-33; ETSI EN 301 489-34; ETSI EN 301 489-50; ETSI EN 301 489-52; ETSI EN 300 422-1; ETSI EN 300 422-2; ETSI EN 300 422-3; ETSI EN 300 422-4; ETSI EN 301 091-1; ETSI EN 301 091-2; ETSI EN 301 893; EN 301 502 ; 301 908-14; EN 301 908-15; EN 301 908-18; ETSI EN 302 567; EN 305 550; ETSI EN 302 264-2; ETSI EN 302 326-2; ETSI EN 302 065-1; ETSI EN 302 065-2; ETSI EN 302 065-3; EN 302 065-4; ETSI EN 303 413



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Radio

FIELD OF TEST	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD, OR TECHNIQUE USED
Radio Testing	Canada	RSS-GEN, Issue 5 Mar 2019; RSS-102 (RF Exposure), Issue 5, Mar 2015 RSS-111, Issue 5, Sep 2014; RSS-112, Issue 1, Sep 2014; RSS-117, Issue 3, Jan 2016; RSS-119, Issue 12, May 2015; RSS-123, Issue 3, Feb 2015; RSS-125, Issue 2, Rev 1, Mar 2000; RSS-127, Issue 1, Aug 2009; RSS-130, Issue 2, Feb 2019; RSS-131, Issue 3, Jan 2017, updated May 2017; RSS-132, Issue 3, Jan 2013; RSS-133, Issue 6, Jan 2013, Amendment 1 Jan 2018; RSS-134, Issue 2, Feb 2016; RSS-135, Issue 2, Jun 2009; RSS-137, Issue 2, Feb 2009; RSS-139, Issue 3, Jul 2015; RSS-140, Issue 1, Apr 2018; RSS-141, Issue 2, Jun 2010; RSS-142, Issue 5, Apr 2013; RSS-170, Issue 3, Jul 2015; RSS-181, Issue 2, Aug 2019; RSS-182, Issue 5, Jan 2012; RSS-191, Issue 3, Apr 2008; RSS-192, Issue 3, Jan 2008; RSS-194, Issue 1, Oct 2007; RSS-195, Issue 2, Apr 2014; RSS-196, Issue 2, Feb 2019; RSS-197, Issue 1, Feb 2010; RSS-199, Issue 3, December 2016; RSS-210, Issue 9, Aug 2016, Amendment Nov 2017; RSS-211, Issue 1, Mar 2015; RSS-213, Issue 3, Mar 2015; RSS-215, Issue 2, Jun 2009; RSS-216, Issue 2, Jan 2016; RSS-220, Issue 1, Mar 2009, Amendment Jul 2018; RSS-222, Issue 1, Feb 2015; RSS-236, Issue 1, Sep 2012; RSS-238, Issue 1, July 2013; RSS-243, Issue 3, Feb 2010; RSS-247 (without DFS), Issue 2, February 2017; RSS-251, Issue 2, Jul 2018; RSS-252, Issue 1, Sep 2017; RSS-287, Issue 2, Mar 2014; RSS-310, Issue 4, Jul 2015

Radio

Scope B1: Article 38-2-2(1) i) of Radio Law (License not required)			
Radio Testing - Japan Specific Radio Type		Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar or more stringent testing if known (not specific frequencies or power but test methods)
Citizen radio		Item 3	CFR 47 Part 95 C ; ETSI EN 300 135-1 and -2 V1.2.1 (2008-02)
Cordless telephone		Item 7	Except for freq band CFR 47 15.214 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017 annex 3
Specified low power radio equipment	Tele-meter, Tele-control, and Data Transmission (315 MHz Band)	Item 8	CFR 47 15.231 / ANSI C63.10 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017 annex 1 / EN 300 220-1&2 V2.3.1 (2010-02)
Specified low power radio equipment	Tele-meter, Tele-control, and Data Transmission (426, 920, 950, and 1200 MHz Bands)	Item 8	TIA 603, ANSI C63.10, ETSI EN 300 440, RSS-210, Issue 9, Aug 2016, Amendment Nov 2017

Radio

Scope B1: Article 38-2-2(1) i) of Radio Law (License not required)			
Radio Testing - Japan Specific Radio Type		Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar or more stringent testing if known (not specific frequencies or power but test methods)
Specified low power radio equipment	420-450 MHz Medical telemeter Type A, B and C	Item 8	CFR 47 part 95H / KDB 771134 med radio / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 4 / EN 300 220-1&2 V2.3.1 (2010-02)
Specified low power radio equipment	420-450 MHz Medical telemeter Type D and E	Item 8	CFR 47 part 95H / KDB 771134 med radio / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 4 / EN 300 220-1&2 V2.3.1 (2010-02)
Specified low power radio equipment	Implant Data Transmission and Implant Medical Remote Measurement for (402 to 405) MHz	Item 8	CFR 47 95I / KDB771134 med radio TIA 603C / ANSI C63.10 / RSS-243, Issue 3, Feb 2010/ REC70-03 annex 12 / EN 301 839-1 & 2 v1-3-1
Specified low power radio equipment	433 MHz data transmission used for international transportation	Item 8	CFR 47 15.240 / ANSI C63.10 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 5 / EN 300 220-1&2 V2.3.1 (2010-02) / EN 302 066 / REC70-03 annex 1 fl & annex 6 m
Specified low power radio equipment	429 MHz Radio pager	Item 8	TIA603C / RSS-119, Issue 12, May 2015; / EN 300 220-1&2 V2.3.1 (2010-02)
Specified low power radio equipment	Radio microphones in the (70 to 300) and 800 MHz band	Item 8	CFR 47 part 74 / TIA 603C / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 4 / ANSI C63.10/ ETSI TS 102 192-1&2 V1.1.1 (2004-08) / REC70-03 annex 10
Specified low power radio equipment	75 & 169 MHz Radio microphone for hearing aid	Item 8	CFR 47 15.237 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 4 ANSI C63.10



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Radio

Scope B1: Article 38-2-2(1) i) of Radio Law (License not required)			
Radio Testing - Japan Specific Radio Type		Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar or more stringent testing if known (not specific frequencies or power but test methods)
Specified low power radio equipment	Walkie Talkie for (413 and 423) MHz bands	Item 8	RSS-119, Issue 12, May 2015, SRSP501, TIA 603 Part 95 FRS but different Freq range. RSS-210, Issue 9, Aug 2016, Amendment Nov 2017FRS
Specified low power radio equipment	75 MHz Voice assist radiotelephone	Item 8	CFR 47 15.237 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 4 ANSI C63.10
Specified low power radio equipment	950 MHz Band identification of moving objects	Item 8	CFR 47 15.245 / ANSI C63.10 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017 annex 7 / RSS-137, Issue 2, Feb 2009/ EN 300 220-1&2 V2.3.1 (2010-02) / EN 302 066 / REC70-03 annex 6
Specified low power radio equipment	(916.7 to 923.5 MHz band identification of moving objects.	Item 8	CFR 47 15.245 / ANSI C63.10 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017 annex 7 / RSS-137, Issue 2, Feb 2009/ EN 300 220-1&2 V2.3.1 (2010-02) / EN 302 066 / REC70-03 annex 6
Specified low power radio equipment	Radio equipment in the 2.4 GHz band for use in identification of moving objects	Item 8	CFR 47 90F / FHSS CFR 47 15.247 / ANSI C63.10 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 8 / EN300 328 / REC70-03 annex 1&6
Specified low power radio equipment	Millimeter wave radar (60.5 GHz and 76.5 GHz)	Item 8	FCC KDB200443, MMW test procedure CFR47 15.253, RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 13
Specified low power radio equipment	Radio equipment for millimeter wave visual transmission or data transmission in the (57 to 66) GHz band	Item 8	FCC KDB200443 MMW test procedure / CFR 47 15.255 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 13 / REC70-03 annex 1&3



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Scope B1: Article 38-2-2(1) i) of Radio Law (License not required)			
Radio Testing - Japan Specific Radio Type		Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar or more stringent testing if known (not specific frequencies or power but test methods)
Specified low power radio equipment	Detection sensor of moving objects (10.525 GHz and 24.15 GHz band)	Item 8	CFR 47 90F / EN 302 372-1 & 2 V1.1.1 (2006-04) / REC70-03 annex 1&6
Specified low power radio equipment	Animal Detection Report for 142 MHz band.	Item 8	TIA 603 ANSI C63.10
Low Power Security System		Item 13	ANSI C63.10 / ANSI C63.4
Low Power Data Communications System	In 2.4 GHz Band (2400-2483.5 MHz)	Item 19	CFR 47 15.247 / ANSI C63.10 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 8 / REC70-03 annex 3 / EN 300 328 v1.7.1
Low Power Data Communications System	In 2.4 GHz Band (2471-2497 MHz)	Item 19-2	CFR 47 15.249 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 2 / REC70-03 annex 1 / EN 300 440
Low Power Data Communications System	In 2.4 GHz Band (for Radio Control Model Aircraft, 2400-2483.5 MHz)	Item 19-2-2	ANSI C63.10 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 8 / REC70-03 annex 3 / EN 300 328 v1.7.1
Low Power Data Communications System	In 2.4 GHz Band (for Radio Control Model Aircraft, 2471-2497 MHz)	Item 19-2-3	ANSI C63.10 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 8 / REC70-03 annex 3 / EN 300 328 v1.7.1
Low Power Data Communications System	In the 5.2, 5.3 GHz Band	Item 19-3	CFR47 15E 15..407 / ANSI C63.10 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 9 / REC70-03 annex 3 / EN 301 893
Low Power Data Communications System	In 5.6 GHz Band	Item 19-3-2	CFR47 15E 15..407 / ANSI C63.10 / RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 9 / REC70-03 annex 3 / EN 301 893
Low Power Data Communications System	In 25 GHz and 27 GHz Band	Item 19-4	RSS-210, Issue 9, Aug 2016, Amendment Nov 2017annex 12



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Radio

Scope B1: Article 38-2-2(1) i) of Radio Law (License not required)		
Radio Testing - Japan Specific Radio Type	Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar or more stringent testing if known (not specific frequencies or power but test methods)
Land Mobile Station for 5 GHz Band Wireless Access System (Low Power Type)	Item 19-11	CFR47 90Y / TIA 603C / RSS-111, Issue 5, Sep 2014
Digital Cordless Telephone in Narrowband	Item 21	Except for freq band CFR47 15E / 15.301 / ANSI C63.10
Digital Cordless Telephone in Broadband (DECT)	Item 21-2	ETSI EN 301 649 TIA 603, ANSI C63.10 Part 15D
Digital Cordless Telephone in OFDMA Method (sPHS)	Item 21-3	ETSI EN 301 908-10 Part 15D
PHS Land Mobile Station	Item 22	CFR 47 24E / TIA 603C / RSS-213, Issue 3, Mar 2015
Mobile Station for Dedicated Short Range Communication System	Items 32	CFR 47 24E / TIA 603C / RSS-213, Issue 3, Mar 2015
Test Station for Dedicated Short Range Communications System	Item 33-2	CFR 47 24E / TIA 603C / RSS-213, Issue 3, Mar 2015
UWB (Ultra Wide Band) Radio System	Item 47	CFR 47 15.501/ 15F / KDB393764 UWB Compliance / RSS-220, Issue 9 Aug 2016, Amendment Nov 2107/ REC70-03 annex 1 / EN 302 500-2
26 GHz UWB Radar / (22.0 to 24.25) GHz	Item 47-2	EN 302 435-2 / RSS-220, Issue 9 Aug 2016, Amendment Nov 2107, FCC KDB393764 UWB Compliance Measurements
Land Mobile for 700 MHz Band Intelligent Transport System	Item 64	TIA 603, ANSI C63.10
MCA (Land Mobile Station) 800 MHz Band Taxi & Transportation Radio	Item 1-4	TIA 603, ANSI C63.10, CFR 47 Part 90
VSAT (Ku Band)	Item 9	CFR 47 Part 25
VSAT (Ka Band)	Item 9-2	CFR 47 Part 25
Mobile Radio Relay Station / Land Mobile Station	Item 10	TIA 603, ANSI C63.10, CFR 47 Part 90
TDMA Cellular Phone	Item 10-2	TIA 603ANSI C63.10, CFR 47 Part 22 & 24
CDMA Cellular Phone	Item 11	TIA 603ANSI C63.10, CFR 47 Part 22 & 24

Radio

Scope B1: Article 38-2-2(1) i) of Radio Law (License not required)		
Radio Testing - Japan Specific Radio Type	Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar or more stringent testing if known (not specific frequencies or power but test methods)
WCDMA Cellular Phone	Item 11-3	TIA 603, ANSI C63.10, CFR 47 Part 22 & 24
CDMA2000 Cellular Phone	Item 11-4	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
DS-CDMA (HSDPA) Cellular Phone	Item 11-7	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
CDMA2000 (1xEV-DO) Cellular Phone	Item 11-8	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
CDMA2000 (3xEV-DO) Cellular Phone	Item 11-8-2	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
TD-CDMA Cellular Phone (except land mobile stations which relays portable radio communication)	Item 11-11	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
TD-SCDMA Cellular Phone	Item 11-12	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
TD-OFDMA (XGPHS) Cellular Phone	Item 11-15	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
MBTDD 625k Land Mobile Station	Item 11-17	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
SC-FDMA (LTE) FDD Cellular Phone	Item 11-19	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
SC-FDMA (LTE) TDD Cellular Phone (except land mobile stations which relays portable radio communication)	Item 11-21	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
OFDMA (UMB) FDD Cellular Phone (except land mobile stations which relays portable radio communication)	Item 11-23	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
WiMAX Land Mobile Station	Item 11-25	TIA 603, ANSI C63.10, CFR 47 Part 27
OFDMA (UMB) TDD Cellular Phone (except land mobile stations which relays portable radio communication)	Item 11-26	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Land Portable Mobile Earth Station for OmniTRACS system (Advanced Vehicle Operation System) (geosynchronous satellite)	Item 14	TIA 603, ANSI C63.10, CFR 47 Part 25
Portable Mobile Earth Stations for Orbcomm system (no geosynchronous satellite)	Item 14-2	TIA 603, ANSI C63.10, CFR 47 Part 25



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Radio

Scope B2: Article 38-2-2(1) ii) of Radio Law (Radio Stations Prescribed in Article 27-2(i) (Blanket License)		
Radio Testing - Japan Specific Radio Type	Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar or more stringent testing if known (not specific frequencies or power but test methods)
MCA (Land Mobile Station) 800 MHz Band Taxi & Transportation Radio	Item 1-4	TIA 603, ANSI C63.10, CFR 47 Part 90
VSAT (Ku Band)	Item 9	CFR 47 Part 25
VSAT (Ka Band)	Item 9-2	CFR 47 Part 25
Mobile Radio Relay Station / Land Mobile Station	Item 10	TIA 603, ANSI C63.10, CFR 47 Part 90
TDMA Cellular Phone	Item 10-2	TIA 603 ANSI C63.10, CFR 47 Part 22 & 24
CDMA Cellular Phone	Item 11	TIA 603 ANSI C63.10, CFR 47 Part 22 & 24
WCDMA Cellular Phone	Item 11-3	TIA 603, ANSI C63.10, CFR 47 Part 22 & 24
CDMA2000 Cellular Phone	Item 11-4	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
DS-CDMA (HSDPA) Cellular Phone	Item 11-7	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
CDMA2000 (1xEV-DO) Cellular Phone	Item 11-8	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
CDMA2000 (3xEV-DO) Cellular Phone	Item 11-8-2	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
TD-CDMA Cellular Phone (except land mobile stations which relays portable radio communication)	Item 11-11	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
TD-SCDMA Cellular Phone	Item 11-12	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
TD-OFDMA (XGPHS) Cellular Phone	Item 11-15	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
MBTDD 625k Land Mobile Station	Item 11-17	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
SC-FDMA (LTE) FDD Cellular Phone	Item 11-19	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
SC-FDMA (LTE) TDD Cellular Phone (except land mobile stations which relays portable radio communication)	Item 11-21	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
OFDMA (UMB) FDD Cellular Phone (except land mobile stations which relays portable radio communication)	Item 11-23	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24



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Radio

Scope B2: Article 38-2-2(1) ii) of Radio Law (Radio Stations Prescribed in Article 27-2(i) (Blanket License))		
Radio Testing - Japan Specific Radio Type	Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar or more stringent testing if known (not specific frequencies or power but test methods)
WiMAX Land Mobile Station	Item 11-25	TIA 603, ANSI C63.10, CFR 47 Part 27
OFDMA (UMB) TDD Cellular Phone (except land mobile stations which relays portable radio communication)	Item 11-26	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Land Portable Mobile Earth Station for OmniTRACS system (Advanced Vehicle Operation System) (geosynchronous satellite)	Item 14	TIA 603, ANSI C63.10, CFR 47 Part 25
Portable Mobile Earth Stations for Orbcomm system (no geosynchronous satellite)	Item 14-2	TIA 603, ANSI C63.10, CFR 47 Part 25

Radio

Scope B2: Article 38-2-2(1) ii) of Radio Law (Radio Stations Prescribed in Article 27-2(i) (Blanket License))		
Radio Testing - Japan Specific Radio Type	Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar or more stringent testing if known (not specific frequencies or power but test methods)
Land Mobile Station for 26/38 GHz Band Subscriber Radio Access Communication (point to multipoint type)	Item 15-2	TIA 603, ANSI C63.10, CFR 47 Part 90
Land Mobile Station & Portable Station for 5 GHz band Wireless Access System	Item 19-9	TIA 603, ANSI C63.10, CFR 47 Part 15, CFR 47 Part 90
Land Mobile Station & Portable Station for 5 GHz band Wireless Access System (low spurious type)	Item 19-10	TIA 603, ANSI C63.10, CFR 47 Part 15, CFR 47 Part 90
Digital MCA (1500 MHz Band)	Item 20	TIA 603, ANSI C63.10, CFR 47 Part 90
Digital MCA (800 MHz Band)	Item 20-2	TIA 603, ANSI C63.10, CFR 47 Part 90
Portable Mobile Earth Station for Wide-Star (N-STAR) of NTT DoCoMo (geosynchronous satellite)	Item 28	TIA 603, CFR 47 Part 25
Portable Mobile Earth Station for Iridium System (no geosynchronous satellite)	Item 28-2	TIA 603, CFR 47 Part 25
Portable Mobile Earth Station for THURAYA	Item 28-2-2	TIA 603 CFR 47 Part 25



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Radio

Scope B2: Article 38-2-2(1) ii) of Radio Law (Radio Stations Prescribed in Article 27-2(i) (Blanket License)		
Radio Testing - Japan Specific Radio Type	Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar or more stringent testing if known (not specific frequencies or power but test methods)
INMARSAT Portable Mobile Earth Station	Item 30	TIA 603, CFR 47 Part 25
Earth Stations on Board Vessels	Item 30-2	TIA 603, CFR 47 Part 80
Portable Mobile Earth Station for Helicopter Satellite Communication System	Item 30-3	TIA 603, CFR 47 Part 87
Rural Subscriber Radio	Item 31	TIA 603, CFR 47 Part 95
Land Mobile Station in the 60 GHz band (point to multipoint type)	Item 31-3	TIA 603, ANSI C63.10, CFR 47 Part 101, FCC KDB200443 MMW test procedure
Digital Airport Radio System (MCA type)	Item 39	TIA 603, ANSI C63.10, CFR 47 Part 90
Aircraft Earth Station of Aeronautical Mobile-Satellite Service Networks	Item 46	TIA 603, ANSI C63.10, CFR 47 Part 87
WiMAX Land Mobile Station	Item 51	TIA 603, ANSI C63.10, CFR 47 Part 27
MBTDD-W Land Mobile Radio	Item 52	TIA 603, ANSI C63.10, CFR 47 Part 90
TD-OFDMA/TD-SCFDMA Broadband Wireless Access System Landmobile Station	Item 54	TIA 603, ANSI C63.10, CFR 47 Part 90
MBTDD 625k Land Mobile Station	Item 56	TIA 603, ANSI C63.10, CFR 47 Part 90
MCA (except for Land Mobile Station) 800 MHz Band Taxi & Transportation Radio	Item 1-4	TIA 603, ANSI C63.10, CFR 47 Part 90
SSB for Land Mobile Station and Portable Radio Station	Item 1-9	TIA 603, ANSI C63.10, CFR 47 Part 90
Angle-Modulation System for Land Mobile Stations and Portable Radio Station (F3E etc.)	Item 1-10	TIA 603, ANSI C63.10, CFR 47 Part 90
Frequency Modulation System for Land Mobile Station and Portable Radio Station (F3E etc.) 60 MHz, 150 MHz, 400 MHz	Item 1-11	TIA 603, ANSI C63.10, CFR 47 Part 90
Frequency Modulation System for Land Mobile Station and Portable Radio Station (F3E etc.) 30-54, 70-100, 100-142, 162.0375-200, 810-960, 1215-2690 MHz	Item 1-11	TIA 603, ANSI C63.10, CFR 47 Part 90



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Radio

Scope B2: Article 38-2-2(1) ii) of Radio Law (Radio Stations Prescribed in Article 27-2(i) (Blanket License)		
Radio Testing - Japan Specific Radio Type	Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar ormore stringent testing if known (not specific frequencies or power but test methods)
Specified Radio Microphone / Radio Microphone	Item 1-12	TIA 603, ANSI C63.10, CFR 47 Part 90
Specified Radio Microphone / Wireless In Ear Monitor	Item 1-12	TIA 603, ANSI C63.10, CFR 47 Part 90
Specified Digital Radio Microphone	Item 1-12-2	TIA 603, ANSI C63.10, CFR 47 Part 90
DSB Maritime Mobile Telephone	Item 1-13	TIA 603, ANSI C63.10, CFR 47 Part 80
SSB Maritime Mobile Telephone Less than 50 W	Item 1-14	TIA 603, ANSI C63.10, CFR 47 Part 80
Frequency Modulation System	Item 1-15	TIA 603, ANSI C63.10, CFR 47 Part 90, CFR 47 Part 80 and 87
Radiolocation	Item 2	TIA 603, ANSI C63.10, CFR 47 Part 90
Radio Buoys	Item 2-2	TIA 603, ANSI C63.10, CFR 47 Part 80
Meteorological aids	Item 3-2	TIA 603, ANSI C63.10, CFR 47 Part 90
Convenience Radio (900 MHz Band)	Item 4	TIA 603, ANSI C63.10, CFR 47 Part 15
Convenience Radio (150, 400 MHz Band)	Item 4-2	TIA 603, ANSI C63.10, CFR 47 Part 90
Convenience Radio (350 MHz Band)	Item 4-3	TIA 603, ANSI C63.10, CFR 47 Part 90
Convenience Radio (27 MHz Band)	Item 4-4	TIA 603, ANSI C63.10, CFR 47 Part 90
Digital Convenience Radio (150, 400 MHz Band)	Item 4-5	TIA 603, ANSI C63.10, CFR 47 Part 90
Digital Convenience Radio (150, 400 MHz Band, with a carrier sensing device)	Item 4-6	TIA 603, ANSI C63.10, CFR 47 Part 90
Convenience Radio (920 MHz / UHF Band RF-ID)	Item 4-7	TIA 603, ANSI C63.10, CFR 47 Part 90, CFR 47 Part 15
Convenience Radio (50 GHz Band)	Item 5	TIA 603, ANSI C63.10, CFR 47 Part 90, FCC KDB 200443 MMW test procedure
Premises Radio / UHF Band RF-ID	Item 6	TIA 603, ANSI C63.10, CFR 47 Part 15

Radio

Scope B2: Article 38-2-2(1) ii) of Radio Law (Radio Stations Prescribed in Article 27-2(i) (Blanket License)		
Radio Testing - Japan Specific Radio Type	Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar ormore stringent testing if known (not specific frequencies or power but test methods)
Premises Radio / 1200 MHz Band Data Transmission	Item 6	TIA 603, ANSI C63.10, CFR 47 Part 15
Premises Radio / 2450 MHz Band RF-ID	Item 6	TIA 603, ANSI C63.10, CFR 47 Part 15
Premises Radio (920 MHz Band, with a carrier sensing device)	Item 6-2	TIA 603, ANSI C63.10, CFR 47 Part 15
Premises Radio (950 MHz Band, with a carrier sensing device)	Item 6-2	TIA 603, ANSI C63.10, CFR 47 Part 15
Premises Radio (2450 MHz Band, using a frequency hopping system)	Item 6-3	TIA 603, ANSI C63.10, CFR 47 Part 15
Mobile Relay Station/Land Mobile Relay Station	Item 10	TIA 603, ANSI C63.10, CFR 47 Part 90
Base Station for TDMA Cellular Phone	Item 10-3	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for CDMA Cellular Phone	Item 11-2	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Femtocell Base Station for CDMA Cellular Phone	Item 11-2-2	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for CDMA Cellular Phone (In-Door Use)	Item 11-2-3	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for W-CDMA Cellular Phone	Item 11-5	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for CDMA2000 Cellular Phone	Item 11-6	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Femtocell Base Station for W-CDMA Cellular Phone	Item 11-6-2	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Femtocell Base Station for CDMA2000 Cellular Phone	Item 11-6-3	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for W-CDMA Cellular Phone (In-Door Use)	Item 11-6-4	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base station for CDMA2000 Cellular Phone (In-Door Use)	Item 11-6-5	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for W-CDMA (HSDPA)	Item 11-9	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for CDMA2000 (1xEV-D0)	Item 11-10	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Femtocell Base Station for W-CDMA (HSDPA)	Item 11-10-2	TIA 603, ANSI C63.10, CFR 47 Part 2 and 24

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Scope B2: Article 38-2-2(1) ii) of Radio Law (Radio Stations Prescribed in Article 27-2(i) (Blanket License)		
Radio Testing - Japan Specific Radio Type	Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar ormore stringent testing if known (not specific frequencies or power but test methods)
Femtocell Base Station for CDMA2000 (1xEV-DO)	Item 11-10-3	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for W-CDMA (HSDPA) (In-Door Use)	Item 11-10-4	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for CDMA2000 (1xEV-DO) (In-Door Use)	Item 11-10-5	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for TD-CDMA	Item 11-13	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for TD-SCDMA	Item 11-14	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for TD-OFDMA (XGPHS) Cellular Phone	Item 11-16	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for MBTDD 625k	Item 11-18	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for SC-FDMA (LTE) FDD Cellular Phone	Item 11-20	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Femtocell Base Station for SC-FDMA (LTE) FDD Cellular Phone	Item 11-20-2	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for SC-FDMA (LTE) FDD Cellular Phone (In-Door Use)	Item 11-20-3	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for SC-FDMA (LTE) TDD Cellular Phone (except Land Mobile Station Which Relays portable Radio Communication)	Item 11-22	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for OFDMA (UMB) FDD Cellular Phone (except Land Mobile Station Which Relays portable Radio Communication)	Item 11-24	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for WiMAX	Item 11-27	TIA 603, ANSI C63.10, CFR 47 Part 27
Base Station for OFDMA (UMB) TDD Cellular Phone (except land mobile station which relays portable radio communication)	Item 11-28	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Amateur Station	Item 12	TIA 603, CFR 47 Part 95
Base Station for 26/38 GHz Band Subscriber Radio Access Communication (point-to-multipoint type)	Item 15	TIA 603, ANSI C63.10, CFR 47 Part 101
Land Mobile Station for 22/26/38 GHz Band Subscriber Radio Access Communication (point-to-point type)	Item 15-3	TIA 603, ANSI C63.10, CFR 47 Part 101

Radio

Scope B2: Article 38-2-2(1) ii) of Radio Law (Radio Stations Prescribed in Article 27-2(i) (Blanket License)		
Radio Testing - Japan Specific Radio Type	Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar ormore stringent testing if known (not specific frequencies or power but test methods)
Fixed Station for Telemeter and Broadcasting Type Simplex Communication	Item 16	TIA 603, ANSI C63.10, CFR 47 Part 73 and 74
Fixed Station for Emergency Alarms in the 60 MHz Band	Item 17	TIA 603, ANSI C63.10, CFR 47 Part 73
Fixed Station for Telecommunications Service in the 22 GHz Band	Item 18	TIA 603, ANSI C63.10, CFR 47 Part 101
Base Station & Portable Base Station for 5 GHz Band Wireless Access System	Item 19-5	TIA 603, ANSI C63.10, CFR 47 Part 90 and 15
Base Station & Portable Base Station for 5 GHz Band Wireless Access System (low spurious type)	Item 19-6	TIA 603, ANSI C63.10, CFR 47 Part 90
Land Mobile Relay for 5 GHz Band Wireless Access System (limited for use in Special Zones)	Item 19-7	TIA 603, ANSI C63.10, CFR 47 Part 90
Land Mobile Relay for 5 GHz Band Wireless Access System (low spurious type) (limited for use in Special Zones)	Item 19-8	TIA 603, ANSI C63.10, CFR 47 Part 90
Digital MCA (1500 MHz Band, except for Land Mobile Station)	Item 20	TIA 603, ANSI C63.10, CFR 47 Part 90
Digital MCA (800 MHz Band, except for Land Mobile Station)	Item 20-2	TIA 603, ANSI C63.10, CFR 47 Part 90
PHS Base Station	Item 23	TIA 603, ANSI C63.10, CFR 47 Part 15
PHS Relay Station	Item 23-2	TIA 603, ANSI C63.10, CFR 47 Part 15
PHS Test Station	Item 23-3	TIA 603, ANSI C63.10, CFR 47 Part 15
Fixed Station for Telecommunications Service in the 38 GHz Band	Item 24	TIA 603, ANSI C63.10, CFR 47 Part 90
RZSSB System	Item 25	TIA 603, ANSI C63.10, CFR 47 Part 90
Automatic Frequency Selecting RZSSB System	Item 25-2	TIA 603, ANSI C63.10, CFR 47 Part 90
Frequency Tracking RZSSB System	Item 25-3	TIA 603, ANSI C63.10, CFR 47 Part 90
Narrow-band Digital System	Item 25-4	TIA 603, ANSI C63.10, CFR 47 Part 80, 87 and 90



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Scope B2: Article 38-2-2(1) ii) of Radio Law (Radio Stations Prescribed in Article 27-2(i) (Blanket License)		
Radio Testing - Japan Specific Radio Type	Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar ormore stringent testing if known (not specific frequencies or power but test methods)
Automatic Frequency Selecting Narrow-band Digital System	Item 25-5	TIA 603, ANSI C63.10, CFR 47 Part 80, 87 and 90
Frequency Tracking Narrow-Band Digital System	Item 25-6	TIA 603, ANSI C63.10, CFR 47 Part 90
Vehicle Detection System	Item 26	TIA 603, ANSI C63.10, CFR 47 Part 90
Beacon System	Item 27	TIA 603, ANSI C63.10, CFR 47 Part 90
Radar Class III	Item 28-3	TIA 603, ANSI C63.10
Radar Class IV	Item 29	TIA 603, ANSI C63.10
Base Station in the 60 GHz Band	Item 31-2	TIA 603, ANSI C63.10, CFR 47 Part 90, FCC KDB200443 MMW test procedure
Land Mobile Station in the 60 GHz Band (point-to-point type)	Item 31-4	TIA 603, ANSI C63.10, CFR 47 Part 101, FCC KDB 200443 MMW test procedure
Land Mobile Station in the 80 GHz Band	Item 31-5	TIA 603, ANSI C63.10, CFR 47 Part 90, FCC KDB 200443 MMW test procedure
Base Station for Dedicated Short Range Communication System	Item 33	TIA 603, ANSI C63.10, CFR 47 Part 90
Fixed Station for the Municipal Digital Disaster Prevention Service in the 60 MHz Band	Item 38	TIA 603, ANSI C63.10, CFR 47 Part 90
Digital Airport Radio System (MCA and add a direct connection type)	Item 40	TIA 603, ANSI C63.10, CFR 47 Part 90
Base Station, Land Mobile Relay Station and Land Mobile Station for Telecommunications and Public Service in the 18 GHz Band (point-to-point type)	Item 41	TIA 603, ANSI C63.10, CFR 47 Part 90
Land Mobile Station for Telecommunications and Public Service in the 18 GHz Band (point-to-multipoint type)	Item 42	TIA 603, ANSI C63.10, CFR 47 Part 101
Base Station and Land Mobile Relay Station for Telecommunications and Public Service in the 18 GHz Band (point-to-multipoint type)	Item 43	TIA 603, ANSI C63.10, CFR 47 Part 101

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Scope B2: Article 38-2-2(1) ii) of Radio Law (Radio Stations Prescribed in Article 27-2(i) (Blanket License)		
Radio Testing - Japan Specific Radio Type	Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar ormore stringent testing if known (not specific frequencies or power but test methods)
Fixed Station for Telecommunications Service in the 18 GHz Band	Item 44	TIA 603, ANSI C63.10, CFR 47 Part 90
Fixed Station for Public Service in the 18 GHz Band	Item 45	TIA 603, ANSI C63.10, CFR 47 Part 90
Fixed Station for Telecommunications Service in the 1500 MHz Band	Item 48	TIA 603, ANSI C63.10, CFR 47 Part 90
Base Station for WiMAX	Item 49	TIA 603, ANSI C63.10, CFR 47 Part 27
Base Station for MBTDD-W	Item 50	TIA 603, ANSI C63.10, CFR 47 Part 27
Femtocell Base Station for WiMAX	Item 52-2	TIA 603, ANSI C63.10, CFR 47 Part 27
Base Station for WiMAX (In-Door Use)	Item 52-3	TIA 603, ANSI C63.10, CFR 47 Part 27
Base Station for XGP	Item 52	TIA 603, ANSI C63.10, CFR 47 Part 27
Base Station for TD-LTE	Item 53	TIA 603, ANSI C63.10 CFR 47 Part 22 and 24
Femtocell Base Station for XGP	Item 54-2	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Base Station for XGP (In-Door Use)	Item 54-3	TIA 603, NSI C63.10, CFR 47 Part 22 and 24
Base Station for MBTDD 625k	Item 55	TIA 603, ANSI C63.10, CFR 47 Part 22 and 24
Gap Filler for Digital Terrestrial Television Broadcasting (Wireless Facilities to broadcast only by method to relay the broadcast program of other broadcasting stations)	Item 57	TIA 603, ANSI C63.10, CFR 47 Part 74
Gap Filler for Digital Terrestrial Television Broadcasting (Only the Wireless Facilities to perform relay broadcasting for measures of poor reception)	Item 57-2	TIA 603, ANSI C63.10, CFR 47 Part 74
Simplistic Automatic Identification System	Item 58	TIA 603, ANSI C63.10, CFR 47 Part 15
Simplistic International VHF	Item 59	TIA 603, ANSI C63.10
Simplistic International VHF (portable Type)	Item 60	TIA 603, ANSI C63.10, CFR 47 Part 90
Base Station for 200 MHz Broadband Mobile Communication System	Item 61	TIA 603, ANSI C63.10, CFR 47 Part 90



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Radio

Scope B2: Article 38-2-2(1) ii) of Radio Law (Radio Stations Prescribed in Article 27-2(i) (Blanket License)		
Radio Testing - Japan Specific Radio Type	Certification Ordinance Reference Article 2, Paragraph 1	Equivalent standard with similar ormore stringent testing if known (not specific frequencies or power but test methods)
Land Mobile Station for 200 MHz Broadband Mobile Communication System	Item 62	TIA 603, ANSI C63.10, CFR 47 Part 90
Base Station for 700 MHz Band Intelligent Transport Systems	Item 63	TIA 603, ANSI C63.10, CFR 47 Part 90
Land Mobile Station for Telecommunications Service in the 23 GHz Band.	Item 65	TIA 603, ANSI C63.10 CFR 47 Part 101
Fixed Station for Telecommunications Service in the 23 GHz Band.	Item 66	TIA 603, ANSI C63.10 CFR 47 Part 101

Radio

Hong Kong OFCA Specifications		
Radio Testing – Hong Kong Radio Equipment Specifications	HKCA⁴	Equivalent standard with similar or more stringent testing if known (not specific frequencies or power but test methods)
Single-Sideband Radiotelephone and Receiving Equipment 1.605 – 27.5 MHz for Voluntary Fitting in Small Craft	HKCA 1001, Issue 5	TIA 603-E (2016), ANSI C63.10, ANSI C63.26, CFR 47 Part 90
ISM Radio-Frequency Equipment	HKCA 1007, Issue 5	CISPR 11
Low Power Radio Microphones, including Associated Receiving Equipment	HKCA 1008, Issue 4	TIA/EIA 603-E (2016) using 47 CFR Part 74 ; C63.26, ETSI EN 300 422-2
Radio Equipment Exempted from Licensing	HKCA 1035, Issue 7	FCC Part 15 C / ETSI EN 300 220-1 ETSI EN 300 330-1, ETSI EN 300 440-1 ETSI EN 300 422-1, ETSI EN 301 091-1
2.4 GHz or 5 GHz FHSS or Digital Modulation	HKCA 1039, Issue 6	FCC Part 15 C & E / C63.10 / KDB 558074 ETSI EN 300 328 / ETSI EN 301 893
5 GHz Wireless Access	HKCA 1042, Issue 2	FCC Part 15 E
Base Station and Repeater Equipment for Use in the 3G Mobile Communications Services Employing CDMA2000 Spread Spectrum	HKCA 1053, Issue 1	TIA/EIA 603- E (2016) using 47 CFR Parts 22/C63.26
Short Range Devices 433 MHz	HKCA 1061, Issue 1	FCC Part 15 C / C63.10 ETSI EN 300 220-1
Mobile Stations and Portable Equipment for Use in GSM in 900 & 1800 MHz Bands	HKCA 1033, Issue 7	TIA/EIA 603- E (2016) using 47 CFR Parts 20, 22, 24, 27 / C63.26, ETSI EN 301 511
User Equipment for Use in the 3G Mobile Communications Services Employing CDMA Direct Spread (UTRA FDD)	HKCA 1048, Issue 2	TIA/EIA 603- E (2016) using 47 CFR Parts 20, 22, 24, 27 / C63.26 ETSI EN 301 908-1, ETSI EN 301 908-2



Radio

Hong Kong OFCA Specifications		
Radio Testing – Hong Kong Radio Equipment Specifications	HKCA ⁴	Equivalent standard with similar or more stringent testing if known (not specific frequencies or power but test methods)
Mobile Station for Use in the 3G Mobile Communications Services Employing CDMA 2000 Spread Spectrum	HKCA 1054, Issue 1	TIA/EIA 603- E (2016) using 47 CFR Parts 22/ C63.26
User Equipment for Use in the Public Mobile Communications Services Based on Evolved Universal Terrestrial Radio Access (E-UTRA) Frequency Division Duplex (FDD)	HKCA 1057, Issue 1	TIA/EIA 603- E (2016) using 47 CFR Parts 20, 22, 24, 27 / C63.26 ETSI EN 301 908-1, ETSI EN 301 908-13
User Equipment for Use in Evolved Universal Terrestrial Radio Access (E-UTRA) Time Division Duplex (TDD) Network	HKCA 1073, Issue 1	TIA/EIA 603- E (2016) using 47 CFR Parts 20, 22, 24, 27 / C63.26 ETSI EN 301 908-1, ETSI EN 301 908-13
Base Station System (BSS) and Repeater Equipment for Use in the Public Mobile Communications Service Employing GSM or PCS	HKCA 1020, Issue 7	TIA/EIA 603- E (2016) using 47 CFR Parts 20, 22, 24, 27 / C63.26 ETSI EN 301 502 V8.1.2, ETSI EN 301 502 V9.2.1 ETSI EN 300 609-4 V9.2.1
Base Station and Repeater Equipment for 3G Mobile Communications Services Employing CDMA Direct Spread (UTRA FDD)	HKCA 1043, Issue 4	TIA/EIA 603- E (2016) using 47 CFR Parts 20, 22, 24, 27 / C63.26 ETSI EN 301 908-1, ETSI EN 301 908-3 ETSI EN 301 908-13
Base Station and Repeater Equipment for Use in Public Mobile Communication Services Based on Universal Terrestrial Radio Access (E-UTRA) Frequency Division Duplex (FDD)	HKCA 1056, Issue 1	TIA/EIA 603- E (2016) using 47 CFR Parts 20, 22, 24, 27 / C63.26 ETSI EN 301 908-1, ETSI EN 301 908-14 ETSI EN 301 908-15
Multi-Standards Radio (MSR) Base Station	HKCA 1065, Issue 3	TIA/EIA 603- E (2016) using 47 CFR Parts 20, 22, 24, 27 / C63.26 ETSI EN 301 908-1 ; ETSI EN 301 908-18
Base Station for Use in Evolved Universal Terrestrial Radio Access (E-UTRA) Time Division Duplex (TDD) Network	HKCA 1072, Issue 1	TIA/EIA 603- E (2016) using 47 CFR Parts 20, 22, 24, 27 / C63.26 ETSI EN 301 908-1 ; ETSI EN 301 908-14
Performance Specification for Digital Multipoint Radio Equipment System Operating in the 2.3 GHz Band	HKCA 1076, Issue 1	TIA/EIA 603- E (2016) using 47 CFR Parts 20, 22, 24, 27 / C63.26 ETSI EN 302 326-2
Performance Specification for Radiocommunications Apparatus operating in the 60 GHz Band	HKCA 1074, Issue 1	C63.10 using 47 CFR Parts 15C ETSI EN 302 567, ETSI EN 305 550-2
Performance Specification for Short-Range Radar Equipment operating in the 79 GHz Band	HKCA 1075, Issue 2	C63.26 using 47 CFR Part 95 ETSI EN 302 264-2
Performance Specification for Radio Equipment Operating in the 920 – 925 MHz Band for the Provision of Public Telecommunications Services	HKCA 1078, Issue 1	C63.10, 47 CFR Part 15.247

Notes:

4. * = As Applicable

5. For standards or methods listed on the scope of accreditation without a revision number or issue date or with a superseded issue date or revision number, laboratories are expected to be competent in the use of the current version within one year of standard or method publication update (or by the authorized use date of a recognition body or regulatory agency). When an older standard or method is required for an accredited test, the scope will include the superseded date/version if lab demonstrated proficiency for the procedures to be enveloped by and within the limits of the listed tests and the general controls enveloped in ISO/IEC 17025 Accreditation.
6. For the CISPR standards, the test laboratory is using the regional test requirement documents as opposed to the base reference documents as defined by the regional regulatory agencies (e.g. AS/NZ representing Australia and New Zealand, EN for the European community).
7. From 1 April 2012 onward, revised versions of existing HKTA specifications and new specifications prescribed by the CA will be named as HKCA specifications. For the avoidance of doubt, unless the specific issue number of the HKTA specification is explicitly specified, reference in any document to HKTA specification shall be construed as including reference to the corresponding HKCA specification as may be revised from time to time. In addition, reference in any document to HKCA specification shall be construed as referring to the corresponding HKTA specification if the HKCA specification under reference is not yet present
8. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1446.



Vice President

