

# Approvals worldwide

## Discover the world with CTC advanced

EUROPE | USA | CANADA | JAPAN | INTERNATIONAL TYPE APPROVAL

Whether it is gathering market access information or obtaining national radio type approvals, we have the professionalism and resources to give our customers the respective services they want and need. We bring these requirements to life through our extensive conformity assessment experience, as well as our creative executions, generating captivating solutions that best satisfy our customers' strategy-driven demands.

CTC advanced is your certification companion: We assist you with your new product launch in foreign markets. On your behalf we manage conformity processes all around the world - whether it's the United States, the European Union, Asia Pacific or elsewhere. With our extensive global accreditations, recognitions and worldwide contacts with decisive authorities, we can additionally inform you on frequency issues, standards, legal aspects and access requirements of any market you want to enter.



### EUROPE / CE 0682

The scope of RED covers radio transmission/reception in the range from 0 - 3000 GHz, including both radio communication and radio determination.

Different conformity assessment modules open the way to the European Market. In this context, the **Notified Body** route ensures stability at a minimum of risks.

CTC advanced is Notified Body under the Radio Equipment Directive 2014/30/EU (RED) for:

- Annex III: EU Type Examination
- Annex IV: Full Quality Assurance



Innovation, Science and  
Economic Development Canada



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### USA / DE 0001

The US certification process relies on [FCC](#) rules.

With our status as FCC recognized [TCB \(Telecommunication Certification Body\)](#) and FCC recognized ISO/IEC 17025 accredited lab, we are able to offer a non-stop conformity assessment service for radio type approvals.

CTC advanced is the only FCC-approved European lab covering [all 18 FCC scopes](#) and being capable of testing all of them with own resources. We apply the maximum level of accuracy to obtain the most consistent and highest quality results laid down in the FCC rules.

**CTC advanced provides testing and certification inter alia according to following FCC requirements:**

- FCC PART 22, 24 & 27 for LTE/UMTS/GSM devices
- FCC PART 15.247 for BT and WLAN devices (2.4 GHz)
- FCC PART 15.407 for WLAN 802.11a/n/ac (5 GHz)
- FCC PART 15.245 (902-928 MHz band, ISM bands)
- FCC PART 15.225 for RFID (13.56 MHz)
- FCC PART 25 for satellite communications devices
- FCC PART 90 for private land mobile devices
- FCC PART 95 for personal radio devices

### CANADA / DE 0001

The Canadian equivalent of the US-American FCC is [ISED](#). CTC advanced holds an ISED recognition as [FCB \(Foreign Certification Body\)](#) under the CETA Free Trade Agreement. Covering [all five radio scopes and scope B \(BETS\)](#) as well, we are capable to test and certify the entire range of radio products.

**CTC advanced provides testing and certification inter alia according following ISED standards:**

- RSS 130, 132, 133, 139, 195 & 199 for LTE/UMTS/GSM devices
- RSS 247 for BT devices & WLAN a/b/g/n/ac devices (2.4 GHz, 5 GHz)
- RSS-220 for UWB Technology
- RSS-251 for Vehicular Radars
- RSS 170 for Satellite Earth Stations

### JAPAN / 202

Any mobile device sold in Japan must conform to both, Radio Law (RL) and Telecommunications Business Law (TBL) and related cabinet orders, ordinances and other regulations as well. As a fundamental requirement, equipment needs to be presented to recognized institutions allowed to perform conformity testing and certification. The Japanese Ministry of Internal Affairs and Communications ([MIC](#)) appointed CTC advanced as [RCB \(Recognized Certification Body\)](#). We are [one of a very limited number of foreign RCBs](#) recognized under [both laws](#). This full service is of great benefit for manufacturers of radio and telecom equipment combinations.

**CTC advanced provides testing and certification for following equipment types:**

- Extremely low power radio equipment
- Type 1, 2 and 3 Specified radio equipment
- Terminal equipment

### INTERNATIONAL TYPE APPROVAL

CTC advanced provides worldwide radio type approval services that span over 200 countries or territories. Through our experienced multilingual team and an interconnected network of local agents across all relevant geographical regions, we offer a high-level solution for fast, efficient and professional approval support, which ranges from consulting and preparation to testing, certification and labeling consultation services.

**CTC advanced provides global radio homologation services inter alia for:**

- Classical radio equipment
- Mobile radio using GSM/LTE technologies
- Medical equipment with BT or WLAN interfaces
- Automotive Radio Equipment (radar sensors, car keys, air pressure sensors, RFIDs, infotainment etc.)
- IT equipment with radio interfaces

CTC advanced's certification team holds an [ISO 9001 certification](#) issued by TÜV Nord.

**If you have further questions:**

- Visit our website on [www.ctcadvanced.com](http://www.ctcadvanced.com) or
- Contact us directly: [mail@ctcadvanced.com](mailto:mail@ctcadvanced.com)