FCC
The FCC (Federal Communications Commission) is in the USA responsible for telecommunications type approvals. FCC certification covers Radio, EMC and SAR (specific absorption rate) requirements; from July 2016 testing in an FCC recognized laboratory is obligatory. To make the certification process more efficient for manufacturers in and outside the USA, the FCC has appointed Telecommunications Certifications Bodies (TCB’s) who have the authority to review and grant an application for Certification on behalf of the FCC.

The accredited CETECOM labs in North America and in Europe dispose of several authorized TCB’s, providing testing and approval services according to all the FCC standards including:

- FCC PART 22, 24 & 27 for GSM/WCDMA/LTE devices
- FCC PART 15.247 for Bluetooth/WLAN 802.11 b/g/n (2.4 GHz)
- FCC PART 15.407 for WLAN 802.11 a/n/ac (5 GHz)
- FCC PART 15.245 for RFID (13.56 MHz)
- 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
- HAC testing according to FCC regulations
- DFS testing for devices operating within the 5.25-5.35 GHz and 5.47-5.725 GHz frequencies, FCC PART 15 subpart E.
- SAR testing according to FCC rules
- and many more

FCC approval is required for PTCRB certification. Utilizing CETECOM’s services will provide you with the convenience of obtaining FCC and PTCRB certification in parallel.

PTCRB
PTCRB certification is nowadays a prerequisite for wireless devices to sell in the North American market. PTCRB approval ensures compliance with the technical specifications as defined in the NAPRD (North American Program Reference Document) regulatory and network operator requirements. The scope of testing varies depending on a device’s features and integrated technologies, as well as whether the module is pre-certified. If you are not familiar with PTCRB certification, it is recommended to contact a PTCRB accredited test lab early on to understand all requirements specific to your device. CETECOM operates PTCRB accredited facilities in Europe, North America and Asia, offering the full line of PTCRB certification test services. This includes but is not limited to:

- Over-the-Air Performance (TRP & TIS Measurements)
- SAR testing for integration devices utilized within 20 cm of the human body
- FCC testing and approval

CTIA
The CTIA – The Wireless Association® – represents the interests of wireless telecommunication companies by defining – among other things – test plans for the implementation of certification programs for wireless devices. In addition, they also are tasked with the role of authorizing third party laboratories to handle certification testing on their behalf. These third party laboratories are called CTIA Authorized Test Laboratories (CATL).

CETECOM has CATL’s located in Europe and North America, offering test services for the following CTIA programs:

PTCRB CERTIFICATION
The CTIA acts as the administrator of the PTCRB certification process. Certain tests required for certification must be done by a CATL such as CETECOM.

OVER THE AIR PERFORMANCE
CETECOM is equipped to perform TRP & TIS measurements according to the Test Plan for Mobile Stations Over the Air Performance.

CTIA BLUETOOTH® COMPATIBILITY CERTIFICATION
A requirement for manufacturers intending to sell their Bluetooth® handset/headset to North American.

ABOUT CETECOM
For over twenty years, the CETECOM Group has been renowned as an independent test laboratory for mobile phones and other wireless devices. With over 400 employees and test labs in Europe, North America and Asia, CETECOM offers a unique service portfolio covering the entire range of cellular and consumer wireless products. CETECOM provides testing services, consulting and training for wireless technologies: GSM, WCDMA, LTE, CDMA, Bluetooth, Wi-Fi, NFC and other systems. We also perform a wide range of testing in the areas of mobile software applications, OTA, SAR, FCC, EMC, field trials, acoustics, batteries and accessories. CETECOM participates in the development of global standards and test specifications.

info@cetecom.com
www.cetecom.com