

## CITC Technical Specification

# Specification for Amateur Radio Equipment

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## Scope

This specification applies to amateur radio and ancillary equipment.

## Enforcement

This specification shall enter into force on 20/07/2021.

Any previous version of this technical specification is withdrawn.

## General Requirements

- All equipment must comply with the requirement of CITC specification GEN001, be safe and must not adversely affect other electrical equipment.
- All telecommunications and radio terminal equipment must comply with the relevant technical specifications established by CITC. In addition, such equipment may be subject to regulations for Declaration of Conformity or registration. Please visit [www.citc.gov.sa](http://www.citc.gov.sa) for details.
- If more than one interface type is offered by a piece of equipment, each interface must meet the applicable technical specifications.
- Further information on the characteristics and presentation of network interfaces can be obtained by coordinating with the mobile network operators.
- It is mandatory that test reports are obtained from a laboratory that has been accredited by a body that is a member of the ILAC Mutual Recognition Arrangement.

## Limits and conditions

Testing should be carried out to ensure compliance with the listed specifications.

Frequency band	Max Output Power or Magnetic Field	Usage	Standard	Comments
1810 – 1850 kHz	Subject to licensing	Amateur Radio	EN 301 783 EN 301 489-15	
3635 – 3620 kHz	Subject to licensing	Amateur Radio	EN 301 783 EN 301 489-15	
7000– 7200 kHz	Subject to licensing	Amateur Radio	EN 301 783 EN 301 489-15	
14000 – 14350 kHz	Subject to licensing	Amateur Radio	EN 301 783 EN 301 489-15	

18068 – 18168 kHz	Subject to licensing	Amateur Radio	EN 301 783 EN 301 489-15	
21.00 – 21.45 MHz	Subject to licensing	Amateur Radio	EN 301 783 EN 301 489-15	
24.89 – 24.99 MHz	Subject to licensing	Amateur Radio	EN 301 783 EN 301 489-15	
28.00 – 29.70 MHz	Subject to licensing	Amateur Radio	EN 301 783 EN 301 489-15	
144 – 146 MHz	Subject to licensing	Amateur Radio	EN 301 783 EN 301 489-15	
24.00 – 24.05 GHz	Subject to licensing	Amateur Radio	EN 301 783 EN 301 489-15	
47.00 – 47.20 GHz	Subject to licensing	Amateur Radio	EN 301 783 EN 301 489-15	
134.0 – 136.0 GHz	Subject to licensing	Amateur Radio	EN 301 783 EN 301 489-15	
248.0 – 250.0 GHz	Subject to licensing	Amateur Radio	EN 301 783 EN 301 489-15	

## Licensing Requirements

An amateur radio license is required to use and import this equipment.

## Additional Requirements

Amateur radio equipment are subject for device registration requirements.

## References

The following referenced documents are indispensable for the application of this document. If no issue or revision number is quoted along with the title of a technical specification or standard, the latest published version should be used.

### EN 301 783-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Commercially available amateur radio equipment; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

### EN 301 489-1

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements.

### EN 301 489-15

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 15: Specific conditions for commercially available amateur radio equipment.

## History

For reference, the latest versions of the technical specifications are published on the CITC website [www.citc.gov.sa](http://www.citc.gov.sa).

Description	Status	Date
	Issue 1	11/03/2006
	Issue 2	10/01/2010
	Issue 3	10/07/2021