

## CST Technical Specification

# Specification for Amateur Radio Equipment

Document Number: RI021  
Revision: Issue 04  
Date: October 2023

This technical specification is issued by The Communications, Space and Technology Commission in the Kingdom of Saudi Arabia in accordance with the provisions of the Communications and Information Technology Act issued by Royal Decree No. (M/106) dated 02/11/1443 AH and its bylaw, and the Commission's regulation.

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**Document History Table**

Version	Issue Date	Description
Issue 1	March 2006	
Issue 2	January 2010	
Issue 3	July 2021	
Issue 4	October 2023	

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## 1- Scope

1-1 This specification applies to amateur radio and ancillary equipment.

## 2- Enforcement

2-1 This specification shall enter into force from issue date.

2-2 Any previous version of this technical specification is withdrawn.

### 3- General Requirements

- 3-1 All equipment must comply with the requirement of CST specification GEN001, be safe and must not adversely affect other electrical equipment.
- 3-2 All telecommunications and radio terminal equipment must comply with the relevant technical specifications established by CST. In addition, such equipment may be subject to regulations for Declaration of Conformity or registration. Please visit CST website for details.
- 3-3 If more than one interface type is offered by a piece of equipment, each interface must meet the applicable technical specifications.
- 3-4 Further information on the characteristics and presentation of network interfaces can be obtained by coordinating with the mobile network operators.
- 3-5 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.

## 4- 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	

## 5- Licensing Requirements

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

## 6- Additional Requirements

Amateur radio equipment are subject for device registration requirements.

## 7- 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.