



United Arab Emirates



TECHNICAL SPECIFICATION

Amateur Radio and Ancillary Equipment

Version 1.0

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Telecommunications Regulatory Authority (TRA)
P O Box 26662, Abu Dhabi, United Arab Emirates (UAE)
www.tra.gov.ae



Technical Specification, EMC and Safety Requirements, Version 1.0, Issued 16 Month 2006

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1. Scope

This specification lists the technical requirements applicable to the following types of radio equipment:

Amateur radio and ancillary equipment

2. Definitions

Unless the context requires otherwise, the expressions and wordings appearing in Federal Law by Decree No. (3) of 2003 Regarding the Organisation of the Telecommunications Sector shall have the same meaning ascribed thereto in the above-mentioned Federal Law by Decree, and the following expression and wording shall have the following meanings assigned thereto:

| | |
|----------------|---|
| ANSI | American National Standards Institute ¹ |
| CENELEC | European Committee for Electro-technical Standardisation ² |
| CISPR | International Special Committee for Radio Interference ³ |
| IEC | International Electro-technical Commission ⁴ |
| ITU | International Telecommunications Union ⁵ |
| ETSI | European Telecommunications Standards Institute ⁶ |

¹ ANSI standards can be obtained from, <http://webstore.ansi.org>

² CENELEC standards can be obtained from, www.cenelec.org

³ CISPR standards can be obtained from, www.cenelec.org

⁴ IEC standards can be obtained from, www.iec.ch

⁵ ITU standards can be obtained from, www.itu.int

⁶ ETSI standards can be obtained from, www.etsi.org



3. Spectrum Allocations

The following frequency bands are allocated for use by radio equipment falling within the scope of this specification:

1.810 – 1.85 MHz; 3.500 – 3.800 MHz; 7.000 – 7.200 MHz;
10.100 – 10.150 MHz; 14.000 – 14.350 MHz; 18.068 – 18.168 MHz;
21.000 – 21.450 MHz; 24.890 – 24.990 MHz; 28.000 – 29.700 MHz;
144.000 – 146.000 MHz; 10.450 – 10.500 MHz;
24.000 – 24.250 GHz; 47.000 – 47.200 GHz; 76.000 – 77.500 GHz ;
134.00 – 141.00 GHz; 241.00 – 250.00 GHz

Note: Frequency allocations can change and this information should be checked with TRA Spectrum Affairs department.

4. Technical Requirements

General

All equipment shall comply with TRA specification TS001 concerning safety and EMC performance.

Specific

Unless stated otherwise below, the latest published versions of the following standards shall apply:

ETSI 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

ETSI 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



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ETSI 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