



United Arab Emirates



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# TECHNICAL SPECIFICATION

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## Non-Specific Short Range Devices

Version 1.0

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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:

Non-specific short range devices

## 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:

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

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

<sup>2</sup> CENELEC standards can be obtained from, [www.cenelec.org](http://www.cenelec.org)

<sup>3</sup> CISPR standards can be obtained from, [www.cenelec.org](http://www.cenelec.org)

<sup>4</sup> IEC standards can be obtained from, [www.iec.ch](http://www.iec.ch)

<sup>5</sup> ITU standards can be obtained from, [www.itu.int](http://www.itu.int)

<sup>6</sup> ETSI standards can be obtained from, [www.etsi.org](http://www.etsi.org)



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### 3. Spectrum Allocations

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

433.050 – 434.790MHz

868.000 – 875.400MHz

2400 – 2483.5 MHz

5725 – 5875MHz

The following allocations are currently under consideration by TRA:

6.765 – 6.795 MHz\*

13.553 – 13.567 MHz\*

26.957 – 27.283 MHz\*

40.660 – 40.700 MHz\*

49.820 – 49.980 MHz\*

24000 – 24250 MHz \*

61000 – 61500 MHz\*

122000 – 123000 MHz\*

244000 – 246000 MHz\*

**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:

- |                          |  |
|--------------------------|--|
| <b>ETSI EN 300 220-3</b> | Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1000 MHz frequency range with power levels ranging up to 500 mW; Part 3: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive |
| <b>ETSI EN 300 330-2</b> | Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive                    |
| <b>ETSI EN 300 440-2</b> | Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive   |
| <b>ETSI EN 301 489-1</b> | 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 301 489-3**

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part: Specific conditions for Short Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz