



United Arab Emirates



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# TECHNICAL SPECIFICATION

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## Radio Hearing Aids

Version 1.0

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

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

## TABLE OF CONTENTS

1.	Scope .....	Error! Bookmark not defined.
2.	Definitions.....	Error! Bookmark not defined.
3.	Spectrum Allocations.....	Error! Bookmark not defined.
4.	Technical Requirements.....	Error! Bookmark not defined.



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

**1. Scope**

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

GSM Base Stations 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:

<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)



### 3. Spectrum Allocations

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

3 – 4 MHz

173.965 – 174.015 MHz

402 – 405 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:

**ETSI EN 300 220-3** 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

**ETSI EN 300 422-2** Electromagnetic compatibility and Radio spectrum Matters (ERM); Wireless microphones in the 25 MHz to 3 GHz frequency range; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive



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

**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

**ETSI EN 301 489-3** Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz