



United Arab Emirates



TECHNICAL SPECIFICATION

UMTS Basestation

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:

UMTS basestation .

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:

880 – 915 paired with 925 – 960 MHz

1920 – 1980 paired with 2110 – 2170 MHz

1880 – 1920 and 2010 – 2015 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 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 301 489-23 Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 23: Specific conditions for IMT-2000 CDMA Direct Spread (UTRA) Base Station (BS) radio, repeater and ancillary equipment



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- ETSI EN 301 908-1** Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS) and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 1: Harmonized EN for IMT-2000, introduction and common requirements, covering essential requirements of article 3.2 of the R&TTE Directive
- ETSI EN 301 908-3** Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS) and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 3: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD) (BS) covering essential requirements of article 3.2 of the R&TTE Directive
- ETSI EN 301 908-7** Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 7: Harmonized EN for IMT-2000, CDMA TDD (UTRA TDD) (BS) covering essential requirements of article 3.2 of the R&TTE Directive
- ETSI EN 301 908-11** Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 11: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD) (Repeaters) covering essential requirements of article 3.2 of the R&TTE Directive