



United Arab Emirates



TECHNICAL SPECIFICATION

Fixed Wireless Access and Ancillary Equipment

Version 1.0

Document Date: 6 October 2006

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

Version Control:

Version:	Issue Date:	Reason for Issuance:
1.0	6 October 2006	First version of Fixed Wireless Access and Ancillary Equipment



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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:

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



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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:

1427 – 1525 MHz

2300 – 2400 MHz

3400 – 3600 MHz

3600 – 3800 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 301 489-4 Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 4: Specific conditions for fixed radio links and ancillary equipment and services.



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- ETSI EN 302 326-2** Fixed Radio Systems; Multipoint Equipment and Antennas; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive for Digital Multipoint Radio Equipment.
- ETSI EN 302 326-3** Fixed Radio Systems; Multipoint Equipment and Antennas; Part 3: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive for Multipoint Radio Antennas.
- ETSI EN 301 753** Fixed Radio Systems; Multipoint equipment and antennas; Generic harmonized standard for multipoint digital fixed radio systems and antennas covering the essential requirements under article 3.2 of the Directive 1999/5/EC.
- ETSI EN 302 217-2-2** Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive for digital systems operating in frequency bands where frequency co-ordination is applied.
- ETSI EN 302 217-3** Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 3: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive for equipment operating in frequency bands where frequency co-ordination is applied.