CITC Technical Specification

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Specification for Wireless Local Loop Subscriber Equipment

Issued by The Communications and Information Technology Commission of Saudi Arabia in accordance with article 89 of the Telecommunications Bylaw.

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This publication is a translation. In case of divergence; the original Arabic text shall prevail.
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Scope
This document applies to Wireless Local Loop Subscriber Equipment .

All telecommunications and radio terminal equipment must comply with the
relevant technical specifications established by CITC. In addition, such
equipment may be subject to regulations for Declaration of Conformity or

If more than one interface type is offered by a piece of equipment, each
interface must meet the applicable technical specifications.

Entry into force
This specification shall enter into force on 10/01/2010 G

Frequency of operation
The following frequency band has been allocated for wireless local loop
applications.

3.400 – 3.600 GHz

If other frequency bands are being considered for use in wireless local loop
applications, Frequencies will be assigned on a case-by-case basis.
Proof of compliance

It is recommended that test reports are obtained from a laboratory that has been accredited by a body that is a member of the ILAC Mutual Recognition Arrangement.

Technical requirements

A number of technologies may be used to provide Wireless Local Loop (WLL) services including GSM, DECT and point-to-point. Where this is the case, the equipment should comply with the requirements of the specification appropriate to the technology.

Testing should also be carried out to ensure compliance with the following specifications:

**EN 302 217-2-2**
Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 2 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

**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

**EN 302 217-4-2**
Fixed Radio Systems — Characteristics and requirements for point-to-point equipment and antennas — Part 4-2: Harmonized EN covering essential requirements of Article 3(2) of R&TTE directive for antennas

**EN 302 326-2**
Fixed Radio Systems — Multipoint Equipment and Antennas - Part 2: Harmonised EN covering the essential requirements of Article 3(2) of the R&TTE directive for Multipoint Radio Equipment

**EN 302 326-3**
Fixed Radio Systems — Multipoint equipment and antennas - Part 3: Harmonised EN covering the essential requirements of Article 3(2) of the R&TTE directive for Multipoint Radio Antennas

**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
**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

Where no issue or revision number is quoted along with the title of a technical specification, the latest published version should be used.

**General**
In addition to meeting the above requirements, all equipment must comply with the requirement of CITC specification GEN001, be safe and must not adversely affect other electrical equipment.

**Additional requirements**
No additional requirements exist for Wireless Local Loop Subscriber Equipment.

**Obtaining technical standards**
ETSI technical standards may be obtained free of charge for individual use from the ETSI website www.etsi.org.

**Network information (only for network interfaces)**
Further information on the characteristics and presentation of network interfaces can be found by visiting operator's website.

**Document history**

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