



CITC Technical Specification

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Specification for WiMAX Subscriber Equipment, Base Stations and Ancillary 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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Scope

This document applies to WiMAX Subscriber Equipment, Base Stations and Ancillary 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 registration. See <http://www.citc.gov.sa/> for details.

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

Following table is showing information on frequency bands, maximum output power and applicable specifications:

Frequency band	Maximum Output Power or Magnetic Field	ETSI Standard (Terminal)	ETSI Standard (Base Station)
3.400 – 3.600 GHz	*	EN 302 623	EN 302 326
3.600 - 3.800 GHz	*	EN 302 623	EN 302 326
2.500 - 2.6860 GHz	*	EN 302 544-2	EN 302 544 -1

* Maximum output power will be determined by CITC on a case-by-case decision.

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

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

EN 302 544-1

Broadband Data Transmission Systems operating in the 2500 MHz to 2690 MHz frequency band; Part 1: TDD Base Stations; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive.

EN 302 544-2

Broadband Data Transmission Systems operating in the 2 500 MHz to 2 690 MHz frequency band; Part 2: TDD User Equipment Stations; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

EN 302 623

Broadband Wireless Access Systems (BWA) in the 3400 MHz to 3800 MHz frequency band; Mobile Terminal Stations; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive.

EN 302 326-1

Fixed Radio Systems; Multipoint Equipment and Antennas; Part 1: Overview and Requirements for Digital Multipoint Radio Systems.

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.

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.

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.

If 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

A licence must be obtained before this kind of equipment can be used in the
Kingdom. This licence will detail conditions of use and any additional
requirements which must be met.

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

Description	Status	Date
	Issue 1	11/03/2006 G
	Issue 2	10/01/2010 G