



## CITC Technical Specification

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### Specification for Broadband Wireless Access 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 Broadband Wireless Access 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

The following frequency bands have been allocated for use by broadband wireless access equipment in the Kingdom:

2.400 – 2.485 GHz;  
5.150 – 5.350 GHz;  
5.725 – 5.825 GHz.

## **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**

### **EN 300 328**

Electromagnetic compatibility and Radio spectrum Matters (ERM) .-  
Wideband transmission systems - Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques -  
Harmonized EN covering essential requirements under Article 3(2) of the R&TTE directive.

### **EN 301 893**

Broadband Radio Access Networks (BRAN); 5 GHz High Performance RLAN; Harmonised EN covering essential requirements of article 3.2 of the R&TTE directive.

### **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 301 489-17**

Electromagnetic compatibility and Radio spectrum Matters (ERM);  
Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment.

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**

All equipment must comply with the Wireless Local Area Networks Regulation. See <http://www.citc.gov.sa/> for details.

## Obtaining technical standards

ETSI technical standards may be obtained free of charge for individual use from the ETSI website [www.etsi.org](http://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