



## CITC Technical Specification

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## Specification for Paging 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 Paging 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

## Characteristics of current one way paging formats

Protocol	Data Rate	Channel	Modulation
FLEX	6400 bps	25 kHz	2 FSK, 4 FSK
ERMES	6250 pps	25 kHz	4 FSK

## 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
136.0000 –174.0000 MHz	100W	EN 300 224
169.4125 - 169.8125 MHz	100W	EN 300 133
440.0000 – 470.0000 MHz	100W	EN 300 224

## 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 300 133-4

Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Enhanced Radio Messaging System (ERMES); Part 4: Air interface specification.

### EN 300 224-2

Electromagnetic compatibility and Radio spectrum Matters (ERM) — On-site paging service - Part 2: Harmonized EN under 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 301 489-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 2: Specific condition for Radio Paging 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 CIRC specification GEN001, be safe and must not adversely affect other electrical equipment.

### **Additional requirements**

No additional requirements exist for paging base stations and ancillary equipment at this time.

### **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