



## CITC Technical Specification

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## Specification for Powerline 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 Powerline 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	CENELEC Standard
1.6 MHz - 30 MHz	- 50 dBm/Hz	EN 55022 EN 50412-2-1

## 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 55022

Information technology equipment — Radio disturbance characteristics — Limits and methods of measurement (CISPR 22).

### EN 50412-2-1

Power line communication apparatus and systems used in low-voltage installations in the frequency range 1.6 MHz to 30 MHz Part 2-1: Residential, commercial and industrial environment Immunity requirements.

### 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

Power line equipment imported into Saudi Arabia should be approved by a recognized industry alliance, such as HomePlug, Universal Powerline Association (UPA), HD-PLC.

## Obtaining technical standards

CENELEC technical standards may be obtained for cost from [www.cenelec.org](http://www.cenelec.org).

## Document history

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