



CITC Technical Specification

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Specification for TETRAPOL 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 TETRAPOL 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
30 MHz – 1000 MHz (Tx / Rx) *1)	Rated carrier power (conducted) +/- 1,5 dB under normal conditions + 2,0 dB under extreme conditions - 3,0 dB under extreme conditions	300 086 300 113

*1) Certain frequency bands in the range 30 MHz – 1000 MHz may be assigned for use by TETRAPOL base stations. CITC spectrum affairs department will assign frequencies 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

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

EN 300 086-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech. Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE directive.

EN 300 113-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile Service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Part 2: Harmonized EN covering essential requirements 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 301 489-5

Electromagnetic compatibility and Radio spectrum Matters (ERM);
Electromagnetic Compatibility (EMC) standard for radio equipment and
services; Part 5: Specific conditions for Private land Mobile Radio (PMR)
and ancillary equipment (speech and non-speech).

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

A licence must be obtained before equipment of this type can be used.

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