



CITC Technical Specification

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Specification for Analogue PMR 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 Analogue PMR 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

Certain frequencies in the 136-174 MHz frequency band and in the 400 MHz frequency band may be made available for use by analogue PMR equipment. Frequencies will be assigned on a case-by-case basis for PMR applications.

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 as appropriate:

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 300 471-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Access protocol, occupation rules and corresponding technical characteristics of radio equipment for the transmission of data on shared channels. 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).

FCC, CFR Title 47, Part 90, Private Land Mobile Radio Services (specific to US originated equipment only)

ANSI/TIA/EIA 603 (specific to US originated equipment only)

Land mobile FM or PM communication equipment, measurement and performance standard

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

Additional requirements may exist for the use of Analogue PMR base stations and ancillary equipment. A licence must be obtained before equipment of this type 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, FCC rules may be obtained free of charge for individual use from the ETSI web site www.etsi.org or through www.fcc.gov. ANSI technical standards may be obtained at cost from <http://webstor.ansi.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