

CITC Technical Specification

Specification for Wireless Local Loop Subscriber Equipment

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This Technical Specification will be withdrawn by 1/1/2022

Issued by The Communications and Information Technology Commission of Saudi Arabia in accordance with article 84 of the Telecommunications Bylaw.

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Scope

This specification applies to wireless local loop subscriber equipment and base stations.

WLL equipment is used as a wireless communication link between the end user and a network operator. The technology is used to provide telephony and internet services to the end user.

Enforcement

This specification shall enter into force on 20/07/2021.

Any previous version of this technical specification is withdrawn.

General Requirements

- All equipment must comply with the requirement of CITC specification GEN001, be safe and must not adversely affect other electrical 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. Please visit 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.
- Further information on the characteristics and presentation of network interfaces can be obtained by coordinating with the mobile network operators.
- It is mandatory 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.

Limits and conditions

Testing should be carried out to ensure compliance with the listed specifications.

Frequency band	Max Output Power or Magnetic Field	Usage	Standard	Comments
3.4 - 3.6 GHz	Subject to licensing	WLL	EN 302 217 EN 302 326 EN 301 489-4	

Licensing Requirements

A spectrum license is required to use this service.

Additional Requirements

There is no additional requirements for this technical specification.

References

The following referenced documents are indispensable for the application of this document. If no issue or revision number is quoted along with the title of a technical specification or standard, the latest published version should be used.

EN 302 217-2-2

Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 2 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE directive for digital systems operating in frequency bands where frequency co-ordination is applied

EN 302 217-3

Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 3: Harmonized EN covering essential requirements of article 3.2 of the R&TTE directive for equipment operating in frequency bands where frequency co-ordination is applied

EN 302 326-2

Fixed Radio Systems – Multipoint Equipment and Antennas - Part 2: Harmonised EN covering the essential requirements of Article 3(2) of the R&TTE directive for Multipoint Radio Equipment.

EN 302 326-3

Fixed Radio Systems – Multipoint equipment and antennas - Part 3: Harmonised EN covering the essential requirements of Article 3(2) of the R&TTE directive for Multipoint Radio Antennas.

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 301 489-4

Electromagnetic compatibility and Radio spectrum Matters (ERM);
Electromagnetic Compatibility (EMC) standard for radio equipment and
services; Part 4: Specific conditions for fixed radio links and ancillary
equipment and services.

History

For reference, the latest versions of the technical specifications are published on
the CITC website www.citc.gov.sa.

Description	Status	Date
	Issue 1	11/03/2006
	Issue 2	10/01/2010
Merge of RI033 “Specification for Wireless Local Loop Subscriber Equipment” with RI010 “Specification for Wireless Local Loop Base Stations and Ancillary Equipment” into one technical specification.	Issue 3	10/07/2021