هيئة الاتصالات وتقنية المعلومات
Communications and Information Technology Commission

CITC Technical Specification

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Specification for Global Navigation Satellite System receivers

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Scope

This document applies to Global Navigation Satellite System (GNSS) receivers, such as operating with GPS, GLONASS and other GNSS.

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 15/12/2018 G

Frequency of operation

The following table is showing information on frequency bands.

Frequency band	GNSS Band Designations	ETSI Standard
1164–1215 MHz	E5a, E5b, L5	EN 303 413
1559–1610 MHz	B1, E1, G1, L1	EN 303 413
1215–1300 MHz	E6, G2, L2	EN 303 413

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

EN 303 413
Satellite Earth Stations and Systems (SES); Global Navigation Satellite System (GNSS) receivers; Radio equipment operating in the 1 164 MHz to 1 300 MHz and 1 559 MHz to 1 610 MHz frequency bands; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

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 301 489-3
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz

General
In addition to meeting the above requirements, all equipment must comply with the requirements of CITC specification GEN001, be safe and must not adversely affect other electrical equipment.

Obtaining technical standards

CENELEC technical standards may be obtained for cost from www.cenelec.org.

Document history

Description	Status	Date
	Issue 1	28/01/2009 G
	Issue 2	15/12/2018 G