

CITC Technical Specification

Specification for Animal Implantable Devices

Document Number: RI084
Revision: Issue 02
Date: 02/03/2021

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

Communications and Information Technology Commission (CITC)
P.O Box 75606 – Riyadh 11588 – Kingdom of Saudi Arabia

Telephone: + 966 1 14618000
Fax: + 966 1 14618120
E-mail: info@citc.gov.sa
Website: www.citc.gov.sa

Contents

Scope 3

Enforcement 3

General Requirements 4

Limits and conditions 4

Licensing Requirements 5

Additional Requirements 5

References 6

History 7

DRAFT

Scope

This specification applies to animal implantable devices.

Animal implantable devices are used for data acquisition that are implanted into animals' bodies.

Enforcement

This specification shall enter into force on 01/06/2021.

Any previous version of this technical specification is withdrawn.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. See 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 found by visiting operator's website.

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
315 – 600 kHz	-5 dB μ A/m @10m	Animal implantables	EN 302 536-2 EN 301 489-27	
12.5 – 20 MHz	-7 dB μ A/m @10m	Animal implantables	EN 300 330 EN 301 489-31	

Licensing Requirements

No licensing requirements apply.

Additional Requirements

There is no additional requirements for this technical specification.

DRAFT

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 300 330

Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

EN 302 536-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 315 kHz to 600 kHz; Part 2: Harmonized EN covering essential requirements of article 3(2) of the R&TTE directive.

EN 302 536-1

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 315 kHz to 600 kHz; Part 1: Technical characteristics and test methods

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 301 489-27

Electromagnetic compatibility and Radio spectrum Matters (ERM);
Electromagnetic Compatibility (EMC) standard for radio equipment and
services – Part 27: Specific conditions for Ultra Low Power Active Medical
Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P).

EN 301 489-31

Electromagnetic compatibility and Radio spectrum Matters (ERM);
Electromagnetic Compatibility (EMC) standard for radio equipment and
services; Part 31: EMC for radio equipment in the 9 to 315 kHz band for
Ultra Low Power Active Medical Implants (ULP-AMI) and related
peripheral devices (ULP-AMI-P).

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	10/01/2010
	Issue 2	02/03/2021