



CITC Technical Specification

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Specification for DAB, DVB and DRM Broadcasting Receivers

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 DAB, DVB and DRM Broadcasting Receivers

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	Application	Standard
47 - 68 MHz	TV analogue	EN 55013
174 - 240 MHz	TV analogue, DVB-T, DAB-T	EN 55020
1 452 - 1 492 MHz	DAB-T, DAB-S	
470 - 606 MHz	TV analogue, DVB-T	EN 55013
606 - 862 MHz	TV analogue, DVB-T	EN 55020
11.7 – 12.5 GHz	DVB-S, DAB-S	EN 55013 EN 55020
148.5 KHz – 283.5 KHz	DRM	EN 55013
526.5 KHz – 1606.5 KHz		EN 55020
2.3 MHz – 27 MHz		

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 55013

Sound and television broadcast receivers and associated equipment — Radio disturbance characteristics — Limits and methods of measurement

EN 55020

Sound and television broadcast receivers and associated equipment — Immunity characteristics — Limits and methods of measurement

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 CITEC 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

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

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	Issue 1	10/01/2010 G