



CITC Technical Specification

Document Number: RI026
Revision: Issue 2
Date: 10/01/2010 G

Specification for V-SAT Terminals and Ancillary Equipment

Issued by The Communications and Information Technology Commission of Saudi Arabia in accordance with article 89 of the Telecommunications Bylaw.

Communications and Information Technology Commission
King Fahad Highway
Riyadh

Telephone: + 966 1 461 8050
Fax: + 966 1 461 8150
E-mail: info@citc.gov.sa
Website: www.citc.gov.sa

Contents

This document comprises the following sections:

Scope.....	2
Entry into force	2
Frequency of operation	2
Proof of compliance.....	2
Technical requirements.....	3
Additional requirements	3
Obtaining technical standards.....	4
Network information (only for network interfaces)	4
Document history.....	4

Scope

This document applies to V-SAT Equipment 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

The following frequency bands have been allocated for use by V-SAT transceiver equipment in L – band (1.5/1.6 GHz), C - band (4 GHz, 6 GHz) and Ku - band (11 GHz, 12 GHz and 14 GHz).

Frequencies within these bands will be assigned by CITC as appropriate.

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:

EN 301 426

Satellite earth stations and Systems (SES); Harmonised EN for low data rate land mobile satellite earth stations (LMES) operating in the 1.5/1.6 GHz frequency bands covering essential requirements under Article 3(2) of the R&TTE directive.

EN 301 443

Satellite Earth stations and Systems (SES); Harmonised EN for Very Small Aperture Terminal (VSAT); Transmit-only, transmit-and-receive, receive-only satellite earth stations operating in the 4GHz and 6GHz frequency bands covering essential requirements under article 3.2 of the R&TTE directive.

EN 301 428

Satellite Earth stations and Systems (SES); Harmonised EN for Very Small Aperture Terminal (VSAT); Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands 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 301 489-12

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 12: Specific conditions for Very Small Aperture Terminal (VSAT), Satellite Interactive Earth Stations operated in the frequency ranges between 4GHz and 30GHz in the Fixed Satellite Service (FSS).

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

A licence must be obtained before equipment of this type can be used.

Obtaining technical standards

ETSI technical standards may be obtained free of charge for individual use from the ETSI website www.etsi.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