



TECHNICAL SPECIFICATION

FOR

SHORT RANGE RADIO AND RELATED EQUIPMENT

ISSUED BY

**BOTSWANA COMMUNICATIONS REGULATORY
AUTHORITY**

Document Number: TS0038
Revision: Original V1.1
Date: 11 December 2015

Technical Specification for Short Range Radio and Related Equipment

Contents

Scope	3
Entry into Force	3
Document History	3
Spectrum Allocation	4
Health, Safety, and Generic Emissions	4
Technical, Spectrum and EMC Requirements	4
Additional requirements	4

Issued by:

Botswana Communications Regulatory Authority
Plot 50671, Independence Avenue
Private Bag 00495
Gaborone

Tel: +267 395 7755, Fax: +267 395 7976
Email: info@bocra.org.bw
Website: www.bocra.org.bw

Scope

This specification applies to all short range radio and related equipment to be used in Botswana.

Where terminal equipment supports more than one interface type, each interface must meet the requirements applicable to it. It may therefore be necessary to make reference to additional specifications.

Entry into Force

This specification shall enter into force on 15/01/2016.

Document History

Description	Status	Date
Short Range Radio and Related Equipment	Original V1.1	11/12/2015

Spectrum Allocation

The following frequency bands have been allocated for use by short range radio and related equipment in Botswana: 446.000 – 446.100 MHz and 29.710 – 27.985 MHz

Health, Safety, and Generic Emissions

The following universal specifications shall be applied.

TS0001: Health, Safety and Generic Emissions of Radio and Telecommunications Terminal Equipment.

Technical, Spectrum and EMC Requirements

The following specifications shall be applied.

ETSI EN 301 489-1 V1.9.2

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

ETSI EN 300 390-1 V1.2.1

ElectroMagnetic Compatibility and Radio Spectrum Matters (ERM); Land Mobile Service; Radio equipment intended for the transmission of data (and speech) and using an integral antenna; Part 1: Technical characteristics and test conditions

ETSI EN 300 390-2 V1.1.1

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment intended for the transmission of data (and speech) and using an integral antenna; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

Important Note: The revision numbers of the documents given in the approval standard are the minimum standards that apply. Should updated versions of these documents be published, the latest version will always apply. This also applies to documents where no revision number is currently quoted.

Additional Requirements

No additional requirements exist for short range radio and related equipment at this time.

Obtaining Technical Standards

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

CENELEC, IEC and CISPR standards may be obtained at cost from, or through www.cenelec.org and from www.iec.ch respectively.