



TECHNICAL SPECIFICATION

FOR

**HIPERLAN 5.2 – 5.8 GHZ AND ANCILLARY
EQUIPMENT**

ISSUED BY

**BOTSWANA COMMUNICATIONS REGULATORY
AUTHORITY**

Document Number: TS0020
Revision: Original V1.1
Date: 11 December 2015

Technical Specification for HIPERLAN 5.2 – 5.8 GHz and Ancillary Equipment

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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 HIPERLAN 5.2 – 5.8 GHz and ancillary 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
HIPERLAN 5.2 – 5.8 GHz and Ancillary Equipment	Original V1.1	11/12/2015

Spectrum Allocation

The following frequency bands have been allocated for use by HIPERLAN 5.2 – 5.8 GHz and ancillary equipment in Botswana: 5150 – 5350 MHz and 5470 – 5725 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 301 489-17 V2.2.1

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems

ETSI EN 301 893 V1.8.1

Broadband Radio Access Networks (BRAN); 5 GHz High Performance RLAN; Harmonised EN covering essential requirements of article 3.2 of the R&TTE directive

ETSI EN 302 502 V1.2.1

Broadband Radio Access Networks (BRAN); 5,8 GHz fixed broadband data transmitting systems; Harmonized EN covering the essential requirements of 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 the private indoor use of HIPERLAN equipment and applications for indoor use. However, a licence must be obtained before equipment of this type can be used to offer public access or “hotspots” in Botswana. This licence will detail conditions of use and any additional requirements which must be met.

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.