



TECHNICAL SPECIFICATION

FOR

**RADIO VHF (FM) BROADCAST AND ANCILLARY
EQUIPMENT**

ISSUED BY

BOTSWANA TELECOMMUNICATIONS AUTHORITY

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Technical Specification for Radio VHF (FM) Broadcast and ancillary equipment

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Scope

This specification applies to all radio VHF (FM) broadcast 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 01/12/12.

Document History

Description	Status	Date
First issue of type approval guidelines	Draft	2005
Second issues of type approval guidelines	Current	2007
Third issue of type approval	Revision 1	2012

Spectrum Allocation

The following frequency band has been allocated for use by radio VHF (FM) broadcast and ancillary equipment in Botswana: 87.5 – 108.0 MHz.

Safety and EMC requirements

The following specifications shall be applied:

TS0001: Safety and EMC requirements of radio and telecommunications terminal equipment.

Technical requirements

The following specifications shall be applied.

ETS 300 384

Radio broadcast systems; Very High Frequency (VHF), frequency modulated, sound broadcasting transmitters

ETSI 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

ETSI EN 301 489-11

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 11: Specific conditions for terrestrial sounds broadcasting service transmitters

ETSI EN 302 018-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); transmitting equipment for the Frequency Modulated (FM) radio broadcast service; Part 2: Harmonised EN under article 3.2 of the R&TTE directive

Where no issue or revision number is quoted along with the title of a technical specification, the latest published version should be used.

Additional requirements

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