



TECHNICAL SPECIFICATION

FOR

RADIO MF/HF (AM) BROADCAST EQUIPMENT

ISSUED BY

**BOTSWANA COMMUNICATIONS REGULATORY
AUTHORITY**

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Technical Specification for Radio MF/HF (AM) Broadcast equipment

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Scope

This specification applies to all radio MF (AM) broadcast equipment to be used in Botswana

Entry into Force

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

Document History

Description	Status	Date
Radio MF (AM) Broadcast Equipment	Original V1	11/12/2015

Spectrum Allocation

The frequency bands between 150 and 285 kHz and between 525 and 1 605 kHz allocated to the MF (AM) broadcasting service under Article 5 of the Radio Regulations, Geneva, 1959

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.

Rule of Procedure related to Annex 2 to the GE75 Agreement, as amended by decision of the RRB in December 2002 for the Radio MF/HF (AM) broadcast standards for Botswana

In ITU Regions 1 and 3, the GE75 LF/MF Final Acts provide a plan for the assignment of frequencies to broadcasting stations, a modification procedure (Article 4) and the technical details to be used for the preparation of the plan. This Agreement is based on analogue Amplitude Modulated Double-Side Band (AM DSB) transmissions

ETSI EN 301 489-11 V 1.3.1: Electromagnetic compatibility and Radio Spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 11: Specific conditions for terrestrial sound broadcasting service transmitters Multi-part EMC Standard, for radio equipment EN 301 489-11 (All parts)

ETSI EN 302 017-1 V 1.1.1: Electromagnetic compatibility and Radio Spectrum Matters (ERM); Transmitting equipment for the Amplitude Modulated (AM) sound broadcasting service; Part 1: Technical characteristics and test methods. Transmitting equipment for the amplitude-modulated broadcast radio service

ETSI EN 302 017-2 V 1.1.1: Electromagnetic compatibility and Radio Spectrum Matters (ERM); Transmitting equipment for the Amplitude Modulated (AM) sound broadcasting service; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive. Transmitting equipment for the amplitude-modulated broadcast radio service

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

Additional requirements exist for the use of Radio MF/HF (AM) broadcast and ancillary equipment at this time. 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

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