



United Arab Emirates



TECHNICAL SPECIFICATION

Sound Broadcasting Equipment

Version 1.0

Document Date: 6 October 2006

Telecommunications Regulatory Authority (TRA)
P O Box 26662, Abu Dhabi, United Arab Emirates (UAE)
www.tra.gov.ae



Technical Specification, EMC and Safety Requirements, Version 1.0, Issued 16 Month 2006

Version Control:

Version:	Issue Date:	Reason for Issuance:
1.0	6 October 2006	First version of Sound Broadcasting Equipment



Technical Specification, EMC and Safety Requirements, Version 1.0, Issued 16 Month 2006

TABLE OF CONTENTS

1.	Scope	Error! Bookmark not defined.
2.	Definitions.....	Error! Bookmark not defined.
3.	Spectrum Allocations.....	Error! Bookmark not defined.
4.	Technical Requirements.....	Error! Bookmark not defined.



1. Scope

This specification lists the technical requirements applicable to the following types of radio equipment:

Sound broadcasting equipment

2. Definitions

Unless the context requires otherwise, the expressions and wordings appearing in Federal Law by Decree No. (3) of 2003 Regarding the Organisation of the Telecommunications Sector shall have the same meaning ascribed thereto in the above-mentioned Federal Law by Decree, and the following expression and wording shall have the following meanings assigned thereto:

ANSI	American National Standards Institute ¹
CENELEC	European Committee for Electro-technical Standardisation ²
CISPR	International Special Committee for Radio Interference ³
IEC	International Electro-technical Commission ⁴
ITU	International Telecommunications Union ⁵
ETSI	European Telecommunications Standards Institute ⁶

¹ ANSI standards can be obtained from, <http://webstore.ansi.org>

² CENELEC standards can be obtained from, www.cenelec.org

³ CISPR standards can be obtained from, www.cenelec.org

⁴ IEC standards can be obtained from, www.iec.ch

⁵ ITU standards can be obtained from, www.itu.int

⁶ ETSI standards can be obtained from, www.etsi.org



Technical Specification, EMC and Safety Requirements, Version 1.0, Issued 16 Month 2006

3. Spectrum Allocations

The following frequency bands are allocated for use by radio equipment falling within the scope of this specification:

0.1485 – 0.2835 MHz

0.5265 – 1.6065 MHz

Various Sub-bands in the range 2.3 – 26.1 MHz

87.5 – 108.0 MHz

174 – 230 MHz

1452.0 – 1467.5 MHz

Note: Frequency allocations can change and this information should be checked with TRA Spectrum Affairs department.

4. Technical Requirements

General

All equipment shall comply with TRA specification TS001 concerning safety and EMC performance.

Specific

Unless stated otherwise below, the latest published versions of the following standards shall apply:

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
--------------------------	--



Technical Specification, EMC and Safety Requirements, Version 1.0, Issued 16 Month 2006

- 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 302 017-2** Electromagnetic compatibility and Radio spectrum Matters (ERM); Transmitting equipment for the Amplitude Modulated (AM) sound broadcasting service; Part 2: Harmonised EN under article 3.2 of the R&TTE directive
- ESTI EN 302 018-2** Electromagnetic compatibility and Radio spectrum Matters (ERM); Transmitting equipment for the Frequency Modulated (FM) sound broadcasting service; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive
- ETSI EN 302 077-2** Electromagnetic compatibility and Radio spectrum Matters (ERM); Transmitting equipment for the Terrestrial - Digital Audio Broadcasting (T-DAB) service; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive
- ESTI EN 302 245-2** Electromagnetic compatibility and Radio spectrum Matters (ERM); Transmitting equipment for the Digital Radio Mondiale (DRM) broadcasting service Part 2: Harmonized EN under article 3.2 of the R&TTE Directive