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# TECHNICAL SPECIFICATION

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## Requirements for Broadband Wireless Access Subscriber Equipment, Base Stations and Ancillary Equipment

TS RE 014, Version 1.0

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## 1 General requirements

Technical specification has been prepared and approved by the Telecommunications Regulatory Authority (TDRA) based on the Telecommunication apparatus Type Approval Regime.

Several technical specifications may apply to the equipment. If equipment within the scope of this technical specification also incorporates functions that are covered by another technical specification, the relevant technical specification is applied to each function separately. The influence of one function on the other is taken into account.

## 2 Scope

This technical specification applies to Broadband Wireless Access Subscriber Equipment, Base Stations and Ancillary Equipment.

This technical specification defines minimum technical requirements for health and safety, electromagnetic compatibility, efficient use of radio spectrum and additional essential requirements based on the Telecommunication apparatus Type Approval Regime.

Unless the context requires otherwise, the expressions and wordings appearing in the Telecommunication apparatus Type Approval Regime shall have the same meaning described thereto.

## 3 Technical Requirements

### 3.1 Efficient use of radio spectrum

The equipment shall comply with allocated frequency bands given in the National Frequency Allocation Table (NFAT), UAE 21 and the TRA Regulations; Use of 2.4 GHz and 5.8 GHz bands for WLAN and RLAN.

The equipment shall meet the requirements of following standard(s):

EN 300 328 Electromagnetic compatibility and Radio spectrum Matters (ERM) .-  
Wideband transmission systems - Data transmission equipment operating in

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the 2,4 GHz ISM band and using wide band modulation techniques - Harmonized EN covering essential requirements under Article 3(2) of the R&TTE directive.

EN 301 893 Broadband Radio Access Networks (BRAN); 5 GHz High Performance RLAN; Harmonised EN covering essential requirements of article 3.2 of the R&TTE directive.

### 3.2 Electromagnetic compatibility

The equipment shall meet the requirements of following standard(s):

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.

EN 301 489-17 Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems.

### 3.3 Health and safety

The equipment shall meet the requirements of Technical specification TS HS 001.

### 3.4 Additional essential requirements

No additional requirements.

### 3.5 Validity of standards

If no issue or revision number is quoted along with the title of a standard, the valid edition should be used. The valid of the standard can be checked on:

- For EN standards:

[http://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/rtte/index\\_en.htm](http://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/rtte/index_en.htm);