

# Technical Specification for UMTS Handsets and Related Equipment

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## Scope

This specification applies to all UMTS handsets and related 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
UMTS Handsets and Related Equipment	Original V1.1	11/12/2015

## **Spectrum Allocation**

The following frequency bands have been allocated for use by UMTS handsets and related equipment in Botswana: 1900 – 1920 MHz, 1920 – 1980 MHz and 2010 – 2025 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 301 489-24 v1.5.1

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 24: Specific conditions for IMT-2000 CDMA Direct Spread (UTRA) for Mobile and portable (UE) radio and ancillaryequipment

### ETSI EN 301 908-1 V7.1.1

IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive; Part 1: Introduction and common requirements

#### ETSI EN 301 908-2 V6.2.1

IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive; Part 2: CDMA Direct Spread (UTRA FDD) User Equipment (UE)

### ETSI EN 301 908-6 V5.2.1

IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive; Part 6: CDMA TDD (UTRA TDD) User Equipment (UE)

**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 UMTS handsets and related equipment at this time.

## **Obtaining Technical Standards**

ETSI technical standards may be obtained free of charge for individual use from the ETSI web site. <u>www.etsi.org</u>

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