

**PERFORMANCE SPECIFICATION FOR  
USER EQUIPMENT FOR USE IN  
PUBLIC MOBILE COMMUNICATIONS  
SERVICES BASED ON EVOLVED UNIVERSAL  
TERRESTRIAL RADIO ACCESS (E-UTRA)  
FREQUENCY DIVISION DUPLEX (FDD)**



## FOREWORD

1. This specification is prescribed under section 32D of the Telecommunications Ordinance (Cap 106) (“the Ordinance”) to set out the technical and evaluation requirements for user equipment for use in Public Mobile Communications Services employing Evolved Universal Terrestrial Radio Access (E-UTRA) Frequency Division Duplex (FDD).
2. Under section 39 of the Ordinance, a person is exempted from the obligation to hold a licence under the Ordinance so long as the conditions set out in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order (“the Order”) are satisfied. Radiocommunications apparatus falling into the scope of this specification, unless covered by other specification with more specific scope, shall meet the requirements stipulated to fulfil the conditions of the Order.
3. At present, the Office of the Communications Authority (OFCA) operates a **Hong Kong Telecommunications Equipment Evaluation and Certification (HKTEC) Scheme**. Details of the HKTEC Scheme can be found in the information note OFCA I 421. Under the Scheme, suppliers or manufacturers of the radiocommunications apparatus may apply for certification of their apparatus against this specification. The application procedures for certification of radiocommunications apparatus can be found in the information note OFCA I 401. A label prescribed by the Communications Authority (CA) may be affixed to the certified equipment. Details of the labelling arrangement can be found in the Standardisation Guide HKTA 3211.
4. The CA may amend any part of this specification as and when it deems necessary.
5. In case of doubt about the interpretation of this specification, the methods of carrying out the test and the validity of statements made by the manufacturers of the equipment, the decision of the CA shall be final.
6. The HKCA specifications and information notes are issued by the CA can be downloaded from OFCA’s website at <http://www.ofca.gov.hk>. Enquiries about this specification can be directed to -

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Standards Section  
Office of the Telecommunications Authority  
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## AMENDMENT TABLE

Item	Issue No.	Paragraph	Description
1.	Issue 1 May 2011	All	First Release
2.	Issue 2 July 2023	Foreword	Editorial changes
3.	Issue 2 July 2023	3	Addition of the paired band 703 – 738 MHz / 758 – 793 MHz
4.	Issue 2 July 2023	4, 6	Updating the titles of standards under reference

## **CONTENT**

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## 1. SCOPE

This specification sets out the performance and evaluation requirements for User Equipment (hereafter referred to as “the equipment”) for use in the Public Mobile Communications Services employing Evolved Universal Terrestrial Radio Access (E-UTRA) Frequency Division Duplex (FDD).

## 2. SAFETY REQUIREMENTS

The equipment shall comply with HKCA 2001 “Compliance Test Specification - Safety and Electrical Protection Requirements for Subscriber Telecommunications Equipment” issued by the CA.

## 3. OPERATING FREQUENCIES

The frequency bands for the equipment are as follows -

	<b>Downlink (Mobile Receive)</b>	<b>Uplink (Mobile Transmit)</b>
<b>Paired Band</b>	758 - 793 MHz	703 - 738 MHz
	925 - 960 MHz	880 - 915 MHz
	1805 - 1880 MHz	1710 - 1785 MHz
	2110 - 2170 MHz	1920 - 1980 MHz
	2620 - 2690 MHz	2500 - 2570 MHz

## 4. TECHNICAL REQUIREMENTS

The equipment shall meet the technical requirements as specified in the following standards published by the European Telecommunications Standards Institute (ETSI) -

- (a) EN 301 908-1 IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Introduction and common requirements

- (b) EN 301 908-13 IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)

## **5. EVALUATION REQUIREMENTS**

The equipment shall comply with the safety requirements, operating frequencies and technical requirements as specified in clauses 2, 3 and 4 respectively. Compliance of the equipment with the technical requirements shall be evaluated in accordance with the procedures specified in the respective ETSI standards as given in clause 4.

## **6. REFERENCE**

- (a) HKCA 2001 Compliance Test Specification - Safety And Electrical Protection Requirements For Subscriber Telecommunications Equipment, issued by the CA
- (b) EN 301 908-1 IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Introduction and common requirements, published by the ETSI
- (c) EN 301 908-13 IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE), published by the ETSI

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