

HKCA 1072
ISSUE 1
JANUARY 2015

**PERFORMANCE SPECIFICATION
FOR BASE STATION FOR
USE IN EVOLVED UNIVERSAL
TERRESTRIAL RADIO ACCESS (E-UTRA)
TIME DIVISION DUPLEX (TDD) NETWORK**



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 Base Station for use in Evolved Universal Terrestrial Radio Access (E-UTRA) Time Division Duplex (TDD) Network. It is a condition of the licence for the broadband wireless access services that radio apparatus falling into the scope of this specification shall meet the stipulated requirements.
2. Under the Ordinance, the possession or use of any radiocommunications apparatus or any apparatus emitting radio frequency energy must be covered by an appropriate licence issued by the Communications Authority (CA) with the exception of those specifically exempted from licensing under the Ordinance, such as those covered by the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) 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 shall 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.
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 equipment manufacturers or suppliers about the equipment, the decision of the CA shall be final.
6. The HKCA specifications and information notes issued by the CA can be obtained from OFCA’s website at <http://www.ofca.gov.hk>. Enquiries about this specification can be directed to -

Senior Telecommunications Engineer
Standards Section
Office of the Communications Authority
29/F Wu Chung House
213 Queen’s Road East
Wanchai
Hong Kong

Fax: +852 2838 5004

Email: standards@ofca.gov.hk

AMENDMENT TABLE

Item	Issue No.	Paragraph	Description
1.	Issue 1 January 2015	All	First Release

CONTENT

- 1. SCOPE**
- 2. OPERATING FREQUENCIES**
- 3. TECHNICAL REQUIREMENTS**
- 4. EVALUATION REQUIREMENTS**
- 5. REFERENCE**

1. SCOPE

This specification sets out the performance and evaluation requirements for Base Station (hereafter referred to as “the equipment”) for use in Evolved Universal Terrestrial Radio Access (E-UTRA) Time Division Duplex (TDD) Network.

2. OPERATING FREQUENCIES

The equipment shall operate in the frequency range 2300 – 2390 MHz.

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

- (b) EN 301 908-14 IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive; Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Station (BS)

4. EVALUATION REQUIREMENTS

The equipment shall comply with the operating frequencies and technical requirements as specified in clauses 2 and 3 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 3.

5. REFERENCE

- (a) EN 301 908-1 - IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive; Part 1: Introduction and common requirements, published by the ETSI
- (b) EN 301 908-14 - IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive; Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Station (BS), published by the ETSI

- END -