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**PERFORMANCE SPECIFICATION
FOR USER EQUIPMENT FOR USE IN THE
THIRD GENERATION (3G) MOBILE
COMMUNICATIONS SERVICES EMPLOYING
CDMA DIRECT SPREAD (UTRA FDD)**



**TELECOMMUNICATIONS AUTHORITY
HONG KONG**

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 the Third Generation (3G) Mobile Communications Service employing CDMA Direct Spread (UTRA 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 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 Telecommunications Authority (OFTA) operates a **Hong Kong Telecommunications Equipment Evaluation and Certification (HKTEC) Scheme**. Details of the HKTEC Scheme can be found in the information note OFTA 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 OFTA I 401. A prescribed label may be affixed to the equipment which has been certified. Details of the labelling arrangement can be found in the Standardisation Guide HKTA 3211.
4. The Telecommunications Authority (TA) reserves the right to give separate type-approval to models he considers to be technical variants and the performance of which may differ between models.
5. The TA may amend any part of this specification as and when he deems necessary.
6. 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 TA shall be final.
7. The HKTA specifications and information notes are issued by the TA. The documents can be obtained through one of the following methods :-
 - downloading direct through the OFTA’s Internet Home Page. The Home Page address is <http://www.ofta.gov.hk>;
 - making a request for hard copies to :-

Radio Laboratory,
Standards Section,
Office of the Telecommunications Authority,
29/F Wu Chung House,
213 Queen’s Road East,
Wanchai,
Hong Kong.

Fax: +852 2343 5824
Email: certification@ofta.gov.hk

8. Enquiries about this specification may be directed to :-

Radio Laboratory,
Standards Section,
Office of the Telecommunications Authority,
29/F Wu Chung House,
213 Queen's Road East,
Wanchai,
Hong Kong.

Fax : +852 2343 5824
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AMENDMENT TABLE

Item	Issue No.	Paragraph	Description
1.	Issue 1 June 2003	All	First Release
2.	Issue 2 June 2008	Clause 3	Additional operating frequency bands at 900 MHz and 1800 MHz are added.

CONTENTS

- 1. Scope of specification**
- 2. Electrical safety**
- 3. Operating frequencies**
- 4. Performance requirements**
- 5. Evaluation requirements**

1. SCOPE OF SPECIFICATION

This specification sets out the technical and evaluation requirements for user equipment (hereafter referred to as “the equipment”) for use in the 3G Mobile Communications Services employing CDMA Direct Spread (UTRA FDD).

2. ELECTRICAL SAFETY

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

3. OPERATING FREQUENCIES

The frequency bands for the equipment are as follows:-

	Lower Block (Mobile Transmit)	Upper Block (Mobile Receive)
Paired Band	1920 MHz - 1980 MHz	2110 MHz - 2170 MHz
	880 MHz - 915 MHz	925 MHz - 960 MHz
	1710 MHz - 1785 MHz	1805 MHz - 1880 MHz

4. PERFORMANCE REQUIREMENTS

The equipment shall comply with the electrical safety requirement in clause 2 and operate on all or any of the frequencies in clause 3, and meet the technical requirements as defined in the following standards in clause 5.

5. EVALUATION REQUIREMENTS

The equipment shall have been certified or successfully tested to demonstrate compliance with the following standards published by the European Telecommunications Standards Institute (ETSI) :

EN 301 908-1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS) and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 1: Harmonized EN for IMT-2000, introduction and

common requirements, covering essential requirements of article 3.2 of the R&TTE Directive; and

EN 301 908-2 Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS) and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 2: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD) (UE) covering essential requirements of article 3.2 of the R&TTE Directive

The certification or test report shall be issued by a body :

- (i) subject to the conformity assessment procedures described in Annex 4 or Annex 5 of Radio Equipment and Telecommunications Terminal Equipment Directive (1999/5/EC); or
- (ii) recognised under the HKTEC Scheme.

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