

[ DRAFT ]

**PERFORMANCE SPECIFICATION  
FOR ON-SITE RADIO PAGING EQUIPMENT**



## FOREWORD

1. This specification is prescribed under section 32D of the Telecommunications Ordinance (Cap 106) (“the Ordinance”) to set out the minimum performance requirements for transmitters and receivers for use in the on-site paging service. Radiocommunications apparatus falling into the scope of this specification, unless covered by other specification with more specific scope, 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 of the radiocommunications apparatus 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 downloaded from OFCA’s website at <http://www.ofca.gov.hk>. Enquiries about this specification may be directed to –

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Standards Section  
Office of the Communications Authority  
29/F Wu Chung House,  
213 Queen’s Road East,  
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## AMENDMENT TABLE

Item	Issue No.	Paragraph	Description
1.	Issue 1 [ Date ]	All	First Release

## **CONTENT**

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## **1. GENERAL**

### **1.1 SCOPE**

This specification sets out the minimum performance requirements for transmitters and receivers (hereafter referred to as “the equipment”) for use in on-site radio paging systems.

### **1.2 OPERATING FREQUENCY RANGES**

The equipment shall operate in one of the following frequency bands: 32.5 – 33 MHz or 458.85 - 459 MHz. Equipment with a channel spacing of 12.5 kHz or 25 kHz may be submitted for certification.

### **1.3 TRANSMITTER RF POWER**

The maximum output power of paging transmitter shall be as follows:

<b>Frequency Range</b>	<b>Output Power</b>
32.5 - 33 MHz	5 watts
458.85 - 459 MHz	2 watts

## **2. TECHNICAL REQUIREMENTS**

The equipment shall meet the technical requirements as stipulated in the ETSI EN 300 224-2 V1.1.1 (2001-01) Electromagnetic compatibility and Radio spectrum Matters (ERM); On-site paging service; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive or the later versions published by the European Telecommunications Standards Institute (ETSI).

## **3. EVALUATION REQUIREMENTS**

The equipment shall comply with the operating frequencies and technical requirements prescribed in paragraphs 1.2, 1.3 and 2 respectively. The equipment shall be evaluated in accordance with the technical requirements as specified in ETSI EN 300 224-2 V1.1.1 (2001-01) “Electromagnetic compatibility and Radio spectrum Matters (ERM); On-site paging service; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive” or the later versions published by the ETSI.

#### **4. REFERENCE**

ETSI EN 300 224-2 V1.1.1 (2001-01) Electromagnetic compatibility and Radio spectrum Matters (ERM); On-site paging service; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive” or the latest version published by the ETSI.

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