

D R A F T

HKCA 1075
ISSUE 1
[Date]

**PERFORMANCE SPECIFICATION FOR
SHORT-RANGE RADAR EQUIPMENT
OPERATING IN THE 79 GHz BAND**



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 short-range radar equipment operating in the frequency range 77 – 81 GHz (“the 79 GHz band”). Radiocommunications 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 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 prescribed label may be affixed to the equipment which has been certified. Details of the labelling arrangement can be found in the Standardisation Guide HKCA 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 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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1. SCOPE OF SPECIFICATION

This specification sets out the minimum performance requirements for short-range radar equipment operating in the 77 – 81 GHz band (“the 79 GHz band”) (hereafter referred as “the equipment”).

2. TECHNICAL REQUIREMENTS

2.1 The equipment shall meet the following technical requirements:

- (i) Frequency band : 77 – 81 GHz
- (ii) Maximum radiated peak power (e.i.r.p.): 55 dBm

2.2 The equipment shall meet the technical requirements in accordance with ETSI EN 302 264-2 “Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices; Road Transport and Traffic Telematics (RTTT); Short Range Radar equipment operating in the 77 GHz to 81 GHz band; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive” published by the European Telecommunications Standards Institute.

3. EVALUATION REQUIREMENTS

Compliance of the equipment with the technical requirements shall be evaluated in accordance with the procedures specified in the standard given in clause 2.2 above.

4. REFERENCE

ETSI EN 302 264-2 “Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices; Road Transport and Traffic Telematics (RTTT); Short Range Radar equipment operating in the 77 GHz to 81 GHz band; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive”

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