

HKCA 1074
ISSUE 1
JANUARY 2017

**PERFORMANCE SPECIFICATION FOR
RADIOCOMMUNICATIONS APPARATUS
OPERATING IN THE 60 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 radiocommunications apparatus operating in the frequency range 57 – 66 GHz (“the 60 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 radio communications 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 radio communications apparatus may apply for certification of their apparatus against this specification. The application procedures for certification of radio communications apparatus can be found in the information note OFCA I 401. A prescribed label may be affixed to the certified equipment. 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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AMENDMENT HISTORY

Item	Issue No.	Paragraph	Descriptions
1.	Issue 1 January 2017	All	First release

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1. SCOPE OF SPECIFICATION

This specification sets out the minimum performance requirements for radiocommunications apparatus operating in the 57 – 66 GHz band (“the 60 GHz band”) (hereafter referred to as “the equipment”).

2. ELECTRICAL SAFETY REQUIREMENTS

If the equipment is for connection to the public telecommunications networks, it shall comply with the electrical safety requirements set out in HKCA 2001 “Compliance Test Specification - Safety and Electrical Protection Requirements for Subscriber Telecommunications Equipment” issued by the Communications Authority (CA).

3. TECHNICAL REQUIREMENTS

3.1 The equipment shall operate in the 57 – 66 GHz frequency range.

3.2 The equipment shall meet the technical requirements and power levels in accordance with one of the following standards:

- (i) ETSI EN 302 567 “Broadband Radio Access Networks (BRAN); 60 GHz Multiple-Gigabit WAS/RLAN Systems; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive” and the maximum e.i.r.p. is 40 dBm;
- (ii) ETSI EN 305 550-2 “Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 40 GHz to 246 GHz frequency range; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive” and the maximum e.i.r.p. is 20 dBm; and
- (iii) Code of Federal Regulations (USA); Title 47 Telecommunication; Chapter 1 Federal Communications Commission, Part 15 Radio Frequency Devices; Section 15.255 and the maximum e.i.r.p. is 40 dBm.

4. 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 3.2 (i) or (ii) or (iii) above.

5. REFERENCE

- (i) ETSI EN 302 567 “Broadband Radio Access Networks (BRAN); 60 GHz Multiple-Gigabit WAS/RLAN Systems; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive”

- (ii) ETSI EN 305 550-2 “Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 40 GHz to 246 GHz frequency range; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive”
- (iii) Code of Federal Regulations (USA); Title 47 Telecommunication; Chapter 1 Federal Communications Commission, Part 15 Radio Frequency Devices; Section 15.255

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