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PERFORMANCE SPECIFICATION

FOR RADIOCOMMUNICATIONS APPARATUS

OPERATING IN THE 6 GHz BAND FOR

WIRELESS LOCAL AREA 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 radiocommunications apparatus operating in the 6 GHz band for wireless local area network. 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 (Cap 106Z).

3. At present, the Office of the Communications Authority (OFCA) operates a **H**ong **K**ong **T**elecommunications Equipment **E**valuation and **C**ertification (HKTEC) Scheme. Details of the HKTEC Scheme can be found in the information note OFCA I 421. Suppliers or manufacturers of the radiocommunications apparatus shall apply for certification of their apparatus against this specification in accordance with the HKTEC Scheme. The application procedures for certification of radiocommunications apparatus can be found in the information note OFCA I 401. A prescribed label shall/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 April 2022	All	First release

CONTENTS

1. SCOPE OF SPECIFICATION

This specification defines the minimum performance requirements for radiocommunications apparatus operating in the 6 GHz band for wireless local area network (hereafter referred to as the "apparatus").

2. ELECTRICAL SAFETY REQUIREMENTS

The apparatus 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.

3. TECHNICAL REQUIREMENTS

3.1 The apparatus shall operate in the 5.925 – 6.425 GHz frequency range.

3.2 The maximum output power of the apparatus shall not exceed the limits indicated below:

Location of Use	Output Power (EIRP)
Indoor	24 dBm
Outdoor	14 dBm

3.3 The apparatus shall meet the technical requirements specified in the standard EN 303 687 "6 GHz WAS/RLAN; Harmonised Standard for access to radio spectrum"[1] published by the European Telecommunications Standards Institute ("ETSI").

4. EVALUATION REQUIREMENTS

Compliance of the apparatus with the technical requirements shall be evaluated in accordance with the procedures specified in the standard given in clause 3.3 above.

5. REFERENCE

ETSI EN 303 687 "6 GHz WAS/RLAN; Harmonised Standard for access to radio spectrum"

- END -

[1] According to the power level specified in 3.2 above, the RF output power limit of 23 dBm EIRP and the power spectral density limit of 10 dBm/MHz EIRP as specified in clauses 4.3.2 and 4.3.3 of EN 303 687 are allowed to be increased by 1 dB to 24 dBm EIRP and 11 dBm/MHz EIRP respectively.