

RADIO SPECTRUM AND TECHNICAL STANDARDS ADVISORY COMMITTEE

**Proposed Performance Specification for
Radiocommunications Apparatus
Operating in the 60 GHz Band**

Purpose

This paper proposes the adoption of the following new HKCA specification:

HKCA 1074 Issue 1	Performance Specification for Radiocommunications Apparatus Operating in the 60 GHz Band
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Background

2. At the 10th SSAC meeting held on 15 October 2015, [SSAC Paper 6/2015](#) discussed the proposed allocation of the 57 – 66 GHz band (“the 60 GHz band”) to the mobile and the fixed service on a primary basis. Recent development indicates that radiocommunications apparatus operating in the 60 GHz band, which include embedded modules in notebook computers/smartphones, Wi-Fi routers, high definition video links and other mobile consumer products, would gradually be introduced to the market. In light of the market development, the Office of the Communications Authority considers it timely to prepare a HKCA specification to facilitate the use of such equipment in Hong Kong.

Proposed HKCA 1074 Specification

3. The European Telecommunications Standards Institute (“ETSI”) and the Federal Communications Commission (“FCC”) of United States have published respective standards to cover radiocommunications apparatus

operating in the 60 GHz band. Having considered the technical requirements and test procedures, it is recommended that the following standards be adopted in the proposed HKCA 1074 specification:

- (a) 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”;
- (b) 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
- (c) Code of Federal Regulations (USA); Title 47 Telecommunication; Chapter 1 Federal Communications Commission, Part 15 Radio Frequency Devices; Section 15.255.

Copy of the draft HKCA 1074 specification is given in Annex.

Certification Requirement

4. In line with the arrangement of other short-range devices, it is proposed that radiocommunications apparatus operating in the 60 GHz band be classified under the Voluntary Certification Scheme of the Hong Kong Telecommunications Equipment Evaluation and Certification Scheme. Suppliers, manufacturers and dealers shall ensure that their equipment comply with HKCA 1074 specification irrespective of whether they would apply for the voluntary certification.

WTO Notification

5. As the proposed HKCA 1074 is based on open standards,

notification to the World Trade Organisation (“WTO”) is not required.

Recommendation

6. It is recommended that the proposed HKCA 1074 as given in Annex be submitted to the Communications Authority for adoption.

Advice Sought

7. Members are invited to give their comments on the recommendation above.

Office of the Communications Authority
June 2016