

**RADIO SPECTRUM AND TECHNICAL STANDARDS ADVISORY COMMITTEE**

**Proposed Performance Specification for  
Short-Range Radar Equipment  
Operating in the 79 GHz Band**

**Purpose**

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

HKCA 1075 Issue 1	Performance Specification for Short-Range Radar Equipment Operating in the 79 GHz Band
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**Background**

2. At the 11<sup>th</sup> SSAC Meeting held on 18 February 2016, [SSAC Paper 1/2016](#) was introduced to report decisions of the World Radiocommunication Conference 2015 (WRC-15). Among other WRC-15 decisions, the band 77 – 81 GHz (“the 79 GHz band”) will be available after 1 January 2017 for use by short-range radars including automotive radars. The Office of the Communications Authority considers it timely to develop a HKCA specification to facilitate the use of short-range radar equipment operating in the 79 GHz band.

**Proposed HKCA 1075 Specification**

3. The European Telecommunications Standards Institute (“ETSI”) has published the harmonized standard EN 302 264-2<sup>1</sup> for short-range radars

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<sup>1</sup> ETSI EN 304 264-2 : 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

operating in the 79 GHz frequency band. Having considered the technical requirements and test procedures in the ETSI standard, it is recommended that EN 302 264-2 be adopted in the proposed HKCA 1075 specification for certification of short-range radar equipment operating in the 79 GHz band. Copy of the draft HKCA 1075 specification is given in Annex.

### **Certification Requirement**

4. In line with other short-range radars operating in the 76 – 77 GHz band, it is proposed that short-range radar equipment operating in the 79 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 radar equipment comply with HKCA 1075 specification irrespective of whether they would apply for the voluntary certification.

### **WTO Notification**

5. As the proposed HKCA 1075 is based on open standard, notification to the World Trade Organisation (“WTO”) is not required.

### **Recommendation**

6. It is recommended that the proposed HKCA 1075 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**  
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