

**TELECOMMUNICATIONS ORDINANCE
(Chapter 106)**

CLASS LICENCE

79 GHz AUTOMOTIVE RADAR

The Communications Authority, in exercise of the powers conferred on it by sections 7(5) and 7B(2) of the Telecommunications Ordinance (Chapter 106), issues this Licence on this 6th day of January, 2017.

1. Interpretation

1.1 In this Licence –

“79 GHz Radar” means a radio station as described in the Schedule to this Licence;

“Authority” means the Communications Authority established by section 3 of the Communications Authority Ordinance (Chapter 616);

“Licensee” means a person licensed under Condition 2 of this Licence;

“Ordinance” means the Telecommunications Ordinance (Chapter 106);
and

“Telecommunication Convention” means any Constitution and Convention of the International Telecommunication Union and the Radio Regulations annexed thereto, which have from time to time or at any time been acceded to by or applied to Hong Kong.

1.2 Any word or expression used in this Licence shall, unless otherwise provided, have the same meaning as it has in the Ordinance or regulations made under the Ordinance.

1.3 For the purposes of interpreting this Licence, headings and titles shall be disregarded.

2. Grant of Licence

- 2.1 Subject to the terms and conditions of this Licence, a person is licensed to establish, maintain, possess, use, deal in the course of trade or business in and demonstrate, with a view to sale in the course of trade or business, the 79 GHz Radar.

3. General

- 3.1 This Licence shall not be construed as granting an exclusive right to the Licensee.
- 3.2 This Licence replaces any licence or any exemption from licensing for the establishment, maintenance, possession and use of, dealing in the course of trade or business in and demonstration, with a view to sale in the course of trade or business, of the 79 GHz Radar, however described, which the Authority may have granted to the Licensee.
- 3.3 This Licence shall remain in full force unless expressly revoked by the Authority.

4. Compliance Generally

- 4.1 The Licensee shall comply with the Ordinance, regulations made under the Ordinance, licence conditions or any other instruments which may be issued by the Authority under the Ordinance and such guidelines or codes of practices which may be issued by the Authority as in its opinion are suitable for the purpose of providing practical guidance on any particular aspect of any conditions of this Licence.
- 4.2 The Licensee shall observe and comply with all provisions of the Telecommunication Convention relevant to the 79 GHz Radar.
- 4.3 The Licensee shall not use the 79 GHz Radar to provide a public telecommunications service, except under and in accordance with an appropriate licence granted by the Authority.
- 4.4 Nothing contained in this Licence relieves the Licensee from its obligation to comply with any requirements, as applicable, from the Transport Department for the installation of the 79 GHz Radar on board a vehicle and the use of the 79 GHz Radar in association with any

component parts of a vehicle.

5. Interference

- 5.1 Where the Licensee establishes, operates, maintains or uses the 79 GHz Radar, the Licensee shall take reasonable measures to do so in such a way as not to cause any direct or indirect harmful interference with any lawful telecommunications service or any telecommunications apparatus licensed or authorised under the Ordinance. Where the Licensee deals in or possesses any 79 GHz Radar, the Licensee shall ensure compliance with Condition 6.
- 5.2 The Authority may give such reasonable directions as it thinks fit to avoid any direct or indirect harmful interference referred to in Condition 5.1. The Licensee shall comply with the directions.
- 5.3 The Licensee shall make the 79 GHz Radar available for inspection and testing, if so required, by any person authorised for the purpose by the Authority.
- 5.4 The Licensee should be aware that the frequencies allocated to the 79 GHz Radar are shared with other applications in an uncoordinated manner and not protected from harmful interference caused by other telecommunications installations or radio equipment operating in accordance with the provisions of the Ordinance, or regulations or orders made under the Ordinance.

6. Technical Criteria

- 6.1 The Licensee shall ensure that at all times they establish, maintain, operate, use, deal in the course of trade or business in, and demonstrate, with a view to sale in the course of trade or business, the 79 GHz Radar which fully complies with the technical criteria specified in the Schedule.

SCHEDULE

79 GHz Radar

A 79 GHz Radar under this Licence refers to a radio station of the radiolocation service and intended to be used as automotive radar. The 79 GHz Radar shall comply with the technical criteria below and the technical specification HKCA 1075 issued by the Authority pursuant to section 32D of the Ordinance.

Technical Criteria

Frequency band: 77 – 81 GHz

Maximum peak power: 55 dBm Equivalent Isotropically Radiated Power