

**CONFORMANCE SPECIFICATION
FOR INDUSTRIAL, SCIENTIFIC AND MEDICAL
(ISM) EQUIPMENT**

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 industrial, scientific and medical (ISM) apparatus. ISM 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 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 HKTEC Scheme, suppliers or manufacturers shall apply for certification of their apparatus against this specification. The application procedures for certification of radiocommunications apparatus can be found in the information note OFCA I 401.
4. 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 manufacturers or suppliers about the apparatus, the decision of CA shall be final.
6. The HKCA specifications and information notes issued by CA can be downloaded from OFCA’s website at <https://www.ofca.gov.hk>. Enquiries about this specification may be directed to -

Senior Telecommunications Engineer
Standards Section
Office of the Communications Authority
29/F Wu Chung House
213 Queen’s Road East
Wanchai
Hong Kong

Fax: +852 2838 5004
Email: standards@ofca.gov.hk

AMENDMENT TABLE

Item	Issue No.	Clause	Description
1.	Issue 2 March 1996	5.5 b	The title of the table in Clause 5.5 - Minimum Standard (b) was changed as follows :- "In the frequency range of 30 MHz to 1000 MHz at a distance of 30 m."
2.	Issue 3 July 1998	whole doc.	The operating frequencies for ISM use was updated. The technical requirements were specified by making reference to the latest edition of CISPR 11.
3.	Issue 4 February 2003	Foreword	Add information of HKTEC Scheme and other editorial changes.
4.	Issue 5 March 2012	1	Amend scope of specification to be in line with that of CISPR 11.
5.	Issue 5 March 2012	3	Update title of CISPR 11.
6.	Issue 6 August 2026	Title, Foreword, 1 2, 3 4	Updated with editorial changes. Aligned the scope with the ISMEM licence. Moved evaluation requirements from Clause 2 to Clause 3. Added Clause 4 on reference.

CONTENT

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1. SCOPE

This specification sets out the technical and evaluation requirements for industrial, scientific and medical (ISM) equipment that intentionally generates and emits radio waves for industrial, scientific and medical purposes only (hereafter referred to as “the equipment”).

The equipment may operate within the following frequency ranges designated for ISM use in Hong Kong –

Frequency Range (MHz)		
6.765	–	6.795
13.553	–	13.567
26.957	–	27.283
40.66	–	40.70
2,400	–	2,483.5
5,725	–	5,875
24,000	–	24,250
61,000	–	61,500
122,000	–	123,000
244,000	–	246,000

2. TECHNICAL REQUIREMENTS

The equipment shall comply with the technical requirements specified in the standard published by the International Special Committee on Radio Interference (CISPR) of the International Electrotechnical Commission (IEC) below –

CISPR 11 “Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement”

3. 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 2.

4. REFERENCE

CISPR 11 “Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement”

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