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**PERFORMANCE SPECIFICATION FOR THE
LIMITS AND METHODS OF MEASUREMENT OF
ELECTROMAGNETIC DISTURBANCE
CHARACTERISTICS OF INDUSTRIAL, SCIENTIFIC
AND MEDICAL (ISM) RADIO-FREQUENCY
EQUIPMENT**



**Telecommunications Authority
Hong Kong**

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) equipment. 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 Telecommunications Authority (TA) 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.
3. At present, the Office of the Telecommunications Authority (OFTA) operates a **Hong Kong Telecommunications Equipment Evaluation and Certification (HKTEC) Scheme**. Details of the HKTEC Scheme can be found in the information note OFTA I 421. Under the Scheme, suppliers or manufacturers of the radiocommunications apparatus 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 OFTA I 401.
4. The TA may amend any part of this specification as and when he 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 TA shall be final.
6. The HKTA specifications and information notes issued by the TA can be downloaded from OFTA’s website at <http://www.ofta.gov.hk>. Enquiries about this specification may be directed to:

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AMENDMENT HISTORY

Item	Issue No.	Paragraph	Descriptions
1.	Issue 2 March 1996	5.5 b	The title of the table in Paragraph 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.

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1. SCOPE OF SPECIFICATION

This specification covers the minimum performance requirements for industrial, scientific and medical (ISM) radio-frequency equipment and domestic and similar appliances designed to generate and/or use locally radio-frequency energy.

2. OPERATING FREQUENCIES

The equipment shall operate within the following frequency ranges:-

Frequency Range (MHz)		
6 .765	-	6 .795
13 .553	-	13 .567
26 .957	-	27 .283
40 .66	-	40 .70
2400	-	2483 .5
5725	-	5875
24000	-	24250
61000	-	61500
122000	-	123000
244000	-	246000

3. TECHNICAL REQUIREMENTS

The limits and methods of measurement of the electromagnetic disturbance characteristics of the equipment shall comply with the latest edition of:-

- CISPR 11 “Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement” published by the International Special Committee on Radio Interference (CISPR) of the International Electrotechnical Commission (IEC).

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