

[D R A F T]

**PERFORMANCE SPECIFICATION FOR
RADIO TRANSMITTING EQUIPMENT
OPERATING IN THE FREQUENCY BAND
678 - 686 MHz FOR THE PROVISION OF
BROADCAST-TYPE MOBILE TELEVISION
SERVICES EMPLOYING DVB-T2 STANDARD**



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 radio transmitting equipment operating in the frequency band 678 – 686 MHz for the provision of broadcast-type mobile television services based on the T2 Lite profile under the Digital Video Broadcasting – Terrestrial 2 (version 1.3.1 or a later version) standard (“DVB-T2 Standard”).
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.
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 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. The CA may amend any part of this specification as and when 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 CA shall be final.
6. The HKCA specifications and information notes issued by the CA can be obtained from OFCA’s website at <http://www.ofca.gov.hk>. Enquiries about this specification can be directed to -

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1.	Issue 1 XXXXXX 2017	All	First Release

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1. SCOPE OF SPECIFICATION

This specification sets out the minimum performance requirements on electromagnetic compatibility for radio transmitting equipment operating in the frequency range 678 – 686 MHz for provision of broadcast-type mobile television services employing the DVB-T2 Standard (hereafter referred to as “the equipment”).

2. OPERATING FREQUENCIES

The equipment shall operate in the frequency range 678 – 686 MHz.

3. TECHNICAL REQUIREMENTS

The equipment shall meet the technical requirements as specified in the following standard:

EN 302 296-2	Electromagnetic compatibility and Radio spectrum Matters (ERM); Transmitting equipment for the digital television broadcast service, Terrestrial (DVB-T); Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive published by the European Telecommunications Standards Institute (ETSI)
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4. EVALUATION REQUIREMENTS

The equipment shall comply with the operating frequencies and technical requirements as specified in clauses 2 and 3. Compliance with the technical requirements shall be evaluated in accordance with the procedures specified in the ETSI standard as given in clause 3.

5. REFERENCE

ETSI EN 302 296-2 “Electromagnetic compatibility and radio spectrum matters (ERM); Transmitting equipment for the digital television broadcast service, Terrestrial (DVB-T); Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive”

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