

申請業餘電台牌照指引

根據《電訊條例》(第106章)(該條例)，擬管有、設置及維持(或使用)無線電通訊器具或電台的人士，必須先取得牌照。因此，擬維持及使用無線電通訊器具或電台提供業餘服務或衛星業餘服務的人士，必須先向電訊管理局局長(電訊局長)申請業餘電台牌照。

業餘電台牌照共分2類，即業餘電台牌照(業餘牌照)及業餘電台牌照「社團操作」(社團業餘牌照)。業餘牌照是發給個人管有、設置及維持一個業餘無線電台。社團業餘牌照是發給會社、社團、聯會、學校等(下稱社團)。此牌照容許會員或學生在香港操作該會的業餘無線電台。牌照的一般條件載於附件1的牌照樣本上。附表1訂明所獲指配的頻帶、發射類型和最高操作功率(請看附件2)，而該附表的註釋則載於附件3。

現遵照《電訊條例》第6D(2)(a)條發出這些指引，示明發牌準則及為處理業餘牌照及社團業餘牌照的申請所須呈交電訊局長的文件。

發牌準則

- (1) 獲發牌照的業餘電台只供業餘者(即純粹因個人目的而非金錢上的利益對無線電技術產生興趣的妥為授權人士)進行自我訓練、互相通訊和技術研究的用途。
- (2) 有關業餘牌照的申請，申請人須持有下列其中一種文件：
 - (a) 電訊局長發出的香港業餘無線電考試證書；
 - (b) 顯示申請人已在由獲電訊局長承認的本地機構所舉辦的業餘無線電考試中取得及格成績的證明文件；
 - (c) 業餘無線電考試(倫敦城市工聯會)證書，或
 - (d) 其他當局發出並獲電訊局長承認為等同香港的業餘牌照的業餘無線電台牌照。
- (3) 有關社團業餘牌照的申請，申請人須具備下列準則：
 - (a) 必須為在香港正式註冊的社團；及
 - (b) 社團業餘無線電台的監督人須持有有效的業餘牌照和業餘電台操作授權書(授權書)。授權書容許授權書持有人根據業餘牌照的條件操作業餘無線電器材。

須提交的文件和資料

- (1) 有關業餘牌照的申請，申請人須提交下列文件的影印本：
 - (a) 香港身份證或護照。
 - (b) 如申請人未滿18歲，需付上監護人的香港身份證或護照。
 - (c) 顯示申請人於電訊局長認可的機構所舉辦的業餘無線電考試中取得及格的證明文件。現時電訊局長認可香港專業教育學院(青衣分校)所發的業餘無線電證書。

- (d) 其他當局發出並獲電訊局長承認的同等業餘無線電台牌照。
 - (e) 顯示申請人已在莫爾斯電碼測驗中的明語部份，取得每分鐘12組字或5組字及格成績的證明文件影印本(如有)。現時電訊局長接受香港專業教育學院(青衣分校)所發的莫爾斯電碼測驗結果。
- (2) 有關社團業餘牌照的申請，申請人須提交下列文件的影印本：
- (a) 社團的正式註冊文件；
 - (b) 社團負責人的香港身份證或護照；
 - (c) 社團的業餘無線電台監督人的香港身份證或護照；及
 - (d) 社團的業餘無線電台監督人的授權書。

申請表

有關申請業餘牌照，請用表格“OFTA A201”。有關申請社團業餘牌照，請用表格“OFTA A202”。上述表格可從電訊局辦事處取得或可從電訊局網頁 <http://www.ofta.gov.hk/amateur/apply.htm> 下載。

申請牌照

申請人須把填妥的申請書連同所需文件郵遞或以專人送交以下地址。

香港灣仔
皇后大道東213號
胡忠大廈26樓
電訊管理局
條例執行組
發牌小組

申請亦可經由電訊局網頁 <http://www.ofta.gov.hk> 的網上牌照服務進行，該服務可循“服務概覽/業餘無線電服務/怎樣申請”找到。

牌照有效期及費用

有效期：1年
收費：150 元

查詢

如欲查詢發牌事宜，可：

- (1) 致電 2961 6772
- (2) 致函香港灣仔皇后大道東213號胡忠大廈26樓電訊管理局條例執行組發牌小組；
或
- (3) 電郵 ama_enq@ofta.gov.hk

牌照號碼：
Licence No.

電訊條例 (第106章)
TELECOMMUNICATIONS ORDINANCE (Chapter 106)
香港 HONG KONG
業餘電台牌照
AMATEUR STATION LICENCE

發出日期： DATE OF ISSUE :
級別： CLASS :
續期日期： RENEWABLE :
呼號： CALL SIGN :
發出費用： FEE ON ISSUE :

現根據本牌照所載的條件獲得發給牌照以—

(hereinafter referred to as "the Licensee") is hereby licensed, subject to the conditions herein contained -

- (甲) 管有、設置及維持一個用作無線電通訊的業餘發訊及收訊電台（以下稱為“該電台”）；
- (乙) 作為持牌人進行自我訓練的一部份，透過發送及接收下列訊息及訊號，使用該電台與其他業餘電台進行通訊—
- (i) 與持牌人或其通訊人直接有關的私人訊息；
 - (ii) 構成發送上述訊息的一部份或與之有關的訊號（並非密碼或暗碼）。
- (a) to possess, establish and maintain an amateur transmitting and receiving station for radiocommunications (hereinafter referred to as "the Station");
- (b) to use the Station, as a part of the self-training of the Licensee, to communicate with other amateur stations by transmitting and receiving -
- (i) messages about matters of a personal nature in which the Licensee, or the person with whom he is in communication, has been directly concerned;
 - (ii) signals (not being in secret code or cypher) which form part of, or relate to, the transmission of such messages.

一般條件
GENERAL CONDITIONS

使用的限制 Limitations of use

1. 該電台只可使用電訊管理局局長（以下稱為“局長”）在附表1所認許的發射類別、功率及頻帶。
The Licensee shall use only classes of emission, powers and frequency bands as authorized by the Telecommunications Authority (hereinafter referred to as "the Authority") in Schedule 1.
2. (甲) 持牌人可根據局長在附表2所指明，將該電台—
 - (i) 長久或臨時設置於一個固定地點；
 - (ii) 設於香港境內的車輛上；
 - (iii) 設於在香港註冊或領牌的船隻或水上航行器上；或
 - (iv) 以手提方式設於香港境內。
 (乙) 持牌人不得將該電台設於飛機或其他航空器上。
 (丙) 持牌人在未徵得局長同意前，不得更改附表2所指明的電台地點。
 (丁) 附表1及附表1備註內所列的細節如有任何更改，持牌人須在該細節更改後72小時內，用局長指定的表格，以書面通知局長。
 (戊) 持牌人須在符合局長在附表1及附表1備註內所訂的限制下，設立該電台。
 (a) The Licensee may establish the Station, as specified by the Authority in Schedule 2 -
 - (i) at a fixed location on a permanent or temporary basis;
 - (ii) on a vehicle within the territory of Hong Kong;
 - (iii) on a vessel or watercraft registered or licensed in Hong Kong; or
 - (iv) as a portable station within the territory of Hong Kong.
 (b) The Licensee shall not establish the Station aboard an aircraft or other airborne vehicle.
 (c) The Licensee shall not change the location of the Station as specified in Schedule 2 without the prior consent of the Authority.
 (d) The Licensee shall notify the Authority in writing, in such form as the Authority may specify, of any change in the particulars set forth in Schedule 1 and Notes to the Schedule 1 within 72 hours of such change.
 (e) The Licensee shall establish the Station subject to restrictions as stipulated by the Authority in Schedule 1 and Notes to the Schedule 1.
3. (甲) 在香港以外的國家或領域的管轄範圍內，不得進行移動式的操作，但如獲得該國家或領域的主管當局的許可，則屬例外。
 (乙) 當船隻或水上航行器在國際水域時，持牌人只可使用根據“電信公約”(Telecommunication Convention) 經分配給該船隻或航行器所處區域內的業餘業務的頻帶。
 (a) Mobile operation shall not be conducted within the jurisdiction of a state or territory outside Hong Kong except with the permission of the administration of such state or territory.
 (b) When a vessel or watercraft is in international waters, the Licensee shall use only those frequency bands which, in accordance with the “Telecommunication Convention” (電信公約), have been allocated to the amateur service in the region being visited.
4. 持牌人須確保只有經他認許的人，才可操作該電台。持牌人須確保在任何時間內，操作該電台的人員均遵守本牌照的條款、規定及限制。
The Licensee shall ensure that only persons authorized by him operate the Station. The Licensee shall ensure that persons operating the Station shall observe the terms, provisions and limitations of this licence at all times.

核數編號
Audit No.

5. 本牌照並不授權任何人使用該電台—
(甲) 作商業、廣告或宣傳用途；或
(乙) 發送（持牌人或與持牌人通訊的人以外的）其他任何人或組織的消息或訊息，或代表這些人或組織發送消息或訊息、或爲了這些人或組織的利益或資訊而發送消息或訊息，但如事前取得局長書面同意者，則屬例外。
This licence does not authorize the use of the Station -
(a) for business, advertisement or propaganda purposes; or
(b) for the transmission of news or messages of, or on behalf of, or for the benefit or information of, any organization or any person other than the Licensee and the person with whom he is in communication unless the prior consent of the Authority in writing has been obtained.
6. 雖有一般條件第 5（乙）條的規定，並在符合 1 9 7 9 年世界無線電行政大會第 6 4 0 號決議的限制下，持牌人可使用該電台，在附表 1 所訂明的頻帶內，作國際性救災通訊。
Notwithstanding General Condition 5(b), and subject to the limitations in Resolution 640 of the World Administrative Radio Conference 1979, the Licensee may use the Station for international disaster communications within the frequency bands stipulated in Schedule 1.
7. (甲) 除非事先獲得局長書面同意，持牌人不得傳送（除最初呼叫外）其他持牌業餘無線電操作者可以普遍接收的訊息，訊息只可傳送給—
(i) 個別持牌業餘無線電操作者；或
(ii) 持牌業餘無線電操作者的團體，但必須與任何其中一個團體內最少一名持牌業餘無線電操作者先行建立通訊。
(乙) 與香港以外的電台通訊時，持牌人須將訊息用明語電文傳送，並限於有關測試的技術性訊息及個人情況的述說。
(丙) 持牌人不得發送音樂、公共廣播或演辭。
(a) Except with the prior consent in writing of the Authority, the Licensee shall not send messages (other than initial calls) for general reception by licensed amateurs, but shall send messages to -
(i) individual licensed amateurs; or
(ii) groups of licensed amateurs as long as communication is first established separately with at least one licensed amateur in any such group.
(b) In the case of communication with stations outside Hong Kong, the Licensee shall send the messages in plain language and shall be limited to messages of a technical nature relating to tests, and to remarks of a personal character.
(c) The Licensee shall not transmit such material as music, public broadcasts or speeches.
8. 該電台不得發送令人厭惡的、淫褻的或不雅的訊息。
No message which is offensive, obscene or indecent shall be transmitted from the Station.
9. 如果接收到未經本牌照授權接收的訊息，持牌人或任何使用該電台的人除對局長所正式授權的人員或具有適當管轄權的法律審裁處所正式授權的人員外，一概不得透露該訊息的內容、來源或目標、該訊息的存在及曾接收到該訊息；亦不得保留該訊息的副本或加以利用，或容許其他人抄錄、複製或利用該訊息。
If any message, the receipt of which is not authorized by this licence is received, neither the Licensee nor any person using the Station shall make known the contents of any such message, its origin or destination, its existence or the fact of its receipt to any person except a duly authorized officer of the Authority or a competent legal tribunal, and shall not retain any copy or make any use of any such message, or allow it to be reproduced in writing, copied or made use of.

儀器 Apparatus

10. (甲) 發訊儀器須採用令人滿意的頻率穩定法。
(乙) 必須裝有量度頻率及功率的設備，而這些設備必須能夠核證發訊儀器所作的發射是在認許的頻帶及功率限制範圍內。
(a) A satisfactory method of frequency stabilization shall be employed in the transmitting apparatus.
(b) Equipment for frequency and power measurement shall be provided capable of verifying that the transmitting apparatus is operating with emissions within the authorized frequency bands and power limits.
11. (甲) 組成該電台的儀器，在設計、構造、維修及使用上，須使該電台的使用不會導致對其他業餘電台、或任何其他獲正式發牌或認許的無線電通訊造成不必要的干擾。
(乙) 在任何時間，必須採取一切預防措施，以避免過度的調制，而對所使用的發射類別，亦須盡可能將輻射能量局限在最窄的頻帶內。諧波輻射及其他雜散發射尤須壓制至不會干擾任何無線電通訊的水平。此外，須不時進行測試，以確保符合本段的要求。
(a) The apparatus comprised in the Station shall be so designed, constructed, maintained and used that the use of the Station does not cause any undue interference to other amateur stations, or any other duly licensed or authorized radiocommunications.
(b) At all times, every precaution shall be taken to avoid over-modulation, and to keep the radiated energy within the narrowest possible frequency bands having regard to the class of emission in use. In particular, the radiation of harmonics and other spurious emissions shall be suppressed to such a level that they cause no interference to any radiocommunications. Tests shall be carried out from time to time to ensure that the requirements of this paragraph are met.
12. 天線的裝設及維修須符合良好的工程標準，以免對附近的人或財物造成不能接受的危險。
An aerial shall be installed and maintained to good engineering standard so as not to pose unacceptable risks to persons or property in the vicinity.

操作紀錄 Record of Operation

13. 該電台的操作紀錄須以局長在附表 1 備註所訂明的格式及方式備存。
A record of operation of the Station shall be kept in the format and manner stipulated by the Authority in Notes to the Schedule 1.

電台呼號 Call sign

14. 操作該電台時，本牌照所授予的電台呼號須依照局長在附表 1 備註所訂明的程序使用。
When the Station is operated, the call sign assigned under this licence shall be used in accordance with the procedure stipulated by the Authority in Notes to the Schedule 1.

檢查及關閉 Inspection and close-down

15. 在任何合理時間，該電台、本牌照及操作紀錄均須讓局長所正式授權的人員檢查。
The Station, this licence and the record of operation shall be available for inspection at all reasonable times by duly authorized officers of the Authority.
16. (甲) 本牌照或局長所發給的本牌照複本，須備存於裝設該電台的每一個固定地點、船隻或水上航行器，以便局長所正式授權的人員作出要求時，可提供查閱。
(乙) 持牌人須將由局長發出的顯示該電台已領牌的標紙或文件—
(i) 展示在裝設該電台車輛的擋風玻璃上；或
(ii) 張貼在手提儀器上。
(a) This licence, or its duplicate issued by the Authority, shall be available for inspection upon request by duly authorized officers of the Authority at each fixed location, vessel or watercraft where the Station is installed.
(b) The Licensee shall -
(i) display on the windscreen of a vehicle in which the Station is installed; or
(ii) affix on a portable apparatus, such disc or document issued by the Authority showing the fact that the Station is licensed.
17. 該電台如對其他正式獲發給牌照或獲認許的無線電通訊造成不必要的干擾，在獲局長授權的人作出要求時，該電台必須關閉。
The Station shall be closed down on the demand of a person acting under the authority of the Authority when undue interference is being caused to other duly licensed or authorized radiocommunications.

釋義 Interpretation

18. 在本牌照內—
“私人訊息”並不包括商業事務的訊息；
“訊息”及“訊號”包括電話、視覺通訊、數碼通訊及電報；
“電信公約 (Telecommunication Convention)”指當時適用於香港的任何《國際電信公約》及增補於該公約的《無線電規則》。
- In this licence -
"messages about matters of a personal nature" does not include messages about business affairs;
"messages" and "signals" include telephony, visual communication, digital communication and telegraphy;
"the "Telecommunication Convention" (電信公約)" means any Constitution and Convention of the International Telecommunication Union, and the Radio Regulations which complement thereto, which for the time being applies to Hong Kong.

其他 Others

19. 持牌人以及持牌人憑本牌照而獲授權設置及使用的電台的所有操作人員，均須遵守及符合“電信公約”(Telecommunication Convention)的有關條文。
The Licensee and all persons operating any stations which the Licensee is authorized by this licence to establish and use shall observe and comply with the relevant provisions of the “Telecommunication Convention”(電信公約).
20. (甲) 本牌照的有效期限為局長在發出本牌照時決定和公布適用於業餘電台牌照的期間。
(乙) 持牌人須繳付當其時由局長不時決定和公布適用於業餘電台牌照的費用。
(丙) 局長可在發出日期後，藉向持牌人送達書面通知，在任何時間撤銷本牌照或更改本牌照的條款、條文或限制。根據本條作出的通知可即時生效或於該通知所指定的較後日期生效。
- (a) This Licence shall be valid for such period as determined and published by the Authority to be applicable to Amateur Station Licence at the time of the issue of this licence.
(b) The licensee shall pay the fees applicable to Amateur Station Licence as may from time to time be determined and published by the Authority.
(c) The Authority may at any time after the date of issue revoke this Licence or vary the terms, provisions or limitations thereof by a notice in writing served on the Licensee. Any notice given under this clause may take effect forthwith or on such subsequent date as may be specified in the notice.
21. 本牌照不得轉讓。
This licence is not transferable.
22. 本牌照、局長所發給的本牌照複本或顯示該電台已獲發給牌照的任何標紙或文件，須在本牌照期滿或撤銷後交回局長。
This licence or its duplicate issued by the Authority or any disc or document issued by the Authority showing the fact that the Station is licensed shall be returned to the Authority when this licence has expired or been revoked.
23. 持牌人曾獲發給的有關該電台的牌照，不論牌照的名稱，現均予以撤銷。
Any licence, however described, which has previously been granted to the Licensee in respect of the Station is hereby revoked.
24. 局長可酌情發表持牌人的姓名及地址，除非持牌人明確要求不要發表。
The Authority may publish the Licensee's name and address at his discretion unless the Licensee specifically asks that this should not be done.
25. 所傳送或接收的內容如享有版權，本牌照並不授權持牌人作出任何侵犯版權的行為。
This licence does not authorize the Licensee to do any act which is an infringement of any copyright which may exist in the matter sent or received.
26. 持牌人—
(甲) 須在切實可行範圍內盡快將其通訊地址的更改以書面通知局長；及
(乙) 須在(甲)段及一般條件第2(丙)條所提及的任何更改生效時，將本牌照及附表交回局長修改。
- The Licensee -
(a) shall give notice, as soon as practicable, in writing to the Authority of any change of his address for correspondence; and
(b) shall return this licence and the Schedules to the Authority for amendment when any of the changes mentioned in paragraph (a) or General Condition 2(c) have been effected.

特別條件 SPECIAL CONDITIONS

1. (甲) 持牌人必須持有電訊管理局局長所發出的批准文件，准許其擔任無線電通訊業餘電台的操作人員。
(乙) 除(丙)段所指者外，電台必須祇可由持牌人操作，或在持牌人在場及直接監督的情況下由他人操作。
(丙) 電台亦可由一名獲持牌人認許的人操作，而該人必須持有電訊管理局局長所發出的批准文件，准許其擔任業餘電台的操作員。
1. (a) The Licensee shall possess the written permission of the Authority to fill the position of operator of an amateur station.
(b) Save as otherwise provided in paragraph (c), the Station shall be operated only by the Licensee, or in the presence of and under the direct supervision of the Licensee.
(c) The Station may also be operated by a person authorized by the Licensee in that behalf and possessing the written permission of the Authority to fill the position of operator of an amateur station for radiocommunications.
1. 除中繼站不需人手操作外，電台必須由一名獲持牌人授權的人操作，或在該名獲持牌人授權的人在場及監督的情況下由他人操作；而該名獲授權人必須持有電訊管理局局長所發出的批准文件，准許其擔任業餘電台操作員。
1. Except for repeater station which may be unmanned, the Station shall be operated by, or in the presence of and under the supervision of, a person who has been authorized by the Licensee in that behalf and who possesses the written permission of the Authority to fill the position of operator of an amateur station for radiocommunication.

電訊管理局局長
() (代行)
For and on behalf of the
Telecommunications Authority

附表 1
業餘電台牌照

SCHEDULE 1
Amateur Station Licence

牌照號碼
Licence No.

1 頻帶 (兆赫) Frequency Bands in MHz	2 頻率劃分 Frequency Allocation (見備註 1) (See Note 1)	3 許可發射類別 Class of Emission Permitted (見備註 2) (See Note 2)	最大功率 (dBW) Maximum Power in dBW			
			(見備註 3) (see Note 3)	(見備註 3) (see Note 3)		
			載波 carrier	峰包功率 PEP		
1.8 - 2.0; 3.5 - 3.9	主要, 業餘業務 primary, amateur service					
7.0 - 7.1	主要, 業餘和衛星業餘業務 primary, amateur and amateur satellite service					
7.1 - 7.2	主要, 業餘業務 primary, amateur service					
10.1 - 10.15	次要, 業餘業務 secondary, amateur service					
14.0 - 14.25	主要, 業餘和衛星業餘業務 primary, amateur and amateur satellite service					
14.25 - 14.35	主要, 業餘業務 primary, amateur service					
18.068 - 18.168	主要, 業餘和衛星業餘業務 primary, amateur and amateur satellite service	莫爾斯電報 Morse	20	26		
21.0 - 21.45	主要, 業餘和衛星業餘業務 primary, amateur and amateur satellite service	話音通訊 Telephony				
24.89 - 24.99	主要, 業餘和衛星業餘業務 primary, amateur and amateur satellite service	無線電傳印字機 RTTY				
28.0 - 29.7	主要, 業餘和衛星業餘業務 primary, amateur and amateur satellite service	數據 Data				
50.00 - 51.50 52.025 - 52.11	主要, 業餘業務 primary, amateur service	圖文傳真 Facsimile				
144.0 - 146.0	主要, 業餘和衛星業餘業務 primary, amateur and amateur satellite service	慢掃描電視 SSTV			14 (14 / 7 *)	20
430.0 - 431.0	次要, 業餘業務 secondary, amateur service				20 (14 / 7 *)	26
435.0 - 438.0	次要, 衛星業餘業務 secondary, amateur satellite service					
435.0 - 439.8	次要, 業餘業務 secondary, amateur service					
2,400 - 2,450	次要, 衛星業餘業務 secondary, amateur satellite service				20	26
5,650 - 5,670	次要, 衛星業餘業務, 只限地面至太空方向 secondary, amateur satellite service, limited to earth-to-space direction		20	26		
5,725 - 5,850	次要, 業餘業務, 使用者須接受工業, 科學 及醫療 (工科醫) 使用者所產生的干擾 secondary, amateur service, users must accept interference from ISM users	電視及脈衝 - 只限於頻率在 5,725 兆赫以上	6 #	---		
10,450 - 10,500	次要, 業餘和衛星業餘業務 secondary, amateur and amateur satellite service		7	13		
24,000 - 24,250	次要, 業餘業務, 使用者須接受工業, 科學 及醫療 (工科醫) 使用者所產生的干擾 secondary, amateur service, users must accept interference from ISM users		20	26		
47,000 - 47,200	主要, 業餘和衛星業餘業務 primary, amateur and amateur satellite service	Television & Pulse -only for frequency above 5,725MHz				
76,000 - 77,500	次要, 業餘和衛星業餘業務 secondary, amateur and amateur satellite service					
77,500 - 78,000	主要, 業餘和衛星業餘業務 primary, amateur and amateur satellite service					
78,000 - 81,000	次要, 業餘和衛星業餘業務 secondary, amateur and amateur satellite service					

* 見備註 3(乙) see Note 3 (b) # 見備註 3(丙) see Note 3 (c)

附表 1 備註
NOTES TO THE SCHEDULE 1

(1) 頻率劃分

- (甲) 主要業務：－ 在對任何其他認可的主要業務不構成干擾的條件下，一個頻帶可以劃分給業餘業務和／或衛星業餘業務作主要業務之用。
- (乙) 次要業務：－ 在下列條件下，一個頻帶可以劃分給業餘業務和／或衛星業餘業務作次要業務之用：－
- (i) 不得對已經指配或將來可能指配頻率的主要業務或許可業務電台產生干擾，
- (ii) 不得要求保護不受來自已經指配或將來可能指配頻率的主要業務或許可業務電台的干擾，和
- (丙) 應急通訊：－ 遇有天災時，非業餘電台亦可使用劃分作業餘業務之用的3.5、7.0、10.1、14.0、18.0、21.0、24.8及144MHz的頻帶，以配合災區的國際應急通訊需要。

Frequency Allocation

- (a) Primary:- A frequency band is allocated to the amateur and/or amateur satellite service on a primary basis on condition that no interference is caused to any other authorized service on a primary basis.
- (b) Secondary:- A frequency band is allocated to the amateur and/or amateur satellite service on secondary basis on condition that :-
- (i) no interference is caused to stations of primary or permitted services to which frequencies are already assigned or to which frequencies may be assigned at a later day,
- (ii) no protection can be claimed from interference from stations of primary or permitted services to which frequencies are already assigned or to which frequencies may be assigned at a later day, and
- (c) Emergency Communications:-
The bands allocated to the amateur service at 3.5, 7.0, 10.1, 14.0, 18.0, 21.0, 24.8 and 144 MHz may, in the event of natural disasters, be used by non-amateur stations to meet the needs of international emergency communications in the disaster area.

(2) 發射類別

根據國際電信聯盟（國際電聯）所出版的無線電規則，發射類別是以每組三個的字符加以標識。此處所界定的發射類型是根據第三個字符劃分的。

- (甲) 連續載波 (CW)：於主載波上以開／合鍵調幅方式並供人工收聽接收的發射類別。
莫爾斯電報：採用任何以「A」作結的發射類別並供人工收聽接收的莫爾斯電報技術。
話音通訊：採用任何以「E」作結的發射類別的話音通訊。
電視：採用任何以「F」作結的發射類別的電視。此類型只可在1 GHz以上的頻段中使用。
無線電傳印字機 (RTTY)：採用任何以「B」作結的發射類別的自動接收的電報技術，包括使用國際電報電話諮詢委員會的任何認可密碼的電傳印字機，以及供自動接收的莫爾斯報。
數據：採用任何以「D」作結的發射類別的數據。無線電規則規定不同國家的業餘電台互發訊息時，須使用明語。因此所有發射均只可使用國際電報電話諮詢委員會的認可密碼（使用明語）。
圖文傳真：採用任何以「C」作結的發射類別圖文傳真。
慢掃描電視：在窄帶寬中採用任何以「F」作結的發射類別的電視。
- (乙) 同時採用以上任何發射類型的組合，例如電話技術和數據，以「W」作結的發射類別。
- (丙) 脈衝：採用任何以「P」作結的發射類別的脈衝。此類型只可在1 GHz以上的頻帶中使用。

Class of Emission

Under the Radio Regulations published by the International Telecommunications Union (ITU) classification of emissions are designated by groups of three characters. The types of emissions defined here are grouped according to the third character.

- (a) Continuous Wave (CW) : Amplitude-modulated transmission by on/off keying the main carrier intended for aural reception.
Morse : Morse telegraphy intended for aural reception using any classes of emission ending in A.
Telephony : Telephony using any classes of emission ending in E.
Television : Television using any classes of emission ending in F. This may only be used in frequency bands above 1 GHz.
Radio Teleprinter (RTTY) : Automatic telegraphy using any classes of emission ending in B. This includes teleprinters using any ITU-T recognized codes, and morse telegraphy intended for automatic reception.
Data : Data using any classes of emission ending in D. The Radio Regulations require that transmissions between amateur stations in different countries shall be in plain language. All transmissions shall therefore be restricted to using ITU-T recognized codes (in plain language).
Facsimile : Facsimile using any classes of emission ending in C.
Slow Scan Television (SSTV) : Television operating in a narrow bandwidth using any classes of emission ending in F.
- (b) Simultaneous use of combinations of any of the preceding types of transmission, e.g. Telephony and Data, are described as classes of emission ending in W.
- (c) Pulse : Pulse using any classes of emission ending in P. This may only be used in frequency bands above 1 GHz.

(3) 功率

- (甲) 最大功率是指供應給天線的無線電射頻功率。最大功率會以載波功率規定。對具有抑制、可變或減幅載波的發射，有關功率會在線性的情況下由峰包功率(p.e.p.)決定。至於脈衝發射，平均功率不得超過載波功率，而峰值功率則不得超過為該頻帶所訂定的 p.e.p。
- (乙) 144至146MHz頻帶和430至440MHz的劃分頻帶的移動操作，最大有效輻射功率限制為14dBW。而手提式操作，限制為7dBW。
- (丙) 5.725 – 5.850 GHz 頻帶的操作，最大等量全向輻射功率限制為6dBW。
- (丁) 發射帶寬必須可確保能最有效率地使用有關頻譜：一般來說，帶寬必須保持在科技及有關業務許可可容許的最低值。若使用帶寬擴展技術，則必須採用符合有效率地使用頻譜的最低頻譜功率密度。不過，無論使用何種發射類別，所擬發射佔用的帶寬，須符合在認可頻帶以外不可超過其平均發射功率1%的規定。這1%不包括諧波和寄生發射所包含的功率。

Power

- (a) Maximum power levels refer to the radio-frequency power supplied to the antenna. These levels will be specified by carrier power. For emissions having a suppressed, variable or reduced carrier the power shall be determined by the peak envelope power (p.e.p.) under linear conditions. For pulse emissions the mean power shall not exceed the carrier power and the peak power shall not exceed the p.e.p. stipulated for that frequency band.
- (b) For mobile operation in the frequency band of 144 - 146 MHz and allocated bands in the 430 - 440 MHz a maximum of 14 dBW erp is permitted. For portable operation the corresponding limit is 7 dBW erp.
- (c) For operation in the frequency band 5.725 - 5.850 GHz, a maximum of 6 dBW equivalent isotropically radiated power (e.i.r.p.) is permitted.
- (d) The bandwidths of emissions shall be such as to ensure the most efficient utilisation of the spectrum : in general this requires that bandwidths be kept at the lowest values which technology and the nature of the service permit. Where bandwidth-expansion techniques are used the minimum spectral power density consistent with efficient spectrum utilisation shall be employed. However whatever class of emission is in use the bandwidth occupied by the intended emission shall be such that not more than 1% of the mean power of the transmission shall fall outside of the authorized bands. This 1% does not include the power contained in harmonic and spurious emissions.

(4) 無線電引致的意外

- (甲) 由於強烈的射頻幅射可能會有害，所以下列安全限制適用於人們暴露於該種幅射中的地點：—

頻率 f(以MHz計)	電場強 (V/m)	等效平面
		波功率密度 Seq(W/m ²)
1-10	87/√f	-
10-400	28	2
400-2,000	1.375√f	f/200
2,000-300,000	61	10

至於脈衝發射，以脈衝寬度平均計算的等效平面波功率密度不得超過一千乘以上述為有關頻率所訂定的限制，條件是以為時六分鐘平均計算時，所規定的限制本身不會被超過而又可免除被射頻灼傷的危險。

- (乙) 為避免射頻意外地燃著易燃的空氣，任何油站前的空地範圍內均不得使用三十兆赫以下的流動無線電台。

Radio Hazard

- (a) Since high intensities of radio-frequency radiation may be harmful, the following safety limits will apply in locations to which people will be exposed :-

Frequency range f(in MHz)	E-field strength (V/m)	Equivalent plane wave
		power density Seq(W/m ²)
1-10	87/√f	-
10-400	28	2
400-2,000	1.375√f	f/200
2,000-300,000	61	10

For pulse emissions, the equivalent plane wave power density as averaged over the pulse width shall not exceed 1,000 times the specified limit given above for the frequency concerned, provided that the specified limit itself is not exceeded when averaged over a period of 6 minutes, and hazards of radio-frequency burns are eliminated.

- (b) To avoid inadvertent ignition of inflammable atmospheres by radio-frequency, mobile radio stations below 30 MHz should not be used in the forecourts of any petroleum fuelling stations.

(5) 電台呼號

- (甲) 每次使用電台時，必須發送牌照第一頁所述的電台呼號。手提式操作須在電台呼號後面加上“/P”；移動操作須在電台呼號後面加上“/M”；水上移動操作須在電台呼號後面加上“/MM”。
- (乙) 在每段發送的開始及結束時必須發出電台呼號以作識別，而每當射頻或發射類別有所改變時，亦須發出電台呼號。若使用電台的時間超過十五分鐘，必須在接著的每十五分鐘開始之時重覆(以同一方式)電台呼號。
- (丙) 若使用電話技術發送電台呼號，可讀出詞首字母與電台呼號的詞首字母一樣的熟悉單字，以確定電台呼號的字母。不過，該等單字不得含有滑稽或不良的意識。
- (丁) 若非利用電話技術或莫爾斯電報的方式發送訊號，電台呼號必須清晰可辨。

Call Sign

- (a) Whenever the Station is used the call sign mentioned on the first page of the Licence shall be transmitted, provided that the suffix "/P" shall be added to the call sign for portable operation, the suffix "/M" added to the call sign for mobile operation and the suffix "/MM" added to the call sign for maritime mobile operation.
- (b) The call sign shall be sent for identification purposes at the beginning and at the end of each period of sending and whenever the frequency or the class of emission is changed. When the period of use exceeds 15 minutes the call sign shall be repeated (in the same manner) at the commencement of each succeeding period of 15 minutes.
- (c) When telephony is used for sending the call sign the letters of the call sign may be confirmed by the pronouncement of well-known words of which the initial letters are the same as those in the call sign: but words used in this manner shall not be of a facetious or objectionable character.
- (d) When sending signals in modes other than telephony or Morse telegraphy, the call sign shall be clearly identifiable.

(6) **紀錄**

- (甲) 持牌人必須保存列明以下資料的永久紀錄：—
- (i) 發訊日期；
 - (ii) 電台每日首次及最後一次發訊的時間（協調世界時）；
 - (iii) 頻帶；
 - (iv) 發射類別；
 - (v) 功率；
 - (vi) 彼此已建立通訊的業餘電台牌照的呼號；
 - (vii) 按照牌照條件第11（乙）條的規定進行測試的詳情。
- (乙) 移動和手提式操作無須留存紀錄，但使用低於30兆赫頻帶操作則除外。
- (丙) 不論以何種方式留存紀錄，紀錄所載條目須能予以檢索及製成複製件，以便日後審核。
- (丁) 根據牌照條件第15條的規定，持牌人必須由最後載入起計留存有關紀錄至少六個月。

Record

- (a) A permanent record shall be kept by the Licensee showing:-
- (i) Date of transmission;
 - (ii) The times (in Co-ordinated Universal Time) during each day of the first and last transmissions from the Station;
 - (iii) Frequency band;
 - (iv) Class of emission;
 - (v) Power;
 - (vi) Call signs of licensed amateur stations with which communications have been established;
 - (vii) Details of the tests carried out in accordance with General Condition No. 11(b).
- (b) Except for operation in frequency bands below 30 MHz, there is no need to keep record for mobile and portable operation.
- (c) Regardless of how the record is kept, entries in the record should be retrievable and available in hard copies for later inspection.
- (d) Pursuant to General Condition No. 15, the Licensee shall keep the record for at least 6 months from the date of the last entry.

(7) **須予通知的資料**

- (甲) 根據牌照條件第2（丁）條的規定，若電台資料有任何轉變，持牌人須在該轉變作出後72小時內通知電訊管理局局長。
- (乙) 該些資料包括：
- (i) 所藏有的發送器材的數量，包括所擁有的手提器材（如有）的數量；及
 - (ii) 每件器材的廠名、型號及機身編號。若持牌人自行製造器材，則須予通知的資料為有關器材可使用的發射類別、頻帶及最大功率。

Particulars to be Notified

- (a) Pursuant to General Condition No.2(d), the Licensee shall notify the Telecommunications Authority of any change in his station particulars within 72 hours of such change.
- (b) These particulars are:-
- (i) the quantity of the transmitting apparatus that he has in his possession, including the number of portable apparatus (if any); and
 - (ii) the make, model and serial number of each of these apparatus. In case the Licensee has constructed his own apparatus, he should notify the classes of emission, frequency bands and maximum power with which the apparatus is capable of working.