



WIRELESS TELEGRAPHY ACTS, 1904–1926

LICENCE TO ESTABLISH AN AMATEUR WIRELESS STATION

Mr.....
of.....
hereinafter called “the Licensee” is hereby authorized to establish a wireless sending and receiving station (hereinafter called the station) at
.....
.....

subject to the conditions overleaf and to the payment of a fee of on the grant hereof (the receipt of which the Postmaster General hereby acknowledges) and a fee of on the anniversary of the date hereof in each year.

This licence is subject to withdrawal or modification at any time, either by specific notice in writing sent to the Licensee by post at the address shown above, or by means of a general notice in the *London Gazette* addressed to all holders of amateur wireless licences.

Any breach of the conditions or non-payment of fees will render this licence liable to cancellation. In event of cancellation no part of any fee paid in respect of the current year will be returned.

Issued on behalf of }
the Postmaster General }

Date.....

All communications should be addressed to the Engineer-in-Chief, Radio Branch, General Post Office, London, E.C.1., quoting Reference W5/5.....

**N.B.—Any change of address should be notified immediately
(Prior authority must be obtained before the station is established at a new address)**

CONDITIONS

1. **Radiotelegraph Convention.** – The Licensee shall observe the provisions of the International Telecommunication Convention, 1932, and the Radiocommunication Regulations annexed thereto or those of any subsequent International Convention and Regulations which may replace them so far as they are applicable to amateur stations.

2. **Power and Frequencies.** – Messages shall be sent only on frequencies within the bands and by the types of emission specified hereunder and the total D.C. power input to the anode circuit of the valve or valves energizing the aerial shall not exceed that shown against the respective frequencies.

Power (in watts)	Frequencies (in kilocycles per second)	Approximate equivalent wavelengths (in metres)	Types of emission
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(See attached frequency list)

The use of “spark” sending apparatus is specifically forbidden. Unrectified alternating voltage shall not in any circumstances be employed for the H.T. supply to the sending apparatus, and the H.T. supply shall be so smoothed that the value of the residual ripple voltage does not exceed 5 per cent. of the D.C. voltage.

3. **Frequency Control and Measurement.** – When in use, the sending apparatus shall be tuned to a frequency within the authorized band, which frequency shall be so selected and maintained that no appreciable energy is radiated on any frequency outside the limits of the band with and without modulation applied, due allowance having been made for the inaccuracy of the calibrating device. A satisfactory method of frequency stabilisation shall be employed in the sending apparatus.

Where the sending apparatus is not crystal controlled there shall be kept at the station, and used whenever necessary (and on all occasions when the frequency used for sending is changed), a reliable frequency meter of the piezo-electric crystal type or other type approved by the Postmaster General, for measuring the sending frequency to an accuracy of not less than ± 0.1 per cent. When the sending apparatus is crystal controlled the use of a separate crystal frequency meter as a calibrating device will not be compulsory, but a reasonably reliable frequency meter must be provided for checking that the sender is operating normally.

4. **Operator.** – The apparatus must in all cases be operated by or under the direct supervision of.....

5. **Sending Periods.** – The station may be operated at any time, provided that no period of sending shall exceed 10 consecutive minutes. Sending shall not commence without listening on the frequency which is to be used in order to ascertain, as far as possible, whether interference is likely to be caused thereby with any other station which may be working.

6. **Log.** – A running record shall be kept in a book of approved type (not loose-leaf) of all sending periods showing the date and time of each period and the frequency and type of emission employed (*see* Condition 2). No gaps shall be left between entries in the log. The record of sending periods shall in all cases be initialled at the time of recording by the authorized operator named in Condition 4.

7. **Receiver.** – The station shall always be equipped for the reception of signals sent on frequencies in current use at the station at any times by means of continuous wave telegraphy, telephony and any other type of emission authorized in condition 2.

8. (1) **Messages.** – Messages may be exchanged only with amateur stations (as defined by the International Radiocommunication Regulations) in this country or abroad. Except as is in this condition expressly provided messages exchanged by means of the station shall relate solely to the Licensee's private (but not business) affairs or those of the person with whom he is communicating and shall be in plain language. Special gramophone records for reproducing modulations of definite tones may be used for test purposes. Gramophone records, of the type intended for entertainment purposes, may be used on the condition that only one such record is used during the course of any day, the same record being repeated as desired; any record so used shall not have a playing time exceeding 10 minutes when played at the correct speed.

(2) The use of the station for (a) advertising or business purposes, (b) the sending or reception of news or the messages of persons other than the Licensee or the person with whom he is communicating, (c) the sending or reception of broadcast programmes, or (d) the sending or reception of social or political propaganda or the messages of any social or political organisation is expressly forbidden.

(3) The Licensee shall not receive any payment (either direct or indirect) for the use of the station or allow the station to be controlled by or used for the purposes of any social or political organisation.

9. **Secrecy of Correspondence.** – If any message which the Licensee is not entitled to receive is, nevertheless, received the Licensee shall not make known or allow to be made known its contents, its origin or destination, its existence or the fact of its receipt to any person (other than a duly authorized officer of His Majesty's Government or a competent legal tribunal) and shall not reproduce in writing, copy or make any use of such message or allow the same to be reproduced in writing, copied or made use of.

10. **Call Signal.** – The call signal G (g) has been allotted to the station. The prefix of nationality, *i.e.* "G", must invariably be included in the call signal which may be sent either by Morse telegraphy at a speed not greater than 20 words per minute or telephonically if the station is authorized to use telephony.

The call signal must be sent for identification purposes at the beginning and at the end of each period of sending.

In calling another station the call signal of that station must be sent and may be repeated throughout a period of not more than one minute, after which the signal " de " must be sent once and the call signal of the calling station three times. This procedure may be repeated but the time taken in calling must not exceed three minutes without an interval during which the operator must listen in the band of frequencies in which the call has been made.

In answering a call the call signal of the calling station must be sent three times, the signal " de " once and the call signal of the answering station three times.

When telephony is used the letters of the call signal may be confirmed by the pronunciation of well-known words of which the initial letters are the same as those in the call signal, but words used in this manner must not be of a facetious character nor be capable of undesirable interpretation.

11. **Inspection.** – The station shall be subject to the approval of the Postmaster General and together with the record of transmissions and this licence shall be open to inspection at all reasonable times by duly authorized officers of the Post Office who will produce their cards of identity on request.

12. **Non-interference.** – The stations shall be used in such a manner as not to cause interference with other stations outside the authorized bands. Sending shall at once be discontinued or postponed at the request of any Government or commercial station.

When telegraphy is being used the arrangement employed for “keying” the sender must be such as to reduce to a minimum the risk of interference due to key clicks being produced in neighbouring apparatus. Whenever, for any reason, the carrier wave of the sender is being modulated by any system of modulation, care must be taken to avoid over-modulation. Particular care must be taken to avoid unwanted frequency modulation of the carrier frequency. At all times every precaution shall be taken to prevent the radiation of energy at frequencies other than those which are necessary for the type of emission in use.

13. **Aerial.** – If the station is situated within half a mile of the boundary of any aerodrome, the height of the aerial above ground level shall not exceed 50 feet. An aerial which crosses above or is liable to fall upon or to be blown on any overhead power wire (including electric lighting and tramway wires) or power apparatus must be guarded to the reasonable satisfaction of the owner of the power wire or power apparatus concerned.

14. **Control in Emergency.** – (a) If and whenever in the opinion of the Postmaster General an emergency shall have arisen in which it is expedient for the public service that His Majesty’s Government shall have control over the sending and receipt of messages by means of the station it shall be lawful for the Postmaster General to direct and cause the station to be taken possession of in the name and on behalf of His Majesty and to prevent the Licensee from using it and for these purposes or either of them to cause any part of or all the apparatus forming the station to be removed to such place as he may think fit and any person authorized by the Postmaster General may from time to time enter the premises at which the station is maintained for any such purposes as aforesaid.

(b) The Licensee shall not be entitled to any compensation in respect of the exercise by the Postmaster General of the power conferred by this condition which shall remain in force notwithstanding the withdrawal or modification of the Licence.

NOTES. — (i) **Use of Supply Mains.** – If power for the working of the wireless station is taken from a public electricity supply no direct connection shall be made between the supply mains and the aerial.

(ii) **Broadcast Reception.** – This licence does not authorize the reception of broadcast programmes for entertainment purposes. For the reception of broadcast programmes for entertainment a separate broadcast receiving licence is necessary.

(iii) **Copyright.** – This licence does not authorize the Licensee to do any act which is an infringement of any copyright which may exist in the matter transmitted.

(iv) **Return of Licence.** – When this licence is cancelled or superseded by a new licence it must be returned to the address at the foot of page 1 (of the licence), together with any letters authorizing additions or alterations to the terms of the licence.

(v) **Payment of Renewal Fee.** – The fee should be forwarded on the due date to the Comptroller and Accountant General, General Post Office, London, E.C.1, quoting the reference given at the foot of page 1. It is unnecessary to forward the licence when the renewal fee is remitted.

Power (in watts)	Frequencies	Approximate equivalent wavelengths	Types of emission	Remarks
10	1715 - 2000 Kc/s 3500 - 3635 " 3685 - 3800 " 7000 - 7300 " 14000 - 14400 "	175.0 - 150.0 m 85.7 - 82.5 " 81.4 - 78.9 " 42.86 - 41.10 " 21.43 - 20.83 "	(A1,A2,A3)∅ Amplitude modulated <u>only</u>	
	28 - 30 Mc/s	10.71 - 10.0 "	(A1,A2,A3)∅ Amplitude or frequency modulated.	
	144 - 146 "	2.08 - 2.05 "	(A1,A2,A3)∅ Amplitude modulated <u>only</u>	144 to 145 subject to non-interference with Government Services working in this part of the band.
	420 - 460 " 1215 - 1300 "	71.43 - 65.22cm 24.69 - 23.05 "	(A1,A2,A3)∅ Amplitude or frequency modulated.	Subject to non- interference with other Services working in these bands.
	2300 - 2450 " 5650 - 5850 " 10000 - 10500"	13.04 - 12.24 " 5.31 - 5.13 " 3.0 - 2.86 "	(A1,A2,A3)∅ Amplitude or frequency modulated.	

∅ As defined in B.S. 204, 1943 - Terms Nos. 4119, 4120 and 4121 respectively.

Rota 2874W/48

for ENGINEER-IN-CHIEF
16 Dec. 1950