

AMATEUR (SOUND) LICENCE ATHE SCHEDULE

| FOOTNOTE NO. | FREQUENCY BANDS<br>(in Mc/s)<br>(See A overleaf)  | CLASSES OF EMISSION<br>(See B overleaf)               | POWER   |  |
|--------------|---|---|---|--|
|              |   |   | MAXIMUM DC<br>INPUT POWER<br>(See C and D<br>overleaf)    | RADIO FREQUENCY OUTPUT<br>PEAK ENVELOPE POWER<br>FOR A3A AND A3J<br>EMISSIONS ONLY<br>(See D overleaf) |
| 1 and 5      | 1.8 - 2   | A1, A2, A3<br><br>A3A, A3H, A3J,<br><br>F1, F2 and F3 | 10 watts  | 26 $\frac{2}{3}$ watts   |
| 2            | 3.5 - 3.8   |   | 150 watts   | 400 watts  |
|              | 7 - 7.10<br>14 - 14.35<br>21 - 21.45<br>28 - 29.7 |   |   |  |
| 1 and 3      | 70.1 - 70.7                                       |   |   |  |
| 1 and 4      | 144 - 145<br>145 - 146                            |   | 150 watts   | 400 watts  |
| 1            | 427 - 450   |   |   |  |
| 1            | 1,215 - 1,325                                     |   |   |  |
| 1            | 2,300 - 2,450                                     |   |   |  |
| 1            | 3,400 - 3,475                                     |   |   |  |
| 1            | 5,650 - 5,850                                     |   |   |  |
| 1            | 10,000 - 10,500                                   | 21,000 - 22,000                                       |   |  |
|              |   |   |   |  |
| 1 and 6      | 2,350 - 2,400                                     | F1D, P2D, P2E,<br>P3D and P3E                         | 25 watts mean<br>power and<br>2.5 kilowatts<br>peak power |  |
| 1 and 6      | 5,700 - 5,800                                     |   |   |  |
| 1 and 6      | 10,050 - 10,450                                   |   |   |  |
|              | 21,150 - 21,850                                   |   |   |  |

FOOTNOTES:-

- This band is allocated to stations in the amateur service on a secondary basis on condition that they shall not cause interference to other services.
- This band is shared by other services.
- This band is available to amateurs until further notice provided that (i) only the frequency 70.375 Mc/s  $\pm$  25 kc/s shall be used for the purposes mentioned in Clause 1(1) (c) of this Licence; (ii) frequencies between 70.1-70.3 Mc/s inclusive and 70.5-70.7 Mc/s inclusive shall not be used on the North West side of the Line Firth of Lorne to the Moray Firth; and (iii) use by the Licensee of any frequency in the band shall cease immediately on the demand of a Government official.
- The following spot aeronautical frequencies must be avoided whenever this band is used:- 144.0, 144.09, 144.18, 144.27, 144.36, 144.45, 144.54, 144.63, 144.72, 144.81 and 144.9 Mc/s.
- The type of transmission known as Radio Teleprinter (RTTY) may not be used in this band.
- Use by the Licensee of any frequency in this band shall be only with the prior written consent of the Postmaster General.

A. Artificial satellites may not be used by stations in the amateur service except in the bands 144-145 Mc/s and 145-146 Mc/s.

B. The symbols used to designate the classes of emission have the meanings assigned to them in the Telecommunication Convention. They are:-

#### Amplitude Modulation

A1. Telegraphy by on-off keying, without the use of a modulating audio frequency.

A2. Telegraphy by on-off keying of an amplitude-modulating audio frequency or frequencies, or by on-off keying of the modulated emission.

A3. Telephony, double sideband.

A3A. Telephony, single sideband, reduced carrier.

A3H. Telephony, single sideband, full carrier.

A3J. Telephony, single sideband, suppressed carrier.

#### Frequency (or phase) Modulation

F1. Telegraphy by frequency shift keying without the use of a modulating audio frequency, one of the two frequencies being emitted at any instant.

F2. Telegraphy by on-off keying of a frequency modulating audio frequency or on-off keying of a frequency modulated emission.

F3. Telephony.

#### Pulse Modulation

P1D. Telegraphy by on-off keying of a pulsed carrier without the use of a modulating audio frequency.

P2D. Telegraphy by on-off keying of a modulating audio frequency or frequencies or by on-off keying of a modulated pulsed carrier - the audio frequency or frequencies modulating the amplitude of the pulses.

P2E. Telegraphy by on-off keying of a modulating audio frequency or frequencies or by on-off keying of a modulated pulsed carrier - the audio frequency or frequencies modulating the width (or duration) of the pulses.

P3D. Telephony, amplitude modulated pulses.

P3E. Telephony, width (or duration) modulated pulses.

C. DC input power is the total direct current power input to (i) the anode circuit of the valve(s) or (ii) any other device energising the aerial.

D. As an alternative, for A3A and A3J single sideband types of emission, the power shall be determined by the peak envelope power (P.E.P.) under linear operation. The radio frequency output peak envelope power under linear operation shall be limited to 2.667 times the DC input power appropriate to the frequency band concerned. This column gives the maximum power determined by this method which may be used.