

Table A
Foundation Licence Parameters

Frequency Bands (in MHz)	Status of allocations in UK to the Amateur Service	Status of allocations in UK to the Amateur Satellite Service	Maximum Peak Envelope Power level in Watts (and dB relative to 1 Watt)
0.1357-0.1378	Secondary. Available on the basis of non-interference to other services inside or outside the UK.	Not allocated	1W (0 dBW) e.r.p.
1.810-1.830	Primary. Available on the basis of non-interference to other services outside the UK.	Not allocated	10W (10 dBW)
1.830-1.850	Primary	Not allocated	10W (10 dBW)
1.850-2.000	Secondary. Available on the basis of non-interference to other services inside or outside the UK.	Not allocated	10W (10 dBW)
3.500-3.800	Primary. Shared with other services	Not allocated	10W (10 dBW)
7.000-7.100	Primary	Primary	10W (10 dBW)
7.100-7.200	Primary	Not allocated	10W (10 dBW)
10.100-10.150	Secondary	Not allocated	10W (10 dBW)
14.000-14.250	Primary	Primary	10W (10 dBW)
14.250-14.350	Primary	Not allocated	10W (10 dBW)
18.068-18.168	Primary	Primary	10W (10 dBW)
21.000-21.450	Primary	Primary	10W (10 dBW)
24.890-24.990	Primary	Primary	10W (10 dBW)
28.000-29.700	Primary	Primary	10W (10 dBW)
50.00-51.00	Primary. Available on the basis of non-interference to other services outside the UK	Not allocated	10W (10 dBW)
51.00-52.00	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	10W (10 dBW)
70.00-70.50	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	10W (10 dBW)
144.0-146.0	Primary	Primary	10W (10 dBW)
430.0-431.0	Secondary	Not allocated	10W (10 dBW) e.r.p.
431.0-432.0	Secondary. Not available for use within 100km radius of Charing Cross, London (51°30'30"N, 00°07'24"W)	Not allocated	10W (10 dBW) e.r.p.
432.0-435.0	Secondary	Not allocated	10W (10 dBW)
435.0-438.0	Secondary	Secondary	10W (10 dBW)
438.0-440.0	Secondary	Not allocated	10W (10 dBW)
10000-10125	Secondary	Not allocated	1W (0 dBW)
10225-10450	Secondary	Not allocated	1W (0 dBW)
10450-10475	Secondary	Secondary	1W (0 dBW)
10475-10500	Not allocated	Secondary	1W (0 dBW)

Table B
Intermediate Licence Parameters

Frequency Bands (in MHz)	Status of allocations in UK to the Amateur Service	Status of allocations in UK to the Amateur Satellite Service	Maximum Peak Envelope Power level in Watts (and dB relative to 1 Watt)
0.1357-0.1378	Secondary. Available on the basis of non-interference to other services inside or outside the UK.	Not allocated	1W (0 dBW) e.r.p.
1.810-1.830	Primary. Available on the basis of non-interference to other services outside the UK	Not allocated	50W (17 dBW)
1.830-1.850	Primary	Not allocated	50W (17 dBW)
1.850-2.000	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	32W (15 dBW)
3.500-3.800	Primary. Shared with other services	Not allocated	50W (17 dBW)
7.000-7.100	Primary	Primary	50W (17 dBW)
7.100-7.200	Primary	Not allocated	50W (17 dBW)
10.100-10.150	Secondary	Not allocated	50W (17 dBW)
14.000-14.250	Primary	Primary	50W (17 dBW)
14.250-14.350	Primary	Not allocated	50W (17 dBW)
18.068-18.168	Primary	Primary	50W (17 dBW)
21.000-21.450	Primary	Primary	50W (17 dBW)
24.890-24.990	Primary	Primary	50W (17 dBW)
28.000-29.700	Primary	Primary	50W (17 dBW)
50.00-51.00	Primary. Available on the basis of non-interference to other services outside the UK	Not allocated	50W (17 dBW)
51.00-52.00	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	50W (17 dBW)
70.00-70.50	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	50W (17 dBW)
144.0-146.0	Primary	Primary	50W (17 dBW)
430.0-431.0	Secondary	Not allocated	40W (16 dBW) e.r.p.
431.0-432.0	Secondary. Not available for use within 100km radius of Charing Cross, London (51°30'30"N, 00°07'24"W)	Not allocated	40W (16 dBW) e.r.p.
432.0-435.0	Secondary	Not allocated	50W (17 dBW)
435.0-438.0	Secondary	Secondary	50W (17 dBW)
438.0-440.0	Secondary	Not allocated	50W (17 dBW)
1240-1260	Secondary	Not allocated	50W (17 dBW)
1260-1270	Secondary	Secondary. Earth to space only	50W (17 dBW)
1270-1325	Secondary	Not allocated	50W (17 dBW)
2310-2350	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	50W (17 dBW)
2390-2400	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	50W (17 dBW)
2400-2450	Secondary. Users must accept interference from ISM users.	Secondary. Users must accept interference from ISM users.	50W (17 dBW)
3400-3410	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	50W (17 dBW)
5650-5670	Secondary	Secondary. Earth to space only	50W (17 dBW)

Intermediate Licence Parameters (continued)

Frequency Bands (in MHz)	Status of allocations in UK to the Amateur Service	Status of allocations in UK to the Amateur Satellite Service	Maximum Peak Envelope Power level in Watts (and dB relative to 1 Watt)
5670-5680	Secondary	Not allocated	50W (17 dBW)
5755-5765	Secondary. Users must accept interference from ISM users.	Not allocated	50W (17 dBW)
5820-5830	Secondary. Users must accept interference from ISM users.	Not allocated	50W (17 dBW)
5830-5850	Secondary. Users must accept interference from ISM users.	Secondary. Users must accept interference from ISM users. Space to Earth only.	50W (17 dBW)
10000-10125	Secondary	Not allocated	50W (17 dBW)
10225-10450	Secondary	Not allocated	50W (17 dBW)
10450-10475	Secondary	Secondary	50W (17 dBW)
10475-10500	Not allocated	Secondary	50W (17 dBW)
24000-24050	Primary. Users must accept interference from ISM users	Primary. Users must accept interference from ISM users	50W (17 dBW)
24050-24150	Secondary. May only be used with the written consent of Ofcom. Users must accept interference from ISM users	Not allocated	50W (17 dBW)
24150-24250	Secondary	Not allocated	50W (17 dBW)
47000-47200	Primary	Primary	50W (17 dBW)
75500-75875	Secondary	Secondary	50W (17 dBW)
75875-76000	Primary	Primary	50W (17 dBW)
76000-77500	Secondary	Secondary	50W (17 dBW)
77500-78000	Primary	Primary	50W (17 dBW)
78000-79000	Secondary	Secondary	50W (17 dBW)
79000-81000	Secondary	Secondary	50W (17 dBW)
122250-123000	Secondary	Not allocated	50W (17 dBW)
134000-136000	Primary	Primary	50W (17 dBW)
136000-141000	Secondary	Secondary	50W (17 dBW)
241000-248000	Secondary	Secondary	50W (17 dBW)
248000-250000	Primary	Primary	50W (17 dBW)

Table C
Full Licence Parameters

Frequency Bands (in MHz)	Status of allocations in UK to the Amateur Service	Status of allocations in UK to the Amateur Satellite Service	Maximum Peak Envelope Power level in Watts (and dB relative to 1 Watt)
0.1357-0.1378	Secondary. Available on the basis of non-interference to other services inside or outside the UK.	Not allocated	1W (0 dBW) e.r.p.
0.472 - 0.479 (subject to note (f))	Secondary	Not allocated	Subject to note (f), 5W (7 dBW) e.i.r.p.
1.810-1.830	Primary. Available on the basis of non-interference to other services outside the UK	Not allocated	400W (26 dBW)
1.830-1.850	Primary	Not allocated	400W (26 dBW)
1.850-2.000	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	32W (15 dBW)
3.500-3.800	Primary. Shared with other services	Not allocated	400W (26 dBW)
5.2585 – 5.264 (subject to note (g))	Secondary. Available on the basis of non-interference to other services inside the UK	Not allocated	100 W (20dBW)
5.276 – 5.284 (subject to note (g))	Secondary. Available on the basis of non-interference to other services inside the UK	Not allocated	100 W (20dBW)
5.2885 – 5.292 (subject to note (g))	Secondary. Available on the basis of non-interference to other services inside the UK	Not allocated	100 W (20dBW)
5.298 - 5.307 (subject to note (g))	Secondary. Available on the basis of non-interference to other services inside the UK	Not allocated	100 W (20dBW)
5.313 – 5.323 (subject to note (g))	Secondary. Available on the basis of non-interference to other services inside the UK	Not allocated	100 W (20dBW)
5.333 – 5.338 (subject to note (g))	Secondary. Available on the basis of non-interference to other services inside the UK	Not allocated	100 W (20dBW)
5.354 – 5.358 (subject to note (g))	Secondary. Available on the basis of non-interference to other services inside the UK	Not allocated	100 W (20dBW)
5.362 – 5.3745 (subject to note (g))	Secondary. Available on the basis of non-interference to other services inside the UK	Not allocated	100 W (20dBW)
5.378 – 5.382 (subject to note (g))	Secondary. Available on the basis of non-interference to other services inside the UK	Not allocated	100 W (20dBW)
5.395 – 5.4015 (subject to note (g))	Secondary. Available on the basis of non-interference to other services inside the UK	Not allocated	100 W (20dBW)
5.4035 – 5.4065 (subject to note (g))	Secondary. Available on the basis of non-interference to other services inside the UK	Not allocated	100 W (20dBW)
7.000-7.100	Primary	Primary	400W (26 dBW)
7.100-7.200	Primary.	Not allocated	400W (26 dBW)
10.100-10.150	Secondary	Not allocated	400W (26 dBW)
14.000-14.250	Primary	Primary	400W (26 dBW)
14.250-14.350	Primary	Not allocated	400W (26 dBW)
18.068-18.168	Primary	Primary	400W (26 dBW)
21.000-21.450	Primary	Primary	400W (26 dBW)
24.890-24.990	Primary	Primary	400W (26 dBW)
28.000-29.700	Primary	Primary	400W (26 dBW)
50.00-51.00	Primary. Available on the basis of non-interference to other services outside the UK	Not allocated	400W (26 dBW)
51.00-52.00	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	100W (20 dBW)
70.00-70.50	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	160W (22 dBW)
144.0-146.0	Primary	Primary	400W (26 dBW)
430.0-431.0	Secondary	Not allocated	40W (16 dBW) e.r.p.

Frequency Bands (in MHz)	Status of allocations in UK to the Amateur Service	Status of allocations in UK to the Amateur Satellite Service	Maximum Peak Envelope Power level in Watts (and dB relative to 1 Watt)
431.0-432.0	Secondary. Not available for use; within 100km radius of Charing Cross, London (51°30'30"N,00°07'4"W)	Not allocated	40W (16 dBW) e.r.p.
432.0-435.0	Secondary	Not allocated	400W (26 dBW)
435.0-438.0	Secondary	Secondary	400W (26 dBW)
438.0-440.0	Secondary	Not allocated	400W (26 dBW)
1240-1260	Secondary	Not allocated	400W (26 dBW)
1260-1270	Secondary	Secondary. Earth to space only	400W (26 dBW)
1270-1325	Secondary	Not allocated	400W (26 dBW)
2310-2350	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	400W (26 dBW)
2390-2400	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	400W (26 dBW)
2400-2450	Secondary. Users must accept interference from ISM users.	Secondary. Users must accept interference from ISM users.	400W (26 dBW)
3400-3410	Secondary. Available on the basis of non-interference to other services inside or outside the UK	Not allocated	400W (26 dBW)
5650-5670	Secondary	Secondary. Earth to space only	400W (26 dBW)
5670-5680	Secondary	Not allocated	400W (26 dBW)
5755-5765	Secondary. Users must accept interference from ISM users	Not allocated	400W (26 dBW)
5820-5830	Secondary. Users must accept interference from ISM users	Not allocated	400W (26 dBW)
5830-5850	Secondary. Users must accept interference from ISM users	Secondary. Users must accept interference from ISM users. Space to Earth only.	400W (26 dBW)
10000-10125	Secondary	Not allocated	400W (26 dBW)
10225-10450	Secondary	Not allocated	400W (26 dBW)
10450-10475	Secondary	Secondary	400W (26 dBW)
10475-10500	Not allocated	Secondary	400W (26 dBW)
24000-24050	Primary. Users must accept interference from ISM users	Primary. Users must accept interference from ISM users	400W (26 dBW)
24050-24150	Secondary. May only be used with the written consent of Ofcom. Users must accept interference from ISM users	Not allocated	400W (26 dBW)
24150-24250	Secondary	Not allocated	400W (26 dBW)
47000-47200	Primary	Primary	400W (26 dBW)
75500-75875	Secondary	Secondary	400W (26 dBW)
75875-76000	Primary	Primary	400W (26 dBW)
76000-77500	Secondary	Secondary	400W (26 dBW)
77500-78000	Primary	Primary	400W (26 dBW)
78000-79000	Secondary	Secondary	400W (26 dBW)
79000-81000	Secondary	Secondary	400W (26 dBW)
122250-123000	Secondary	Not allocated	400W (26 dBW)
134000-136000	Primary	Primary	400W (26 dBW)
136000-141000	Secondary	Secondary	400W (26 dBW)
241000-248000	Secondary	Secondary	400W (26 dBW)
248000-250000	Primary	Primary	400W (26 dBW)

Notes to Schedule 1

(a) dBW is the power level in dB relative to one Watt.

(b) Peak envelope power is the average power supplied to the antenna by a transmitter during one radio frequency cycle at the crest of the modulation envelope taken under normal operating conditions.

(c) Effective radiated power (e.r.p.) (in a given direction) is the product of the power supplied to the antenna and its gain relative to a half-wave dipole in a given direction.

(d) ISM is an abbreviation for industrial, scientific and medical applications.

(e) In all frequency bands, high intensities of radio frequency radiation may be harmful and safety precautions should be taken. Advice concerning safe levels of exposure to radio frequency radiation is provided by Public Health England.

(f) Where Radio Equipment is being used in the 0.472 - 0.479 MHz band, the following specific terms and conditions will also apply:

- (i) Where the Equipment is used within 800 kilometres of any border of any of the countries listed below, the maximum power level must not exceed 1 Watt eirp.

Algeria, Saudi Arabia, Azerbaijan, Bahrain, Belarus, China, Comoros, Djibouti, Egypt, United Arab Emirates, the Russian Federation, Iran (Islamic Republic of), Iraq, Jordan, Kazakhstan, Kuwait, Lebanon, Libya, Morocco, Mauritania, Oman, Uzbekistan, Qatar, Syrian Arab Republic, Kyrgyzstan, Somalia, Sudan, Tunisia, Ukraine and Yemen

- (ii) Any use of the Station in another country is subject to the laws of that country;
- (iii) The Station must not cause interference to and may not claim protection from other wireless telegraphy or electronic equipment;
- (iv) In particular, the Radio Equipment must not cause interference to stations operating in the aeronautical radio navigation service or on 490 kHz in the Maritime Mobile service;
- (v) If the Licensee is notified that the Radio Equipment is causing interference to the services described in (iv) above, the Licensee must close down the Equipment and not use it until it can be used without causing such interference.

(g) Where Radio Equipment is being used in the 5 MHz band, the following specific terms and conditions will also apply:

- (i) When operating double sideband, the maximum bandwidth shall not exceed 6kHz;
- (ii) Notwithstanding the maximum peak envelope power expressed in the table, above, the maximum radiated power must not exceed 200 Watts eirp;
- (iii) The antenna height shall not exceed 20 metres above ground level;
- (iv) The Licensee must not cause interference to the use made of the 5 MHz band by the Ministry of Defence ("MoD") and must close down any apparatus that operates in the 5 MHz band if he or she becomes aware that such use is causing undue interference to the MoD's use of the band;
- (v) Communication may be established with military or military cadet organisations by transmitting and receiving only in the 5 MHz band;
- (vi) Particular care must be taken to ensure radiation does not take place outside the specified frequencies within the 5 MHz band;
- (vii) Where the Licensee intends to operate within a "net" (a network), the Licensee shall observe the following requirements in relation to the transmission of his or her Callsign:
 - (a) The Licensee shall transmit the station Callsign when he first joins the net and on leaving it;
 - (b) subject to sub-clause (c) below, whilst participating in the net, the Licensee shall not be required to transmit the station Callsign when making contact with other participants;

- (c) where the Licensee's transmissions have been other than in speech mode for at least fifteen minutes, the Licensee shall transmit his call sign when next he transmits speech.
- (viii) The Licensee shall operate the Station only at the Main Station Address or at a Temporary Location within the United Kingdom.
- (ix) At a Temporary Location within the UK, the Licensee shall give the location of the Station every 30 minutes to an accuracy of at least 5km by a generally used identifier as indicated in Note (e) to the "Notes to the licence";
- (x) The Licensee shall only operate the Station to the extent that the Licensee can be contacted on a telephone which is located in close proximity to the Station.
- (xi) In this footnote, "the 5 MHz band" means the radio spectrum between 5.2585 MHz and 5.4065 MHz

Schedule 2

Additional restrictions which apply to the Unattended Operation of Beacons

Frequencies	Full Licence, Full (Reciprocal) Licence, Full (Temporary Reciprocal) Licence, Full (Club) Licence	Intermediate Licence	Foundation Licence
1.960 MHz	(1)	(1)	Not allocated
3.510 MHz - 3.543 MHz	(1)	Not allocated	Not allocated
3.553 MHz - 3.600 MHz	(1)	Not allocated	Not allocated
28.000 MHz - 28.100 MHz	Not within 50 km of NGR SK 985640 (1)	Not allocated	Not allocated
28.100 MHz - 28.500 MHz	Not within 50 km of NGR SK 985640 (1)	Not within 50 km of NGR SK 985640 (1)	Not allocated
28.500 MHz – 29.700 MHz	Not within 50 km of NGR SK 985640 (1)	Not allocated	Not allocated
70.000 MHz - 70.500 MHz		Not allocated	Not allocated
144.000 MHz - 146.000 MHz	Not within 50 km of NGR TA 012869 (1) (2)	Not allocated	Not allocated
1298 – 1299 MHz	Not in N. Ireland and not within 50 km of NGR SS 206127 and NGR SE 202577	Not in N. Ireland and not within 50 km of NGR SS 206127 and NGR SE 202577	Not allocated
2310.0000 MHz - 2310.4125 MHz	Not within 50 km of NGR SS 206127 and NGR SE 202577	Not allocated	Not allocated
2310.4125 MHz - 2350.0000 MHz		Not allocated	Not allocated
2390 MHz - 2392 MHz		Not allocated	Not allocated
2392 MHz - 2450 MHz	Not within 50 km of NGR SS 206127 and NGR SE 202577	Not allocated	Not allocated
3400 MHz - 3410 MHz		Not allocated	Not allocated
5650 MHz - 5670 MHz		Not allocated	Not allocated
5670 MHz - 5680 MHz	Not within 50 km of NGR SS 206127 and NGR SE 202577	Not allocated	Not allocated
5755 MHz - 5765 MHz		Not allocated	Not allocated
5820 MHz - 5850 MHz		Not allocated	Not allocated
10000 MHz – 10125 MHz	Not within 50 km of NGR SO 916223, SS 206127, NGR SK 985640 and NGR SE 202577	Not within 50 km of NGR SS 206127, NGR SK 985640 or NGR SE 202577	Not allocated
10400 MHz – 10475 MHz			Not allocated
24000 MHz – 24050 MHz	Not within 50 km of NGR SK 985640 and NGR SE 202577	Not allocated	Not allocated
47000 MHz – 47200 MHz	Not within 50 km of NGR SK 985640 and NGR SE 202577	Not allocated	Not allocated

Notes to additional restrictions which apply to the unattended operation of beacons

(1) May only be used for the purpose of direction finding competitions. The Beacon must transmit the Callsign of the Licensee in accordance with Clause 13 of this Licence and it must be possible to switch the Beacon off within two hours of a demand to close down by a person authorised by Ofcom.

(2) It is permissible to transmit positional information using automatic position reporting software on a spot frequency of 144.800 MHz at any one temporary location not within 50 km of NGR TA 012869. The maximum permitted period of unattended operation is 30 minutes.

Notes to schedule 2

(a) The Unattended Operation of Beacons is only permitted within the frequency bands:

- I. Which are listed in the first column of Schedule 2; or
- II. which are above 75500 MHz and are listed in the first column of Schedule 1 providing that such operation is not within 50 km of NGR SK 985640 and NGR SE 202577.

(b) Beacons may operate with a maximum power level of 25 W e.r.p. pep.