
Spectrum available for powerline carrier systems

UK Frequency Allocation Table

Spectrum available for powerline carrier systems

The Energy Networks Association may make assignments for power line carrier systems in the bands below. These systems fall into two categories:

- a) **Normally Quiescent Carrier Systems.** These systems may use any frequency within the range 30.0 to 526.5 kHz.
- b) **Continuous Carrier Systems.** These systems may also use frequencies within the range 30.0 to 526.5 kHz. This use is in accordance with the availability of the bands and restrictions listed below in the table below.

The frequency bands listed below are also noted in the [UK Frequency Allocation Table](#) under footnote 13.

| Band (kHz) | Availability and restriction |
|--------------|---|
| 30 to 59 | Available without restriction |
| 59 to 61 | Not available (to guard reception of TIME SIGNALS and STANDARD FREQUENCY transmissions) |
| 61 to 90 | Available without restriction |
| 90 to 110 | Not available |
| 110 to 129 | Available without restriction |
| 129 to 132 | Available without restriction |
| 132 to 135 | Not available |
| 135 to 138 | Available, but note presence of the amateur service |
| 138 to 146 | Available without restriction |
| 146 to 148 | Not available |
| 148 to 193 | Available without restriction |
| 193 to 203 | Not available |
| 203 to 222 | Available without restriction |
| 222 to 232 | Not available |
| 232 to 247 | Available without restriction |
| 247 to 489 | Not available (to guard AERONAUTICAL RADIONAVIGATION and maritime radio beacons) |
| 489 to 491 | Available (subject to protection of Maritime Safety Information (GMDSS)) |
| 491 to 495 | Available |
| 495 to 505 | Not available (to guard DISTRESS traffic on 500 kHz) |
| 505 to 526.5 | Available (subject to protection of NAVTEX service) |