

## United Kingdom Radio Control Council - UKRCC

### UKRCC Objectives

- \* To defend the current frequency allocation and seek extensions
- \* To be involved in the harmonisation of R.C. Frequencies within Europe
- \* To be involved in the preparation of new or updated technical standards
- \* To advise and assist R.C. Users on relevant matters
- \* To liaise with the Radio Communications Agency and other official organisations on R.C. Frequencies.

The UKRCC represents the modelling community to the regulatory authorities.

There are four bands available for Model Boat use.

27 MHz is the traditional band allocated to all Radio Control users many years ago. Much of the lower cost radio equipment produced still uses this band. Since the introduction of CB radio and radio controlled children's toys, the 27 MHz band has been subject to interference problems.

40 MHz is the latest band to be allocated and is for exclusive use in surface models. When purchasing new equipment the 40 MHz band is the best choice for model boats. Equipment is still more expensive than the 27 MHz band but the difference is shrinking.

UHF band (459 MHz) is once again a band allocated to all Radio Control users many years ago. It is rarely used and little commercial equipment has ever been produced. Equipment for the UHF band is hard to obtain and expensive.

2.4GHz is a new, but rapidly growing band which is shared by all RC model users. The specification includes the requirement for a Transmitter to seek an available free channel before starting to transmit, equally all Receivers are required to be 'bound' to a specific transmitter, and accept signals only from that transmitter. This means that the modeller does not need to check for an available frequency when ready to start sailing. This fact, coupled with some very reasonably priced sets from China, means that this is the fastest growing band.

ON NO ACCOUNT may the 35 MHz band be used. This band is reserved solely for the use of Aeromodellers and its use for surface craft is forbidden. You will also find equipment operating on other frequency bands, for example 72Mhz, advertised on on-line auction sites. This equipment cannot be legally operated in the UK, but it is legal to sell the equipment!

Other countries have frequency bands that differ from those in the UK. Increasingly these bands are being rigidly enforced. Regattas have been cancelled because of problems and there have also been instances where the authorities have confiscated equipment. It is essential that you check before you travel.

The following paragraphs are extracted from various OfCom/UKRCC publications.

The UK Radio Control Council wish to highlight that, to ensure safe operation, it is necessary under the codes of practice that no two modellers in the same local area attempt to use the same frequency at the same time. The Current UKRCC Codes of Practice defines local as being within three miles of each other.

Other links

[Frequencies available - 27mhz](#)

[Frequencies available - 40mhz](#)