

Technical – PSK31 Information

PSK31 is a new digital mode that combines the advantages of a simple variable length text code with the narrow bandwidth and weak signal detection of phase-shift keying (PSK) using DSP techniques. This mode is designed for "real time" keyboard operation and at a 31 baud rate is only fast enough to keep up with the typical amateur typist. PSK31 enjoys great popularity on the HF bands today and probably will become the standard for live keyboard communications. An error-reduction scheme (QPSK) can be used to further enhance the reception. Most of the ASCII characters are supported.

Frequencies for PSK31 QSO

The plan for PSK31 activity has always been (since PSK31 started) to concentrate activity starting from the bottom edge of the IARU RTTY BandPlan, expanding upwards as activity increased. The exception is in the 10mts band in order to give non full privileges ham to meet. It was defined as 150 Hz above it. Keep in mind that all you need is about 100 Hz as channel separation.

1838.150

3580.150

7035.15 for region 1 and region 3, and 7080.15 for region 2 *

10140.150

14070.150

18100.150

21080.150

24920.150

28120.150

* This is due to the fact that the 7 MHz band is much wider in region 2 (the Americas), and the IARU bandplan reflects this.

To download software and for more information, please visit www.psk31.com