

# JT65 – A WEAK SIGNAL MODE

The screenshot shows the MULTIPSK software interface. At the top, there's a menu bar with 'Configuration', 'Adjustments', 'Tools', 'Panoramic', and 'Help'. Below that is a status bar showing 'TCP/IP', 'Multidem', 'Transceiver', 'Country/Loc', 'World', 'QSO', 'Mail', 'Tune', 'Beacon', 'ID', 'CPU', and 'Level: 2%'. The main window is divided into several sections:

- Top Right:** A grid of mode buttons including BPSK31, QPSK31, PSKAM10, PACKET+APRS, RTTY 45, THROBX, PAX/PAX2, FM HELL, Filters, Professional modes, 63, 125, 250, CHIP, PSK63F, 31, 50, PSK220F, CW/CCW, Amtor, FEC, Navtex, ASCII, 50, 75, Amtor ARQ, Pactor1, DominoF, MFSK16+PIC, MFSK8, DominoEX, DTMF, VOICE, JT65, OLIVIA, Contestia, PSK H, FELD HELL, HELL 80, RTTYM, Analysis, Binaural, ALE400, 141A(ALE), HF FAX, and SSTV.
- Middle:** A waterfall display showing a spectrum of signals. The frequency range is from 200 to 2000 kHz. A signal is visible around 14.076 MHz.
- Bottom Left:** A log of received messages. The header includes 'Time', 'Sync', 'dB', 'DT', 'DF', 'Received message', 'Lat', and 'Long'. The log shows several messages from WB7AJP N8VZ 73, including 'Answer 1', 'Answer 2', 'Answer 3', and 'Answer 4'. The distance is listed as D=3384 Km (2103 mil.) and Az=299°.
- Bottom Right:** A control panel with buttons for 'To send', 'General control', 'Automat. TX', 'RX time + collision + mode', and 'AGC Grey'. It also shows the current time '19:42:52' and the call sign 'K3HLQ JT65'.

## Software

- [http://f6cte.free.fr/index\\_anglais.htm](http://f6cte.free.fr/index_anglais.htm)
  - MULTIPSK – Very good software, but user ugly and extremely difficult to setup. I've had about a half dozen JT65 QSOs with it. Most used frequency is 14.076.00.
- <http://www.physics.princeton.edu/pulsar/K1JT/wspr.html>
  - WSPR -- Nice piece of software. I haven't used it yet, because of interfacing problems with my rig. Uses a number of different frequencies, a list of which can be accessed here: <http://wsprnet.org/drupal/node/218>
- <http://www.w6cqz.org/>
  - JT HF – Alpha software. It's very elegant and allows you to upload your spots to a central database. You can get this software by signing up with your callsign at this site. I've not been able to get this to work with my rig for QSOs because it won't key my IC-7600 rig. I've used it several times for just monitoring the band. Most used frequency is 14.076.00.