WRTC 2006 Stations

Adapted from the WRTC2006 Web site.

To level the playing field, each WRTC2006 station will consist of the following:

Main Power

Each WRTC2006 station will have 220Vac/60 Hz power. The competitors will have to remember to change their rigs to 220V!

Antennas

Each WRTC2006 station will have three antennas available to cover the WRTC2006-allowable bands (80, 40, 20, 15 and 10 meters).

- 80 meters: Wire antenna
- 40 meters: Two-element shorty beam with a boom length of 22 feet. The longest element is 42.5 feet in length.
- 20 through 10 meters: ACOM LS86 8-element LPDA (Log Periodic Dipole Array) with a 21-foot boom. The longest element is 36 feet in length.

The accompanying photo shows the tower/antenna installation. The three coaxial feed lines from these antennas will terminate in a 3-way manual antenna switch.

A WRTC2006 tower/antenna Installation.

Towers

Each WRTC2006 station will have a 50 foot guyed tower. The two directional antennas will be mounted to a 10 foot steel pipe coming out of the rotator.

Amplifiers

Due to the distance from the Florianoplis area of Brazil to the main contest population areas of the world, and the fact that WRTC2006 will, for all intents and purposes, be run at solar minimum, each WRTC2006 station will have an ACOM 1010 linear amplifier (700W PEP/500W CW). NCJ