

Transtar equipment

In the radio room, you will find the following radios:

1. HF operation: ICOM 706MkIIIG for HF voice and Pactor 3 Airmail
2. VHF voice operation: An ICOM 2720 for each of the four quadrants for voice
3. VHF digital operation: Two VHF Airmail stations for digital messaging
4. 47MHz operation: One radio for American Red Cross



HF operation:

The ICOM 706 is connected to:

- An LDG Z-100 auto antenna tuner
- A trapped dipole for 40m and 80m on the roof at approx 40ft above ground level
- An SCS PTC-IIex for Pactor 1, 2, 3 operation



VHF voice operation:

Each 2720 is programmed identically. The frequency list includes all active repeaters in Houston, frequently used simplex frequencies and also the digital frequencies. Hard copies of the programmed frequencies are provided at each operating position.

The 4 quadrants, NW, SE, SW and NW, each have a dual band Yagi connected to the ICOM 2720 pointing along the center line of the quadrant. The yagis are Cushcraft 4 element yagis for both 146 and 440MHz. (model A27010S) The yagis are mounted approximately 40ft above ground.



All radios are fitted with filters in the antenna lines to notch out pager interference.



VHF digital operation:

Two Airmail stations are provided for VHF 1200 bps operation

- One uses an ICOM 208H and a KPC9612+ TNC and operates on 145.050 MHz
- The other uses the NE quadrant ICOM 2720 and a KAM-XL (which doubles as a hot spare for the SCS Pactor TNC) on 145.070 MHz

Both TNC's are also configured as digipeaters (TRANS)
Both stations are attached to dual band verticals

Go here <http://harriscountyares.org/dist14dig.htm> for training information.

47MHz operation:

A 47 MHz radio provides access to the American Red Cross nets and other agencies