

Antennas At K9STH



The main tower at K9STH consists of 54 feet (above ground) of Rohn 35 tower which is a tower that was specifically made for Motorola by Rohn. It is 15 inches on a side whereas Rohn 25 is 12 inches on a side and Rohn 45 is 18 inches on a side. The side-mounted antennas are (left side) 6-meter for FM operation and (right side) 10-meter for FM operation.

The bottom yagi is a 20-meter 3-element CushCraft yagi, the next antenna is a 2-element home brew 12 meter yagi, then comes a HyGain DB-1015 3-element dual-band yagi for 10 meters and 15 meters. Above that is a 3-element home brew 6-meter yagi and a pair of CushCraft 11-element yagis for 2-meters vertically polarized. Since this photograph was taken the 12 meter yagi has been replaced with a 27 element, simulated plane reflector, yagi.

The 2-meter beams are turned but not on purpose. For several years a pair of great horned owls have been visiting each fall and the force of their landings have turned the 2-meter antennas.

The antenna to the far right is a HyGain HyTower that is used primarily for 160, 80, 40, 30, 17, and 12 meter operation.



The "short tower" is 30 feet tall plus the mast. The bottom antenna is an 11-element 2-meter yagi, the middle antenna is an 11-element 222 MHz antenna, and the top antenna is a 3-element 6-meter yagi.

To the right is the full sized 40 meter yagi that is phased with the HyTower for 40 meter operation. The HyTower is pictured to the extreme right in the top photo.

