

## WTSP DTV RECEPTION TIPS

DTV reception can be adversely affected by multipath, which is ghosts and reflections of the transmitted signal. Though you cannot see these in a digitally delivered picture, they are still there. WTSP's transmit tower and antenna are not co-located with the other stations in the Tampa Bay area so we suggest you use either a rotor for positioning your antenna or a separate antenna pointed at our tower, in Holiday, Florida. Prior to June 12, 2009 you will need a UHF antenna as our digital signal is on UHF Channel 24. After June 12, 2009, you will need a VHF or Channel 10 antenna as we will move our digital channel to VHF Channel 10. We do not recommend using an omni-directional antenna. We recommend using a standard outdoor antenna, and often it will work quite well in your attic. If you elect to use a separate antenna in lieu of a rotor, which is usually the preferred method, we suggest you also use a separate coaxial download from this antenna to your DTV receiver. The use of combiners or channel filters to combine the two antennas may be possible but the results cannot be predicted as the effectiveness of this technique varies depending on where you live. Combining the signals from two antennas pointed in different directions can result in the creation of multipath, which will either totally prevent reception of our DTV signal, or make it intermittent. If your DTV receiver does not have two antenna inputs, you can use a coaxial switch. Remote controllable switches are available. Attached is a drawing of a system showing the components we recommend for a two antenna system.

### WTSP-DT Recommended Antenna Installation

