Notes from the shack...

Tonight (February 23, 2020) as part of the Sunday evening CARC Two Meter Net which meets at 1900 EST, CARC members demonstrated sending and receiving SSTV images (Slow Scan Television) over the air. The equipment on each end of the radio connection consisted of a Two Meter FM amateur radio transceiver, a personal computer, a PC Sound Card, and some free software called MMSSTV.

The next two images are shown as they were received, without touch-ups or other editing.

Picture 1: Image received over the airwaves by KB3PQT from AF3I

Picture 2: Image received over the airwaves by AF3I from KB3PQT

Picture 3: Screen snapshot of a template created for the 2nd image sent to AF3I from KB3PQT

Slow Scan Television is compatible with Amateur Radio transmissions in the High-Frequency spectrum (HF) and Very High Frequency spectrum (VHF) because it uses modulation techniques that consume no more bandwidth than a voice transmission would consume. FCC regulations permit Amateur Radio Operators to transmit fast-scan television images at higher frequencies in the UHF spectrum where greater signal bandwidth is permitted.

Each of the images shown in this post was transmitted in about one minute. I think our readers are familiar with the old saying ï A Picture Is Worth A Thousand Words. Few among us could deliver a one thousand word monologue in a minute or less. In that sense, sending a SSTV image compared to speaking 1,000 words actually conserves the radio spectrum.

See ýa down the log.
Frank KB3PQT