

# Twin Delta Antenna with Phase Feeding Elements for the 20 meter Band

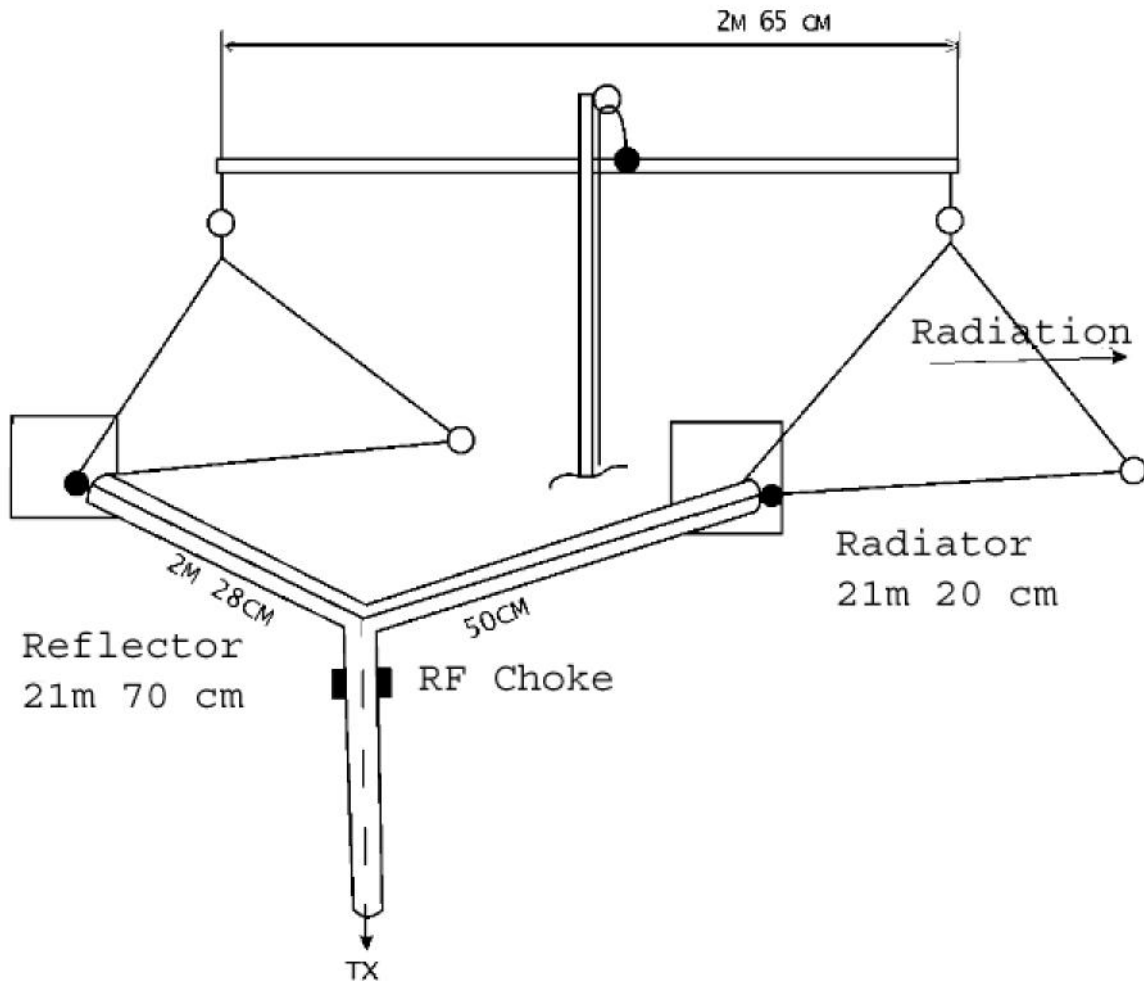
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An efficiency antenna for the 20- meter band is a Twin Delta Loop with phase feeding elements. **Figure 1** shows design of the antenna. The antenna elements made of from copper wire in diameter of 2.5-mm (10- AWG). For phase line and feeder of the antenna it is used 75- Ohm coaxial cable. Antenna installed at 7- meter height wooden mast (length up to upper horizontal rod). An RF Choke is installed at the phase line.

RF choke may be made as 6 turns wound by the feeding coaxial cable on a ferrite ring in diameter of 30- 40- mm. It is possible use a ferrite ring from a TV yoke. Antenna was tuned to the resonance by changing the length of the antenna elements. After final tuning antenna had SWR 1.0:1.0. Bandwidth of the antenna was near 200- kHz.

*73! de RV3ZH*



**Figure 1** Twin Delta Antenna with Phase Feeding Elements for the 20 meter Band