

Receiving/Transmitting Mobile Antenna Description for ARCE Satellites

Each of the 3 ARCE Satellites will be equipped with 2 deployable quarter wave monopole antennas on opposite ends of the satellite. One monopole is for transmission and one monopole is for reception.

This document pertains to the mobile antenna on ARCE Satellites used for reception. The receiving monopole will receive satellite to satellite or Cross Link Communications occurring from 2449.0000 MHz – 2449.5630 MHz. It will also receive signals from the fixed antenna at 1925 E 2nd Avenue, Tampa FL, 33605 (2416.7185 MHz – 2417.2815 MHz) known as the Uplink.

The Range of the Operation this mobile antenna for reception is defined by the line of sight between the fixed station at 1925 E 2nd Avenue, Tampa FL, 33605 and the monopole antennas on the ARCE satellites.