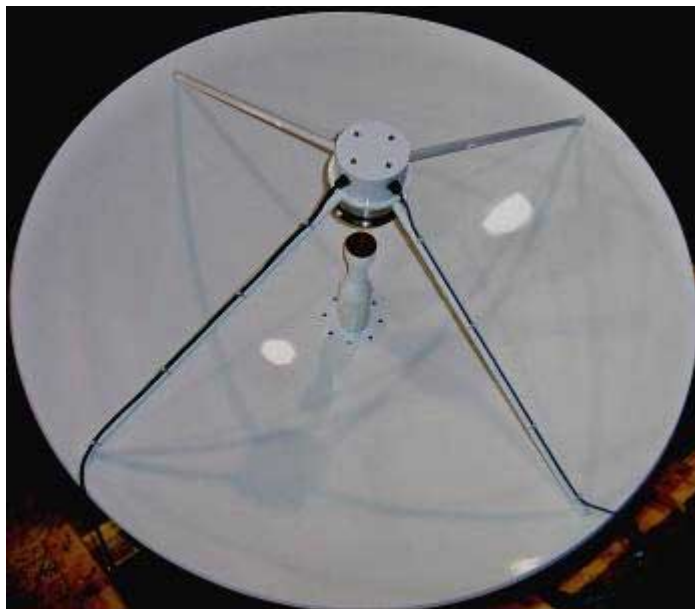




Model: CCR5-200297-WR

**1.5m K/Ka-band RHCP Co-polarized
Conscan Cassegrain Antenna**

The photograph below depicts the mWAVE Industries, LLC Model CCR5-200297-WR high-performance 1.5m K/Ka-band transmit and receive conscan Cassegrain antenna. This antenna was designed to meet stringent sidelobe requirements while maintaining a transmit gain in excess of 50 dBic. The transmit VSWR is 1.17:1 maximum. The main reflector is a low-RMS lightweight composite with integral mounting hub for direct attachment to a tracking pedestal. The RF inputs to the Cassegrain feed system are WR42 and WR28 cover flanges located behind the vertex of the main reflector. The WR42 RF port operates from 19.7 to 20.2 GHz. The WR28 RF port operates from 29.5 to 30.0 GHz. Both bands are right hand circularly polarized with exceptional axial ratio performance. The antenna is configured for minimal crossover loss and a scan rate of 1800 RPM. The conscan drive is powered by a 115 VAC 60 Hz synchronous motor. Revolution feedback is accomplished via an inductive proximity sensor. The fully assembled antenna weighs less than 40 pounds. The finish is white paint color No. 17875 per FED-STD-595.



Please contact mWAVE Industries, LLC for your antenna development needs.