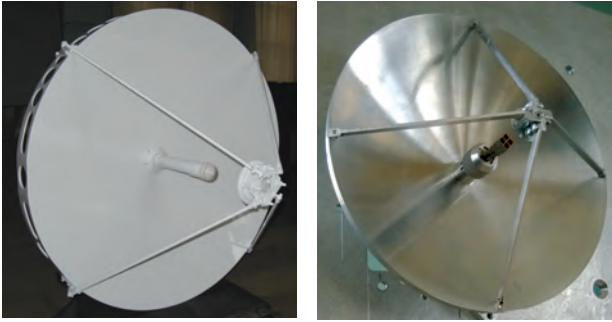


## REFLECTOR AND OTHER TYPES OF ANTENNAS



Ka-band Cassegrain antenna (1 m diameter, 49 dBi,  $0.6 \times 0.6^\circ$ , SLL < -18, 2 polarizations) (left) and W-band Cassegrain antenna (0.2 m diameter, 40 dBi,  $1 \times 1^\circ$ , monopulse) (right)

## Areas of Application

Weather radars, etc

## Specification

Frequency range from 1 to 100 GHz;  
customized configuration

## Advantages

The Cassegrain dual reflector antennas produce axially-symmetric beam with a high gain within a relatively wide frequency band. The antennas can be equipped with orthomode transducer for polarimetric application or configured for monopoles operation; various types of the horn antennas produce stable and well-reproducible antenna pattern; the broadband (0.4–18 GHz) omnidirectional coverage combined antenna system is used in advanced



Omnidirectional coverage broadband antenna system (0.4–18 GHz)

### Stage of Development. Suggestions for Commercialization

IRL8, TRL7  
Manufacture, delivery, warranty service,  
and staff training, upon request

## IPR Protection

IPR1

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