

# RADIO ANTENNA WITH IMPROVED FEED SYSTEM

Tech ID: 17507 / UC Case 2005-071-0

## ABSTRACT

Log-periodic antennas are capable of transmitting and receiving signals across a large bandwidth. However, their bandwidth range can be too large for the entire signal to be simultaneously digitized.

To address this issue, researchers at UC Berkeley have developed an innovative feed for broadband antennas. This feed converts the broadband radio signals such that they can be more readily digitized and processed.

## APPLICATIONS

- Radio communication especially spectrophotometry and polarimetry
- Commercial satellite dish technology

## ADVANTAGES

- Low cost, efficient design
- Improved feed bandwidth resulting in superior antenna performance

## PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	7,609,220	10/27/2009	2005-071

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## OTHER INFORMATION

### CATEGORIZED AS

- » **Communications**
  - » Other
- » **Imaging**
  - » Other
- » **Research Tools**
  - » Other
  - » Vectors

### RELATED CASES

2005-071-0

### RELATED TECHNOLOGIES

- [Radio Antenna With Improved Support System](#)