

# Long Lines site: Brinktown, Missouri

- **Common Language Identifier:** BRTWMO
- **Coordinates:** 38°8'16.15" N, 92°4'53.00" W (38.137819 N, 92.081389 W)
- **County:** Maries
- **AT&T call sign:** KAK80 (inactive)
- **Antenna Structure Registration (ASR):** [1005484](#)
- **Height (overall):** 81.7 meters (268 feet)
- **Current owner:** State of Missouri (Missouri Statewide Interoperability Network)
- **Currently in use?** MOSWIN repeater
- **Horn antennas?** No
- **Original hops:** [Barnett](#), [Rosati](#)

Around 1963, an unmanned microwave repeater site was constructed near Brinktown in rural Maries County, Missouri, as the sixth hop east of Kansas City on a telephone/television microwave route between the Kansas City district office and Halifax on the eastern side of the state. From Halifax, the route continued across the Mississippi River to Oakdale, Illinois.

The site consists of a "semi-hardened" base station, a common design along the Kansas City-Halifax route. Atop a self-supported, 268-foot tower were originally four KS-15676 horn-reflector antennas. One pair were aimed northwest at Barnett, and the other pair aimed southeast at Rosati.

After AT&T retired the Long Lines terrestrial microwave system in favor of fiber optic cables and satellites, the site was sold to McCullough Comsites, who leased tower space to users. The State of Missouri later purchased several of the ex-AT&T sites from McCullough for use with the Missouri Statewide Interoperability Network, which allows various public safety agencies, such as law enforcement and fire departments, the ability to communicate with each other.

Like other MOSWIN sites, the original horn-reflector antennas were removed to make way for dipole arrays to communicate with MOSWIN users' land mobile radios. Brinktown also has four shrouded parabolic dishes to talk with surrounding MOSWIN repeaters in Linn and Jefferson City.

## Online site page:

<https://personal.garrettfuller.org/blog/att-long-lines/missouri-long-lines-sites/long-lines-site-brinktown-mo/>

**Photos: August 21, 2024**



*Site seen from the southwest on Maries County Road 613. The site's original horn-reflector antennas have been removed to make way for dipole array antennas (seen at and near the top of the tower) and shrouded parabolic reflectors used by the MOSWIN public safety radio system.*



*Semi-hardened (2 PSI overpressure) concrete base station with blast shield seen along right edge.*

HORNS ACROSS MISSOURI: Brinktown



*Tower with two dipole array antennas and three shrouded parabolic antennas.*