

May 23, 2023

KXNG Directional Antenna Installation Certification

As the MyBridge Radio KXNG project engineer, I was responsible for the correct placement of the KXNG directional FM antenna. This antenna was installed on an existing tower, ASR 1028583, owned by Nebraska Rural Radio Association, south of Lexington, NE, over the course of two days, May 2nd and 3rd, 2023.

The tower was surveyed by a Licensed Registered Land Surveyor to determine the orientation of the tower. This information was sent to Propagation Systems, Inc (PSI), the manufacturer of the directional antenna. The antenna was built using this data, and exact instructions were provided by PSI for placement of this antenna on the tower.

These instructions were followed as the antenna was placed on the tower. The antenna was designed to be face mounted on the tower face opposite the North 85 degree leg, which orients the antenna at 265 degrees North. (See PSI Certification Data), and a center of radiation of 269 feet.

The installation was then verified by a Licensed Registered Land Surveyor.

I verify that the KXNG directional FM antenna was installed on the tower, ASR 1028583, in accordance with the instructions sent by PSI.

A handwritten signature in black ink, appearing to read 'Jeff Heins', with a stylized flourish at the end.

Jeff Heins
Engineer
MyBridge Radio Network
888-627-1020
Jeff@MyBridgeRadio.net