

# Amateur Radio Station KL7AR

## A Galvanized Steel Application Report



### SUBJECT

The Amateur Radio Station KL7AR reaches listeners all over Eagle River, Alaska. Little do they know, this structure was designed with galvanized steel to protect it from the harsh Alaskan environment. The galvanized radio tower also delivers maintenance-free performance despite the complex distribution challenges of the towers themselves.

### ENVIRONMENT

Alaska boasts a rugged and harsh environment, but the use of hot-dip galvanized steel on this radio tower will provide the necessary corrosion protection for over 50 years. All of the tower legs, braces, mounting plates, and fasteners were hot-dip galvanized to deliver protection in a setting where weather extremes are notorious.

### DETAILS

Most communication towers are produced on the east coast and purchased by private individuals and companies around North America for ham radio, wireless Internet, live web cams, and pager service. The KL7AR tower shipped in knock-down form on two pallets, providing substantial shipping and handling savings over single- or double-piece shipping. Only the durable HDG coating would allow for such shipping, handling, final field assembly, and erection with little or no touch-up required. Of additional benefit is its aesthetic appearance, complementary to the wonder of nature on this last frontier.

