

VHF Antenna for EAS



This antenna is designed to receive VHF signals to use with EAS receivers. It is tuned to the Weather Band but is also capable of receiving FM broadcast signals. The antenna was originally designed as a 2-Meter Amateur Radio antenna by F.C. Judd, G2BCX and is known as a “Slim Jim” antenna. It is vertically polarized and has a very narrow angle of radiation, about 8 degrees toward the horizon. As such it has gain over a $\frac{1}{4}$ wave antenna and even a $\frac{5}{8}$ wave antenna. The amount of gain has not been documented to my knowledge.

The antenna can be shipped without mounting hardware, a zinc plated mount or a stainless steel mount. The marker tape near the bottom of the antenna is the maximum height of the supporting mast. The coax connection is at the bottom of the antenna and is an “F” connector. 75 ohm coax can be used to connect to the receiver or split between several receivers.

The antenna can be opened and the insides removed if repairs need to be made. It is designed to be weatherproof.

Pricing (not including shipping) is as follows:

\$105.00 – without mounting hardware (for masts larger than 2”, you’ll need your own mount)

\$120.00 – zinc plated mounting hardware (for masts up to 1.8”)

\$150.00 – stainless steel mounting hardware (for masts up to 2”)

The antenna is approximately 85” tall and 1” in diameter. It weighs 2.5 lbs.

Shipping is not trivial due to the size of the antenna, so be aware of that.

The antenna can be ordered from Beckwith Technical Systems. The email address is kebeckwith@gmail.com.