

NVIS Antenna Options

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There are several antennas that can be used for NVIS.

1. A dipole made from 2 'hamstick' type antennas (75 and 40M) fed with coax. They would be mounted on a pole that gets them up between 10 and 20 feet. Painter's extension poles work well but will need to be attached to a fixed post or guyed. TV mast sections (5 or 10 ft lengths) or PVC piping can also be used.
2. Two dipoles one cut for 40 M and another for 75 M. Again a PVC or painter's pole for supporting them in the center. The dipoles are crossed (i.e. at 90 degrees to each other) and the ends run down towards the ground acting as guy wires. The very end of the dipoles should be connected to a non conducting cord and kept as high above the ground as easily possible.
3. Buy 85 feet of "zip" (lamp) cord (14 or 16 Ga) and separate the wires. One of the wire ends goes to the center hole in the antenna output of an antenna tuner. A banana plug fits well. Get the other end up 10 to 20 feet if possible. The other piece of wire should be connected to the ground on the tuner and can be elevated or laid on the ground.

Google NVIS antennas for more options. The following is a good start:

<http://www.athensarc.org/nvis.asp>

73,

Steve