

Wire Antenna Calculator

https://www.westmountainradio.com/antenna_calculator.php

Specs for a 20 meter flat-top dipole cut for 14.300 MHz

Full length of dipole - 32 ft. 8.8 inches | Each Leg - 16 ft. 4.4 inches

Specs for a 20 meter inverted V cut for 14.300 MHz

Full Half-Wave Invert Vee - 32 ft. 0.8 inches | Each Leg - 16 ft. 0.4 inches

Minimum vertical height - 6 ft. 0 inches

Minimum horizontal spread - 29 ft. 8.4 inches

Specs for a 40 meter flat-top dipole cut for 7.200 MHz

Full length of dipole - 65 ft. 0 inches | Each Leg - 32 ft. 6 inches

Specs for a 40 meter inverted V cut for 7.200 MHz

Full Half-Wave Invert Vee - 63 ft. 8.4 inches | Each Leg - 31 ft. 10.2 inches

Minimum vertical height - 11 ft. 10.8 inches

Minimum horizontal spread - 59 ft. 1.2 inches

NVIS Emergency Antennas

<http://static.dxengineering.com/pdf/WP-NVIS-Rev2.pdf>

<http://www.w0ipl.net/ECom/NVIS/nvis.htm>

<http://www.hamuniverse.com/k6sojnvis.html>

Commercially Made Wire Antennas

<http://alphaantenna.com/>

<https://www.alphadeltaradio.com/>