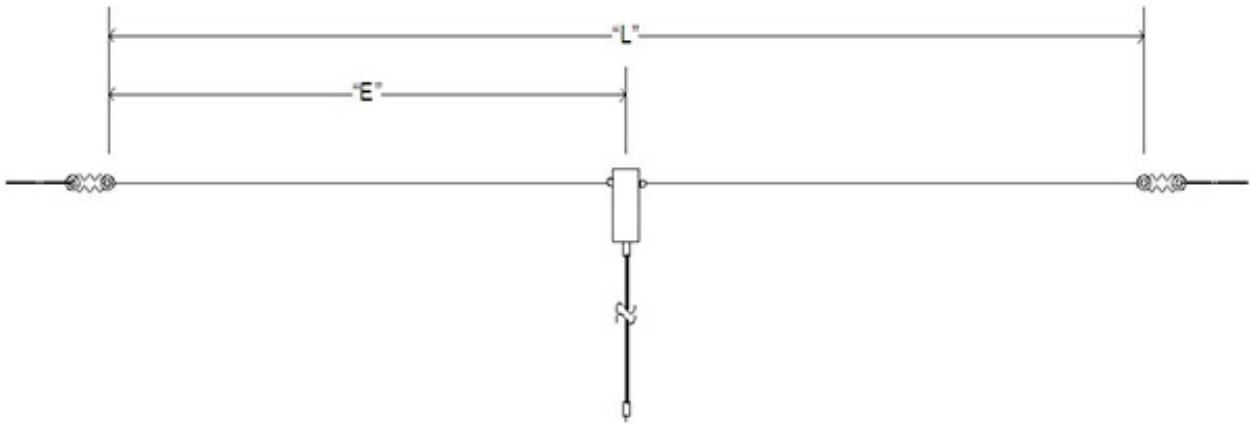


Half-Wave Dipole Formula



Real World Formula

$$234 / \text{MHz} = \text{feet}$$

MHz = frequency

feet = length of each half of dipole ("E" in diagram)

Example

What is the approximate length, in inches, of a half-wavelength 6 meter dipole antenna?
(T9A09)

6 meters starts at 50 MHz.

$$234 / 50 = 4.68 \times 12 \text{ inches} = 56.16 \text{ (length "E" in inches)} \times 2 = 112.32$$