

124.5 Foot (37.95m) End-Fed Long Wire Antenna 160-6m

Counterpoise Wires
 3 wires fed away opposite
 [or at least 90 degrees]
 from the main antenna wire

Use wire lengths of 66, 45
 and 30 feet for 80-6m

For 160-6m use an additional 4th wire
 of 120 feet in length

Wires should be 1 foot above ground
 level and can be spread randomly

**Example of Expected
 *SWR Readings with ATU in
 the 'Through' Position**

160m	- 1.3:1
80m	- 1.3:1
60m	- 1.2:1
40m	- 1.3:1
30m	- 1.7:1
20m	- 1.6:1
17m	- 1.8:1
15m	- 1.6:1
12m	- 1.4:1
10m	- 1.1:1
6m	- 1.4:1

Insulator
 Main antenna wire insulated
 from the tower

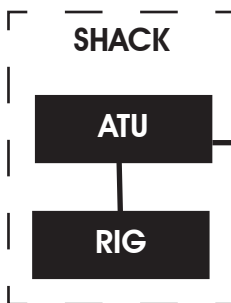
Tower or Mast

Main Antenna Wire
 124.5 Feet Long

**Counterpoise Wires
 Should NOT Touch
 The Ground!!**

50 ohm Coax to ATU
 Keep run as short as possible
 and use premium quality coax

Minimum 90°



Output of 9:1 Un-un
 Wooden Post

* Not guaranteed as every installation is different. SWR will depend on how good the counterpoise radials are