

Simple Vertical Monoband Antenna for HF Band

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The simple antenna was tested in field condition on 80 and 40- meter Band. The antenna shows good result in the Air. **Figure 1** shows design of the antenna. **Table 1** shows dimension of the antenna for 80 and 40- meter band.

Antenna is very simple to do. Mast of the antenna may be made from a fishing rod or any suitable tree may be used for this purpose. Antenna is tuned for working frequency by changing of the length of the horizontal counterpoises.

Figure 2 shows SWR of the Simple Vertical Antenna at the 80- meter Band. **Figure 3** shows DD of the Simple Vertical Antenna at the 80- meter Band. **Figure 4** shows the Simple Vertical Antenna at the 80- meter in the field conditions. **Figure 5** shows feeding of the Simple Vertical Antenna.

Table 1

Dimension of the Simple Vertical Antenna for the 80 and 40- meter band

	40 M	80 M
L	5.91 m	12.59 m
C	10.98 m	18.45 m
H	6.36 m	11.25 m

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MMANA File of the Simple Monoband Antenna for the 80- meter Band may be downloaded at:
http://www.antentop.org/022/UA6BFE_022.htm

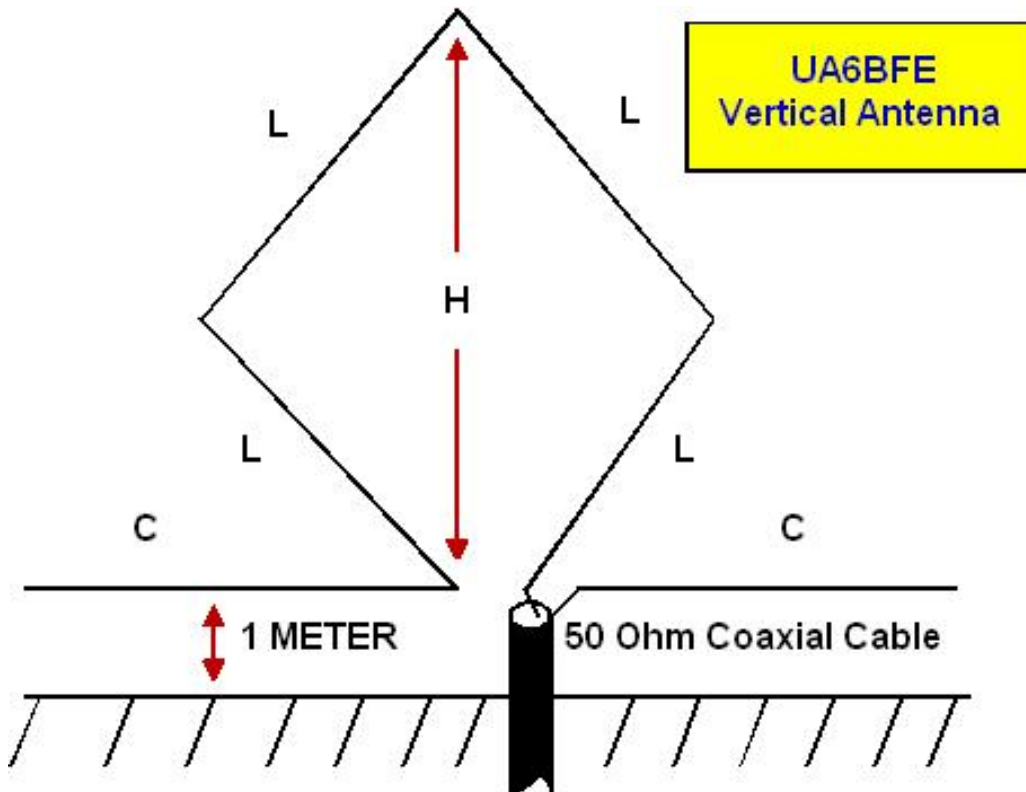


Figure 1

Simple Vertical Monoband Antenna for HF Band

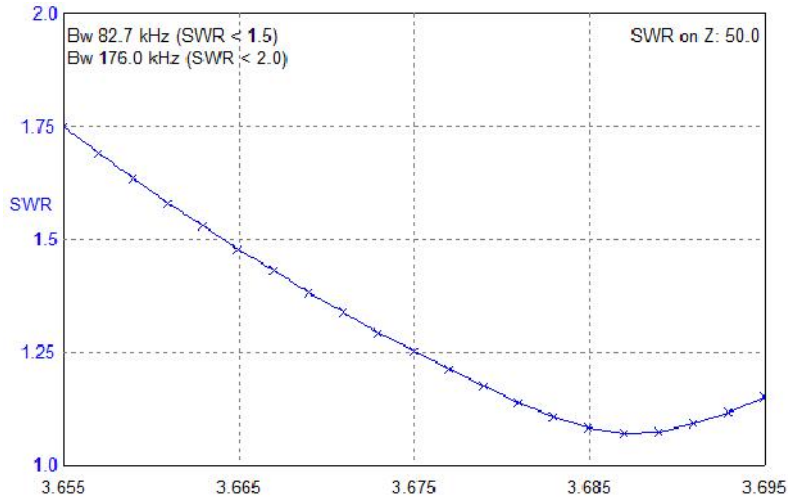


Figure 2 SWR of the Simple Vertical Antenna at the 80- meter Band

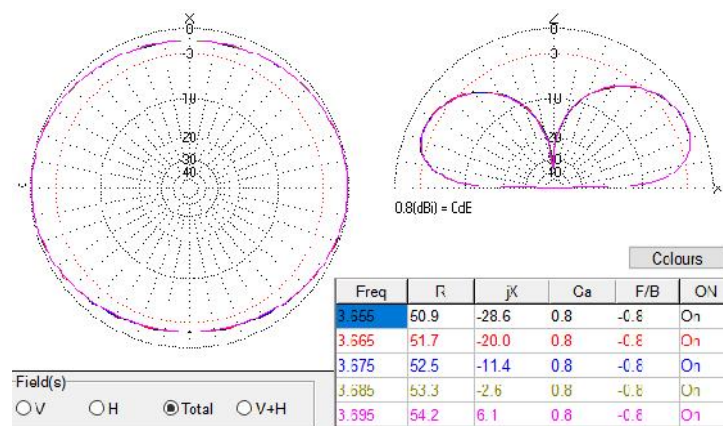


Figure 3 DD of the Simple Vertical Antenna at the 80- meter Band



Figure 4 Simple Vertical Antenna at the 80- meter in the field conditions



Figure 5 Feeding of the Simple Vertical Antenna