

UA4WI Vertical Antenna for 20 and 10- meter Band

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It is very simple no counterpoises antenna can work on 20 and 10 – meter band. Antenna may be placed either in vertical or in horizontal position.

Figure 1 shows design of the antenna. Figure 2 shows SWR the antenna on 20 meter band. Figure 3 shows SWR the antenna on 10 meter band. Figure 4 shows DD the antenna on 20 meter band. On the 10 meter band the DD is a little worst.

However, it would be wise to simulate the parameters of the antenna at the real installation.

Parameters of the antenna were simulated in vertical position and when the low point of the antenna is placed at 2- meter above the ground.

73! UA4WI

MMANA file for the antenna may be downloaded at http://www.antentop.org/023/UA4WI_023.htm

Credit Line: Forum at WWW.CQHAM.RU

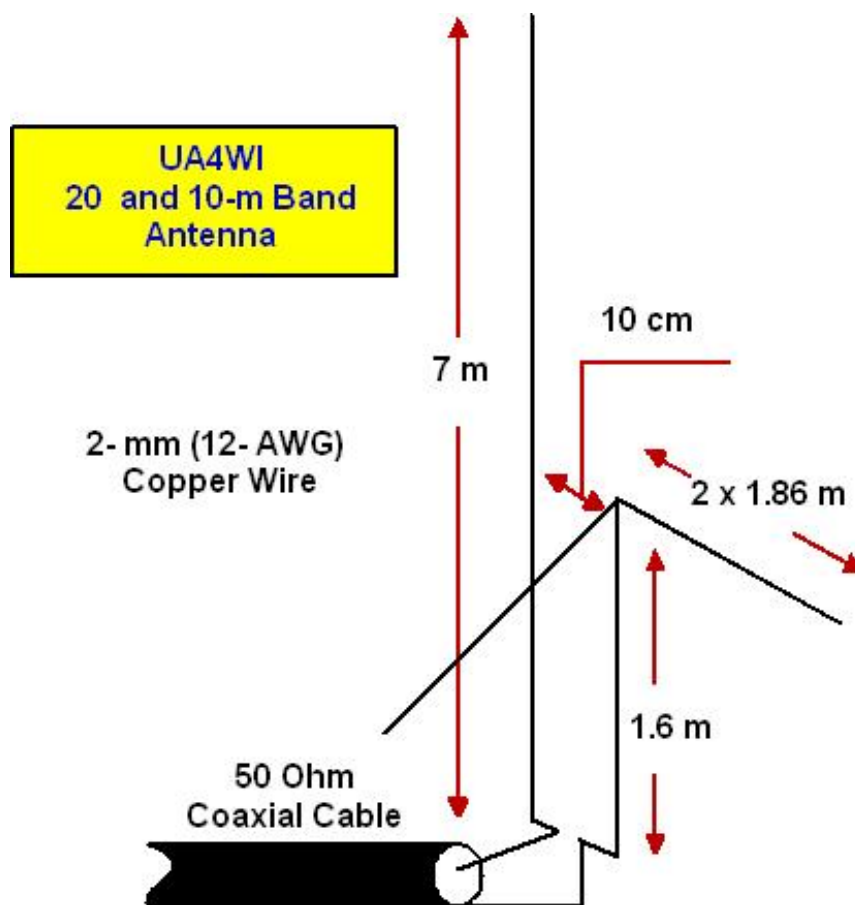


Figure 1 UA4WI Vertical Antenna for the 20 and 10- meter Band

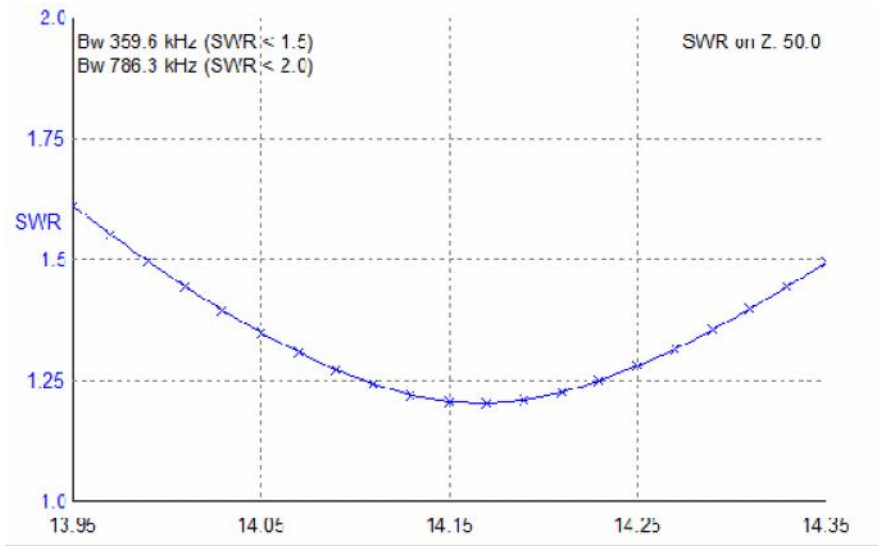


Figure 2 SWR of the UA4WI Vertical Antenna for 20 and 10- meter Band on 20 meter band

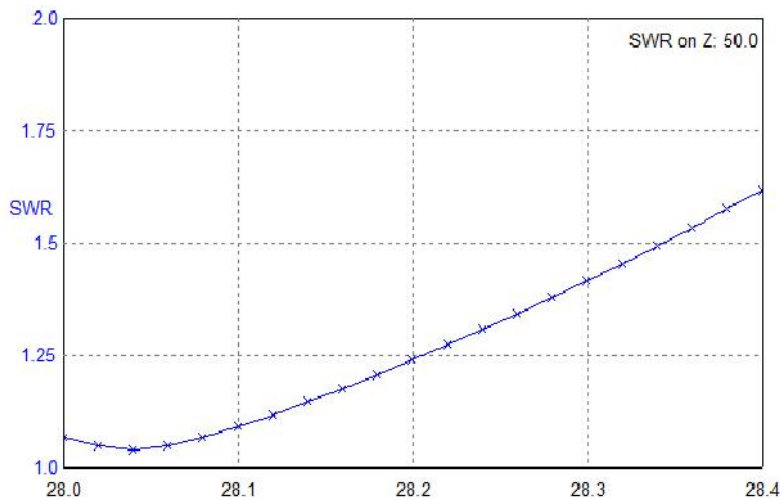


Figure 3 SWR of the UA4WI Vertical Antenna for 20 and 10- meter Band on 10 meter band

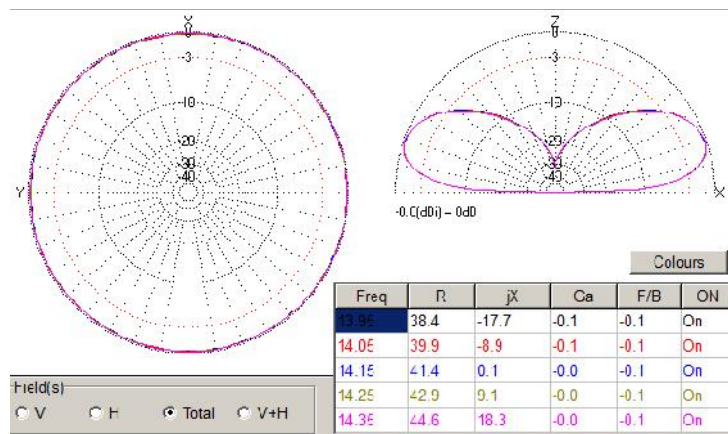


Figure 4 DD of the UA4WI Vertical Antenna for 20 and 10- meter Band on 20 meter band.