

RW4HFN Vertical Clip Antenna for 145 and 435- MHz

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It is very simple antenna that has shape of a vertical paper clip can work at 145 and 430- MHz. **Figure 1** shows design of the antenna. Counterpoises allow tune the antenna in the needed band on 145 (long counterpoise) or at 435- MHz Band (short counterpoise). The tuning almost cannot interfere each of the band.

Figure 2 shows Z of Vertical Clip antenna for 145/435- MHz at 145- MHz band. **Figure 3** shows SWR of Vertical Clip antenna for 145/435- MHz at 145- MHz band.

Figure 4 shows DD of Vertical Clip antenna for 145/435- MHz at 145- MHz band.

Figure 5 shows Z of Vertical Clip antenna for 145/435- MHz at 435- MHz band. **Figure 6** shows SWR of Vertical Clip antenna for 145/435- MHz at 435- MHz band. **Figure 7** shows DD of Vertical Clip antenna for 145/435- MHz at 435- MHz band.

73! de RW4HFN

MMANA files for Clip Antenna made of wire in diameter 4. 6 and 8- mm may be downloaded at: http://www.antentop.org/024/RW4HFN_Verical_Clip_024.htm

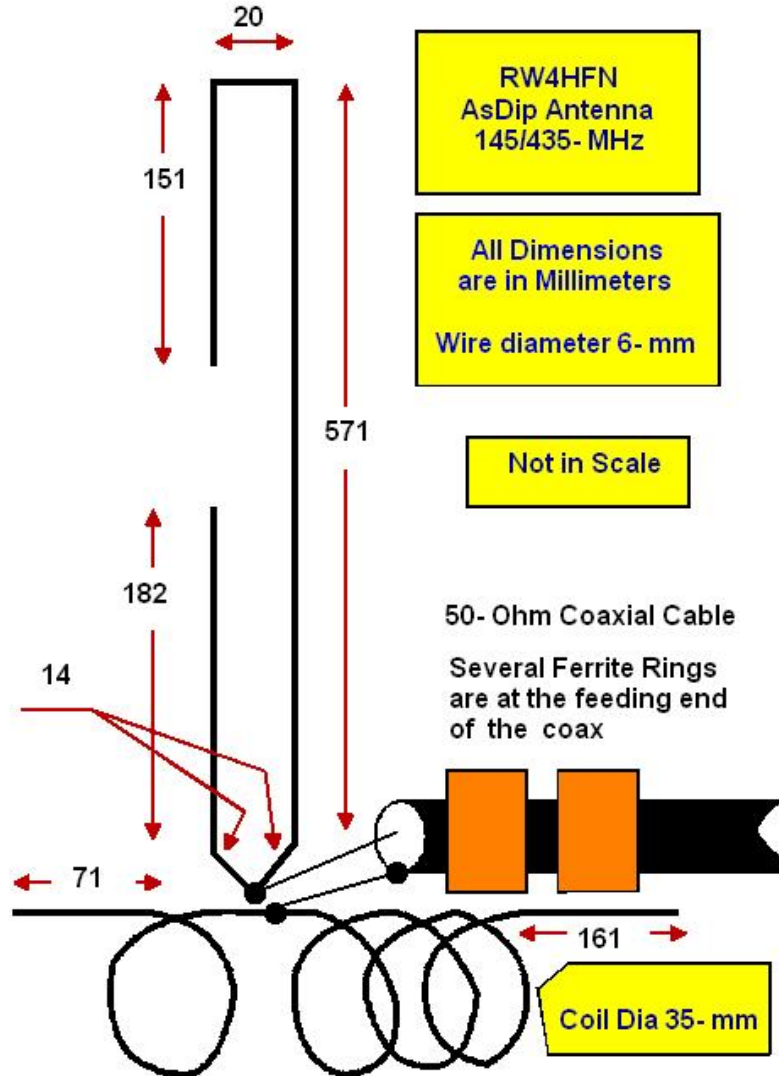


Figure 1 Vertical Clip antenna for 145/435- MHz Band

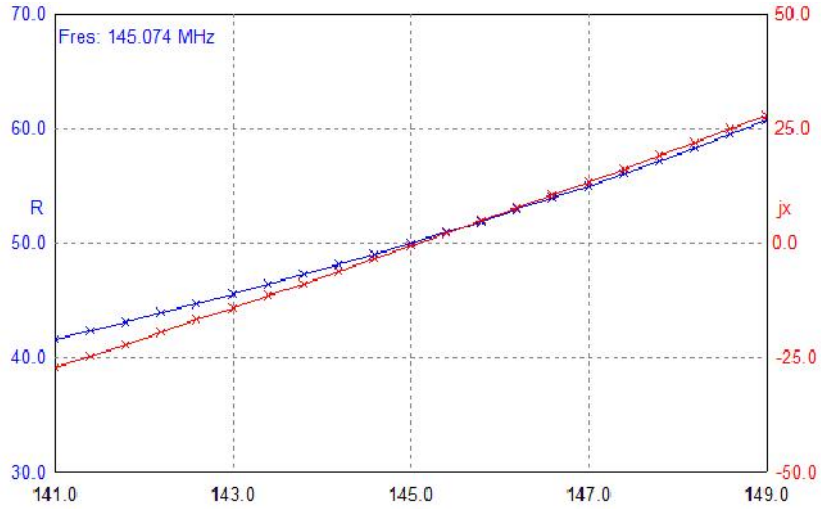


Figure 2 Z of Vertical Clip antenna for 145/435- MHz at 145- MHz band

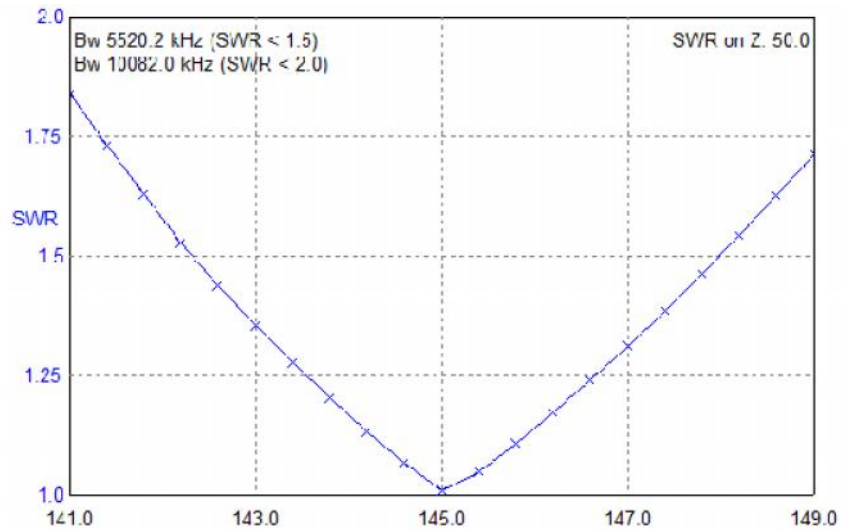


Figure 3 SWR of Vertical Clip antenna for 145/435- MHz at 145- MHz band

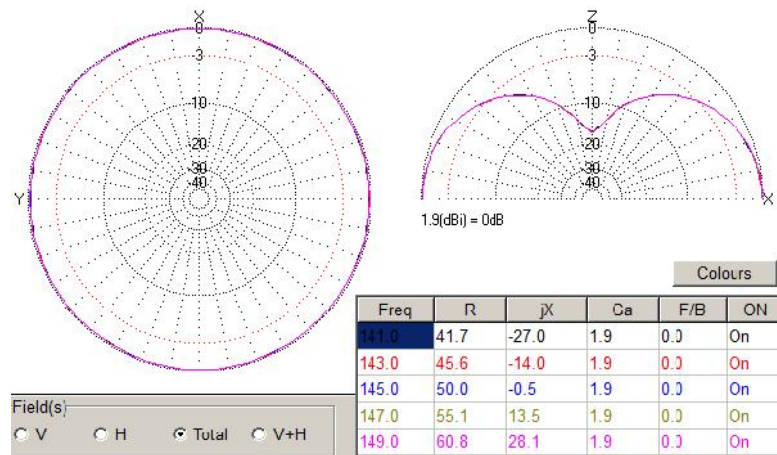


Figure 4 DD of Vertical Clip antenna for 145/435- MHz at 145- MHz band

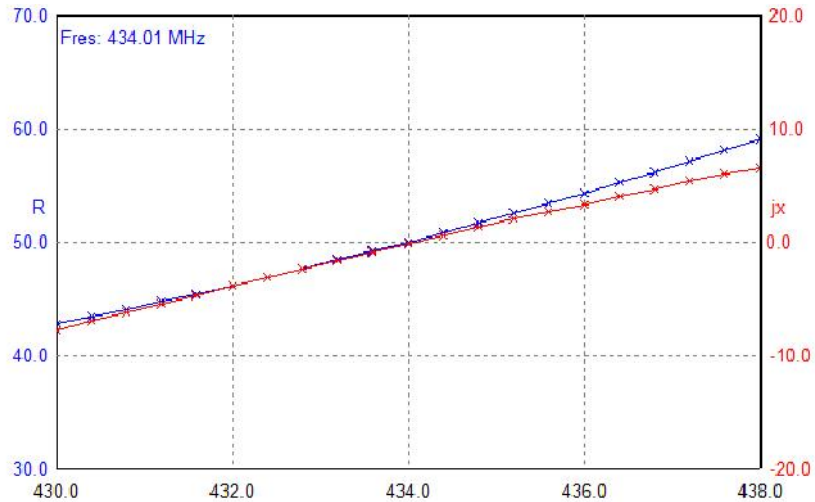


Figure 5 Z of Vertical Clip antenna for 145/435- MHz at 435- MHz band

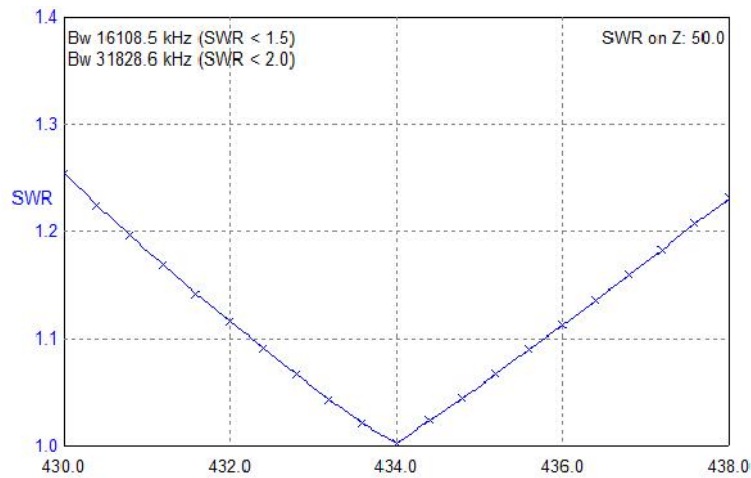


Figure 6 SWR of Vertical Clip antenna for 145/435- MHz at 435- MHz band

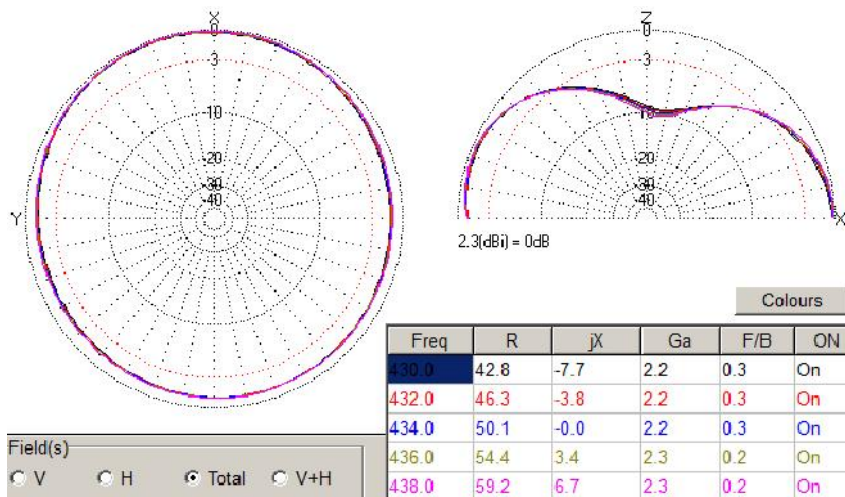


Figure 7 DD of Vertical Clip antenna for 145/435- MHz at 435- MHz band