

Inverted L Antenna for the 160, 80 and 40- meter Band

The publication is devoted to the memory UR0GT.

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Near already existing 10- meter TV metal mast it is possible to install IL antenna that will work at 160, 80 and 40- meter Band. Figure 1 shows design of the antenna. The mast is director at the antenna for the 160 and 80 – meter Band, so maxima radiation is directed to the mast. At the 40 meter Band the mast is reflector, so maxima radiation is directed in the opposite side of the mast. For each working band of the antenna an individual matching circuit is used.

Figure 4 shows DD of the Inverted L Antenna for 160-meter Band

Figure 5 shows Z of the Inverted L Antenna for 80-meter Band. Figure 6 shows SWR of the Inverted L Antenna for 80- meter Band. Figure 7 shows DD of the Inverted L Antenna for 80- meter Band.

Figure 2 shows Z of the Inverted L Antenna for 160-meter Band. Figure 3 shows SWR of the Inverted L Antenna for 160- meter Band.

Figure 8 shows Z of the Inverted L Antenna for 40-meter Band. Figure 9 shows SWR of the Inverted L Antenna for 40- meter Band. Figure 10 shows DD of the Inverted L Antenna for 40- meter Band.

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The MMANA models of Inverted L Antenna for 160, 80 and 40- meter Band may be downloaded at : http://www.antentop.org/025/ur0gt_IL_025.htm

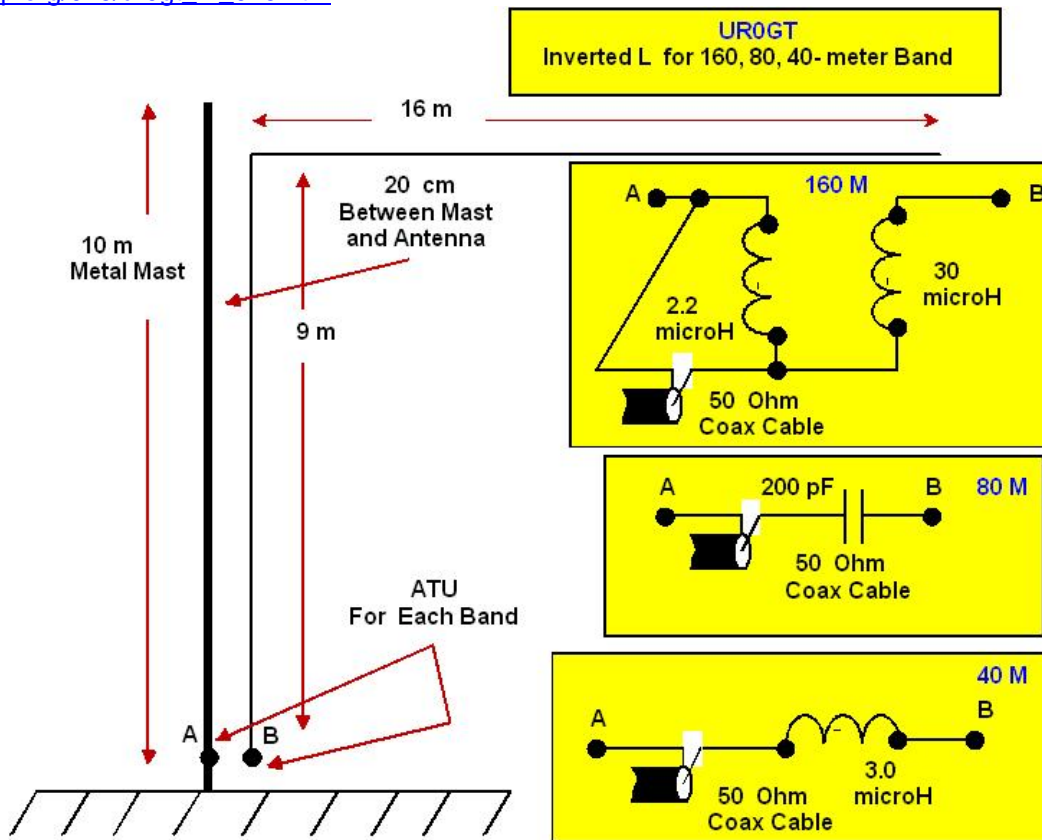


Figure 1 Inverted L Antenna for 160, 80 and 40- meter Band

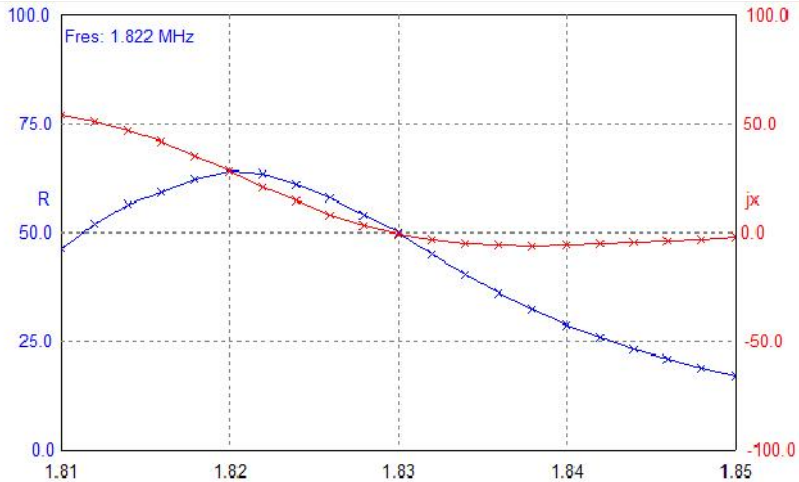


Figure 2 Z of the Inverted L Antenna for 160- meter Band

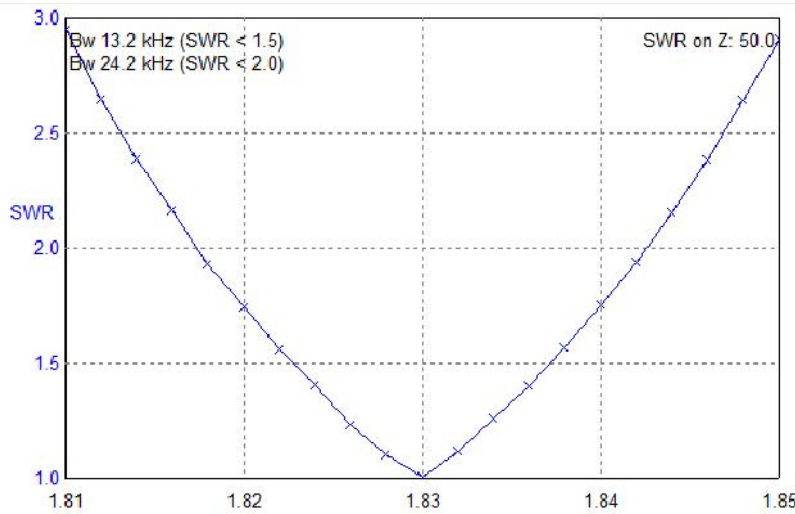


Figure 3 SWR of the Inverted L Antenna for 160- meter Band

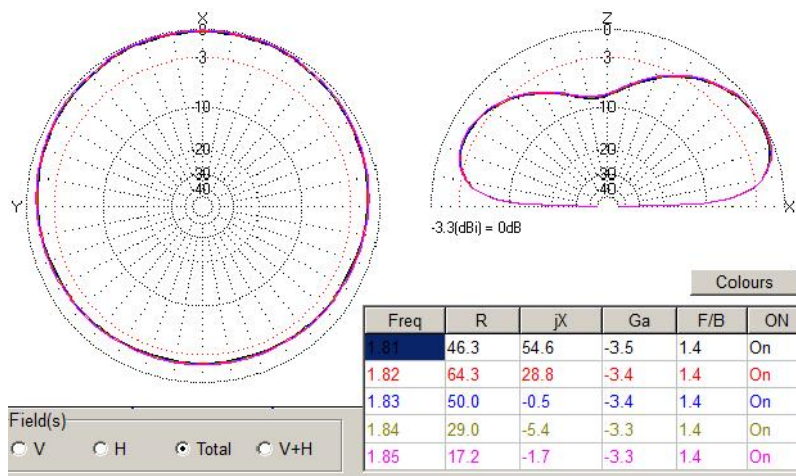


Figure 4 DD of the Inverted L Antenna for 160- meter Band

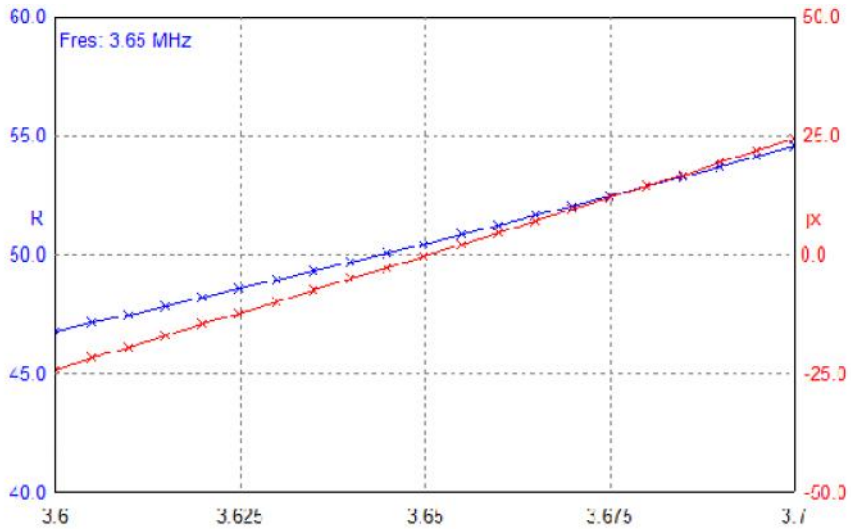


Figure 5 Z of the Inverted L Antenna for 80- meter Band

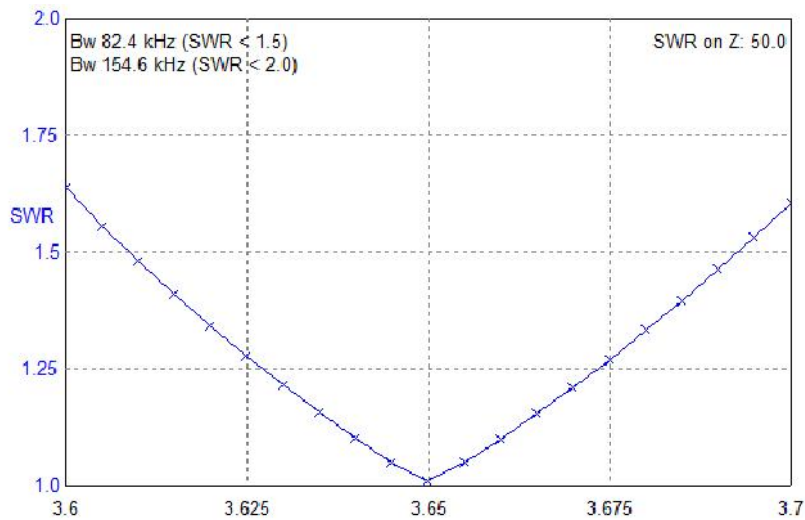


Figure 6 SWR of the Inverted L Antenna for 80- meter Band

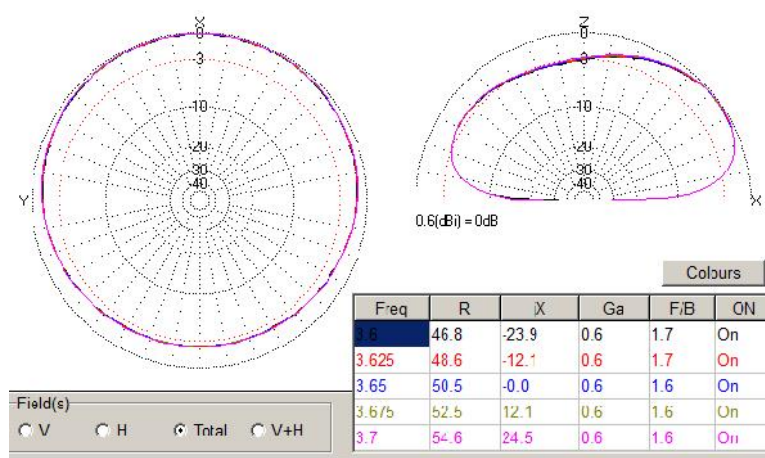


Figure 7 DD of the Inverted L Antenna for 80- meter Band

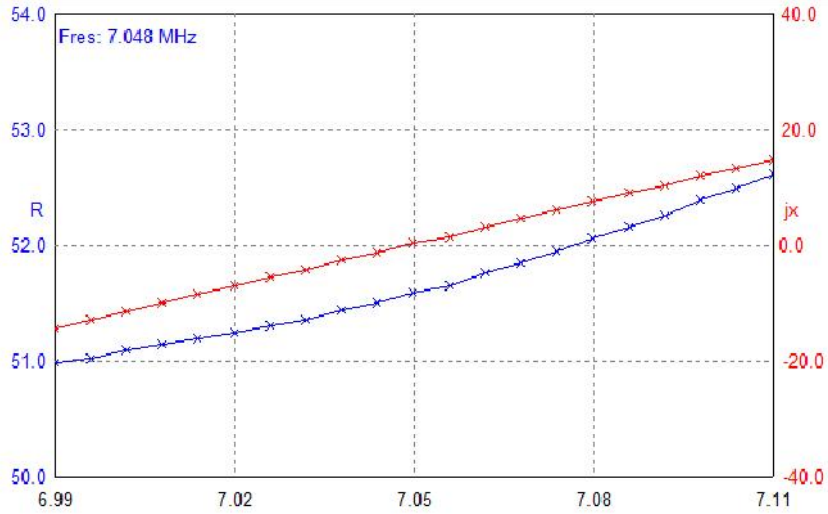


Figure 8 Z of the Inverted L Antenna for 40- meter Band

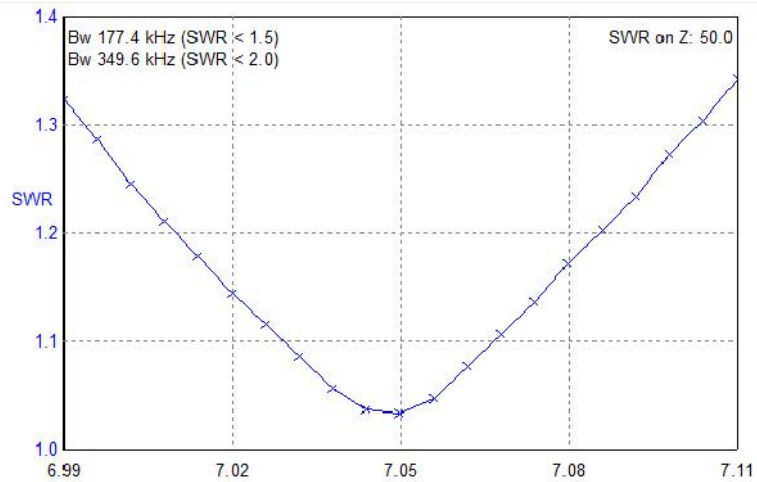


Figure 9 SWR of the Inverted L Antenna for 40- meter Band

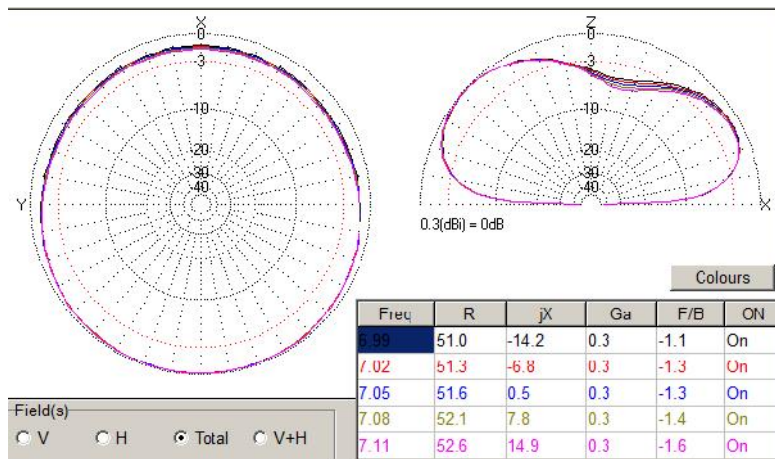


Figure 10 DD of the Inverted L Antenna for 40- meter Band