

DEWD I.V. for the 80- meters

The publications devoted to memory UR0GT.

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The model of the DEWD IV antenna (file Broadband IV 80m. maa) in the free space may be loaded:
[http:// www.antentop.org/011/dewd_iv_011.htm](http://www.antentop.org/011/dewd_iv_011.htm)

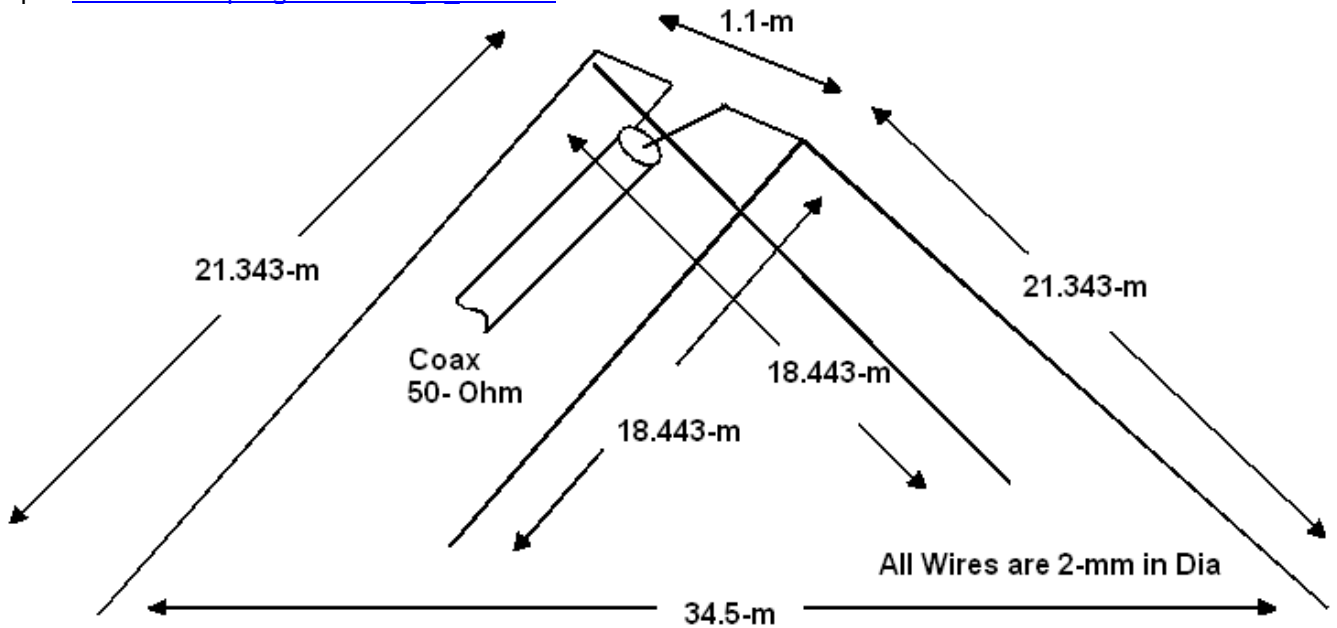


Figure 1 DEWD IV for the 80- meters

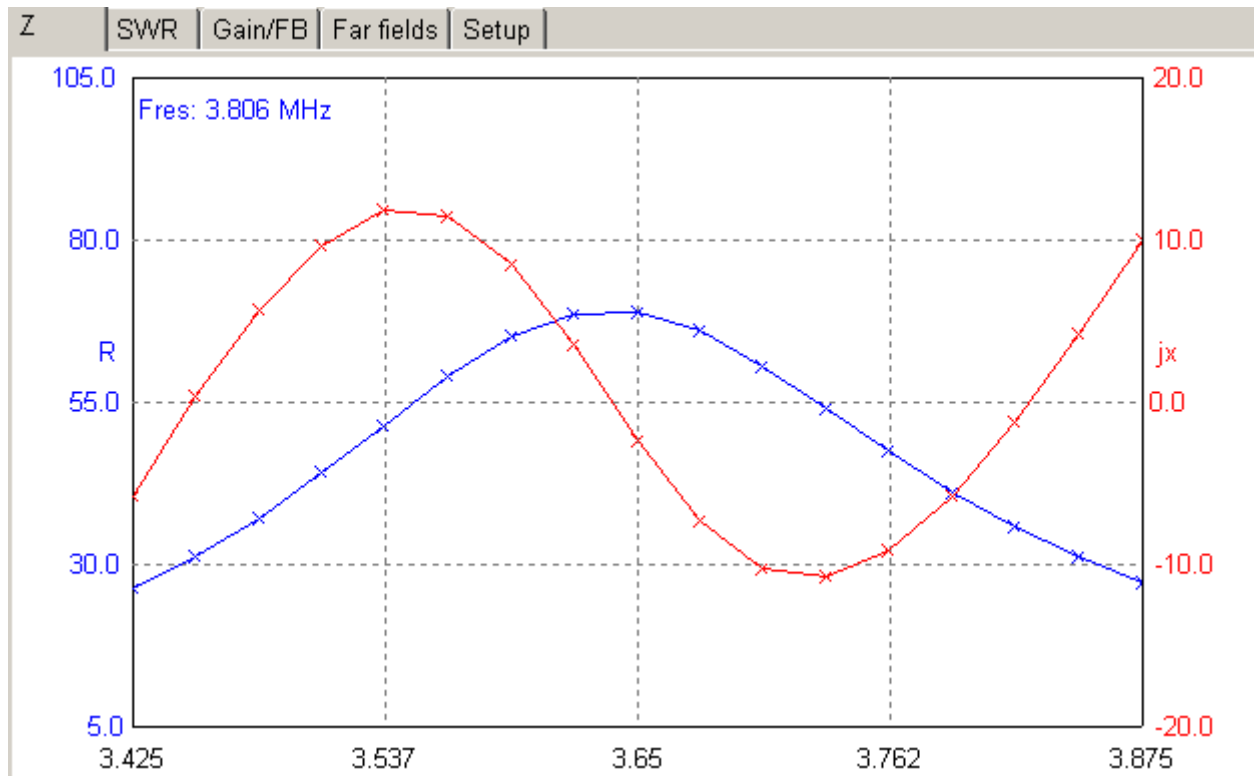


Figure 2 Z of the DEWD IV for the 80- meters (placed in the free space)

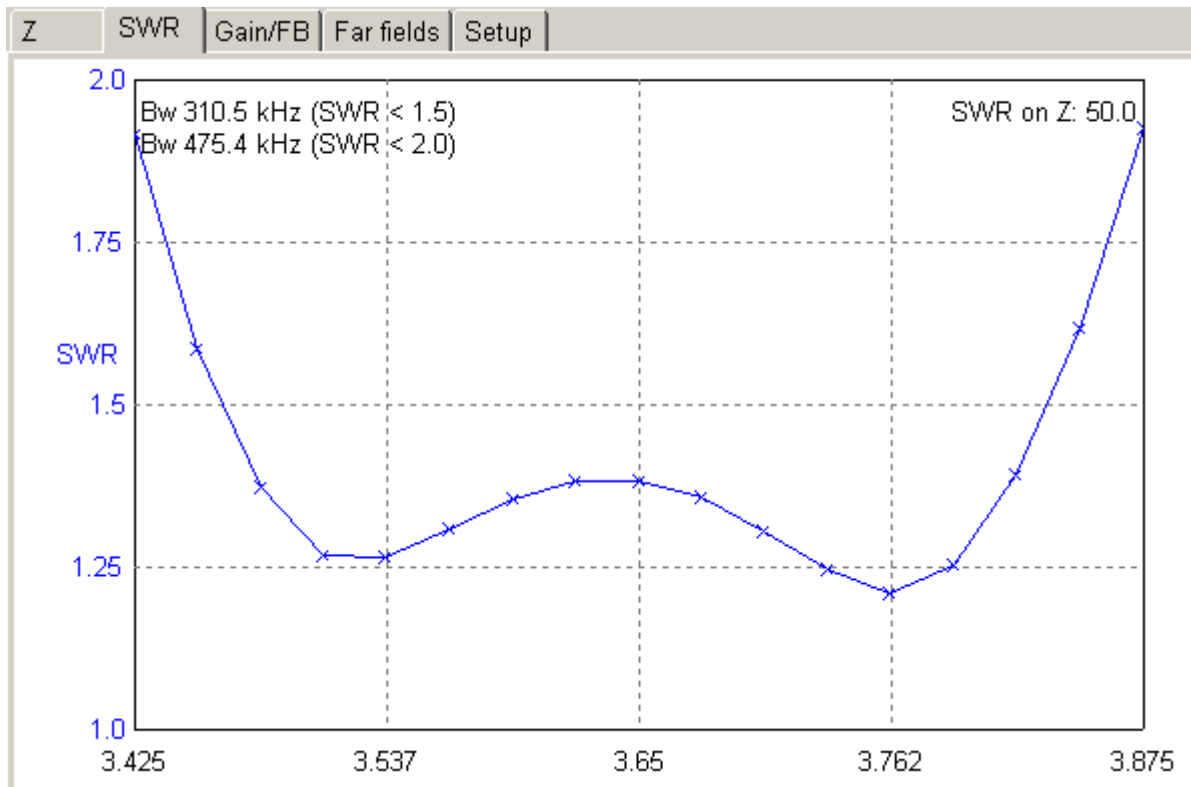


Figure 3 SWR of the DEWD IV for the 80- meters (placed in the free space)

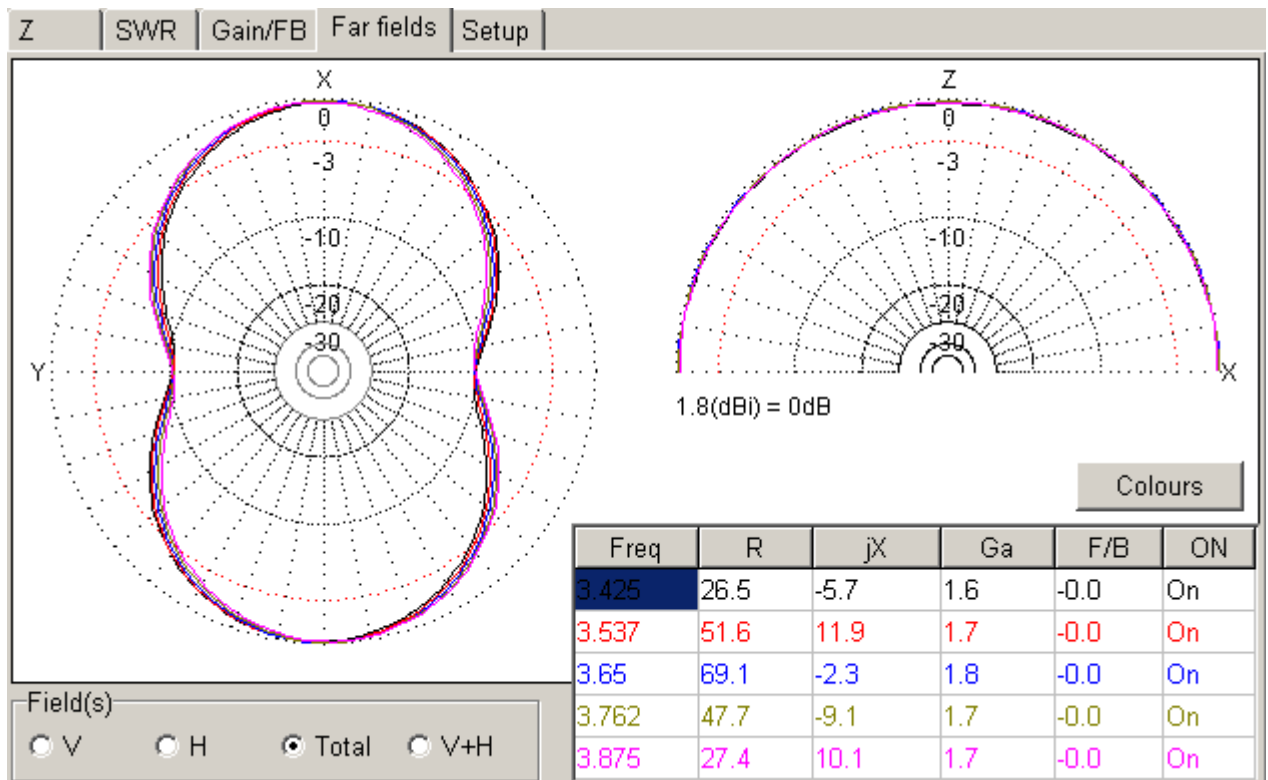


Figure 4 DD of the DEWD IV for the 80- meters (placed in the free space)

The antenna may be optimized. At optimization it needs to get the same curves of R and X (like for antenna from Figure 1) that are shown at Figure 2.

The antenna has three resonance (where X=0) at its band-pass. Interval between the resonance frequencies grows (and R grows) when the difference between “short” and “long” wires is grows up.

X-curve goes up (down) at increasing (decreasing) the width of the antenna. The model of the optimized DEWD IV antenna (file

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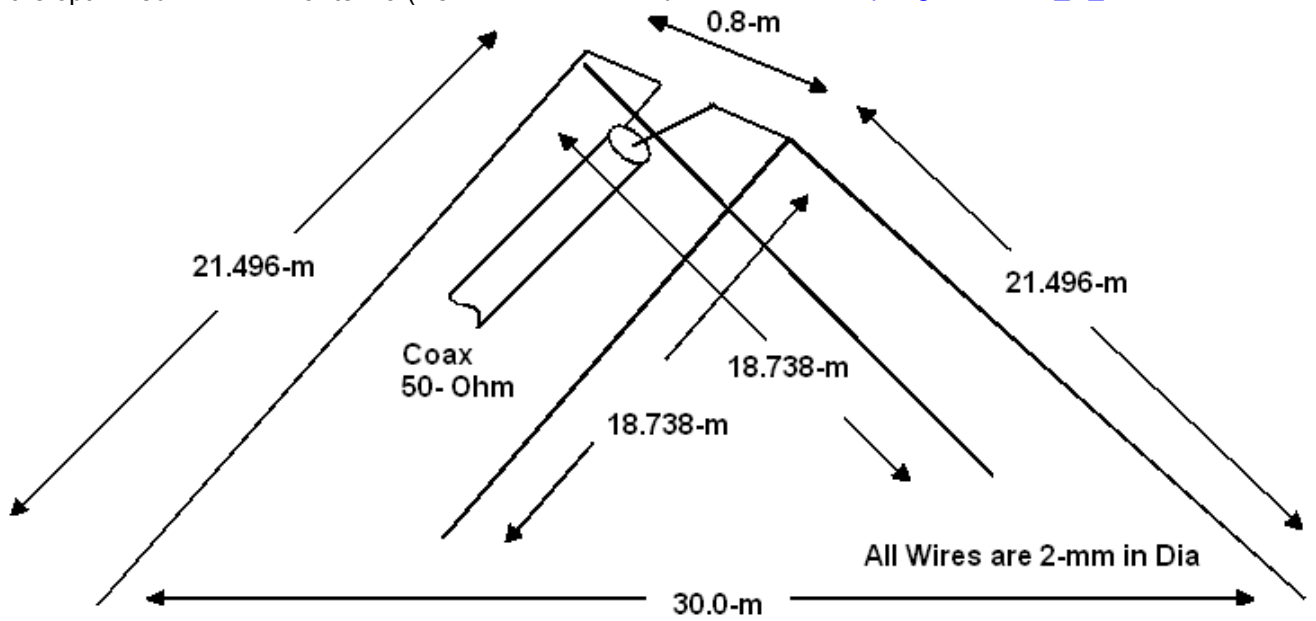


Figure 5 Optimized DEWD IV for the 80- meters

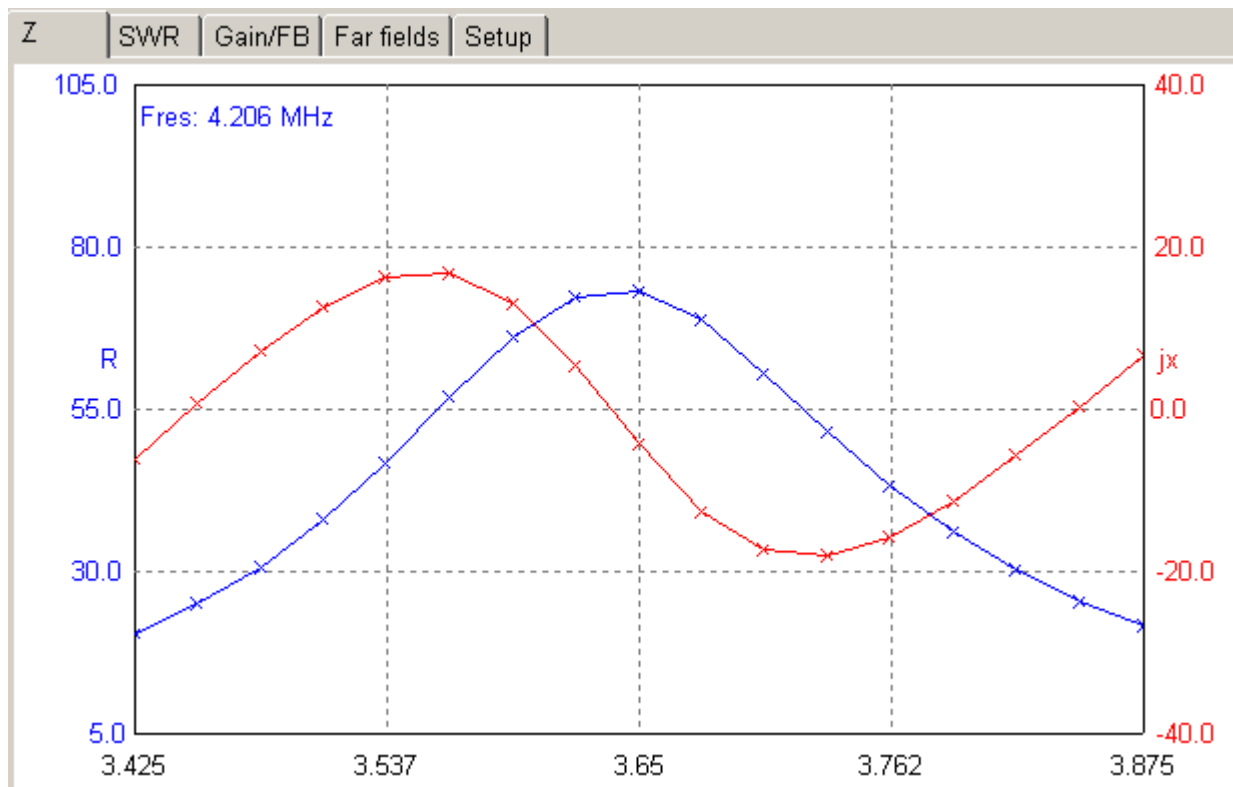


Figure 6 Z of the optimized DEWD IV for the 80- meters (placed in the free space)



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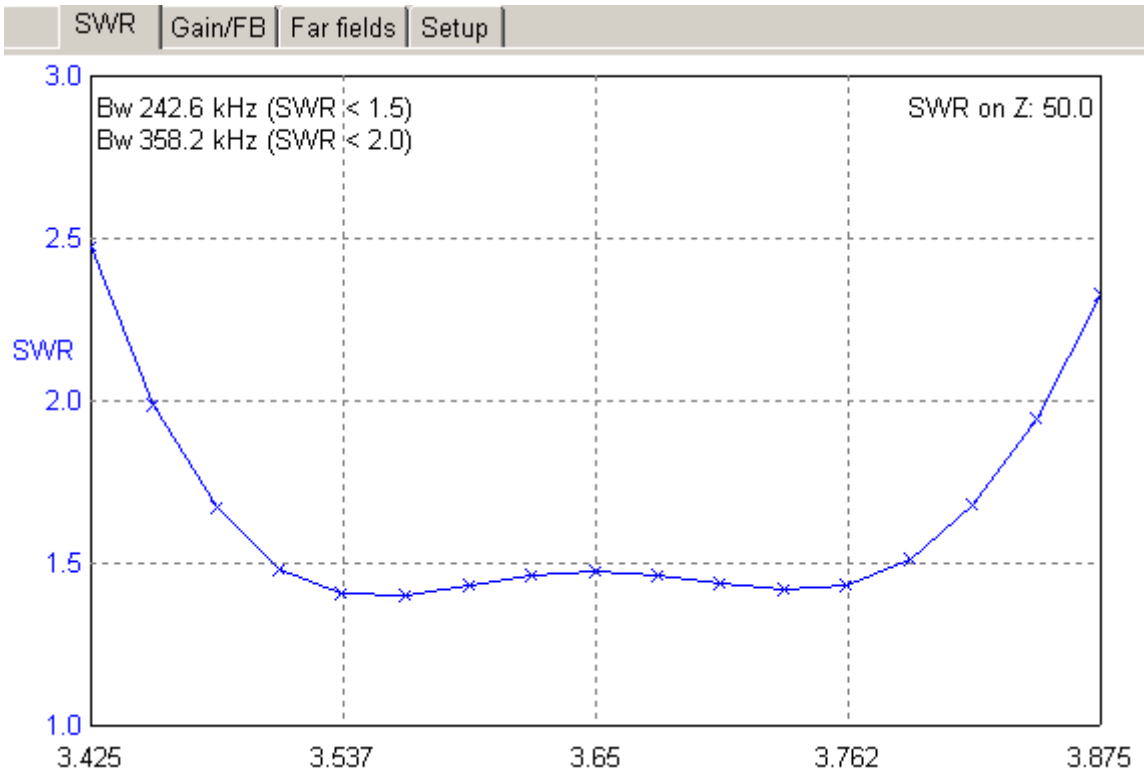


Figure 7 SWR of the optimized DEWD IV for the 80- meters (placed in the free space)

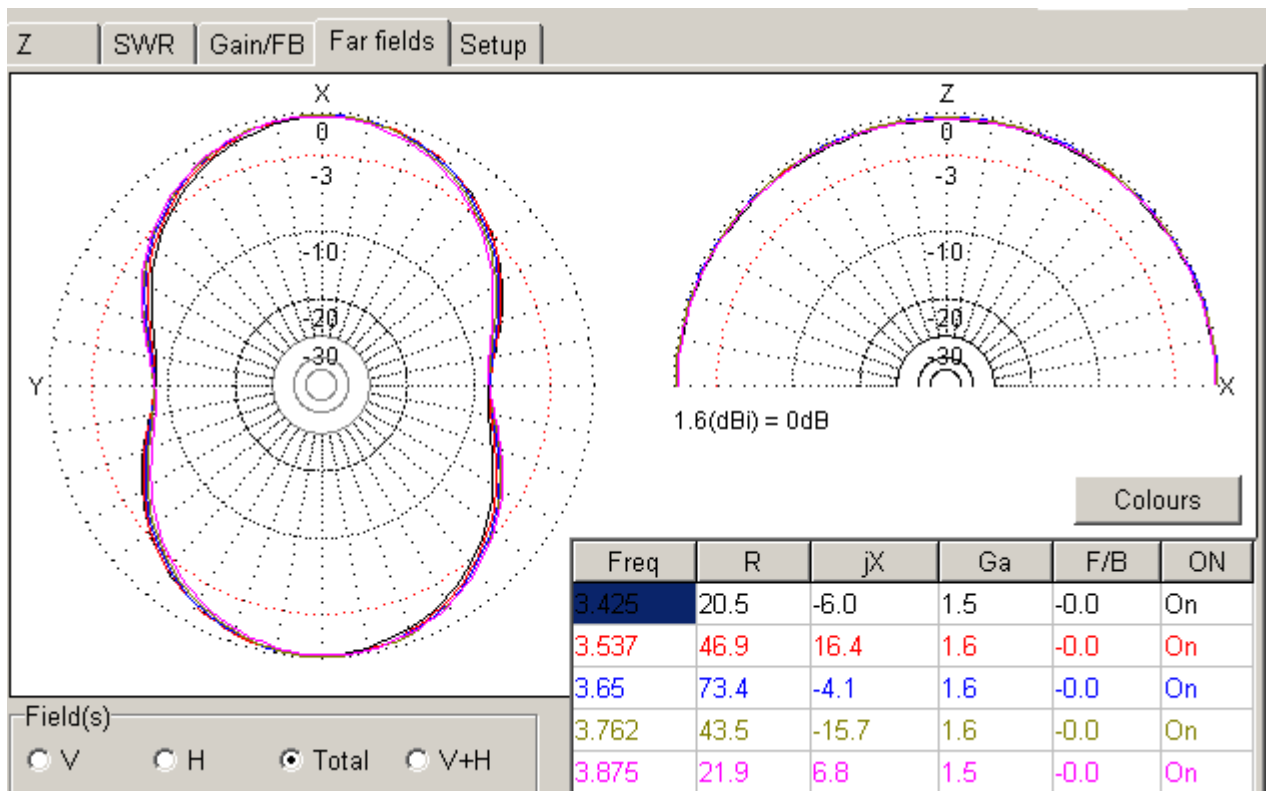


Figure 8 DD of the optimized DEWD IV for the 80- meters (placed in the free space)

73, Nikolay

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