

# DEWD Vertical for the 80- meters

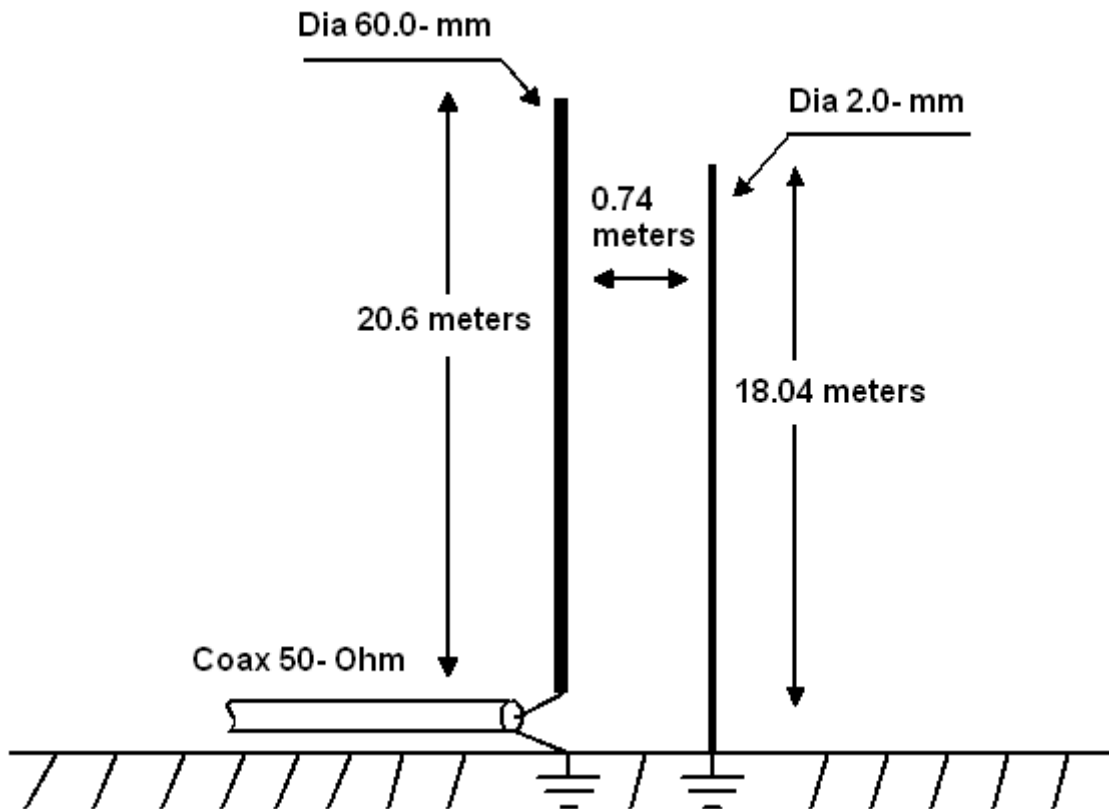
*The publications devoted to memory UR0GT.*

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Variant of a DEWD Vertical Antenna for 3.5 – 4.0 MHz looks astonishingly simply. Just one wire in diameter of 2- mm and 18.04 meters long is installed on the distance 74- cm near a Vertical Antenna with diameter of 60- mm and height of 20.6 meters.

This additional wire should be connected to counterpoises or to other (common with the Vertical Antenna) grounding. The simplified model of the antenna (file *DV3.5\_4MHz.maa*) without counterpoises ("ground" does the job) may be loaded:

http: // [www.antentop.org/011/vertical\\_011.htm](http://www.antentop.org/011/vertical_011.htm)



**Figure 1** Simplified DEWD Vertical for the 80- meters



[www.cqham.ru](http://www.cqham.ru)

SWR for the DEWD Vertical is not exceeded 1.45:1.0 at the range 3.5 – 4.0- MHz.

The rest parameters for the antenna are almost similar to ¼-lambda Vertical Antenna.

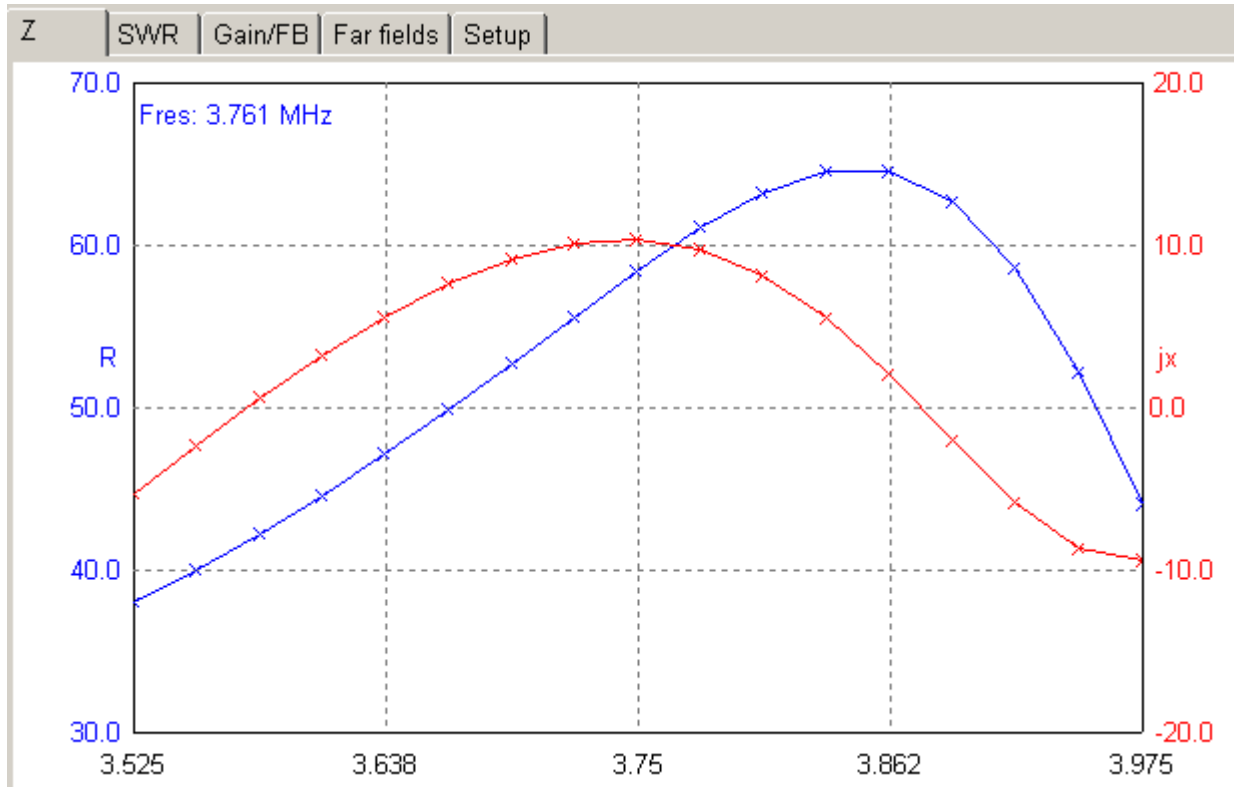


Figure 2 Z of the Simplified DEWD Vertical

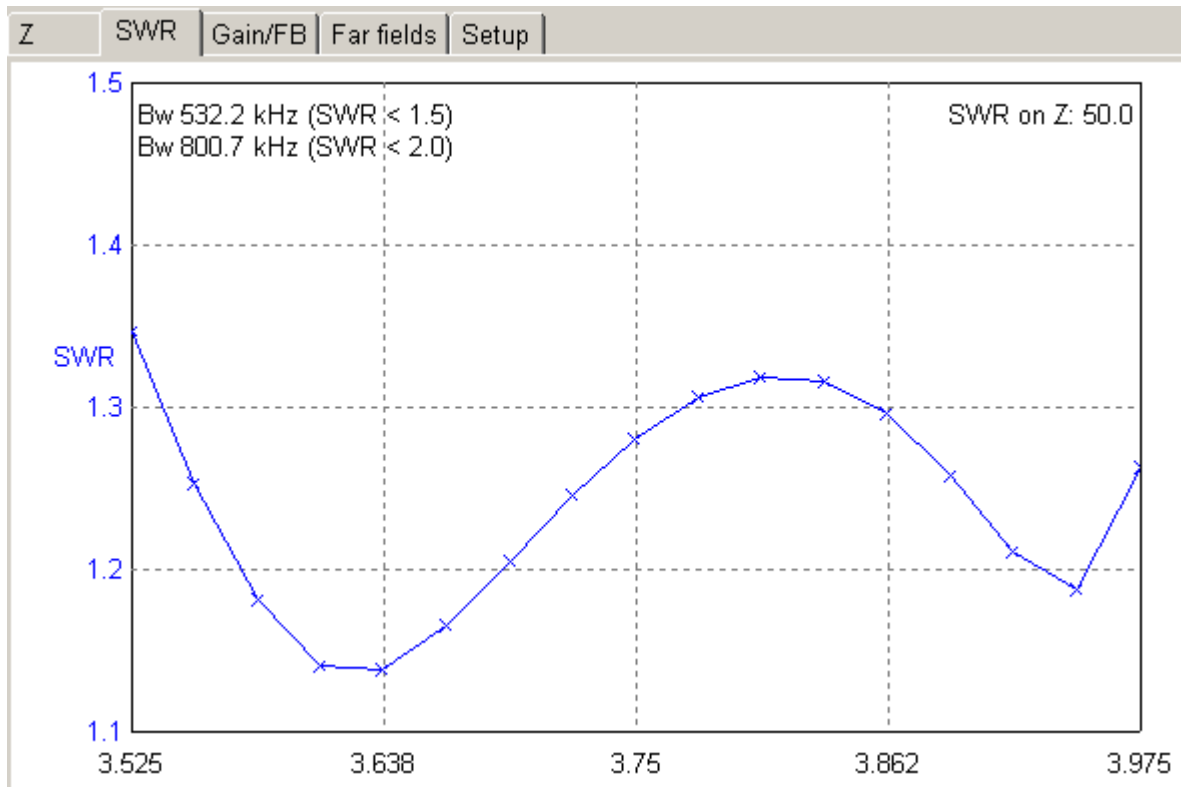


Figure 3 SWR of the Simplified DEWD Vertical

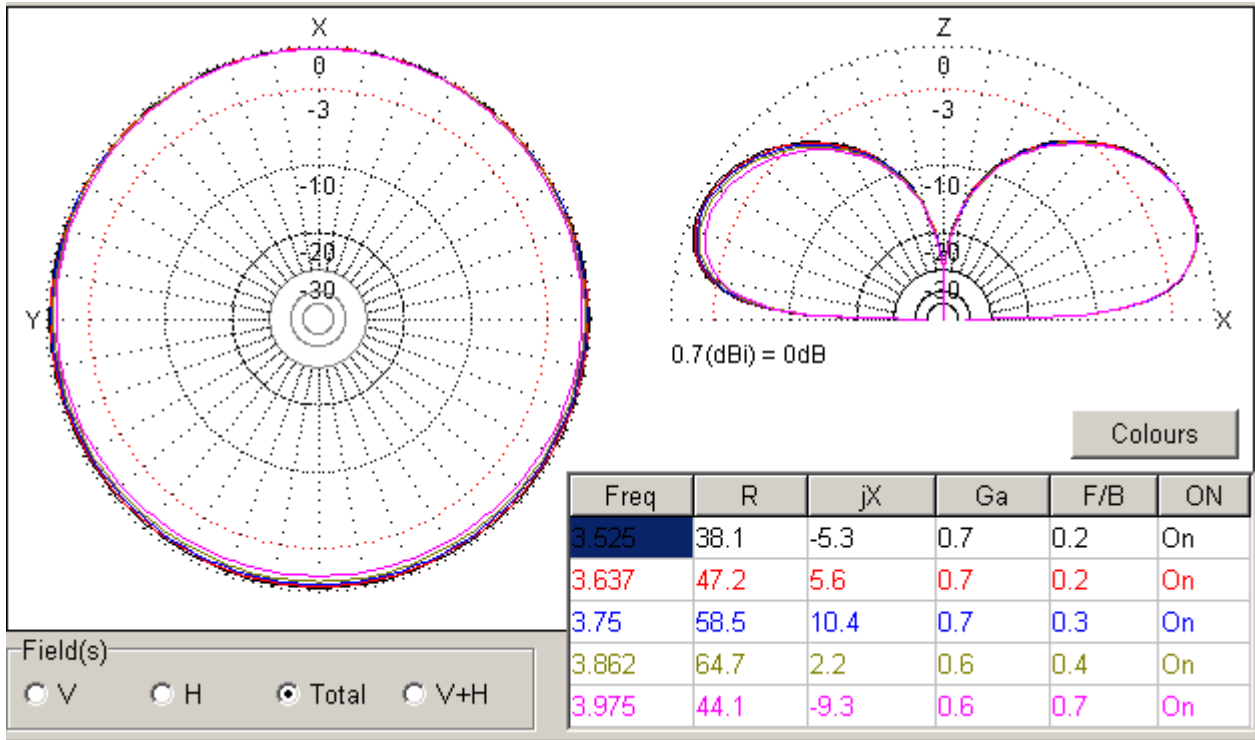


Figure 4 DD of the Simplified DEWD Vertical

Model of the “Real” DEWD Vertical with counterpoises (file *DV3.5\_4MHz.2.maa*) placed at 1-meter above

ground may be loaded from: [http:// www.antentop.org/011/vertical\\_011.htm](http://www.antentop.org/011/vertical_011.htm)

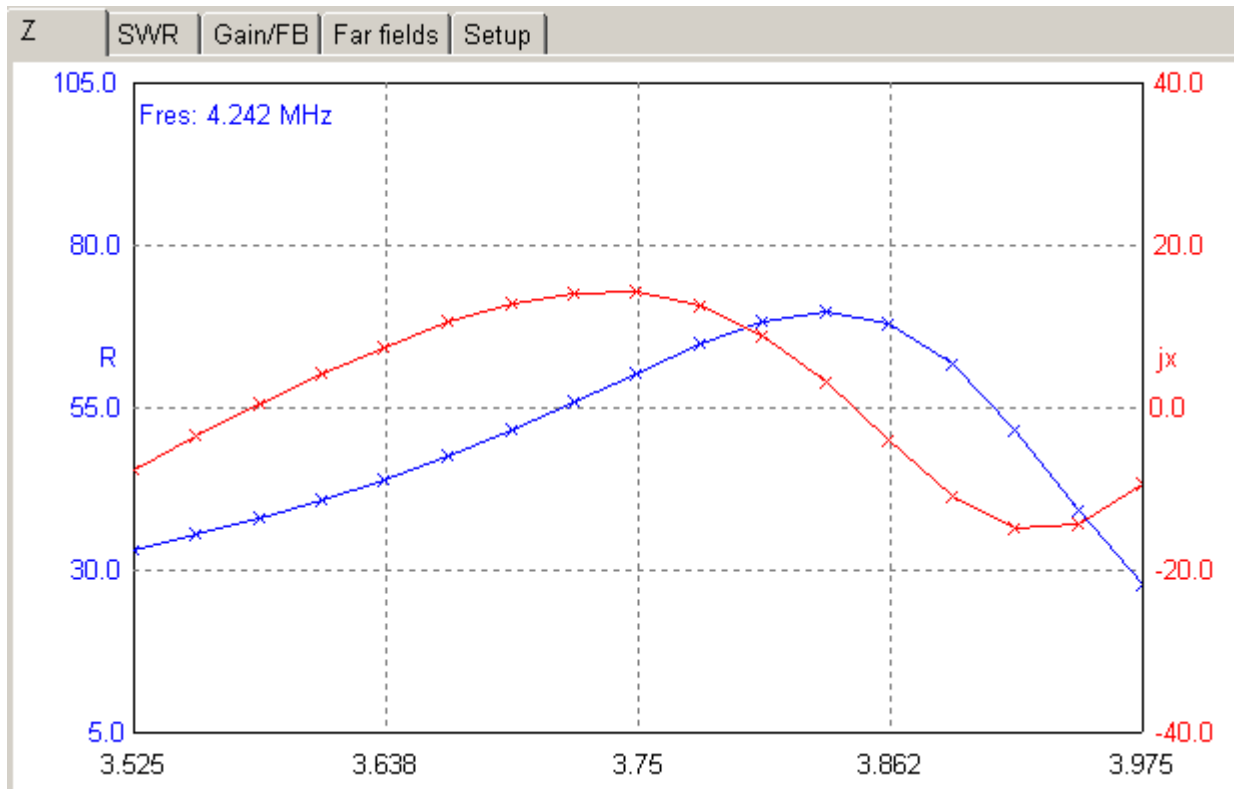


Figure 6 Z of the Real DEWD Vertical

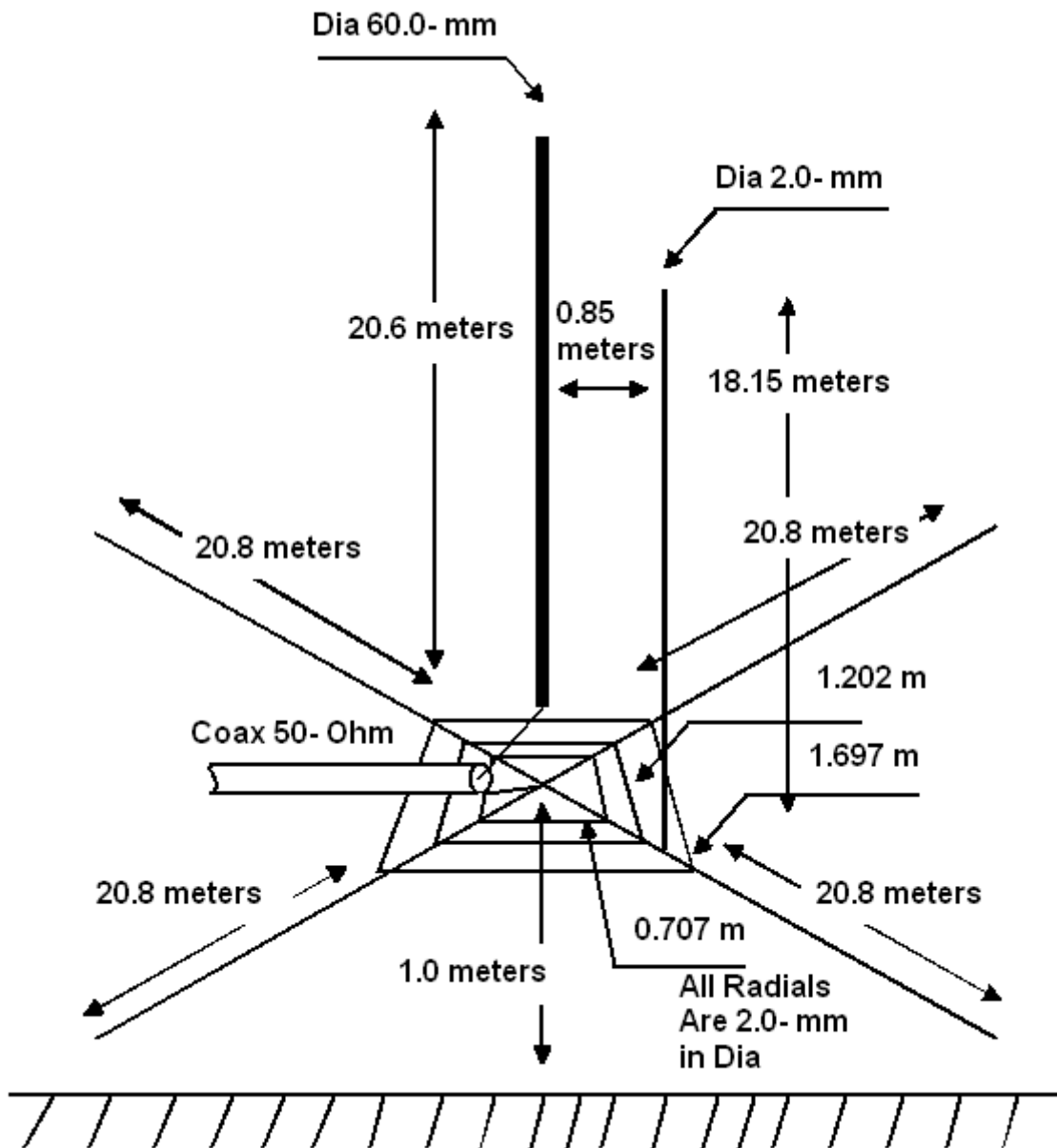
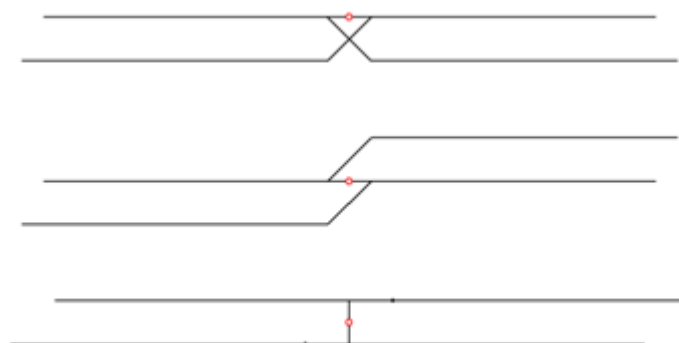


Figure 5 Real DEWD Vertical for the 80- meters



The Figure shows turning LPDA into DEWD. As a result of it, DD is changed to circular, cross line became a part of the DEWD antenna.

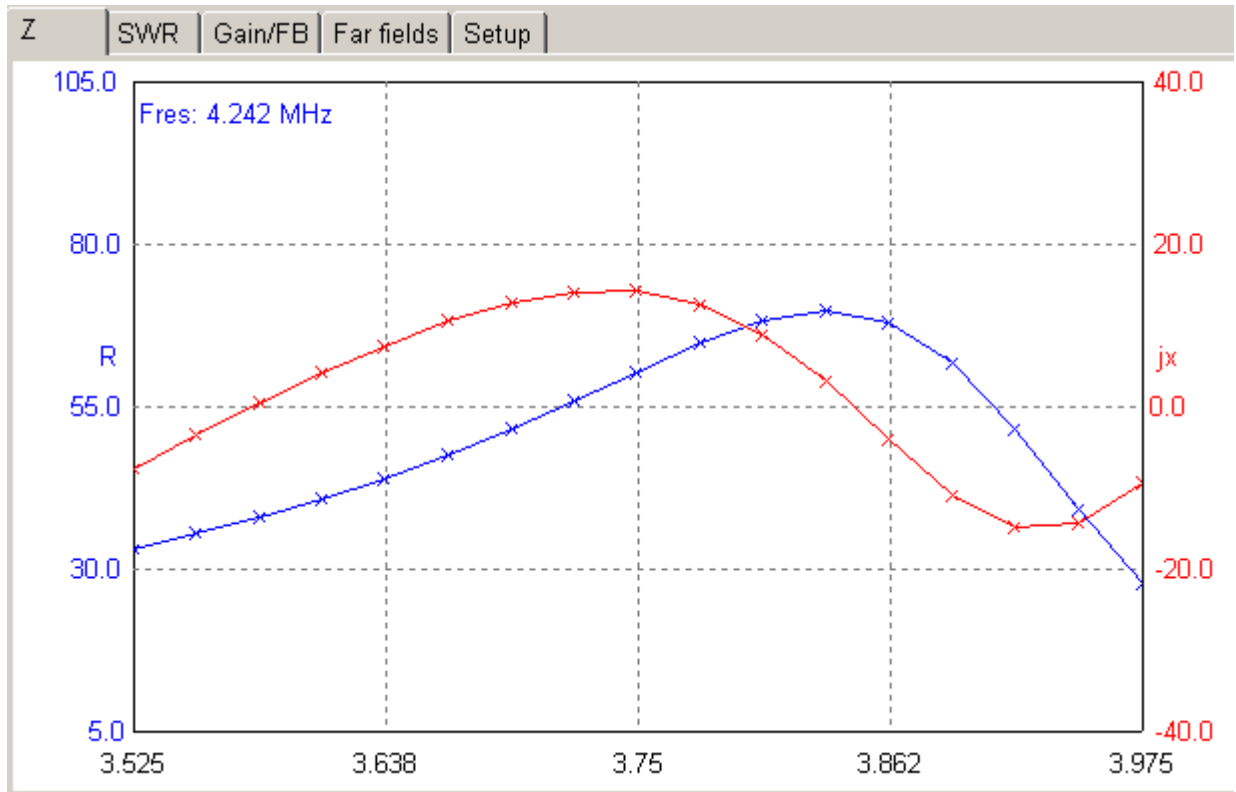


Figure 7 SWR of the Real DEWD Vertical

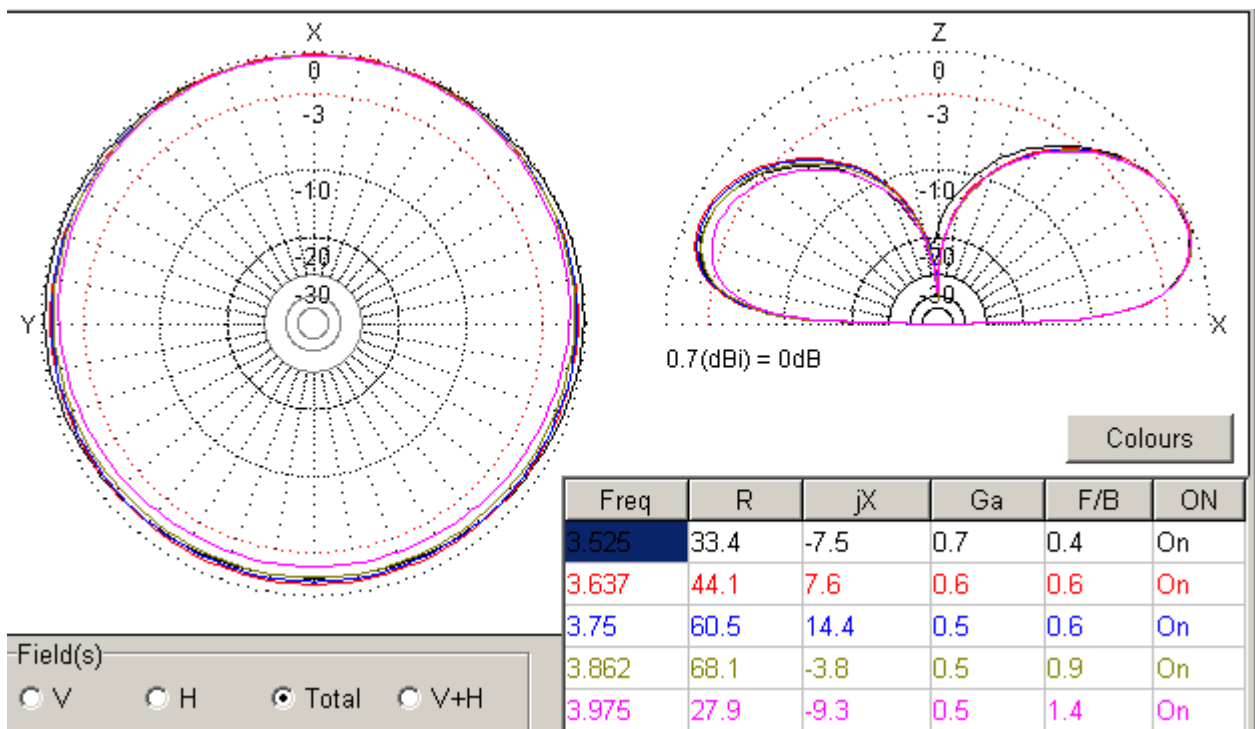


Figure 8 DD of the Real DEWD Vertical

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