W3DZZ Multi-band Antenna 80-40-20-15-10m





NOTES:- A full analysis of this antenna is available on this link:http://sharon.esrac.ele.tue.nl/~on9cvd/E-Multiband%20trap%20antenne.htm By Bob J. van Donselaar ON9CVD

G3DVL used a coaxial trap for his version see page 2 for details of its construction



The ground slopes downhill slightly from left to right and the masts at the ends are only about 5-6metres high. The far right mast is made of 2x2 inch wood and lashed to the small tree with nylon rope to prevent damaging the tree. The coax used by G3DVL is air-spaced dielectric 75 Ohm TV coax in conjunction with an MFJ 948 ATU.

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Here is a photograph of the 7.0MHz Trap made using this form of construction. The coax has been taped over for additional protection and the ends have been sealed by fitting plastic discs and sealing with silicone bath sealer



N.B. A very useful tool for coax-traps is a program by Tony VE6YP called "coaxtrap.exe". The program can be downloaded his website <u>www.qsl.net/ve6yp</u>.

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N.B. Antenna Plots produced using MMANA-GAL Antenna Model Program – 10m plots omitted to save space. The Antenna was modelled at 10m above the REAL Ground whose Conductivity=5mS/m and Dielectric = 13.



