

Lightweight 2el. yagi for 144 MHz MK2



The longest part of the antenna is 540 mm long. The elements fit inside the boom. Weight of antenna with a coaxial cable is 180 grams.

As the boom is used a plastic tube with 25mm diameter. The elements are routed through the boom and connect the coaxial cable is also inside boom. For fixing elements are used spacers M3 length 12mm. All elements are divided in half.



Detail of element



Detail of dipole



Detail of end of element

The diameter of elements is 2 mm. The reflector is made as well as the dipole. Inside the tube are spacers M3.

Reflector 1020 mm.

Dipole 952 mm.

Spacing between elements 380mm.

At both ends of the booms are plastic caps. One is drilled for the cable. I recommed teflon coax cable with a diameter of 3 mm. You can put small clamp ferrite near the dipole.

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