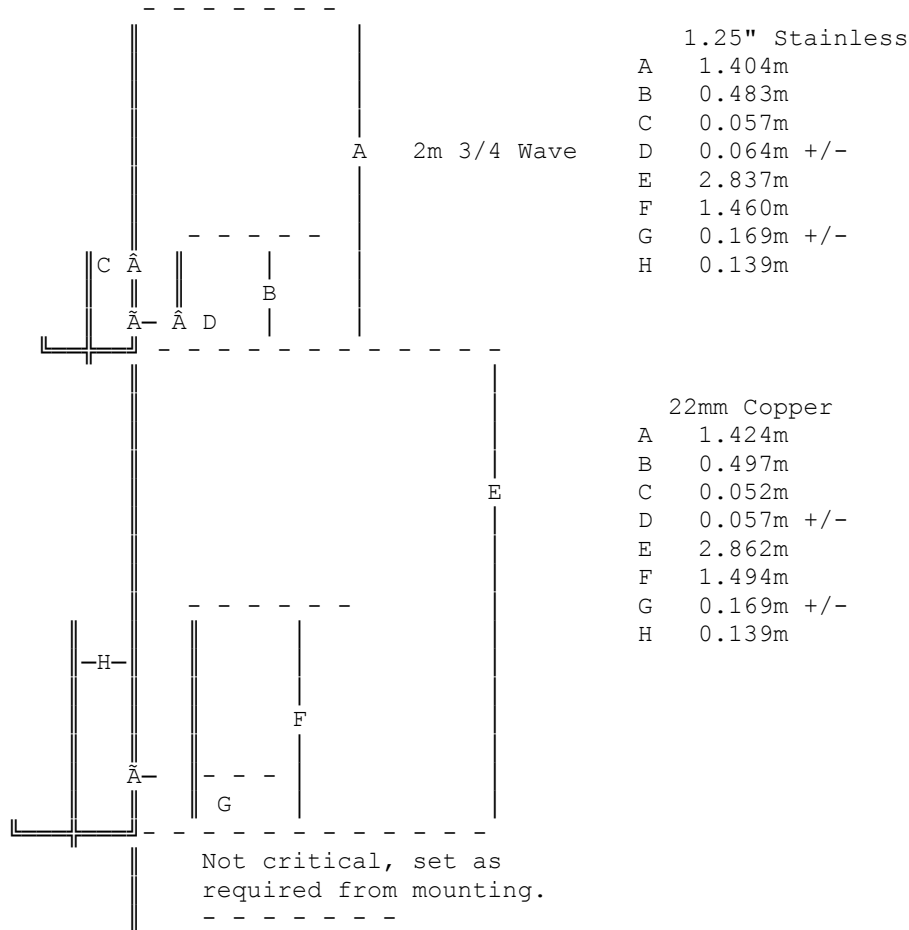


Subject: 2m & 6m Band "Neptune" Aerial

From: G8MNY@GB7CIP.#32.GBR.EU

To : TECH@WW

This is a rough IBM hi-ASCII drawing of the Neptune dual band antenna for those without MS Excel, it is NOT to scale.



50 Ohm coaxial cable fed up the inside of the centre tube is joined on outer to the centre tube and inner to the stub, at the points shown as "G" for 6m and "D" for 2m. Dimensions H & C are the centre to centre spacing between both stubs and the centre pole.

Tapping points G & D should be adjusted for best standing wave on each band. Although the original words do not specify the precise construction, I suspect the stainless design is mitre cut and welded, the copper version being constructed from 90degree Yorkshire fittings, in that case (easiest for the garage constructor) you need to calculate the lengths to allow for the "Yorkshire" I've never seen a cruciform Yorkshire coupling, so how you organise the centre of the tridents I don't know, maybe a TEE coupling, and drill out the bottom?

Dimensions E + A form a 3/4 wave on 6m, dimension A forms a 3/4 wave on 2m

Do a DC test to make sure all 3 wired are not framing. Then do an Ohm test. Drawn, by G8AMG with reference to the Excel picture by G0WEH.

This was used by G0WEH of the GB3PC/PD repeater group, but they no longer have a web site with info on it.

Why Don't U send an interesting bul?

73 De John, G8MNY @ GB7CIP
/EX