

Subject: 70cm 19el Tonna Yagi info

From: G8MNY@GB7CIP.#32.GBR.EU
 To : TECH@WW

Element	Length in mm	Measured Spacing
Reflector	350	
Folded Dipole		Not done
Director 1	330	Not done
Director 2	315	Not done
Director 3	305	Not done
Director 4	300	Not done
Director 5	297	Not done
Director 6	295	Not done
Director 7	295	Not done
Director 8	290	Not done
Director 9	285	Not done
Centre of boom		
Director 10	285	171
Director 11	280	172
Director 12	280	173
Director 13	275	172
Director 14	275	172
Director 15	270	172
Director 16	270	172
Director 17	265	173

Quoted figures

Gain 17dBi
 Aperture -3dB H 2x14°
 V 2x16°
 Front-back 23dB
 Side Lobes > 38dB
 VSWR = 1.2
 Weight 1.1Kg
 Length 3.2M
 Wind load @ 25m/S 5.4Kg

73 de Andy G0FTD @ GB7SXE.#38.GBR.EU

 Folded dipole spacing 2-3cm.

I have found a problems with Tonners of this construction, the ally-ally connections inside the moulded connection block. These corrode & you end up with no aerial. Repairs can be done by sawing away at the block until the connection rivet is located. Drill this out & drill & tap in a suitable brass screw after first painting it with silver conductive paint on the screw & tapped hole. Make a paper/tape mould around block & fill in the hole you made with a car repair resin.

Why Don't U send an interesting bul?

73 De John, G8MNY @ GB7CIP