

23 el 1296 MHz ant repair spec

(New Jan 99)

(8 Bit ASCII graphics use code page 437 or 850, Terminal Font)  
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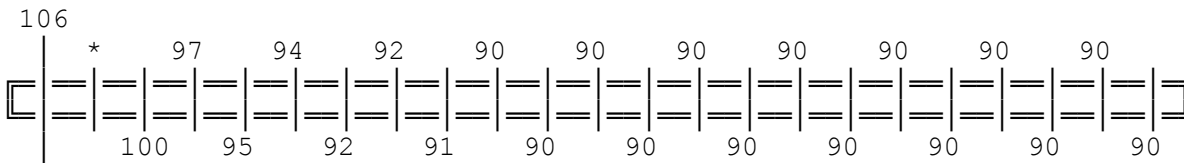
If like me, your antenna's suffered damage during the recent severe winds then here is some handy specs for the 23 element 1296 MHz tonna, which I had fall down, & suffer much damage to the very fragile tiny elements, luckily I had measured them all before installing the antenna, & was able to make my own replacements from brass brazing rod.

\*\*\*\* This info is for repair purposes only \*\*\*\*

PLEASE ENSURE ALL YOUR PAGING PROMPTS ARE SWITCHED OFF i.e. OP, or drawing will be unreadable & incorrect.

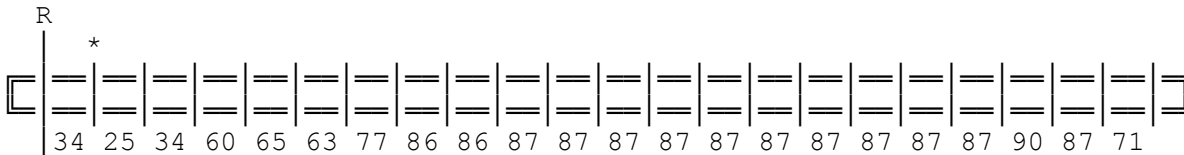
23 Element Tonna (1296 MHz spec) dimensions for repair purposes only

Fig 1. Actual Element lengths in mm



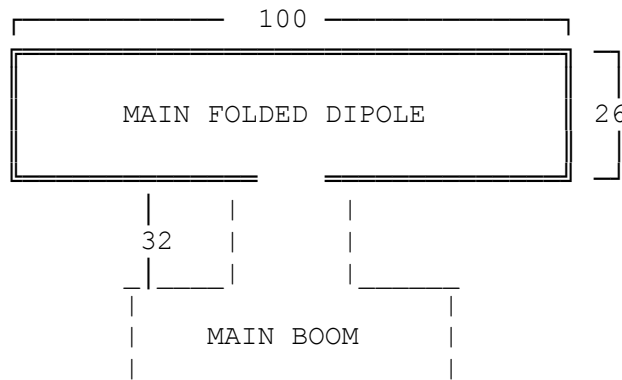
( \* DENOTES MAIN DRIVEN DIPOLE....SEE BELOW)

Fig 2. Distances between elements in mm



R - DENOTES MAIN REAR REFLECTOR  
\* - DENOTES MAIN DRIVEN DIPOLE

Fig 3. Folded Dipole dimensions



ALL elements stand 41mm high from boom & are offset by non conductive arms.  
LAST element is 15mm from end of boom  
MAIN rear reflector starts 15mm in from boom  
FOLDED DIPOLE is fed direct via 535mm length (multi half wave) of feeder  
FOLDED DIPOLE stands 32mm high from boom

FOLDED DIPOLE total uncoiled length 265mm

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Well, there you have it, hope this has been of some use to other unfortunate souls who lost valuable elements during the storms, good luck with your repairs.

73 de Tony M0ATV South Liverpool @ GB7DEE

Why don't U send an interesting bul?

73 De John, G8MNY @ GB7CIP