

23cm 10el Yagis for ATV

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To : TECH@WW

Schematic for 1.2 GHz ATV ant
From G3ZJO

(new Feb 06 edited G8MNY)

I have great success with the following dimensions which are from an old DOS yagi design program.

Make the BOOM from double sided PCB 10 - 15mm wide.

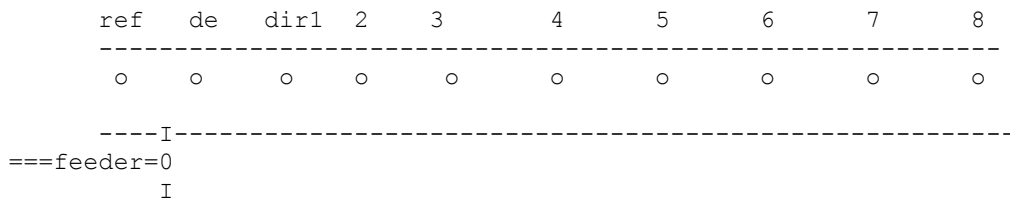
Make the elements from brass brazing rod 3mm dia or copper wire.

Make the driven element a folded dipole or use a gamma match.

Table with 3 columns: Component, 1249MHz, 1316MHz. Rows include Reflector Length, Reflector Spacing, Driven Element, Director1 Spacing, Director1 Length, Dir2 Spacing, Dir2 Length, Dir3 Spacing, Dir3 Length, Dir4 Spacing, Dir4 Length, Dir5 Spacing, Dir5 Length, Dir6 Spacing, Dir6 Length, Dir7 Spacing, Dir7 Length, Dir8 Spacing, Dir8 Length, Boom Length, and Gain.

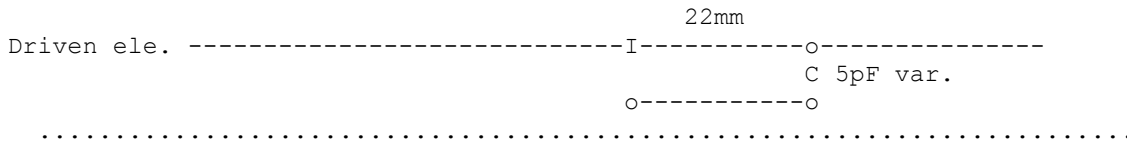
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For Gamma matching drill holes and solder all elememts at center point.

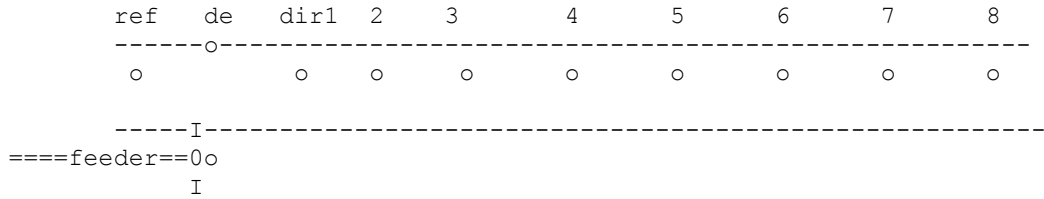


BNC or N socket mounted in a notch in the boom.

Detail of Gamma match



For Folded dipole notch top of boom and solder center of element, feed at socket.



BNC or N socket mounted in notch.

73 - Eddie, G3ZJO @ GB7BEN

Why don't U send an interesting bul?

73 de John G8MNY @ GB7CIP
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