

3 ELEMENT 2M-YAGI

4S6GGS

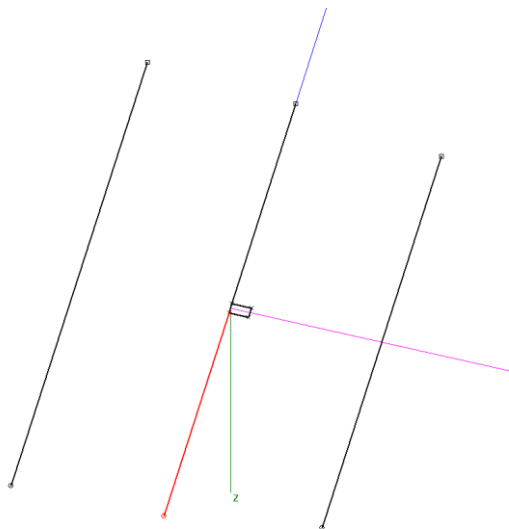
This Yagi was constructed to SWL /Ham station, portable Yagi with good gain. They have good bandwidth and working from 144-146MHz with good SWR. Easy Matching System

E mail 4S5gs.gayan@gmail.com



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This Yagi was constructed to SWL /Ham station, portable Yagi with good gain. They have good bandwidth and working from 144-146MHz with good SWR. Easy Matching System hairpin matching antenna



For portable use it is an advantage, to have a small vertical radiation angle and a broad horizontal angle. Therefore it is

This yagi will give you a good performance for a base station, /

Portable station / Fox Hunt / Tracing Ham Satellite

Ga : 8.17 dBi = 0 dB (Horizontal polarization)

Gh : 6.02 dBd

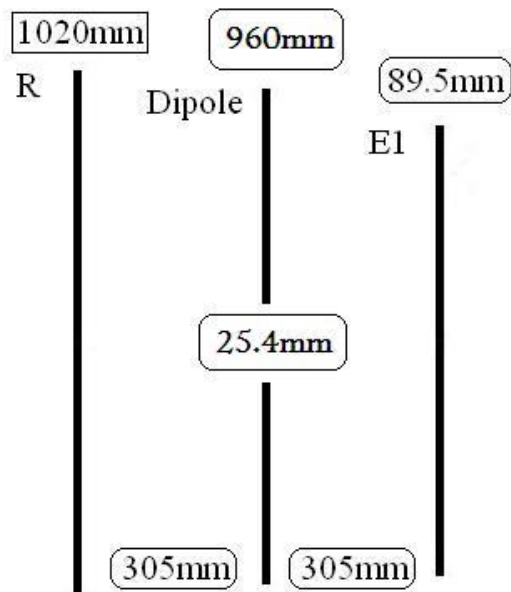
F/B: 19.10 dB; Rear: Azim. 120 deg, Elev. 60 deg

Freq: 145.000 MHz (50.0 Ohm)

Construction

Al Dia – 9.5mm

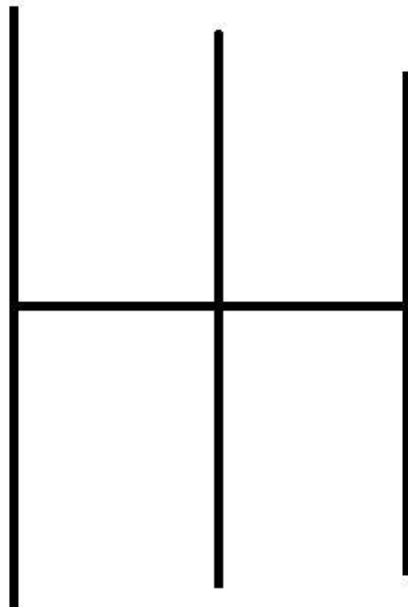
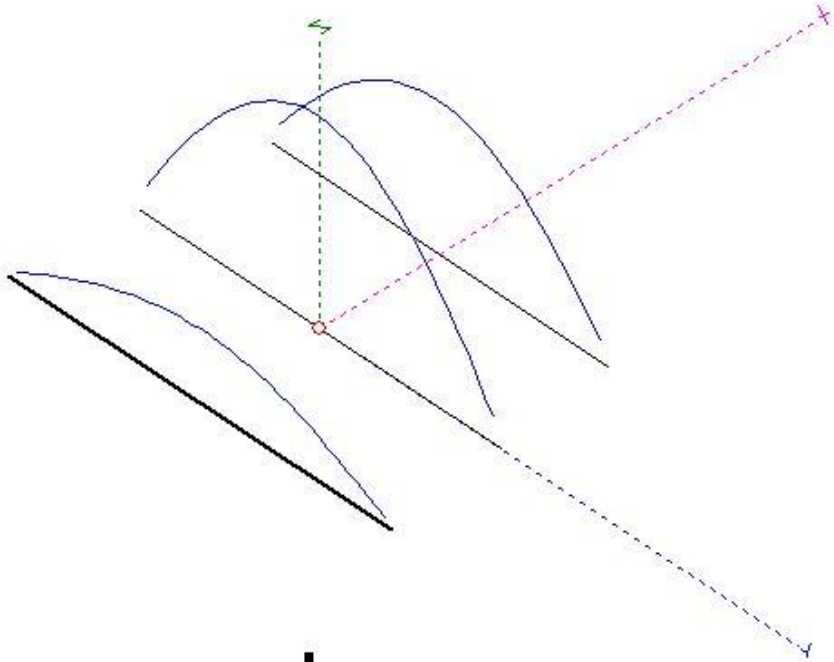
Boom ½ "PVC Pipe





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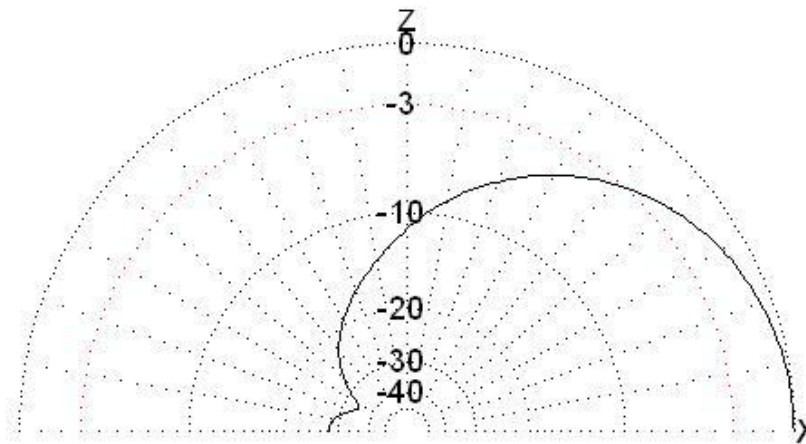
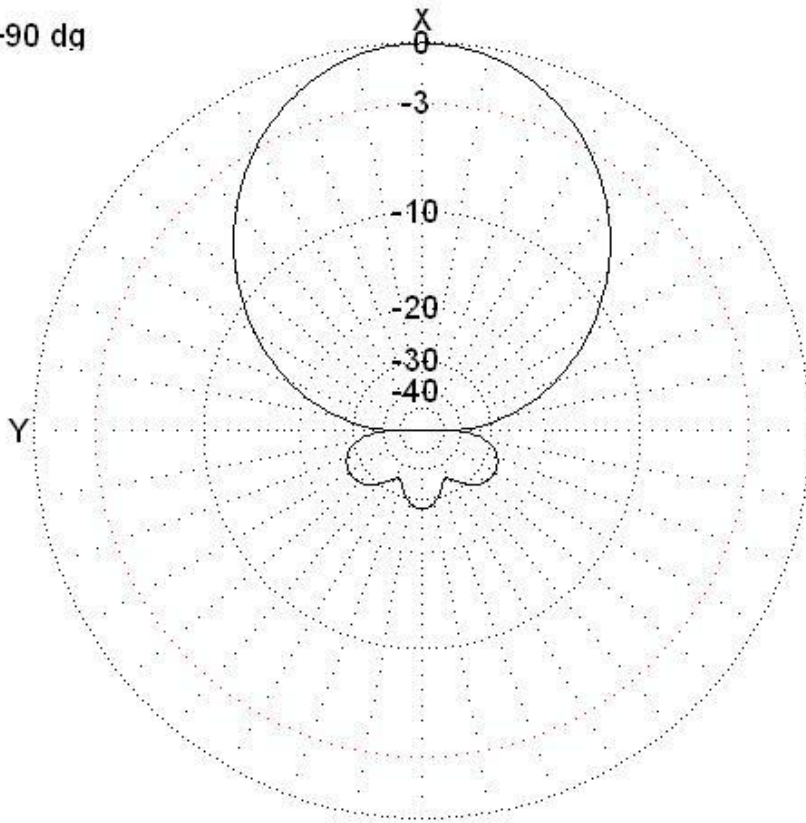
145MHz 3EL YAGI 4S6GGS

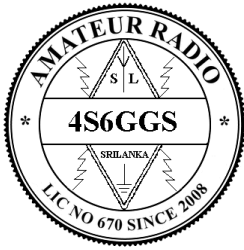




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+90 dg



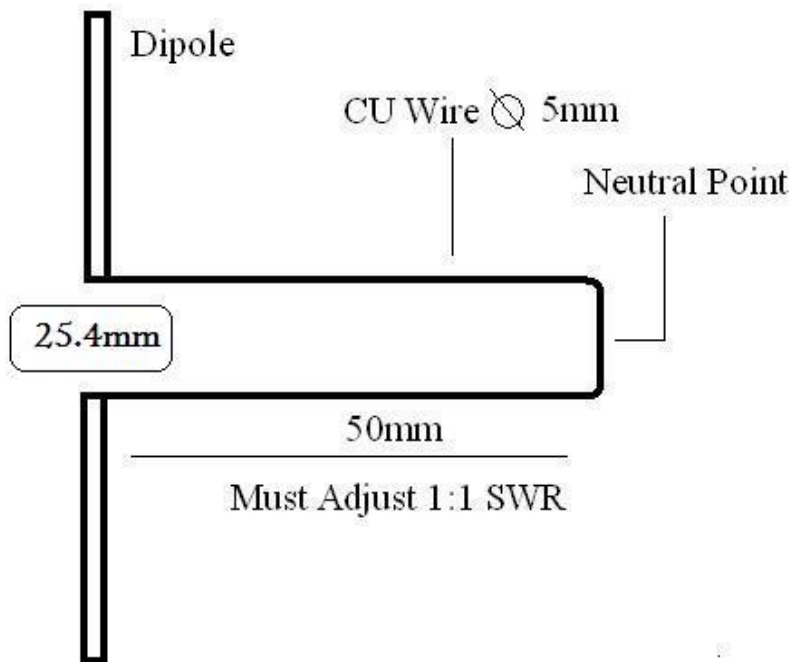


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The Beta / Hairpin Match

Here have I use a hairpin match that is better match at 50ohms Impedes Coax Cable / Antenna

the "beta" match also called "hairpin"

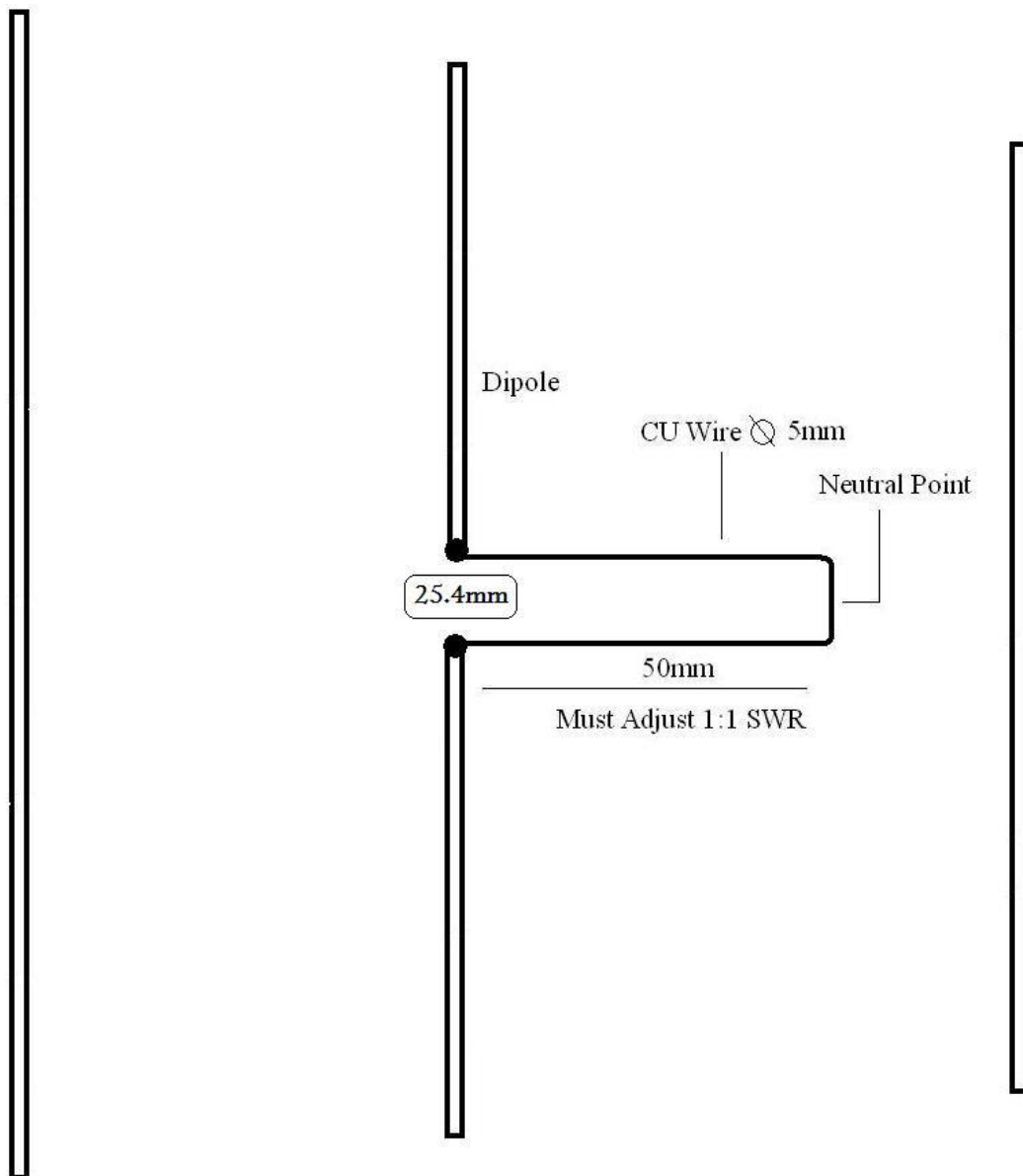


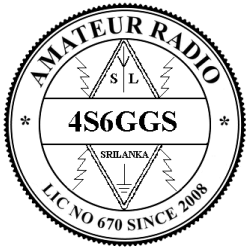
This makes it from 5 mm aluminum or copper, with center to center spacing of 50mm. The length needed will be about a $\tan^{-1}(74/360)$ or 11.5° or

$11.5/360 \times 300/144.1$ m or 66.5 mm.



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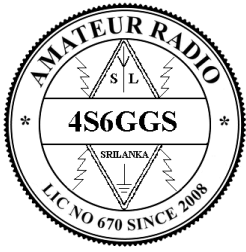
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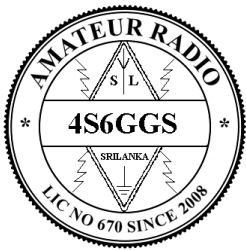
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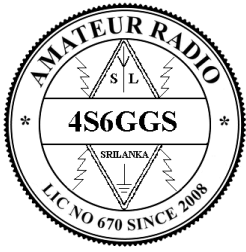
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