



Baldwin County Amateur Radio Club

The Six Meter Moxon Antenna





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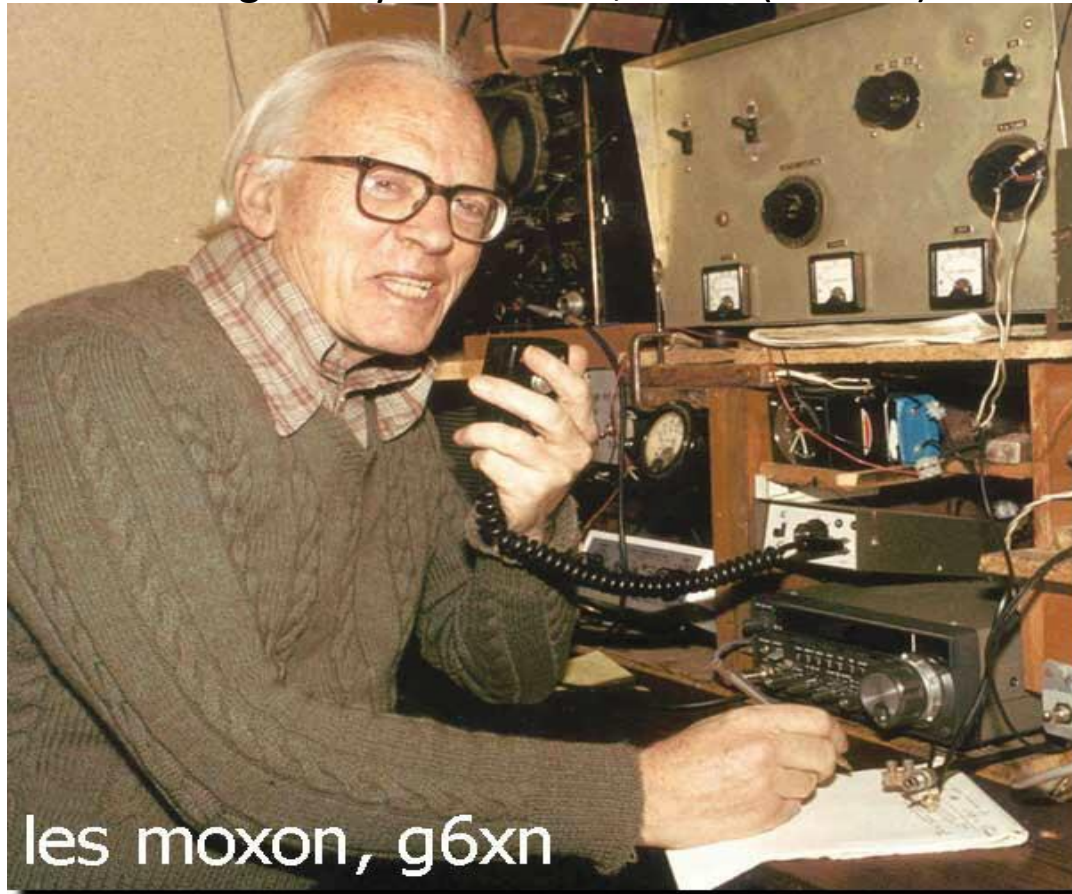
1. Easy to build two element antenna!
2. Easy match to 50 ohm coax. No tricky tuning required.
3. Excellent gain and Front to Back Ratio.
4. Built and tested for our 2018 Field Day and worked excellent!



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Designed by Les Moxon, G6XN (now SK)



les moxon, g6xn



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Forward Gain 5.5 ~ 6.0 dbi

Front to Back Ratio ~ 25 db

Use one of MANY Moxon Calculators on the Internet for
Dimensions.



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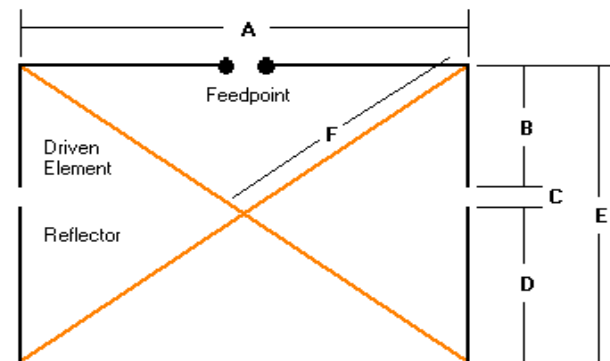
I used the excellent Moxon Calculator provided by Paul Evans, VP9KF, at this link: http://w4.vp9kf.com/moxon_design.htm

Moxon antenna design calculator
v0.1alpha. Under testing.

Calculate Dimensions

Wire diameter:
In millimetres

Frequency of operation:
In MHz



This is a World Wide Web front end for a public domain program written by W4/VP9KF using PHP. This program has been derived from a public domain BASIC program written by L. B. Cebik, W4RNL and published [at](#)



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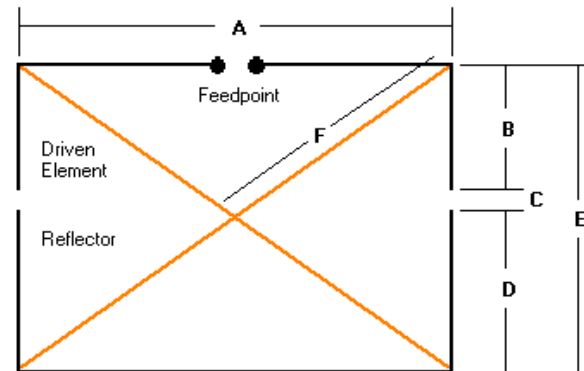
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Here are the resulting dimensions for the 50.3 MHz Moxon using 14 AWG bare copper wire:

Moxon antenna design calculator

Calculation Results

Frequency of Operation	50.3 MHz
Diameter of wire	1.62814 mm
A	6.646 feet 2.026 metres
B	1.01 feet 0.308 metres
C	0.162 feet 0.049 metres
D	1.404 feet 0.428 metres
E	2.576 feet 0.785 metres
F	3.564 feet 1.086 metres



[Perform another computation](#)