One correction… this is the one I use.
Hi Ed.

Here is a plot of the original 3 ele yagi (according to YCAD6):
Here is what I use (the 1st 3 elements are common)
It has 2 dB more gain, a narrower beam width but there are some side lobes and the F/B could be better.

One can run it through the optimizer and get this:
The main lobes are a bit wider, the gain is about the same but the pattern is much cleaner than my original. Note that this is 53.65 inches long so it would be a bit of a handful.

Frequency = 146.57 MHz, 3dB Beamwidths; E = 57 Degrees, H = 78 Degrees
Gain Relative to Maximum Gain of 7.65dBi at 0 Degrees

YagiCAD6 6.2.6 Copyright © Paul McMahon VK3DIP 1991 - 2017

Title: K6RBS TAPE MEASURE FOX HUNT YAGI
Source: WB2HOL
FILE: C:\Users\Gery\AppData\Local\YagiCAD6\RBS2.YC6
LAST SAVED: 1/16/2019

Comments: 5 Ele T hunt beam
Frequency: 146.565 MHz
Gain: 7.65 dBi (cf 8.08)
F/B: 37.86 dB
Z IN: 14.96 - J 21.74 OHMS
Eff: 100.0 %
Total NEC2 segs. = 105
Total Loads = 0

All Dimensions in Inches

<table>
<thead>
<tr>
<th>Elem.</th>
<th>Position</th>
<th>Length</th>
<th>Diam.</th>
<th>Material</th>
<th>Type</th>
<th>Segs.</th>
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<td>Dipole</td>
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</table>

Hairpin Match - Hairpin LENGTH 0.761 SPACING 1.575 DIAM. 0.0394
To be honest the model doesn’t show a huge improvement over the original 3 ele but now you have the details in case you want to share.

RBS

-----Original Message-----
From: WA6ED <wa6ed@cox.net>
Sent: Wednesday, January 16, 2019 2:50 PM
To: Richard Sanders <g0ery@cox.net>
Subject: 5 element tape measure dimensions

Richard,

Do you still want me to post anything for the Feb 2 SOARA Saturday for a 5 element tape measure antenna?

Eric W6INE was asking about a 5 element on the radio this morning.

73,
Ed, WA6ED

Sent from my iPhone.