

Band 2 6el Narrowband Yagi

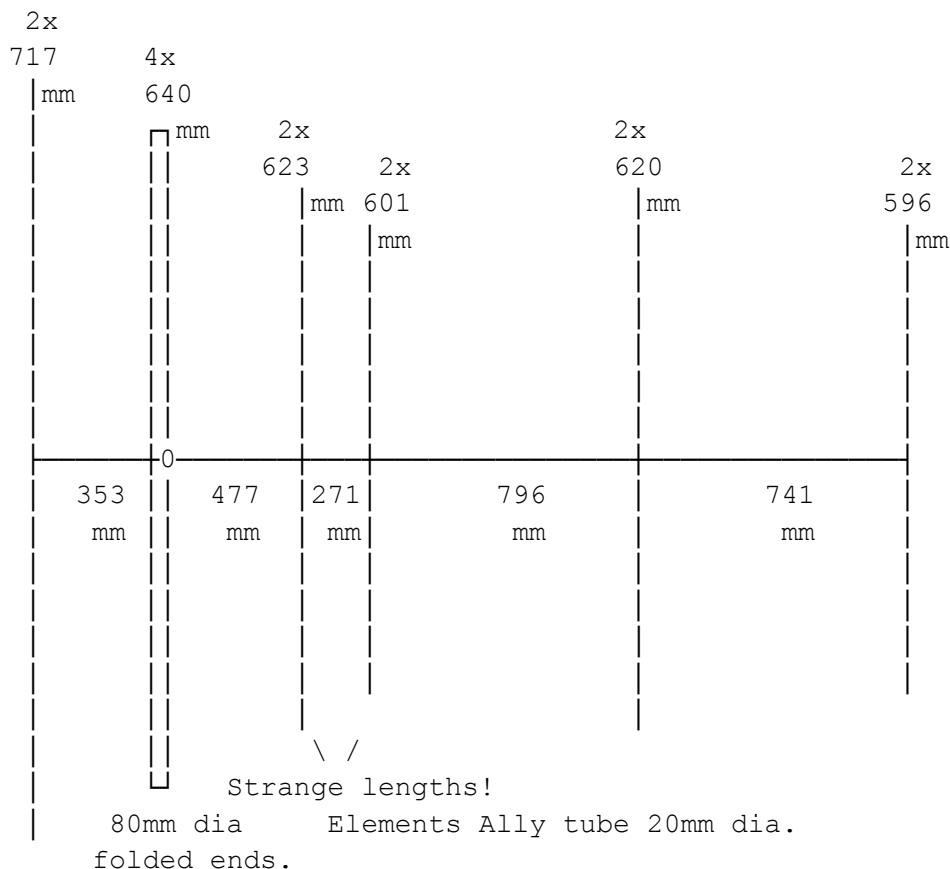
By G8MNY

(Corrected Feb 13)

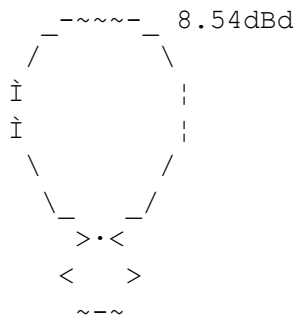
(8 Bit ASCII graphics use code page 437 or 850, Terminal Font)

Well I finally got around to it, I re-designed the large 6el broadband beam I previously made using the MMANA-GAL program (CD 2010 RSGB yearbook & online).

The community radio station SUSY RADIO I do the engineering for, is too far away to hear at my QTH for a normal small aerial. Originally I wanted it to do the whole 20MHz of UK's Band 2 87.5-108MHz. But that was a mistake, as at my QTH I have strong QRM of the back of the aerial, so I re-optimised the design for best front to back ratio on the one frequency of 103.4MHz.

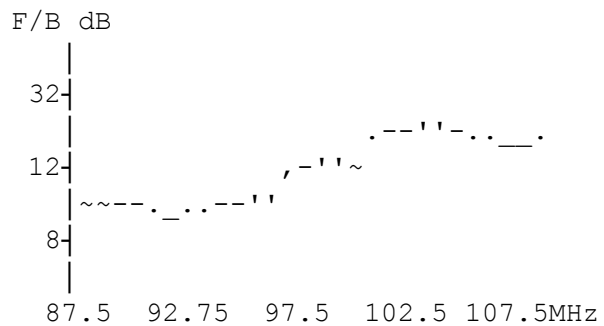
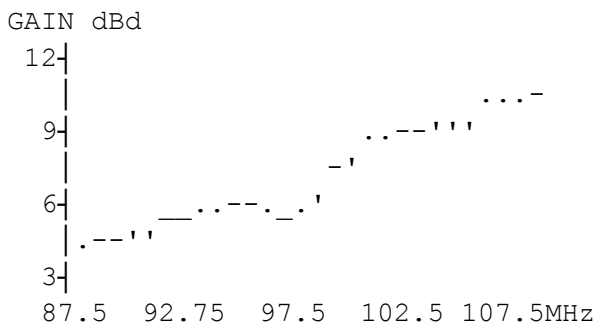
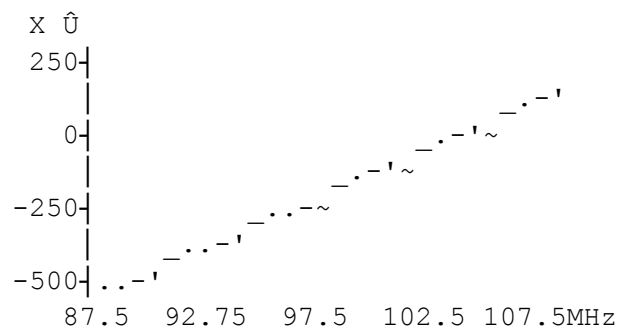
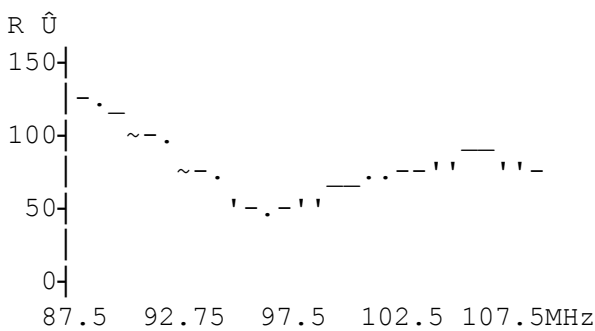
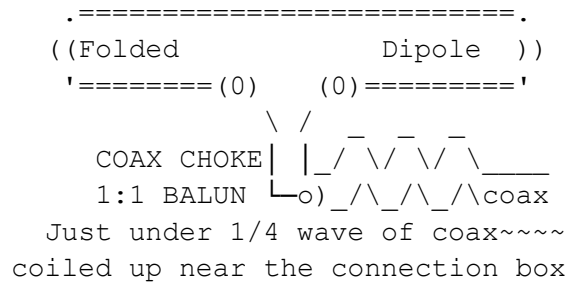
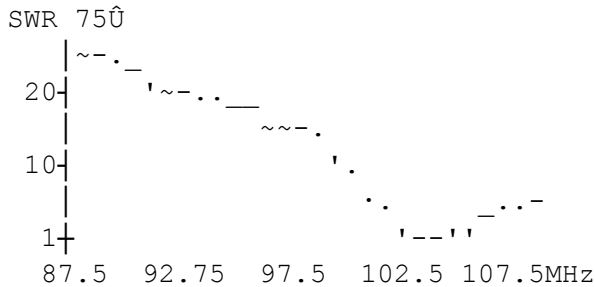


POLAR DIAGRAM



AERIAL IMPEDANCE

The is a good 75 Ohm balanced, so just a 1/4 wave coax choke balun is needed in the coax feeding the connection box.



IN USE

This works well on 103,4MHz. I can now hear my station with very little QRM. Gain about 2dB better than the broadband version & F/B ratio 22dB not 11dB.

See My Tech Bul "Band 2 6el Broadband Yagi"
Why don't U send out an interesting bul?

73 De John, G8MNY @ GB7CIP