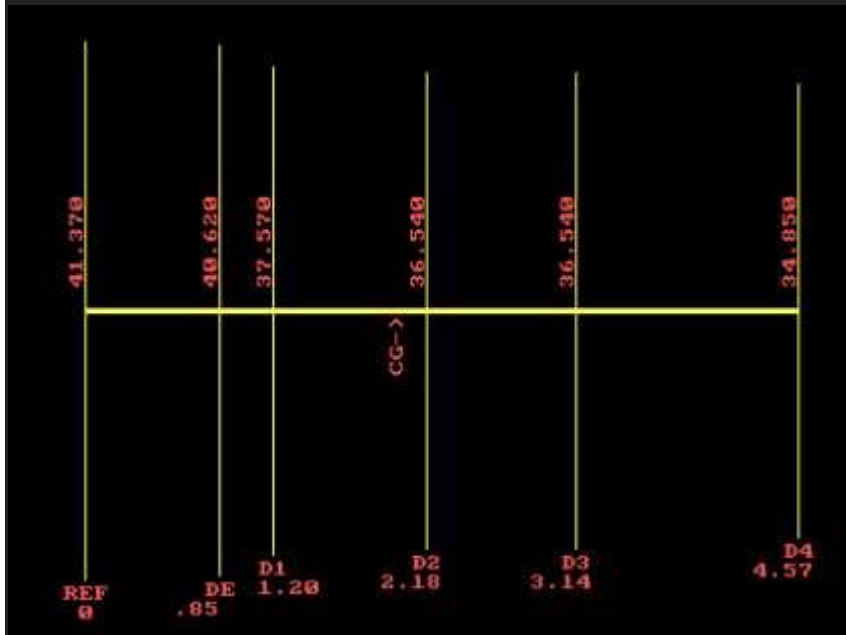
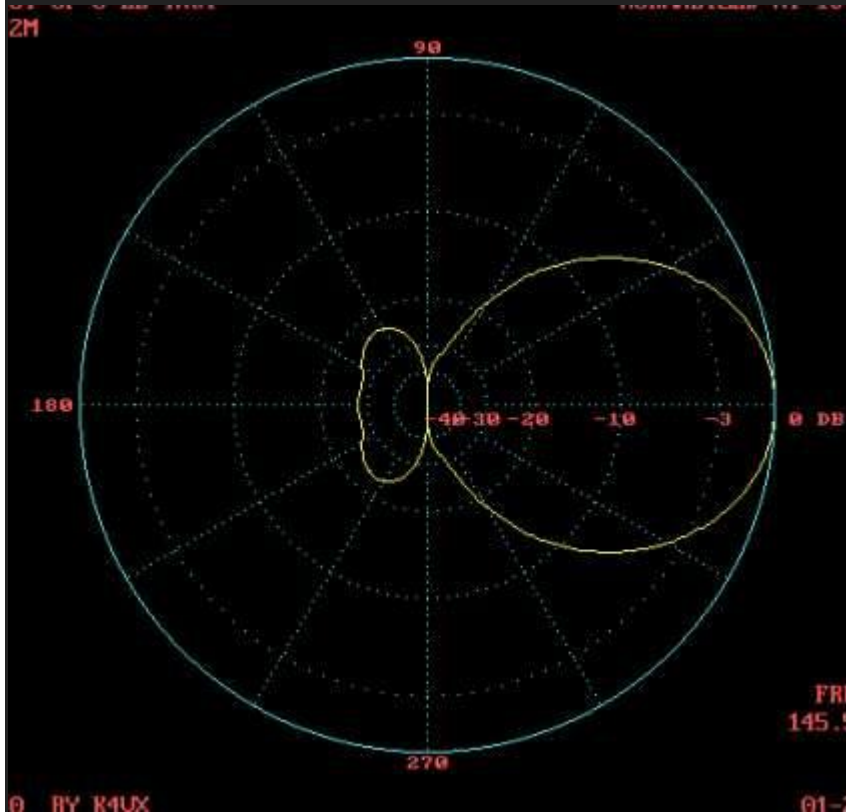


10dBi – 6 Element OWA Yagi Antenna for 2 Meter band plan

Here is a 6 element yagi my friend and I have built for experimenting with directional antenna. Theoretically the antenna has about 10dBi gain in its main lobe and a good Front-to-Back ratio, a perfect substitute if you don't have means to get the popular V24 Silverthunder antenna.



Radiation Pattern Lobes



Dimensions (in inches)

Element, Length, Space from Reflector

Reflector – 40.52, —

Driver – 39.96, 10.13

Director 1 – 37.38, 14.32

Director 2 – 36.31 25.93

Director 3 – 36.31, 37.28

Director 4 – 34.96 , 54.22

Calculated Center of gravity 23.87 inches

Dimensions (in cm)

Element, Length, Space from Reflector

Reflector – 102.92, —

Driver – 101.50, 25.73

Director 1 – 94.95, 36.37

Director 2 – 92.23, 65.86

Director 3 – 92.23, 94.69

Director 4 – 88.80 , 137.72

Calculated Center of gravity :60.66 cm

The plan for the antenna has been taken from LB Cebik website. More article will follow that covers our construction of this Yagi antenna along with our reports of its improvement.