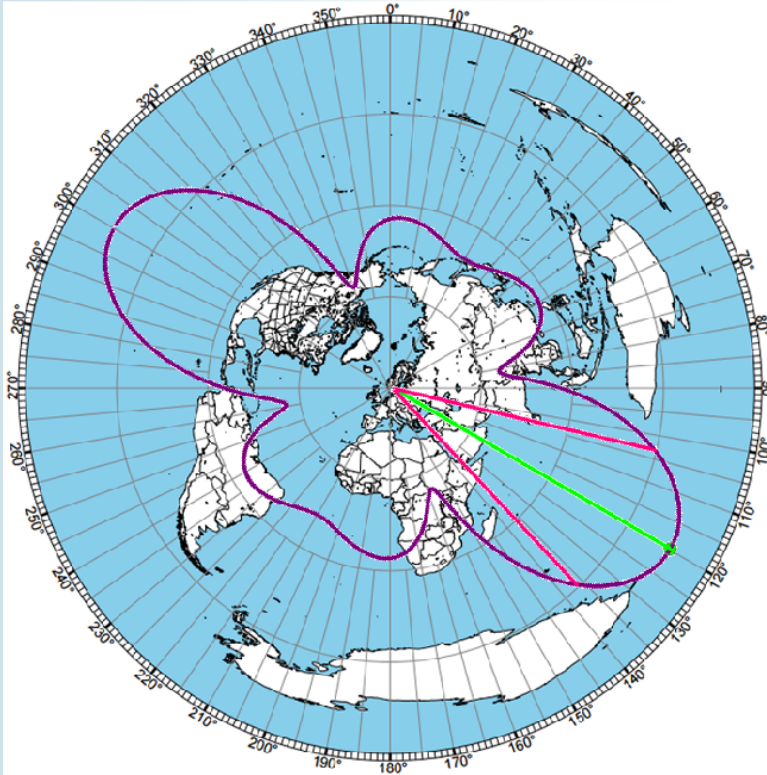


PneumaBeam



Select antenna length

2x27m dipole antenna

2x40.5m dipole antenna

2x54m dipole antenna

Antenna configurations

17m	15m	12m	10m	6m	4m
160m	80m	60m	40m	30m	20m

40m configurations

40m 1	40m 2	40m 3
40m 4	40m 5	40m 6
40m 7	40m 8	40m 9
40m 10	40m 11	40m 12
40m 13	40m 14	40m 15
40m 16	40m 17	40m 18
40m 19	40m 20	40m 21
40m 22	40m 23	

Show antenna Show panels control window

Exit

These antennas are not directional rotary antennas.

But in lack of such an antenna let you rotate your antenna lobes in various directions just by changing the length of your wire antenna and also letting the unused part of the antenna come into play.

High voltage pneumatic switches are used, and each switch is supplied with air pressure for closing. The needed pressure is about 0,4bar, and switching just take a few millisecond.

Black 3mm OD, 1mm ID polyurethane tubing is used for supplying air to the switches.

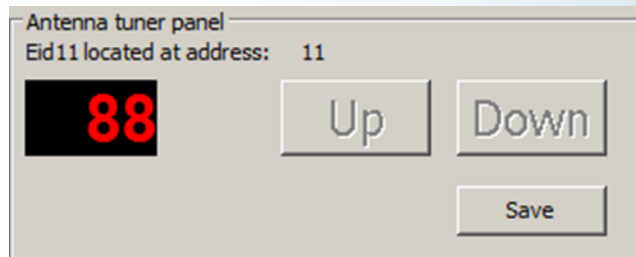
An antenna of 2x40,5m will have a total of 64 different directional diagrams on the higher band and less on the lower bands, like on 40m, 11 different diagrams are useful

40m:



Like the antenna in the above diagram as part of a 2x40,5m long antenna, by using 2x26m of it, it is almost a double ZEPP with additional gain. The antenna is erected in this case at the shown QTH in direction 30/210 degr.

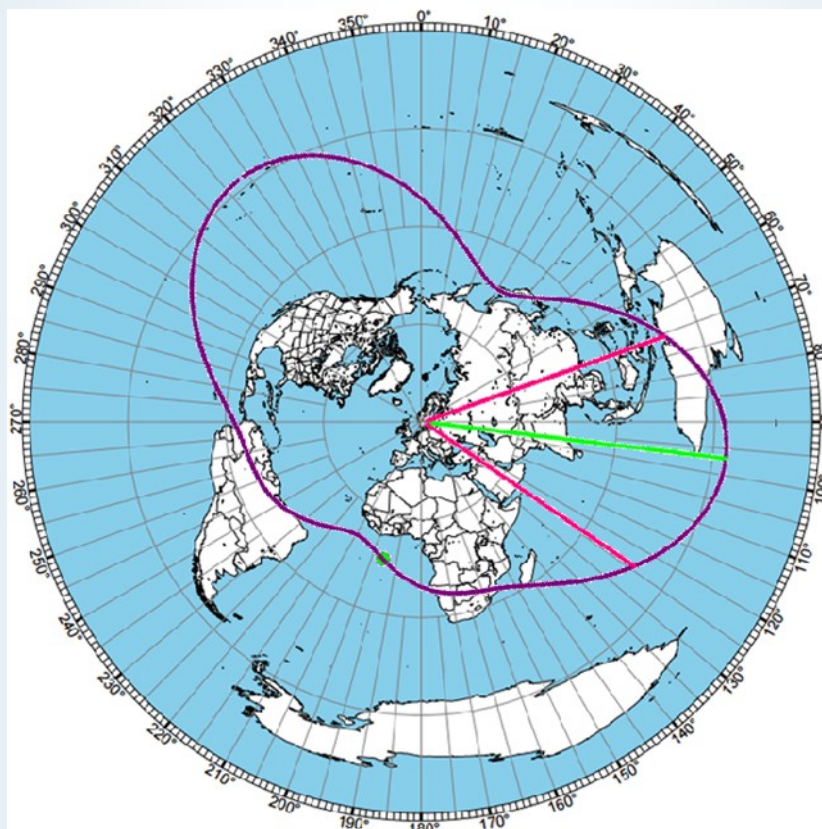
After the antenna is selected the EID11 line tuner can be adjusted for best SWR and the information stored.



By selecting these parts of the antenna:



This diagram is the result:



These antennas will only be made on orders and a quote will be given according to how many switches, antenna length and feeder length.

Very many combinations are possible.

We can also supply free standing vertical antennas with these switches, even in combination with loading coils for better all band performance (optimal take off angle)

Further information can be found on our WEB page shortly after Friedrichshafen.