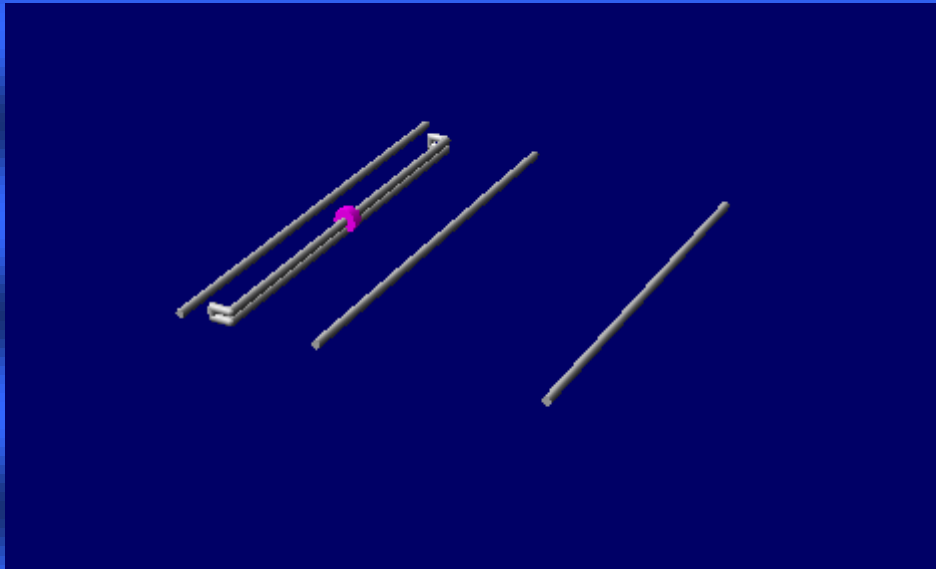


4 elements FMR- Yagi

Designed by: www.hpsd.nl 1.01, nov 2012

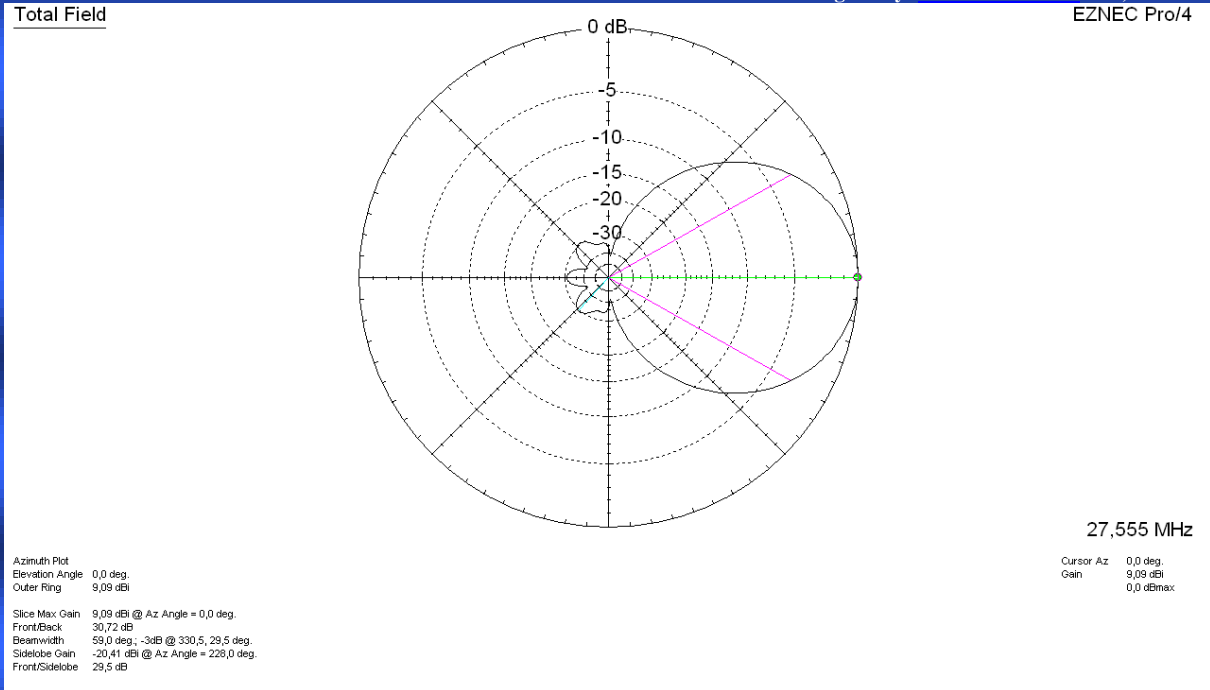
For: DX portion 11 meter band
Antenna Type: FMR
Folded Moxon Radiator (UA9TC/G6XN)
Designed by: HPSD version 1.01 Nov 2012
Boom length: 4 Meter
Gain: 9,09 dBI (@27,555 Mhz)
FB <30 dB
FR <28 dB
Impedance: 50 ohms, direct fed
SWR below 1:1.1 > 400 Khz.
SWR below 2:1 > 800 Khz



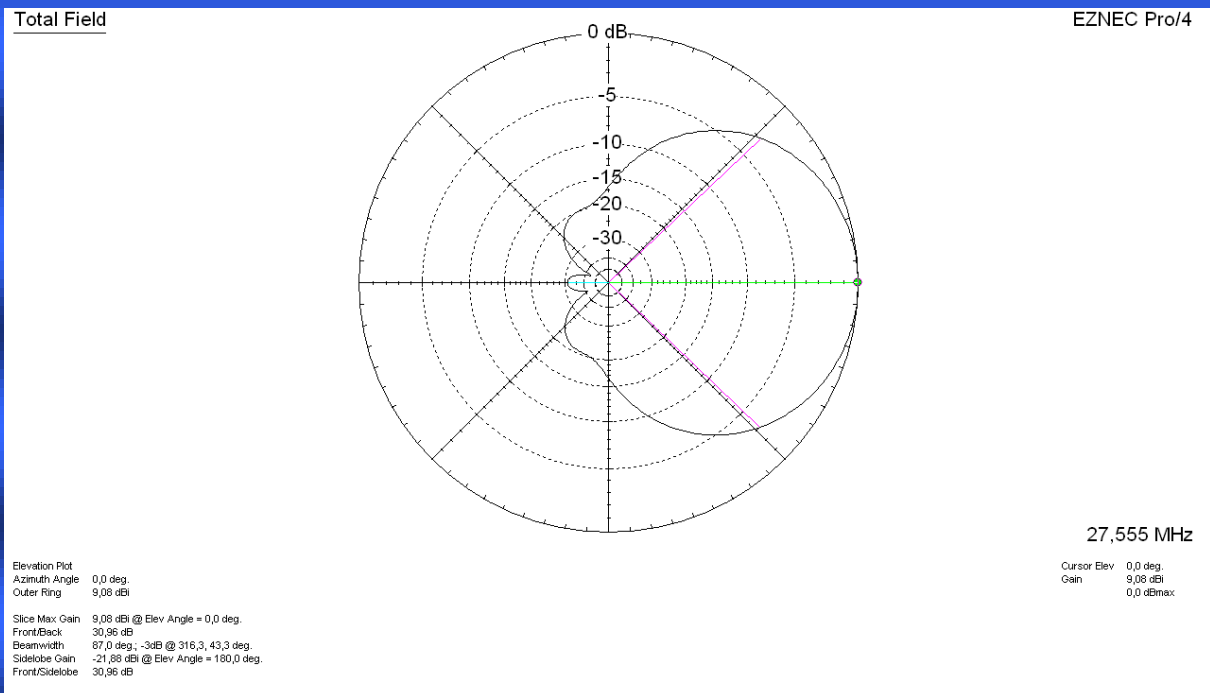
A computerized impression of the elements.
The Backwards bend folded dipole can clearly be seen.

4 elements FMR- Yagi

Designed by: WWW.HPSD.NL 1.01, nov 2012



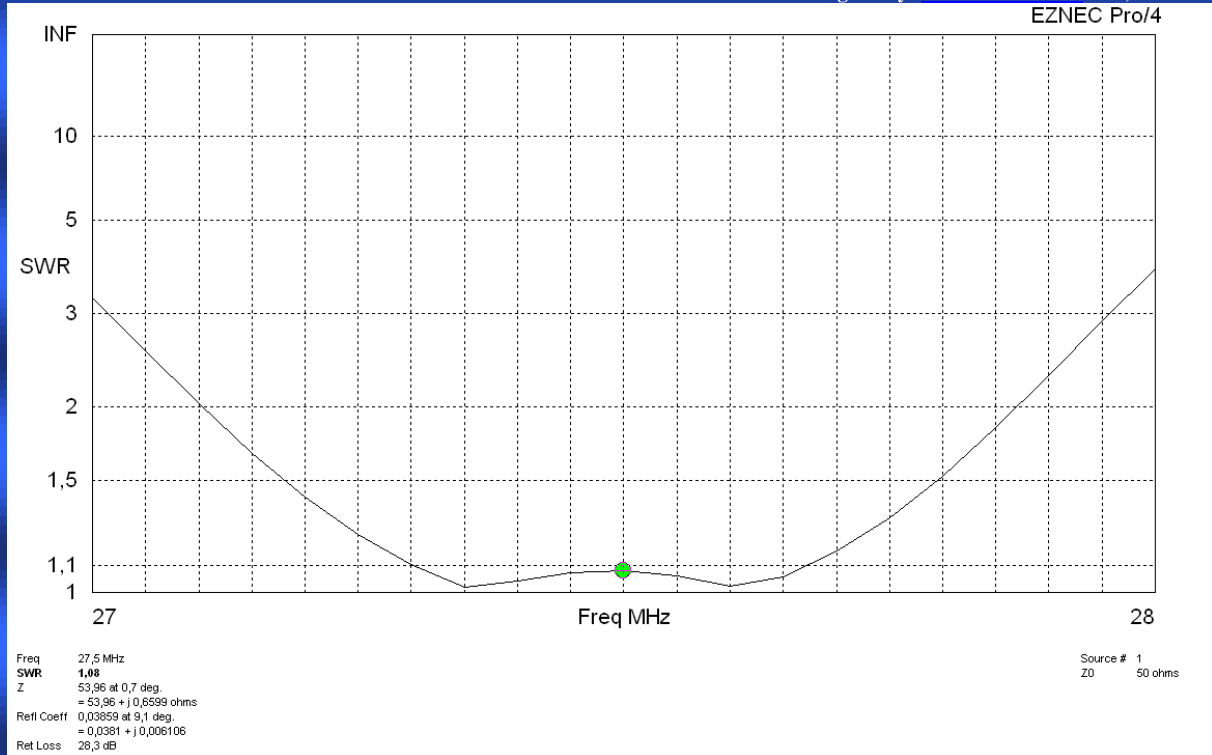
Above the azimuth plot. Producing 9,09 dBi and a front to back over 30 dB.



The elevation plot....amazing tight !

4 elements FMR- Yagi

Designed by: WWW.HPSD.NL 1.01, nov 2012



A direct 50 ohm impedance, NO MATCHING LOSS !
A SWR below 1:1 between 27.3 and 27.65 Mhz

4 elements FMR- Yagi

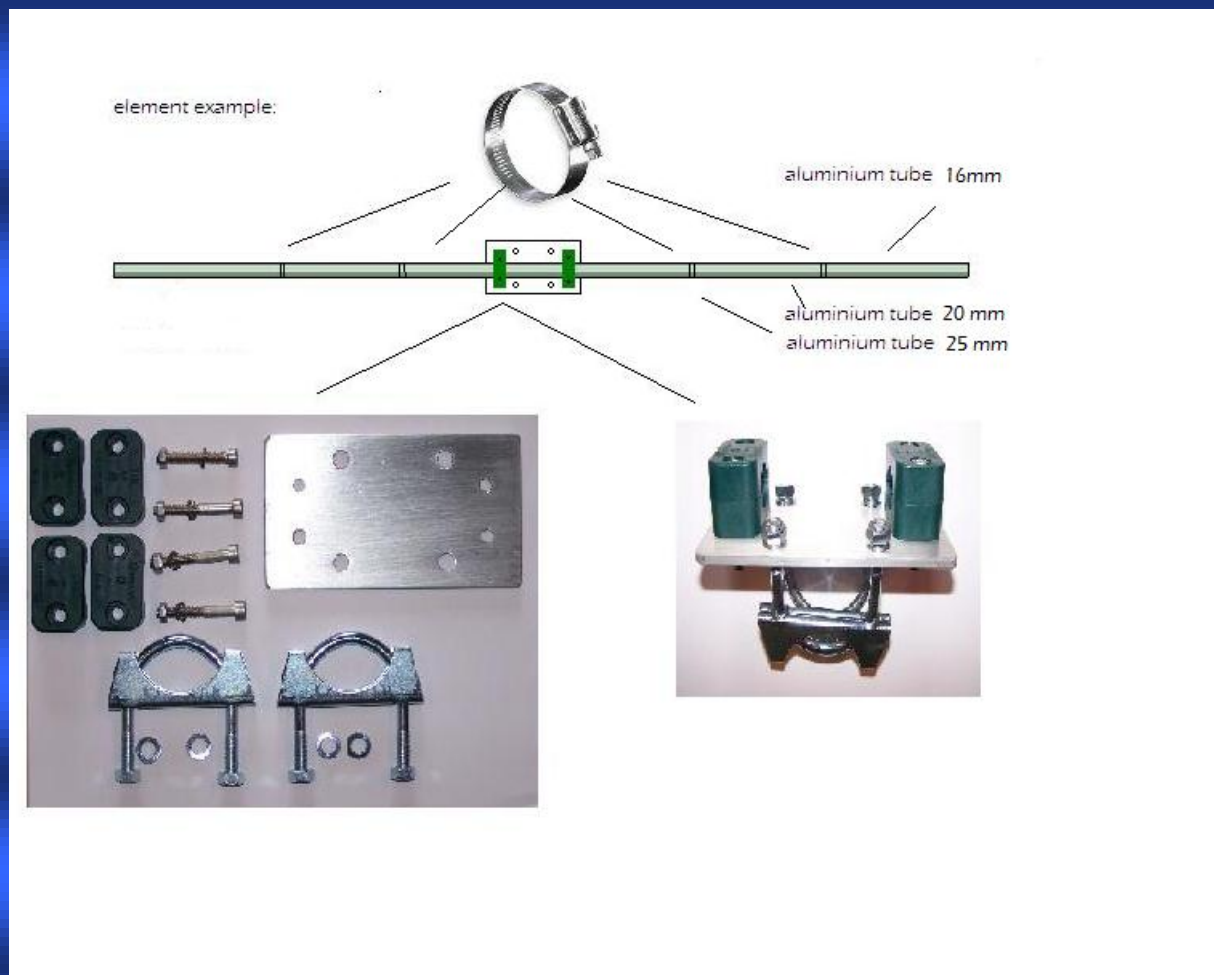
Designed by: www.hpsd.nl 1.01, nov 2012

ASSEMBLY :

Whit the assembly of the antenna please do take your time.
1mm is important !

The element distance is from center to center (of the element)
The element length is from tip to tip (without the black end caps)

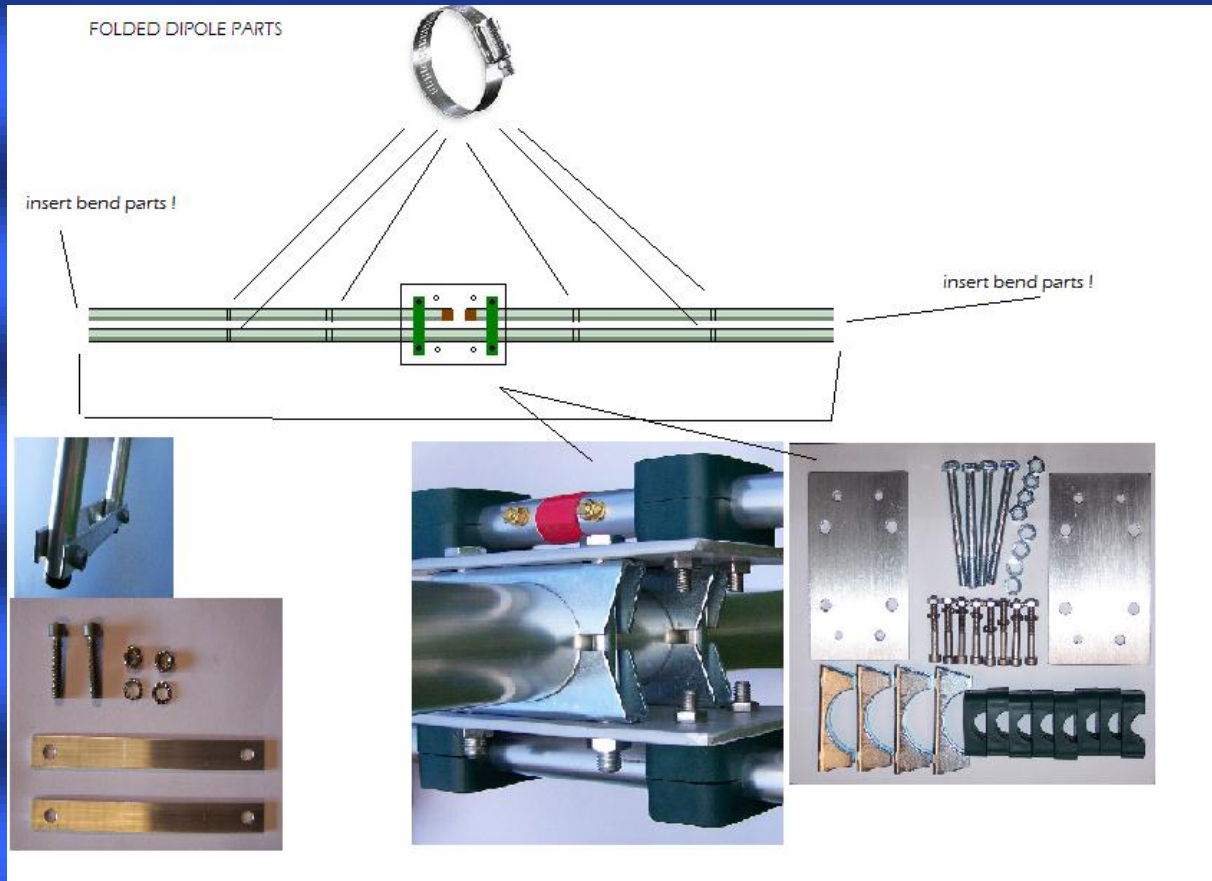
ALL ELEMENTS EXCEPT THE FOLDED DIPOLE RADIATOR!



4 elements FMR- Yagi

Designed by: www.hpsd.si 1.01, nov 2012

The folded dipole assembly:

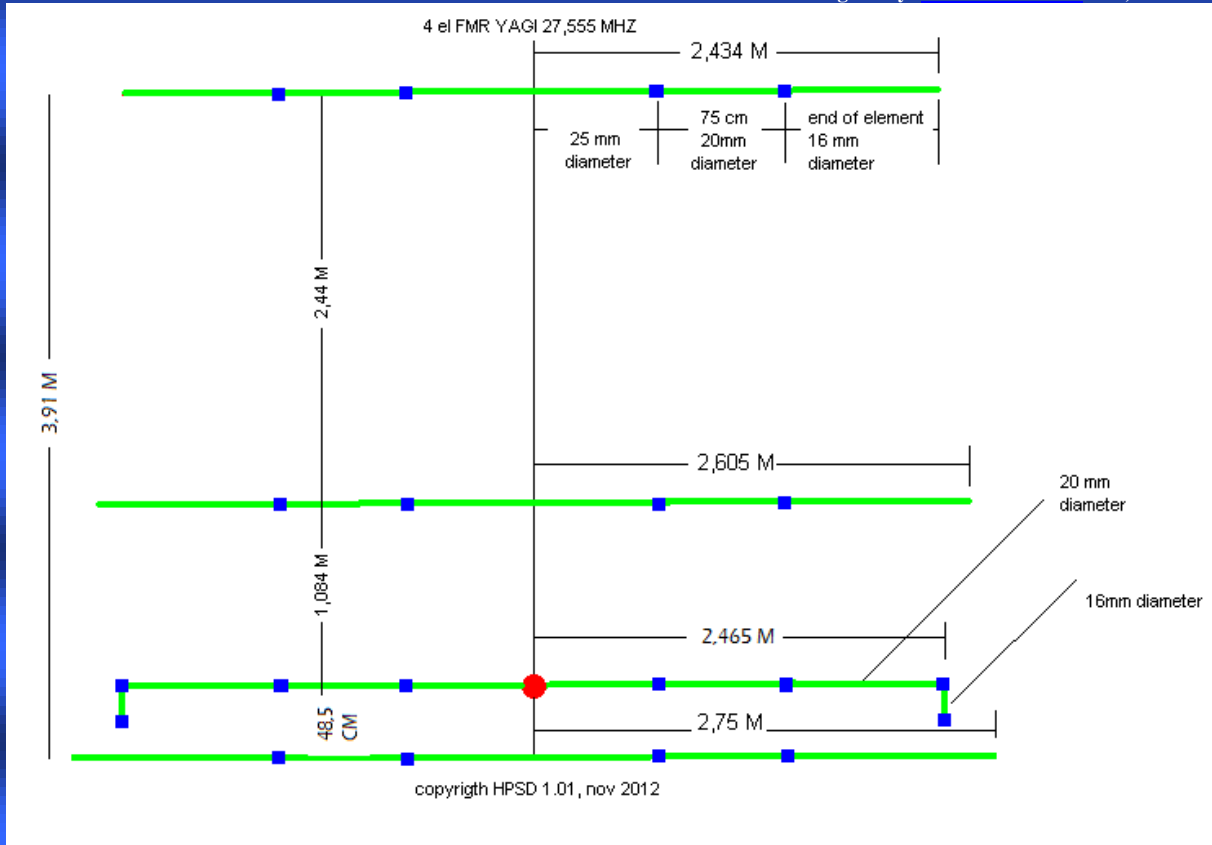


Picture drawing not in perspective!
The picture are.!

- 1-) one tube above the boom and one tube below the boom
The feedpoint is on top of the boom.
- 2-) The cornered pieces are already assembled. All you need to do is insert them as far as you can in the LONG 20mm tubes.
The cornered parts need to point backwards towards the reflector.

4 elements FMR- Yagi

Designed by: www.HPSD.nl 1.01, nov 2012



If you have any further questions about the antenna please feel free to ask !

If for some reason you sell the antenna to another, we would kindly ask you to inform us.

This is for two reasons first of all, we know now where each antenna is, if for some reason there is an update we can contact the owner.

Secondly if people have questions about the antennas or need spare parts I can look up which antenna a person has and how it was made.

Thank you in advance!

The only thing remaining is wishing you all the best and lots of DX with your new antenna!

Kind regards,

Henry Poelman

Tel: 0031620278007 or mail info@HPSD.nl

www.HPSD.nl