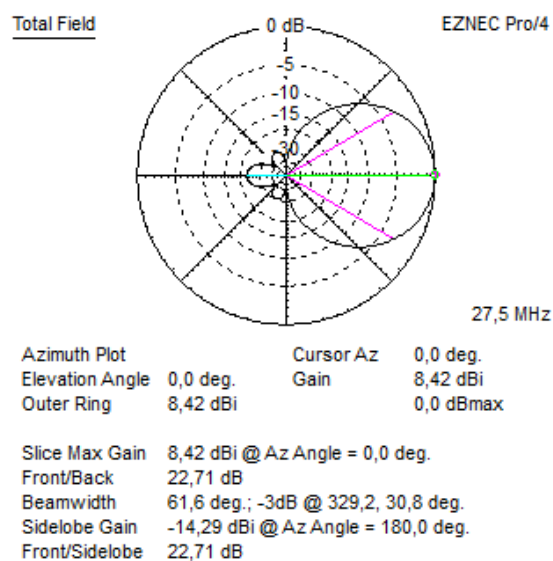


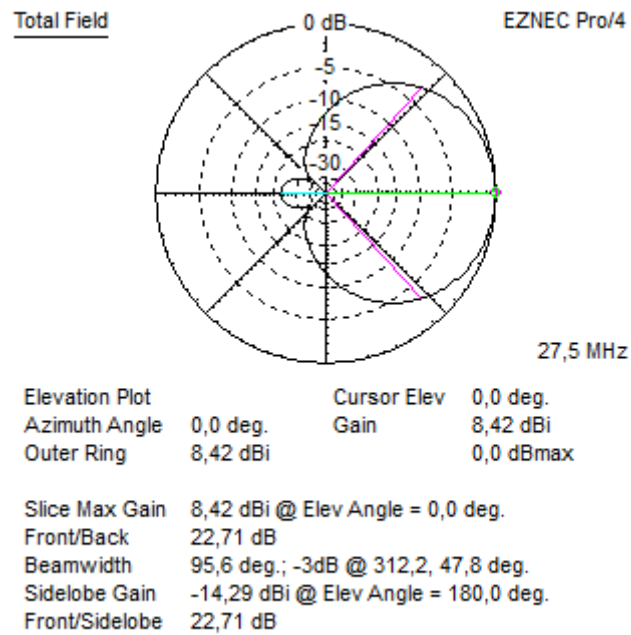
## 3,82 M 4el OWA 8,42 dBI



For: DX portion 11 meter band  
Antenna Type: 4el OWA-YAGI  
                  optimum wide band array  
Designed by: HPSD version 1.01 Nov 2005  
Boom length: 3,82 Meter  
Gain: 8,42 dBI (@27,555 Mhz)  
FB <22 dB  
FR <22 dB  
Impedance: 50 ohms, direct fed  
SWR below 1:1.1 > 350 Khz.  
SWR below 2:1 > 1700 Khz

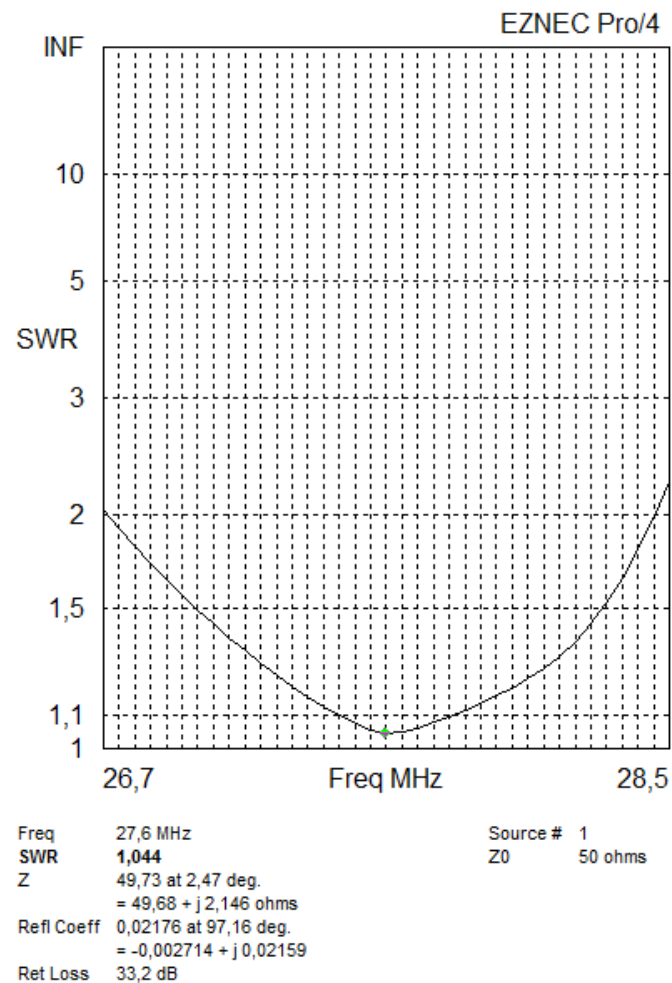


Above the azimuth plot. 8,42 dBI gain.



Above the freespace elevation plot.

Below the predicted SWR plot:



All elements are made from:

3 meter long 22 mm tubes (center piece) inserted with 18mm (end tips).

*Distances:*

Reflector: Radiator = 1,329 Meter

Reflector: Director 1 = 1,834 meter

Reflector: Director 2 = 3,82 Meter

*Length:*

Reflector = 2x 2,736 Meter (5,472 Meter)

Radiator = 2x 2,657 Meter (5,314 Meter)

Director 1 = 2x 2,523 Meter (5,046 Meter)

Director 2 = 2x2,4062 Meter (4,813 Meter)