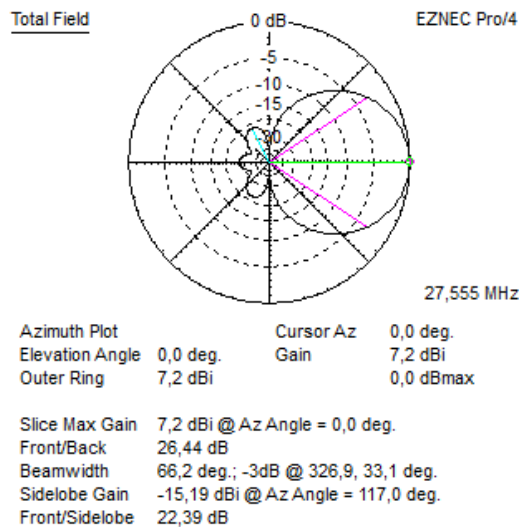
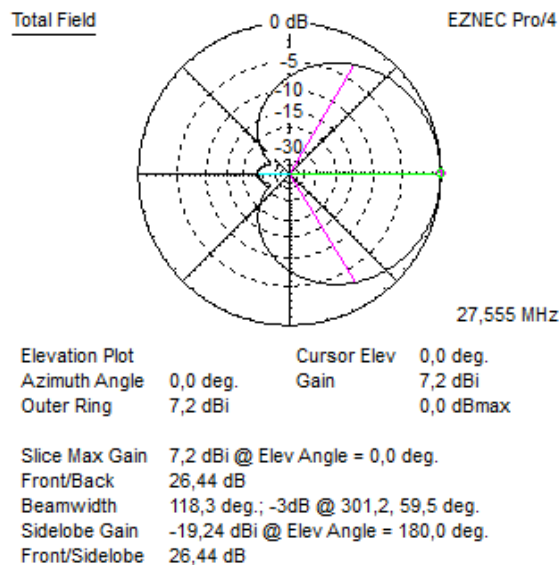


# 1,74 M 3el F-Yagi

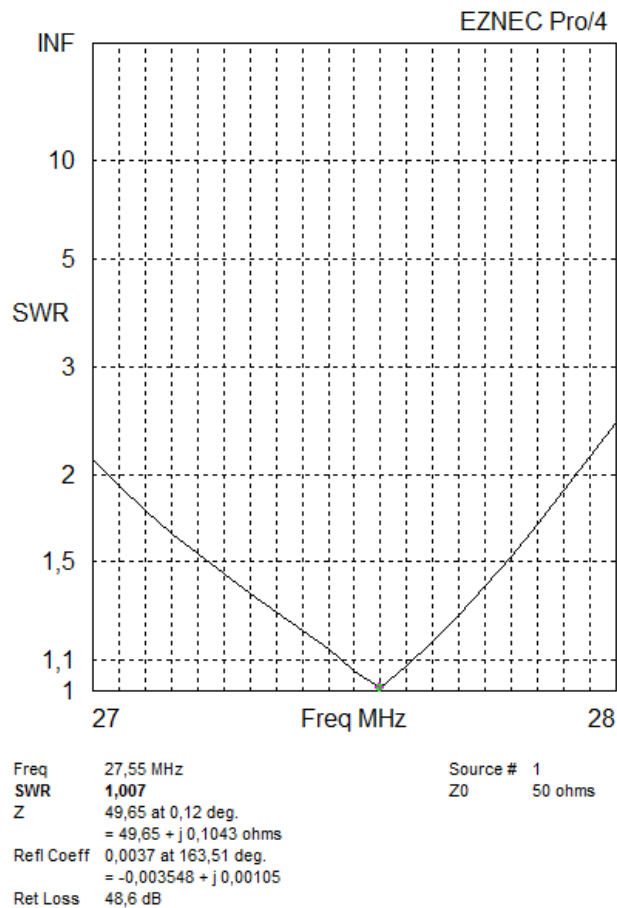
For: DX portion 11 meter band  
Antenna Type: 3el F-YAGI  
Folded Dipole radiator  
Designed by: HPSD version 1.01 Nov 2011  
Boom length: 1,74 Meter  
Gain: 7,2 dBi (@27,555 Mhz)  
FB <26 dB  
FR <22 dB  
Impedance: 50 ohms, direct fed  
SWR below 1:1.1 > 150 Khz.  
SWR below 2:1 > 800 Khz



Above the azimuth plot. In 7,2 dBi



Above the free space elevation plot



All elements are made out of 25mm, 20 and 16 mm

The 25mm is the centrepiece and 2 meter long,

The 20mm is 1 meter long and is inserted 15cm inside the 2 meter tube. (85cm visible)

The 16mm tube is inserted in the 20mm tube and needs to be as long as the total element length.

### **Distances:**

reflector – radiator = 0,425

Reflector- director1 = 1,74 Meter

### **Length:**

Reflector: 2,845 Meter x 2 (total 5,69 meter)

Radiator: 2,635 Meter x2 (total 5,27 Meter)

Director: 2,51 Meter x2 (total 5,02 Meter)

The folded dipole elements are 11cm separated.