

# RFCO-A

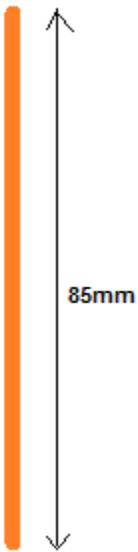
## Antenna info

### Overview:

- **Antenna description:**

The antenna is a piece of wire and used in a monopole arrangement. Antenna is permanently attached to the units. Antenna does not use reverse polarity connector.

### Antenna Drawing



### Antenna design/Simulation data:

Frequency 433.420 MHz

Length 85mm

Diameter 0.085 inches

Capacitance 45.42 pF

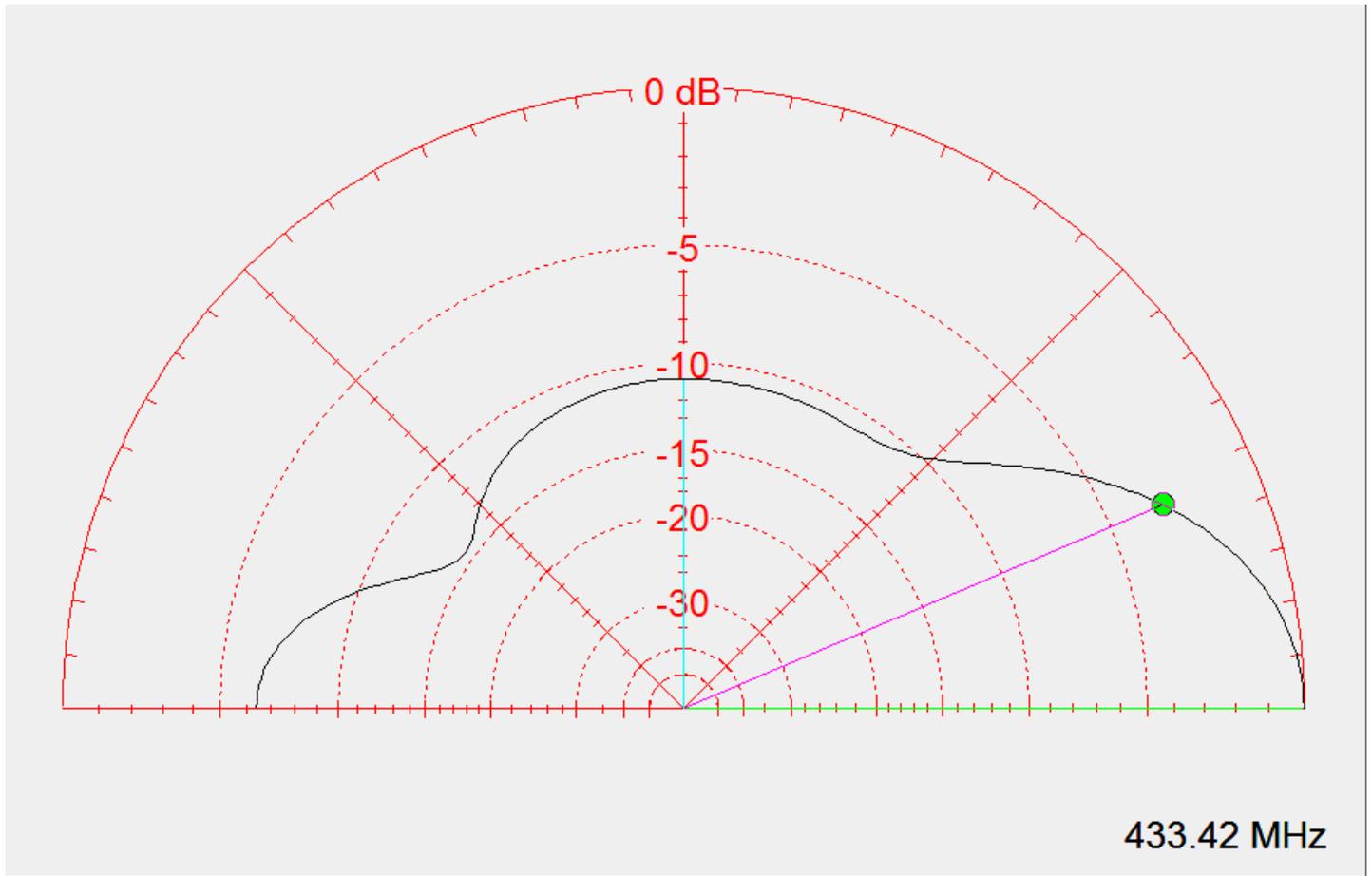
Inductance 14.85 nH

Quarter Wavelength 0.115 m

Antenna Gain 2.35dBi

Radiation Resistance 0.53 Ohms

# Antenna Gain 2.35dBi



433.42 MHz

Elevation Plot		Cursor Elev	23.0 deg.
Azimuth Angle	0.0 deg.	Gain	2.35 dBi
Outer Ring	5.34 dBi		-2.99 dBmax
Slice Max Gain	5.34 dBi @ Elev Angle = 0.0 deg.		
Beamwidth	?; -3dB @ 23.0 deg.		
Sidelobe Gain	-5.51 dBi @ Elev Angle = 90.0 deg.		
Front/Sidelobe	10.85 dB		