

# RF-ARGB

## Antenna info

### Overview:

- **Antenna description:**

The antenna is a bro's wire antenna. Used in a monopole arrangement.

### Power:

- Unit is powered by CR123A 1550mAh (x2) battery.

### Antenna design:

Frequency 319.508 MHz

Length 2.11 inches

Diameter 0.058 inches

Capacitance 3.237 pF

Inductance 12.194 nH

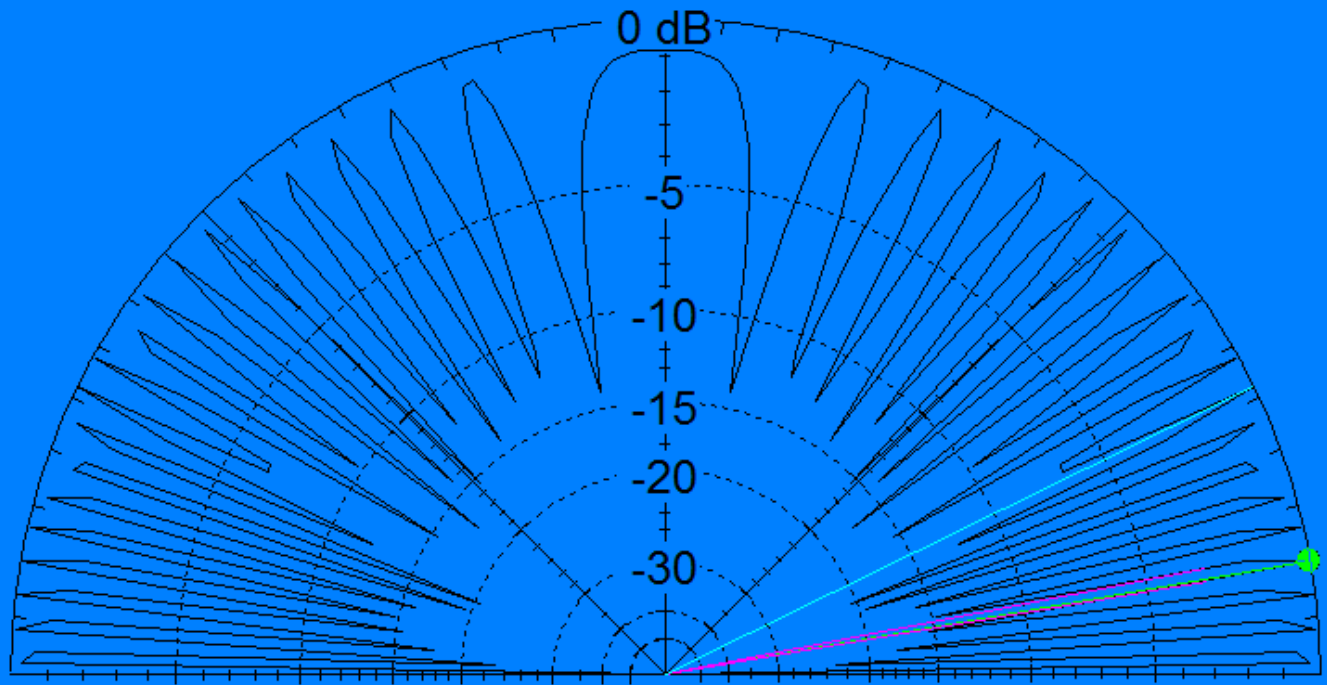
Quarter Wavelength 0.115 m

Antenna Length 45.10 %

Radiation Resistance 0.20 Ohms

# Total Field

# EZNEC Demo



319.508 MHz

### Elevation Plot

Azimuth Angle 0.0 deg.  
Outer Ring 4.66 dBi

Cursor Elev 10.0 deg.  
Gain 4.66 dBi  
0.0 dBmax

Slice Max Gain 4.66 dBi @ Elev Angle = 10.0 deg.  
Beamwidth 1.3 deg.; -3dB @ 9.8, 11.1 deg.  
Sidelobe Gain 4.66 dBi @ Elev Angle = 26.0 deg.  
Front/Sidelobe 0.0 dB