

Dockon CPL Antenna Specifications

Antenna type: 915MHz CPL Antenna

P/N: ECA1C-915-RevU

Frequency range: 882-948MHz

Peak Gain: +3 dBi

Impedance: 50 Ohm

Radiation Pattern: Omnidirectional

Polarization: Linear

VSWR: < 2:1 [882-948MHz]

Height: 3 inches (76.2mm)

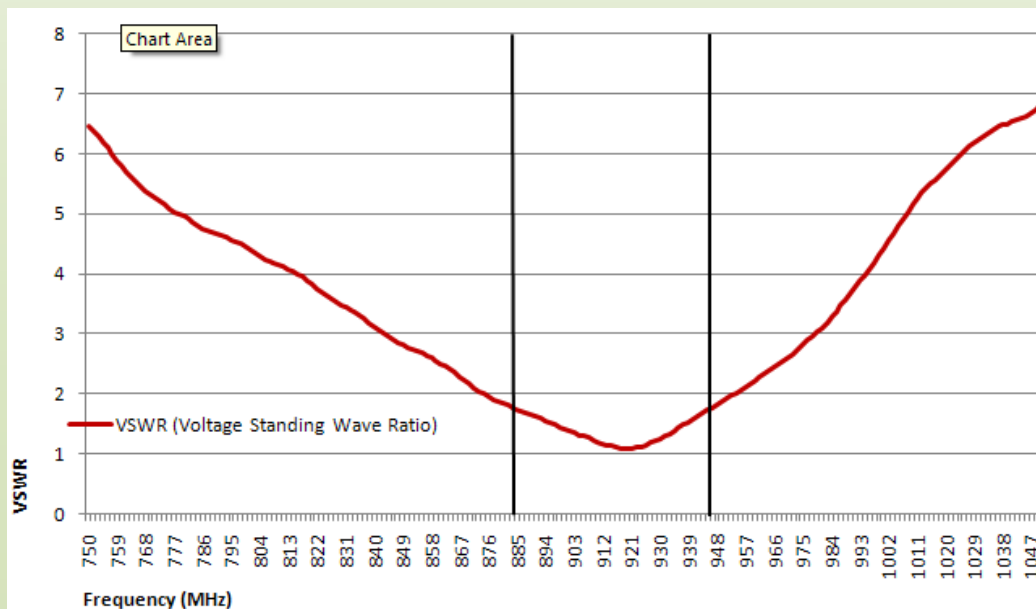
Width: 3 inches (76.2mm)

Product Features:

- Self Contained Counterpoise (No Ground Plane Needed)
- 3"x 3"
- 50 ohm feed
- .062" FR4, Single sided
- Available in a Gerber file and other common formats

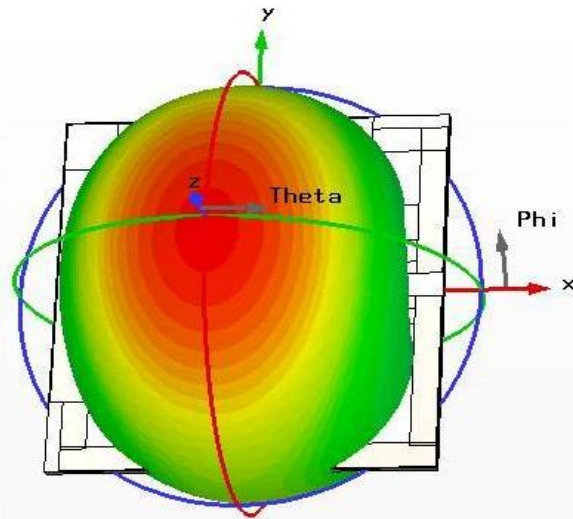
VSWR (Voltage Standing Wave Ratio) versus Frequency (MHz)

- <2:1 [882-946MHz]
- 1.1:1 at 915MHz

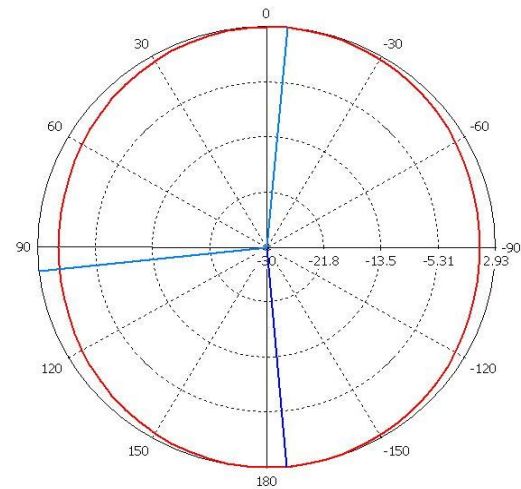


Dockon CPL Antenna Specifications Cont.

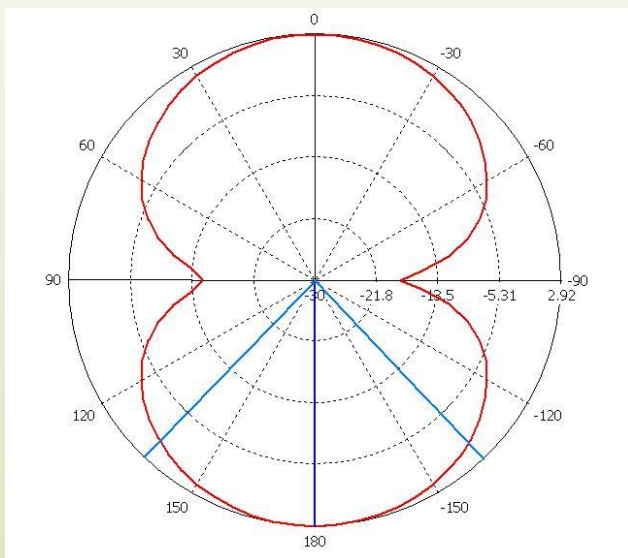
Radiation Pattern at 915MHz



Gain(dB): Theta=90° cut (YZ Plane)



Gain(dB): Phi=0° cut (XZ Plane)



Gain(dB): Phi=90° cut (XY Plane)

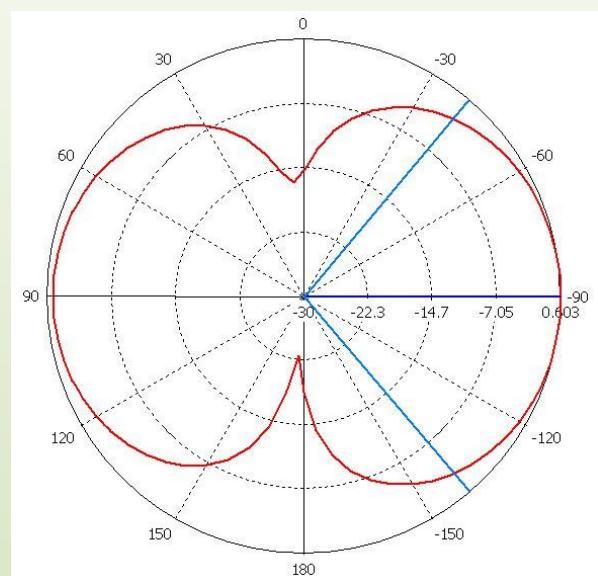


Table 1: Antenna Gain and Efficiency

Gain	Peak Gain (Measured)	+3 dBi
Efficiency	Peak Efficiency (Simulated)	92%