

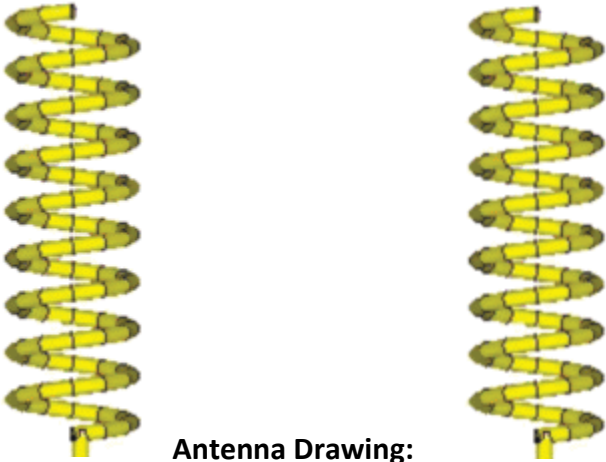
# RF-RDWS-345-NN

## Antenna info

### Overview:

#### Antenna description:

- The antenna is a piece of wire and used in a monopole arrangement. Antenna is permanently attached to the unit. The antenna does not use reverse polarity connector.
- Both antenna characteristic was the same



### Antenna design:

#### Left Antenna

Antenna specification					
Frequency band 345MHz					
Frequency (MHz)	325	330	345	450	355
Return loss (dB)	< -13				
Peak gain (dBi)	0.412	0.22	-0.93	1.67	1.87
Average gain (dBi)	-1.34	-3.6	-2.95	-1.9	-1.97
Efficiency (%)	33.8	37.86	48.8	68.3	68.83

#### Right Antenna

Antenna specification					
Frequency band 345MHz					
Frequency (MHz)	325	330	345	450	355
Return loss (dB)	< -13				
Peak gain (dBi)	0.412	0.22	-0.93	1.67	1.87
Average gain (dBi)	-1.34	-3.6	-2.95	-1.9	-1.97
Efficiency (%)	33.8	37.86	48.8	68.3	68.83