



ECO5-915 with
N Jack (Female)

Recessed N
Plug (Male)

Omni-directional ISM 915 MHz Systems

- Economical, weatherproof and durable
- Designed for both indoors and outdoors
- Can be pole or directly mounted on N connector

The ECO5-915 covers 902-928 MHz. It was designed specifically for ISM applications in the 902-928 MHz band. The antenna offers easy installation, compact size and efficient electrical performance.

Cable assemblies are available from Mobile Mark to connect the site antenna to the modem. These cable assemblies can be custom produced for any length.

The ECO Series are free space antennas; no ground plane is required so the antenna can be mounted just about anywhere. Standard mounting hardware is included for pole mounting.

There are two connection options available. The ECO5 typically terminates with an integrated N-jack (female) connector at the base of the antenna.

There is also an ECO5-915RN with a recessed N-plug, enabling the antenna to be surface mounted. No additional hardware is required for this model.

The standard ECO5-915 configuration easily mounts on to poles up to 2" (5 cm) in diameter.

The second configuration, the "RN" model, terminates with a recessed N-plug (male) connector built into the base of the antenna. These antennas are typically attached directly to a device or installation box.

Model #	Connector
ECO5-915-WHT	Standard N Jack (Female)
ECO5-915RN-WHT	"Recessed N" Direct mount with N Plug (Male)
<u>Color options available for above models</u>	
WHT-White	

Specifications			
Frequency/Gain:	902-928 MHz, 5 dBi gain	Radome Material:	White fiberglass
VSWR:	2:1 max over range	Connector:	N-jack (female)
Impedance:	50 Ohm nominal	ECO5-915	Direct mount option
Max Power:	10 Watts	ECO5-915RN	Recessed N Plug (Male)
ECO5 Beamwidth	22° El, 360° Az	Antenna Length:	23.5 in (59.6 cm)
Operating Temp:	-40° to +80° C	Weight:	
Lightning Protection:	External recommended	ECO5-915	5 oz. (.14 kg)
Max Wind Velocity:	100 mph (160 kph)	ECO5-915RN	8 oz. (.22 kg)
Antenna Diameter:	0.63 in (1.6 cm) Radome, 0.9 in (2.3 cm) at the base	Shock & Vibration:	EN 61373, EN 300 019-2-4, MIL 810G, IEC 60068, IEEE 1478
Pole Mounting:	Mounts up to 2" (5cm) diameter pole	Water Ingress	IPx5
Surface mount option:	Recessed N (Male)		