

Kathrein Scala E-911 antennas feature:

- Receives both GPS precision timing signals and wireless phone bands.
- TDOA (time-difference of arrival) systems ready.
- Assists in compliance with FCC GPS location requirements.
- All the metal parts are DC grounded.

Wireless specifications: (Receive only)

Frequency range	824–894 MHz 1850–1990 MHz
Gain	824–894 MHz 1.5 dBi 1850–1990 MHz 2 dBi
VSWR	824–894 MHz < 2.0:1 1850–1990 MHz < 2.0:1
Impedance	50 ohms
Polarization	Vertical
H-plane beamwidth	Omni
E-plane beamwidth	824–894 MHz 75 degrees (half-power) 1850–1990 MHz 65 degrees (half-power)
Connector	N female



GPS specifications:

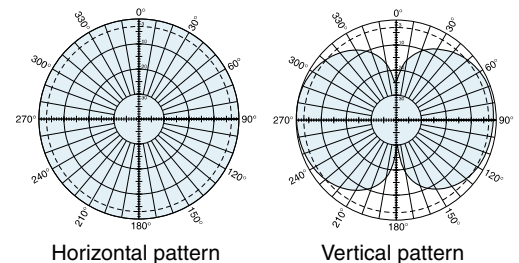
Frequency range	1575.42 ± 10 MHz
Gain	4 dBic
Pre-amp filtering (typical)	-30 dB at ± 100 MHz
Polarization	Righthand circular
H-plane beamwidth	Omni
E-plane beamwidth	105 degrees (half-power)
LNA gain	>26 dB
Noise figure (including pre-filtering)	<1.6 dB
VSWR	Antenna <1.5:1 LNA <2:1
Connector	N female
DC power	+5 Vdc, 20 mA through N output connector
Temperature range	-35° C to +70° C

Mechanical specifications:

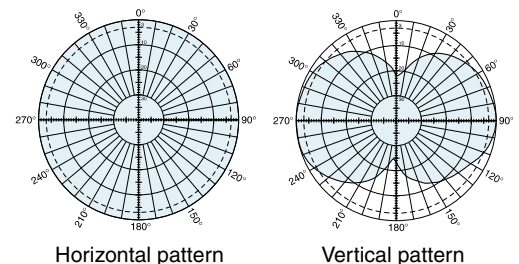
Weight	1.65 lb (0.75 kg)
Height	13 inches (330 mm)
Radome diameter	2 inches (51 mm)
Wind load	at 93 mph (150kph)
Side	4 lbf (15 N)
Wind survival rating	120 mph (200 kph)
Mounting	Hardware is included for mounting to a 2.125 to 3 inch (75 to 55 mm) OD mast.

See reverse for order information.

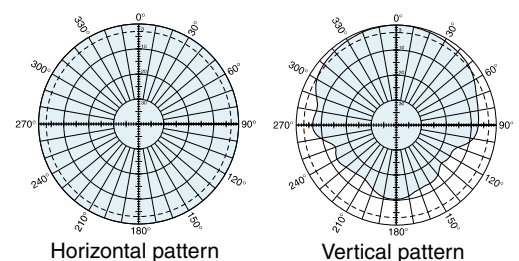
824–894 MHz



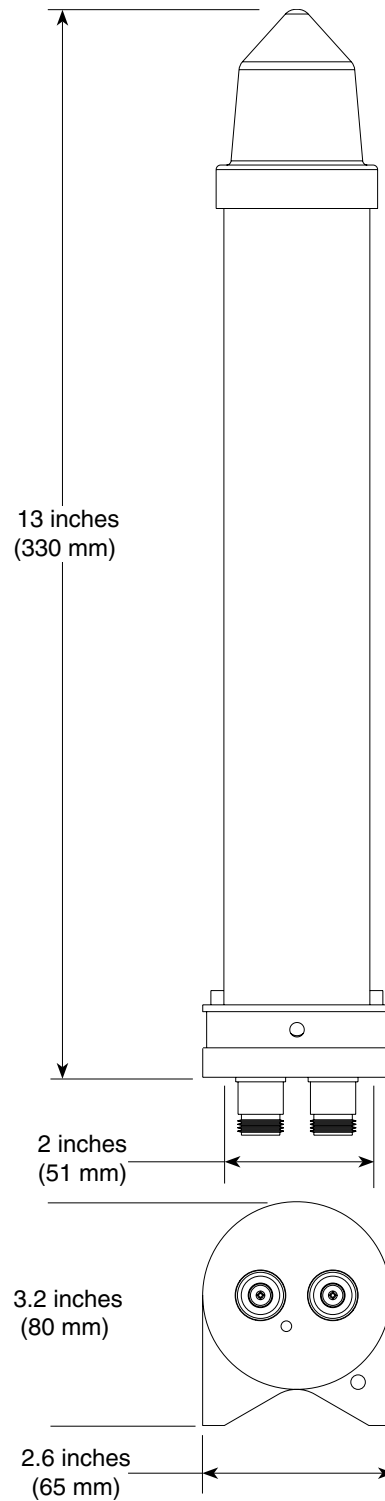
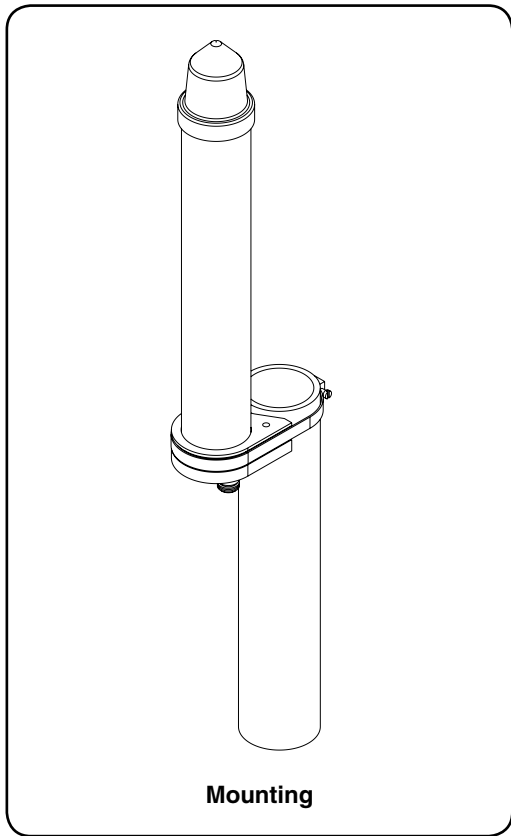
1850–1990 MHz



1575 MHz



10816-C



Order Information:

Model	Description
OG-860/1920/GPS-A	Dualband Wireless/GPS Antenna

All specifications are subject to change without notice. The latest specifications are available at www.kathrein-scala.com.

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