

# MULTI-FREQUENCY, MULTI-GNSS BEACON ANTENNA



The A43 antenna adds precision, reliability, and value to our leading Eclipse™ GPS technology. The A43 antenna is a multi-GNSS precision antenna and is ideal for various applications including construction survey, RTK positioning and navigation, precise guidance, and machine control. Use the A43 antenna in challenging environments (such as near buildings and foliage) as it has superior multipath mitigation, stable phase center and strong SNR's even at low elevations.

#### GNSS Sensor

**Signals Received:** GPS L1/L2/L5, GLONASS L1/L2, BeiDou, SBAS, and Galileo E1

**GNSS Frequency:** 1.200 to 1.253 GHz  
 1.525 to 1.613 GHz

**LNA Gain:** 30 dBn

**LNA Noise:** 2.0 dB, typical

#### Beacon Sensor

**Beacon**

**Frequency:** 283.5 - 325 KHz

**Beacon LNA Gain:** 30 dB

#### L-Band Sensor

**L-Band**

**Frequency:** 1.525 - 1.585 GHz

**L-Band LNA Gain:** 30 dB

#### Power

**Input Voltage:** 5-12 VDC

**Input Current:** 50-60 mA, typical

#### Mechanical

**Enclosure:** Lexan

**Dimensions:** 10.4 H x 14.5 D (cm)

4.1 H x 5.7 D (in)

**Weight:** .73 kg (1.6 lbs)

**Mount:** 1-inch coarse thread (5/8" adapter available)

**RF Connector:** TNC (straight)

#### Environmental

**Storage**

**Temperature:** -40° C to +85° C (-40°F to +185°F)

**Operating**

**Temperature:** -40° C to +70° C (-40°F to +158°F)

**Enclosure Rating:** IP69K

**Shock/Vibration:** EP455

**Humidity:** 96% non-condensing