The Xtreme-Radiator is an enhanced version of our best-selling Super-Radiator with a wider re-radiating range of 30 meters. This excellent GPS L1 band signal re-radiating antenna features dual antennas to re-transmit real-time GPS satellite outdoor receptions to an indoor environment. Designed to operate as a whole, the system kits are composed of a highly sensitive external GPS antenna, precisely calibrated amplifier circuit with Helix type indoor re-radiating antenna and a built-in power supply regulator. The Helix type indoor antenna system allows multiple GPS receiver users to perform on-the-fly normal receiver operation within a closed environment, while the main GPS antenna is installed on an unmanned location outdoors.

Warning: Be sure the re-radiating antenna does not have a line of sight to the GPS antenna as this can cause a feedback loop.

**External Antenna Specifications**

- **T<sub>a</sub>:** 25°C
- **Frequency:** L1 band 1.575GHz
- **Bandwidth:** 50MHz
- **Noise Figure:** 1.3dB
- **Output SWR:** 2.0:1
- **DC Input:** 4.5V to 5.5V DC

**Re-Radiating Antenna Specifications**

- **T<sub>a</sub>:** 25°C
- **Frequency:** L1 Band 1.575GHz
- **Bandwidth:** 20MHz
- **Impedance:** 50ohm
- **Noise Figure:** 2.0dB
- **Output SWR:** 1.6:1
- **Element:** Helix type
- **Polarization:** RHCP
- **RF Out - at 1dB Gain Compression:** -2.0dBm
- **DC Input:** 6V to 30V DC
- **Power Consumption:** 55mA
- **Re-Radiating Distance:** ~30m

**Features**

- Re-radiating distance of approximately 30m
- Independent power source
- Multiple users can share one signal
- Re-transmits GPS signals to an otherwise unreachable location

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