

Item no.: A-XPOL-0002-V3-03

## XPOL-2-5G-03 - A-XPOL-0002-V3-03 - X-Polarized, Uni-Directional LTE Antenna

from **213,69 EUR**

Item no.: A-XPOL-0002-V3-03

shipping weight: 0.10 kg

Manufacturer: Poynting



### Product Description

#### A-XPOL-0002-V3-03 - X-Polarized, Uni-Directional LTE Antenna

The XPOL-2-5G is Poynting's third generation V3 of this very popular cross polarized (XPOL), cellular band, 2x2 MIMO antenna. The antenna enclosure effectively looks the same as the second generation V2 but has been completely redesigned on the inside. Poynting has used advanced metamaterial technology, making use of Artificial Magnetic Conductors (AMC) and new registered/patent pending radiator configuration, which is proving to yield exceptional improvements in bandwidth and gain. Radiation patterns of this antenna are exceptionally well controlled, further adding to the performance of the antenna.

The XPOL-2-5G antenna includes the newer 3400 - 3800 MHz bands, which were not previously covered by the V2 and is suitable for 2G, 3G, 4G & 5G. This antenna performs exceptionally well in the following frequency bands: 698 – 960 MHz, 1700 – 2170 MHz, 2300 – 2700 MHz & 3400 – 3800 MHz. In addition to the new bands, the gain in the 1700 MHz and 2.7 GHz is around 3 dB higher than the V2 over the same frequency bands! The V2 antenna already outperformed most competitors over these bands, so this substantial improvement in gain shows the benefits of the new advanced materials and novel radiator design.

So, if it was a car, Poynting installed an entirely new technology engine producing twice the power under the bonnet – it may look the same, but just wait until you turn the ignition on! Antenna Derivatives

- Product order code (SKU): A-XPOL-0002-V3-03
- Coax cable type: Twin HDF 195
- Coax cable length: 10 m
- Connector type: SMA (m)
- Product weight: 1.73 kg
- Packaged weight: 2.16 kg

#### Electrical Specifications - Cellular

- Frequency bands: 698-960 MHz; 1710-2700 MHz; 3400-3800 MHz
- Gain (max.) port 1 & 2: 9 dBi (at) 698-960 MHz; 10 dBi (at) 1710-2700 MHz; 11 dBi (at) 3400-3800 MHz
- VSWR port 1 & 2: ?1.5.1 over 95% of the band
- Feed power handling: 20 W
- Input impedance: 50 Ohm (nominal)
- Polarisation: +/-45°
- Coax cable loss: 0.362 dB/m (at) 900 MHz; 0.514 dB/m (at) 1800 MHz; 0.533 dB/m (at) 2400 MHz; 0.603 dB/m (at) 3000 MHz
- DC short: Path to ground

#### Mechanical Specifications

- Product dimensions: 290 x 265 x 155 mm
- Packaged dimensions: 375 x 270 x 100 mm
- Radome material: UV stable ASA
- Radome color: Brilliant white Pantone P 179-1 C
- Mounting type: Wall and pole mount

#### Environmental Specifications, Certification & Approvals

- Wind survival: Antenna wind survival: ? 250 km/h; Z-Bracket wind survival: ?160 km/h; Optional bracket BRKT-030\* is required for wind speeds of ? 250 km/h
- Temperature range (operating): -40°C to +80°C
- Environmental conditions: Outdoor/indoor
- Water ingress protection ratio/standard: IP 65
- Salt spray: MIL-STD 810F/ASTM B117
- Operating relative humidity: Up to 98%
- Storage humidity: 5% to 95% - non-condensing
- Storage temperature: -40°C to +80°C
- Enclosure flammability rating: UL 94-HB
- Impact resistance: IK 08
- Product safety & environmental: Complies with CE and RoHS standards

\* BRKT-030 is an optional accessory, which is required for high wind areas of up to 250 km/h. The BRKT-030 requires 4x M6x20mm bolts for installation, not included.

## Specifications

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