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# Poynting XPOL-2-5G, Ultra-Wideband, 2x2 MIMO 4G-5G antenna; 617 to 4200 MHz, 10 m SMA Male

SKU
ANT-PY-00004
MPN
A-XPOL-0002-V3-03

## Description

The Poynting XPOL-2-5G is an advanced ultra-wideband 2x2 MIMO antenna designed for seamless 4G and 5G connectivity across a broad frequency range of 617 to 4200 MHz. Featuring a robust IP65-rated ASA plastic housing, this panel antenna is engineered to withstand harsh environmental conditions, operating reliably between -40 °C and 80 °C. Its dual SMA Male connectors with 10m cables ensure flexible installation options.

This antenna is ideal for high-speed wireless data applications, including residential 4G LTE, GSM, M2M, DTV, and customer premise equipment. It is particularly suited for consumer, broadcast, and telecommunications sectors. The antenna's design ensures optimal performance with peak gains between 9.0 dBi and 11.0 dBi, maintaining a VSWR of less than 1.5:1 across various frequency bands.

Poynting, a leading provider of antenna solutions, has developed this model with a focus on quality and innovation. Certified for CE and...

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**Poynting**

Poynting is a top global provider of integrated antenna solutions, responsible for the innovation, design and manufacture of its market-leading products. Established as a consultancy in 1990, Poynting evolved into an official PTY in 1997 and in 2001 established Poynting Antennas. It caters antenna solutions for primarily wireless high speed data applications, including residential 4G LTE as well ...

# RF Specification

## Cable 1: 4G-5G

Start Frequency
698 MHz
Stop Frequency
3800 MHz
Max. Input Power
20 W
Polarisation
Slant +45°
Input Impedance
50 Ω
RF Connectors

| Ports | RF Interface | Body Shape | Cable Series | Length |
|---|---|---|---|---|
| 1 | SMA Male | Straight | L-195 | 10000 mm |

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR |
|---|---|---|---|
| 698 MHz | 960 MHz | 9 dBi | < 1.5:1 |
| 1710 MHz | 2700 MHz | 10 dBi | < 1.5:1 |
| 3400 MHz | 3800 MHz | 11 dBi | < 1.5:1 |

## Cable 2: 4G-5G

Start Frequency
698 MHz
Stop Frequency
3800 MHz
Max. Input Power
20 W
Polarisation
Slant +45°
Input Impedance
50 Ω
RF Connectors

| Ports | RF Interface | Body Shape | Cable Series | Length |
|---|---|---|---|---|
| 1 | SMA Male | Straight | L-195 | 10000 mm |

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR |
|---|---|---|---|
| 698 MHz | 960 MHz | 9 dBi | < 1.5:1 |
| 1710 MHz | 2700 MHz | 10 dBi | < 1.5:1 |
| 3400 MHz | 3800 MHz | 11 dBi | < 1.5:1 |

# Physical Specification

Subtype
Panel / Sector
Input Ports
2
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
290 x 265 x 155
Ingress Protection
IP65
Materials
ASA Plastic
Weight
1.73 kg
Compliance/Certifications
CE
,
RoHS
Mechanical Compliance
MIL-STD-810: Environmental Durability

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