

# 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	Polarisation:	Slant +45°
Stop Frequency:	3800 MHz	Input Impedance:	50
Max. Input Power:	20 W		

### 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	Polarisation:	Slant +45°
Stop Frequency:	3800 MHz	Input Impedance:	50
Max. Input Power:	20 W		

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

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