

# LTE 5G 4x4 MIMO Directional Antenna

617 to 4200 MHz

LTE-XPOL-4X4-5G Series



The LTE-XPOL-4X4-5G expands the very popular Cross Polarised (LTE-XPOL) antenna range with 4x4 MIMO 5G/LTE bands providing exceptional performance from 617 to 4200 MHz. This is due to the incorporation of advanced metamaterial technology, making use of an Artificial Magnetic Conductor (AMC) and new registered/patent configuration, which has proven to yield exceptional improvements in bandwidth and gain. The radiation patterns of this antenna are exceptionally well controlled, which further adds to exceptional performance of the antenna.

The LTE-XPOL-4X4-5G offers wideband frequency coverage from 617 to 4200 MHz, with a peak gain of 11dBi across the bands of operation. The antenna performs exceptionally well in the following frequency bands: 617 – 960 MHz, 1710 – 2170 MHz, 2300 – 2700 MHz & 3400 – 4200 MHz. The exceptional wideband performance is an important factor for 5G/LTE technologies, as these technologies rely on features such as Carrier Aggregation (CA) to provide the best possible reception and throughput over multiple frequency bands simultaneously. This makes the LTE-XPOL-4X4-5G the go to solution for current and future 5G/LTE antenna deployments.

## Key Features:

- X-Polarised 4x4 MIMO for current and future technologies
- Wideband coverage with exceptional performance
- Operates from 617 to 4200 MHz with 11 dBi gain
- Various mounting options for easy of installation (pole or wall)
- Weatherproof & waterproof (IP65)



## Electrical Specifications

Model Number	LTE-XPOL-4X4-5G-NF		
Frequency MHz	617-960	1710-2700	3400-4200
Gain(Peak) dBi	8.5	8.5	11
VSWR	<2.0:1		
Power W	10		
Impedance Ω	50		

## Mechanical Specifications

Model Number	LTE-XPOL-4X4-5G-NF
Mounting	Pole or Wall Mount (bracket included)
Dimensions mm	290 x 440 x 110
Radome Material	UV Stable ASA
Radome Colour	Brilliant White (Pantone P179-1C)
Connectors	4 x Integrated N female

## Environmental Specifications

Model Number	LTE-XPOL-4X4-5G-NF
Environmental Conditions	Outdoor / Indoor
Wind Survival km/h	≤160
Operating Temperature °C	-40 to +80
Water Ingress	IP65
Salt Spray	MIL-STD 810G/ASTM B117
Operating Humidity	Up to 98%
Enclosure Flammability	UL 95-HB
Impact Resistance	IK08
Product Safety & Environmental	Complies with CE & RoHS Standards

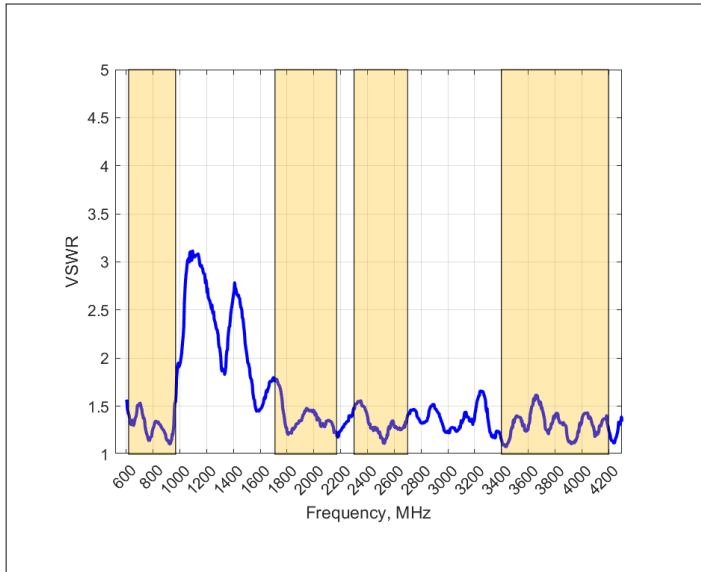
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617 to 4200 MHz

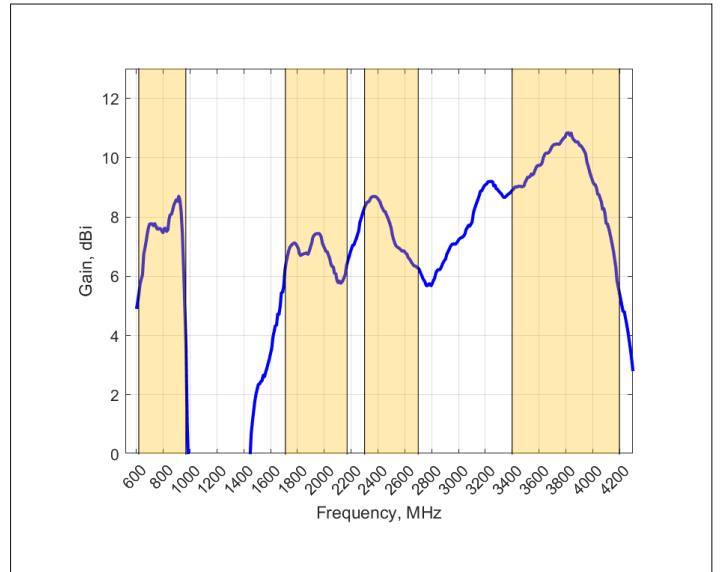
LTE-XPOL-4X4-5G Series



VSWR



GAIN



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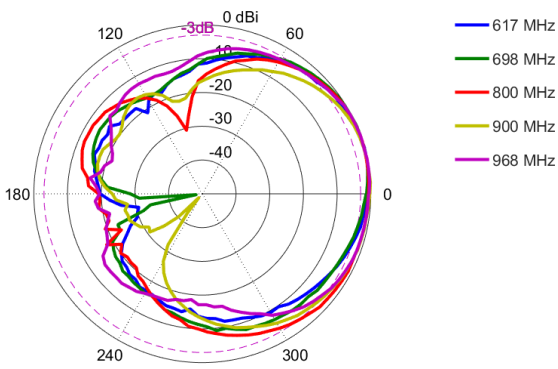
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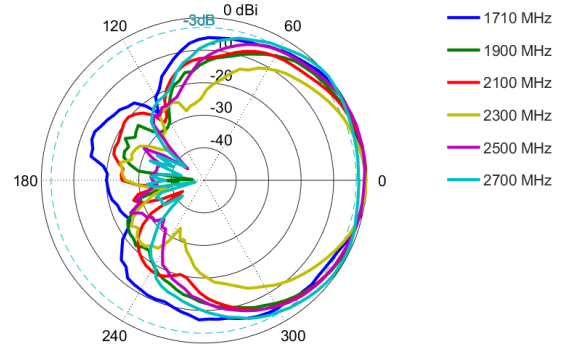


## Radiation Patterns

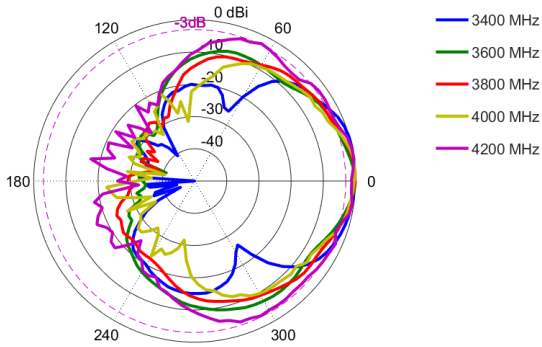
Azimuth: 617-960 MHz



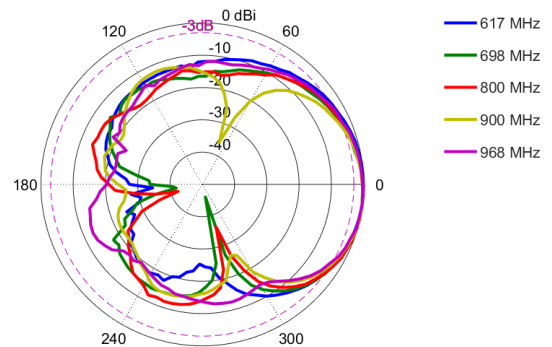
Azimuth: 1710-2700 MHz



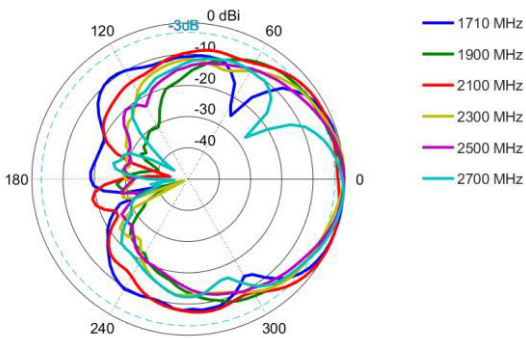
Azimuth: 3400-4200 MHz



Azimuth: 617-960 MHz



Azimuth: 1710-2700 MHz



Azimuth: 3400-4200 MHz

