

# Peplink Mobility 20G (Puma-201-S-B-6), 2xLTE/5G, 1xGPS, 600-6000MHz, IP68, SMA, Black, 6.5 ft / 2m

SKU: ANT-MB-20G-S-B-6

MPN: PUMA-201-S-B-6

## Description

The Peplink Mobility 20G antenna is a robust, high-performance solution designed for seamless LTE and 5G connectivity, particularly suited for applications requiring reliable and expansive network coverage. This device is engineered to operate across a wide frequency range from 600 MHz to 6000 MHz, ensuring compatibility with a broad spectrum of wireless communication bands. Its 2x2 MIMO capability enhances data transmission efficiency, making it ideal for use in mobile healthcare, public safety, and transportation connectivity.

Constructed with a durable polycarbonate housing, the Mobility 20G is IP68-rated, providing exceptional protection against dust and water ingress, which is essential for outdoor and mission-critical environments. The inclusion of a GPS antenna further enhances its utility by enabling precise location tracking, beneficial in navigation and fleet management systems.

With SMA connectors and a straightforward...

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### Peplink

Peplink makes connectivity reliable. Peplink's ecosystem, SpeedFusion technology and SD-WAN routers have been deployed around the world, helping thousands of customers from many industries increase bandwidth, enhance Internet reliability, reduce connectivity cost, or enable new deployment possibilities.

Founded by Alex Chan in Hong Kong in 2006, today Peplink is based in Mountain View, California.

# RF Specification

## Cable 1: 4G/5G

Start Frequency:	617 MHz	Polarisation:	Linear
Stop Frequency:	6000 MHz	Input Impedance:	50
Max. Input Power:	10 W		

### RF Connectors

Ports	RF Interface	Body Shape	Length
1	SMA Male	Straight	2000 mm

### Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
617 MHz	960 MHz	1 dBi	< 2.5:1	360°
1710 MHz	2700 MHz	5.6 dBi	< 2.5:1	360°
3400 MHz	4200 MHz	6.1 dBi	< 2.5:1	360°
4900 MHz	6000 MHz	5.3 dBi	< 2.5:1	360°

## Cable 2: 4G/5G

Start Frequency:	617 MHz	Polarisation:	Linear
Stop Frequency:	6000 MHz	Input Impedance:	50
Max. Input Power:	10 W		

### RF Connectors

Ports	RF Interface	Body Shape	Length
1	SMA Male	Straight	2000 mm

## Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
617 MHz	960 MHz	1 dBi	< 2.5:1	360°
1710 MHz	2700 MHz	5.6 dBi	< 2.5:1	360°
3400 MHz	4200 MHz	6.1 dBi	< 2.5:1	360°
4900 MHz	6000 MHz	5.3 dBi	< 2.5:1	360°

## Cable 3: GPS

Start Frequency:	1561 MHz	Input Impedance:	50
Stop Frequency:	1602 MHz	Polarisation:	Right Hand Circular (RHCP)

## Low Noise Amplifier (LNA)

LNA Gain:	28 dBic
Noise Figure:	≤ 1.5 dB

## RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-174	2000 mm

# Physical Specification

Subtype:	Fin / Stud / Combo	Dimensions:	36 x 130 (H x Dia)
Input Ports:	3	Ingress Protection:	IP68
MIMO:	2x2 MIMO	Materials:	Polycarbonate (PC)
Min. Operating Temperature:	-40 °C	Compliance/Certifications:	RoHS
Max. Operating Temperature:	80 °C	Mechanical Compliance:	IEC 60068-2-11: Salt Mist

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