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# **Panorama 4G-5G GPS/GNSS MIMO Cellular and WiFi Antenna, 3m SMA Male**

SKU  
ANT-PA-00015  
MPN  
BATGM-7-60-24-58

## Description

The Panorama 4G-5G GPS/GNSS MIMO Cellular and WiFi Antenna (SKU: ANT-PA-00015) by Panorama Antennas offers robust connectivity for diverse communication needs. Designed with an adhesive patch form factor, it features five RF connections, ensuring comprehensive coverage across multiple technologies including 4G, 5G, GPS/GNSS, and WiFi.

This antenna operates efficiently across a wide temperature range of -30 °C to 70 °C, making it suitable for various environmental conditions. Constructed from durable ASA plastic, it adheres to ISO 9001 quality standards, ensuring reliability and durability.

The antenna supports a frequency range from 617 MHz to 6000 MHz for cellular and WiFi applications, delivering peak gains up to 6.0 dBi. It maintains excellent inter-port isolation and radiated efficiency, crucial for high-performance communication systems.

The integrated GPS/GNSS element operates between 1559 MHz and 1612 MHz, featuring right-hand...

[Read More](#)



### [Panorama Antennas](#)

Panorama's constant cutting-edge research ensures that our antennas meet the demands of the very latest communication technologies. Trusted by thousands of professionals and consumers the world over, our antennas are depended upon to provide communications even in the most challenging conditions.

Currently, Panorama specialises in professional antenna solutions for modern communications ...

## RF Specification

### Elements 1&2

Start Frequency

617 MHz

Stop Frequency

6000 MHz

Max. Input Power

20 W

Input Impedance

50  $\Omega$

RF Connectors

| Ports | RF Interface | Body Shape | Cable Series | Length |
|-------|--------------|------------|--------------|--------|
|-------|--------------|------------|--------------|--------|

|   |                          |                          |                       |         |
|---|--------------------------|--------------------------|-----------------------|---------|
| 1 | <a href="#">SMA Male</a> | <a href="#">Straight</a> | <a href="#">RG-58</a> | 3000 mm |
|---|--------------------------|--------------------------|-----------------------|---------|

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR | Efficiency | Inter-Port Iso. |
|-------------|------------|-----------|------|------------|-----------------|
|-------------|------------|-----------|------|------------|-----------------|

|         |         |       |         |  |         |
|---------|---------|-------|---------|--|---------|
| 617 MHz | 960 MHz | 2 dBi | < 2.1:1 |  | > 10 dB |
|---------|---------|-------|---------|--|---------|

|          |          |       |         |     |         |
|----------|----------|-------|---------|-----|---------|
| 1427 MHz | 2170 MHz | 3 dBi | < 2.1:1 | 55% | > 10 dB |
|----------|----------|-------|---------|-----|---------|

|          |          |       |         |     |         |
|----------|----------|-------|---------|-----|---------|
| 2500 MHz | 6000 MHz | 6 dBi | < 2.1:1 | 55% | > 10 dB |
|----------|----------|-------|---------|-----|---------|

### Element 3 (GPS)

Start Frequency

1559 MHz

Stop Frequency

1612 MHz

Polarisation

[Right Hand Circular \(RHCP\)](#)

Input Impedance

50  $\Omega$

RF Connectors

| Ports | RF Interface | Body Shape | Cable Series | Length |
|-------|--------------|------------|--------------|--------|
|-------|--------------|------------|--------------|--------|

|   |                          |                          |                        |         |
|---|--------------------------|--------------------------|------------------------|---------|
| 1 | <a href="#">SMA Male</a> | <a href="#">Straight</a> | <a href="#">RG-174</a> | 3000 mm |
|---|--------------------------|--------------------------|------------------------|---------|

## Elements 4&5 (WiFi)

Start Frequency

2400 MHz

Stop Frequency

7200 MHz

Input Impedance

50  $\Omega$

RF Connectors

| Ports | RF Interface | Body Shape | Cable Series | Length |
|-------|--------------|------------|--------------|--------|
|-------|--------------|------------|--------------|--------|

|   |                             |                          |                       |         |
|---|-----------------------------|--------------------------|-----------------------|---------|
| 1 | <a href="#">RP-SMA Male</a> | <a href="#">Straight</a> | <a href="#">RG-58</a> | 3000 mm |
|---|-----------------------------|--------------------------|-----------------------|---------|

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR | Efficiency |
|-------------|------------|-----------|------|------------|
|-------------|------------|-----------|------|------------|

|          |          |       |         |     |
|----------|----------|-------|---------|-----|
| 2400 MHz | 7200 MHz | 4 dBi | < 2.5:1 | 55% |
|----------|----------|-------|---------|-----|

## Element 3

Start Frequency

1559 MHz

Stop Frequency

1612 MHz

Input Impedance

50  $\Omega$

Polarisation

[Right Hand Circular \(RHCP\)](#)

## Low Noise Amplifier (LNA)

LNA Gain

26 dBic

Noise Figure

$\leq 3$  dB

Power Consumption

< 20 mW

Min. Operating Voltage

3.5 V

Max. Operating Voltage

5 V

## RF Connectors

| Ports | RF Interface | Body Shape | Cable Series | Length |
|-------|--------------|------------|--------------|--------|
|-------|--------------|------------|--------------|--------|

|   |                          |                          |                        |         |
|---|--------------------------|--------------------------|------------------------|---------|
| 1 | <a href="#">SMA Male</a> | <a href="#">Straight</a> | <a href="#">RG-174</a> | 3000 mm |
|---|--------------------------|--------------------------|------------------------|---------|

## Physical Specification

Subtype

[Adhesive Patch](#)

Input Ports

5

MIMO

[2x2 MIMO](#)

Min. Operating Temperature

-30 °C

Max. Operating Temperature

70 °C

Dimensions

214 x 77 x 16.5

Materials

[ASA Plastic](#)

Compliance/Certifications

ISO 9001 Quality Management

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