

## Features

- 5G/LTE
- 2x2 MIMO
- 617 – 6000 MHz
- 4 dBi
- Wi-Fi 6E
- GPS
- Omni Directional
- IP67
- -40°C to 80°C

## RS PRO Multi-Band Antennas

### Antenna Omni MIMO 2x2

RS Stock No.: 434-534



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product Description

**Antenna Omni 5G/LTE 2x2MIMO, 2x2 MIMO WiFi 6e is a high performance mobility antenna providing performance connectivity across diverse frequencies and applications for 5G/4G/LTE.**

Antenna Omni 5G/LTE 2x2MIMO, 2x2 MIMO WiFi 6e is a high performance mobility antenna providing performance connectivity across diverse frequencies and applications for 5G/4G/LTE. It offers optional GPS/GNSS and up to 2x2 MIMO/Diversity configurations at 2.4/5.0/7.2GHz for Wi-Fi. The optional high-performance GPS/GNSS antenna features an integrated 18dB gain LNA.

It comes with 2x 5G/LTE, 1x GPS/GNSS and 2x Wi-Fi antennas.

It covers a wide range from 617 to 6000 MHz for 5G/LTE bands and additionally dual-band Wi-Fi 6e antennas provide concurrent 2.4 GHz and 5 to 7.2 GHz.

The Antenna Omni 5G/LTE finds its place in public sector industry (busses, firetrucks, ambulances), marine environments, tourism and various IoT systems.

The set consists of marine, surface and pole/wall mounting brackets allowing to install Antenna Omni on a roof, mast, pole, wall or other flat surfaces.

Standard cable length is 50cm.

## 5G / LTE SPECIFICATION

<b>FREQUENCY</b>	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 3.8 GHz 4.2 - 6.0 GHz
<b>GAIN</b>	617 - 960 MHz : 2 dBi 1.7 - 2.7 GHz : 4 dBi 3.3 - 3.8 GHz : 5 dBi 4.2 - 6.0 GHz : 6dBi
<b>SUPPORTED LTE BANDS</b>	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 106
<b>SUPPORTED 5G BANDS</b>	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n47, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
<b>VSWR</b>	<1.20, max <2.50
<b>BEAMWIDTH</b>	360°/35° ±5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## WI-FI SPECIFICATION

<b>FREQUENCY</b>	2.4 - 2.5 GHz 5.0 - 7.2 GHz
<b>GAIN</b>	2.4 - 2.5 GHz: 2dBi 5.0 - 7.2 GHz: 5dBi
<b>VSWR</b>	< 2.50
<b>BEAMWIDTH</b>	360°/25°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 $\Omega$

## MECHANICAL SPECIFICATION

<b>MATERIALS</b>	ABS
<b>CONNECTOR TYPE</b>	2xRPSMA & 3xSMA
<b>CABLE TYPE</b>	RG174
<b>CABLE LENGTH</b>	50 cm
<b>INGRESS PROTECTION</b>	IP67
<b>DIMENSIONS</b>	160 x 160 x 90 mm 6.3 x 6.3 x 3.54 inch
<b>WEIGHT</b>	1.5 kg 3.31 lbs
<b>OPERATING TEMPERATURE</b>	From -40°C to 80°C From -40°F to 176°F

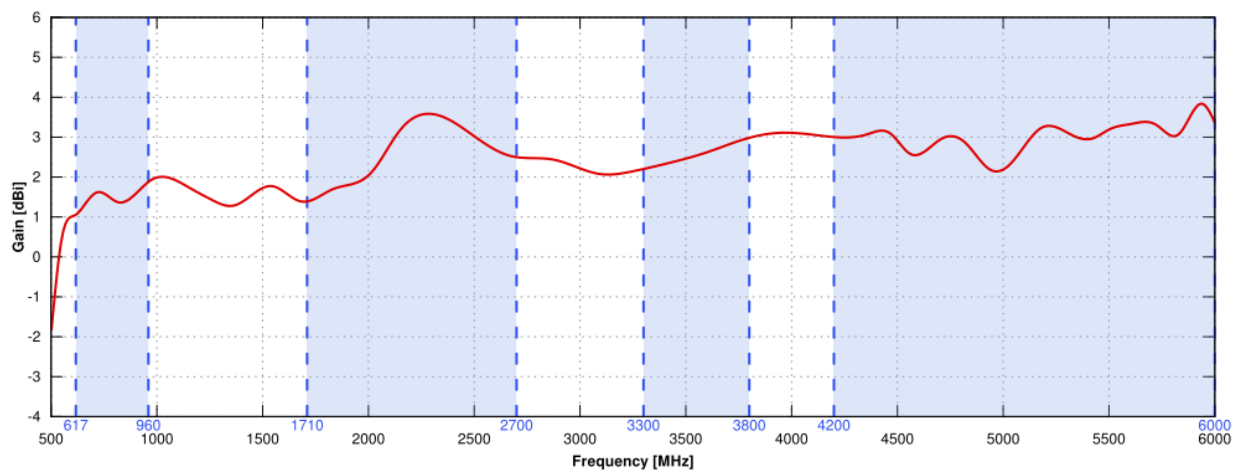
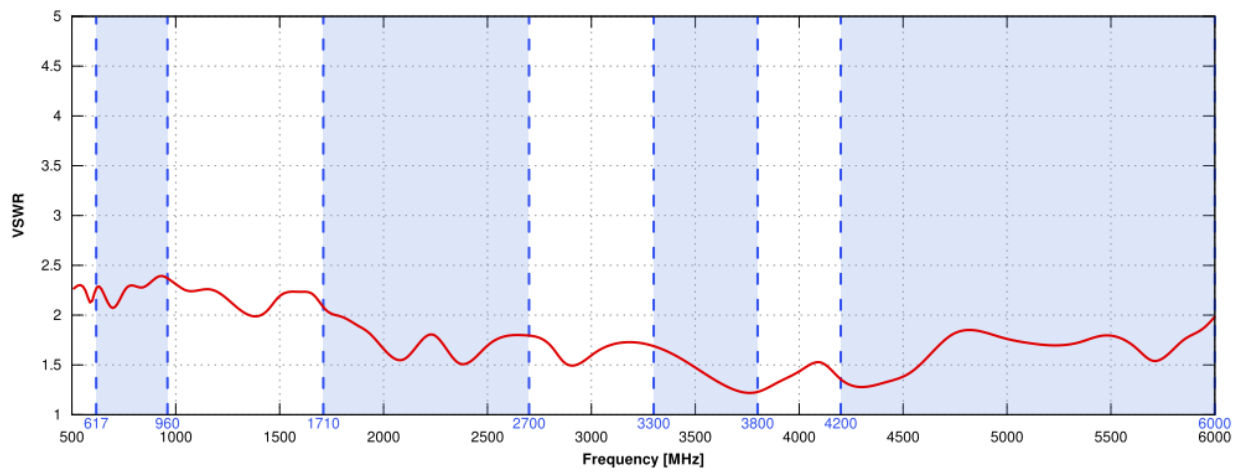
## MOUNTING KIT SPECIFICATION

<b>DIMENSIONS</b>	210 x 94 x 47 mm 8.26 x 3.7 x 1.85 inch
<b>MAST DIAMETER RANGE</b>	40-66 mm 1.57-2.60 inch
<b>MATERIAL</b>	Galvanized Steel
<b>WEIGHT</b>	0.411 kg
<b>MOUNTING PLACE</b>	Wall or mast or ceiling

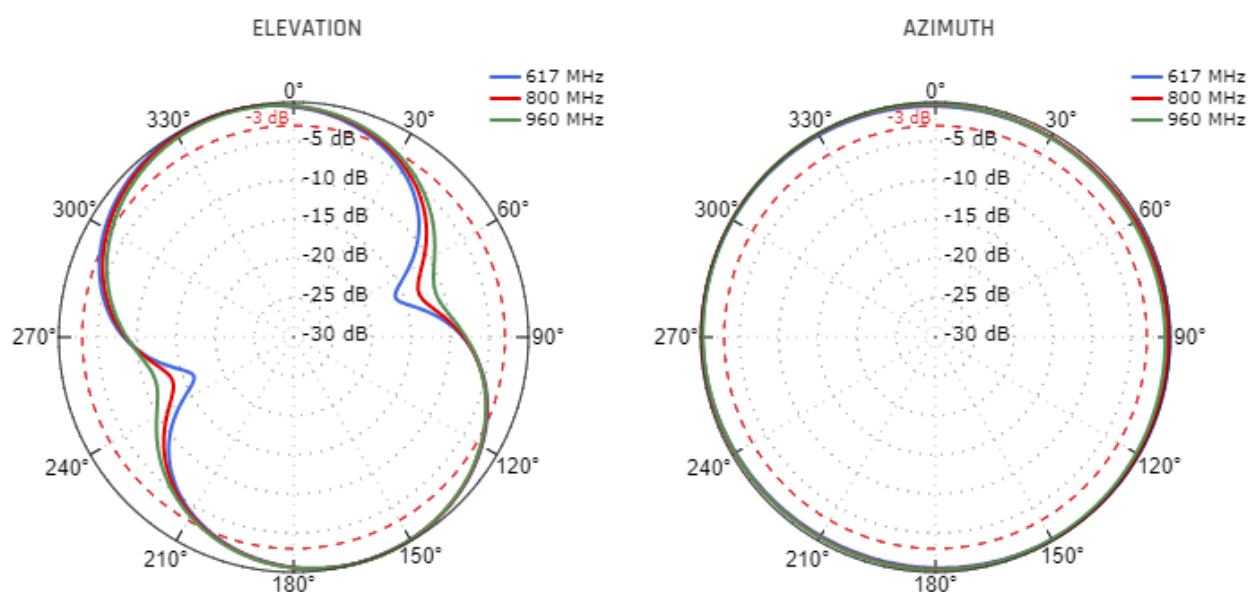
DEVICE SPECIFICATION

SPECIFICATION	<p>Category: Passive Components</p> <p>Subcategory: Antennas, WiFi Antennas, GPS Antennas, Mobile Antennas</p> <p>Type: Multi-Band Antennas</p> <p>Brand: RS PRO</p> <p>Frequency Range: 617 – 6000 MHz</p> <p>RF Protocols: 5G, LTE, WiFi 6E</p> <p>Gain: 6 dBi</p> <p>Internal/External : External</p> <p>Antena Directivity: Omni-Directional, Omnidirectional</p> <p>Antenna Mounting type: Wall/Pole</p> <p>Mounting Type: Pole Mount, Wall Mount</p> <p>Antena Physical Form: Panel, Square,</p>
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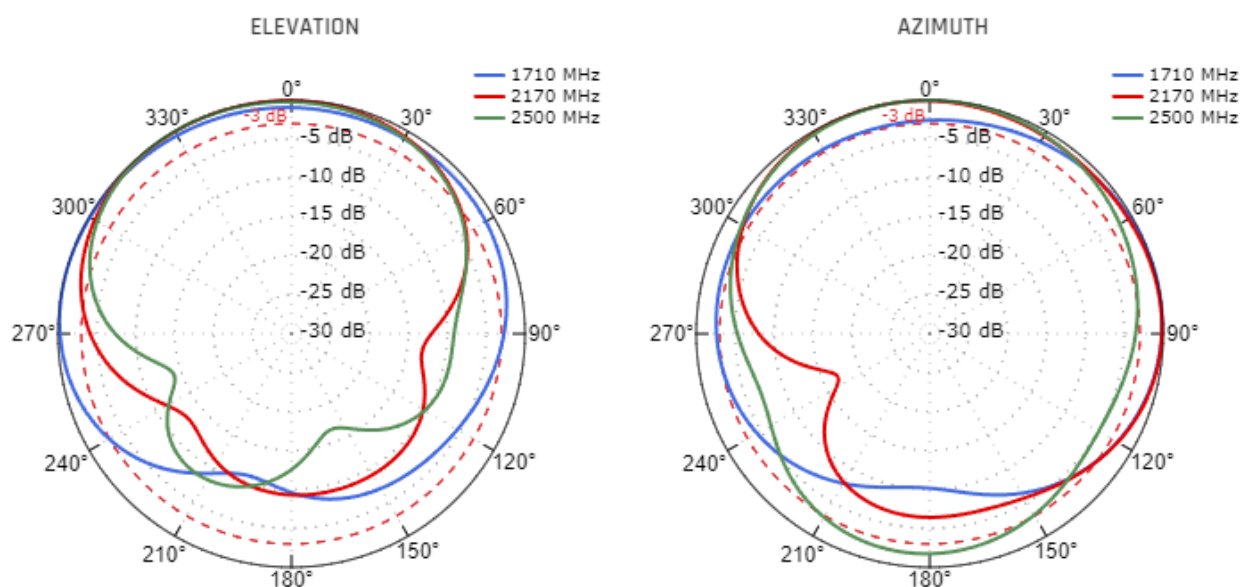
## 5G/LTE PLOTS



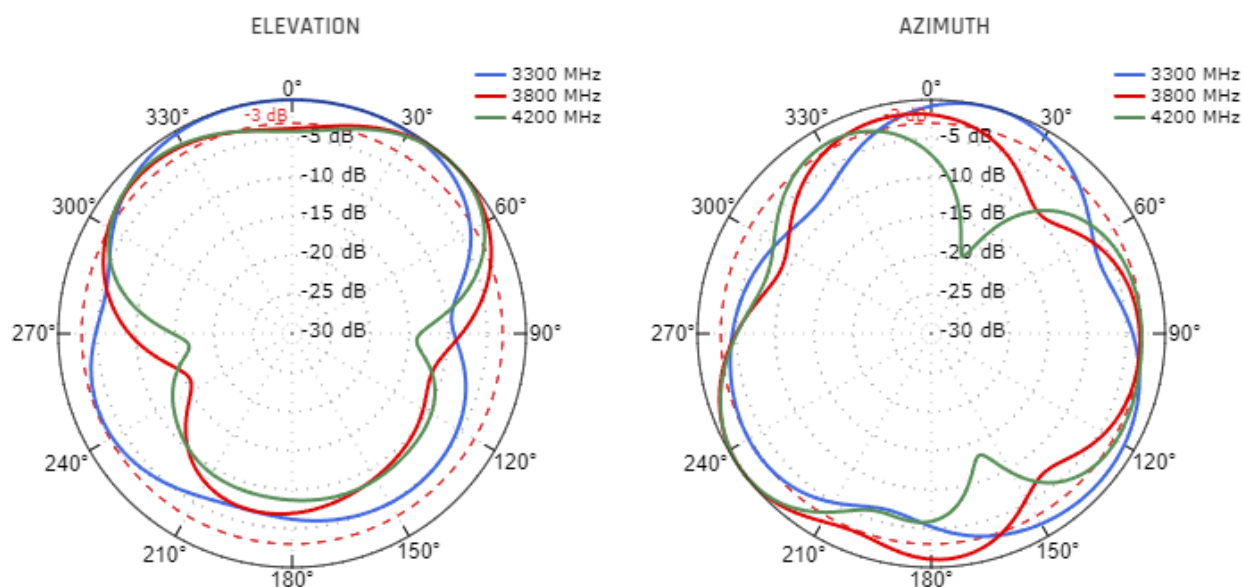
## 5G/LTE from 617MHz to 960MHz



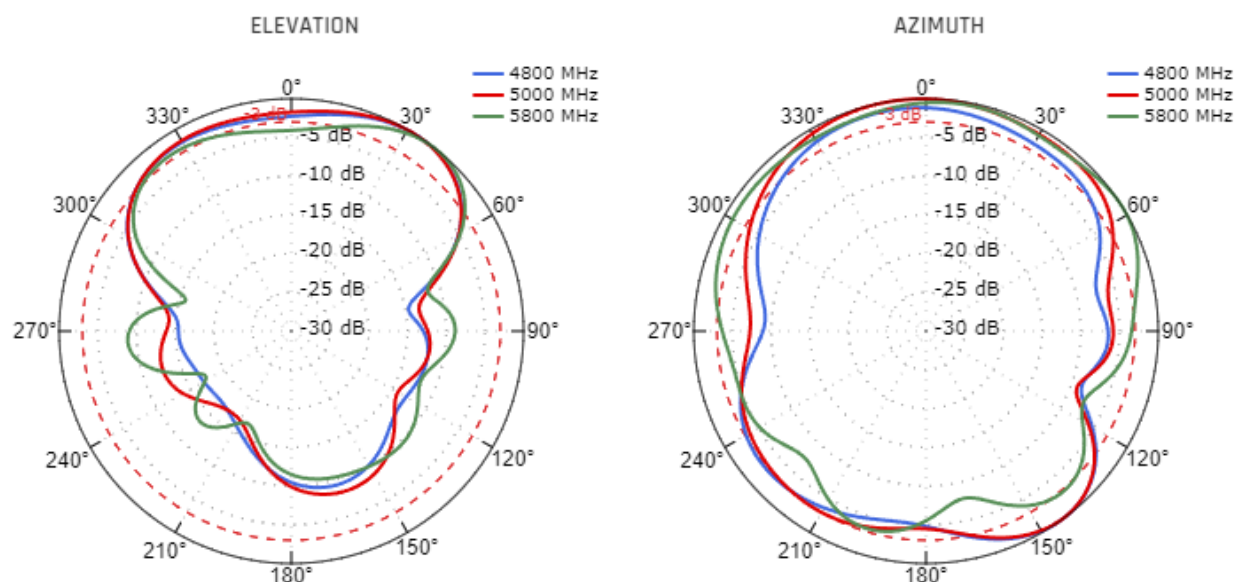
## 5G/LTE from 1.71GHz to 2.7GHz



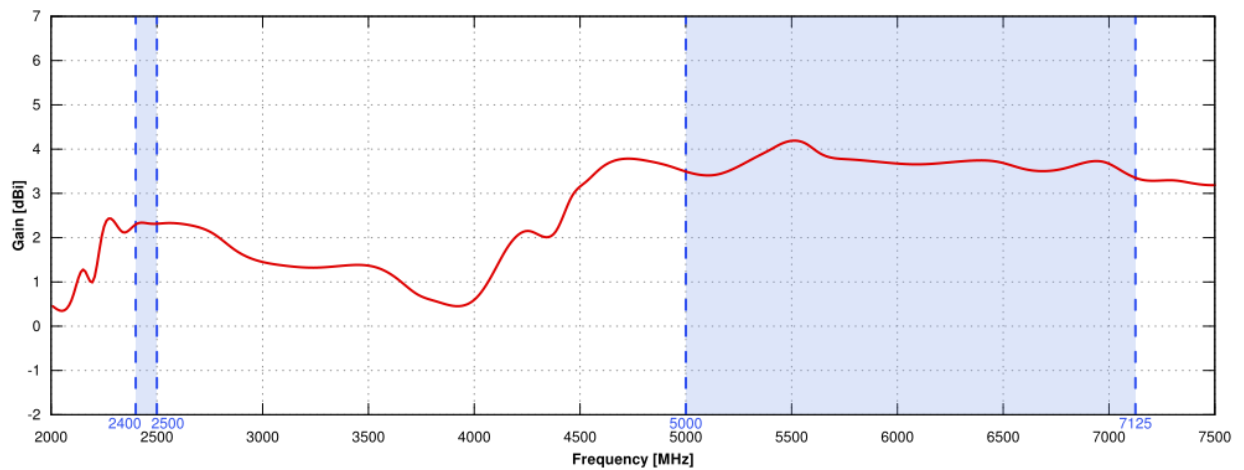
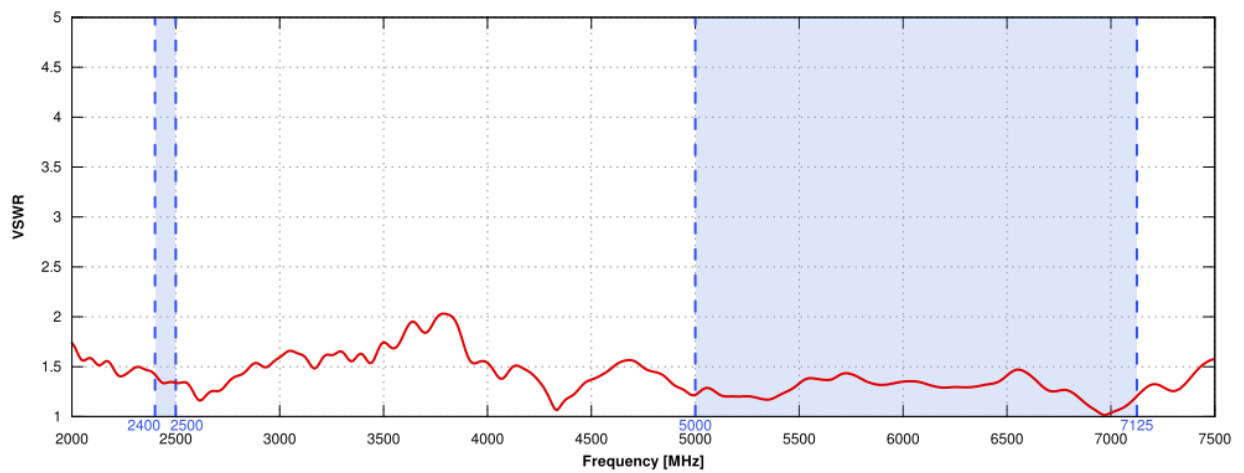
## 5G/LTE from 3.3GHz to 4.2GHz



## 5G/LTE from 4.8GHz to 5.8GHz



## WI-FI PLOTS



Wi-Fi V From 2.4 GHz to 6.5 GHz

