

Features

- 5G/LTE
- 4x4 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 4x4 MIMO

RS Stock No.: 434-536



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 4x4MIMO, 2x2MIMO WiFi 6e is a high performance mobility antenna providing performance connectivity across diverse frequencies and applications for 5G/4G/LTE.

Antenna Omni 5G/LTE 4x4MIMO, 2x2MIMO 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 4x 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

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 3.8 GHz 4.2 - 6.0 GHz
GAIN	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
SUPPORTED LTE BANDS	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
SUPPORTED 5G BANDS	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
VSWR	<1.20, max <2.50
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

WI-FI SPECIFICATION

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

MECHANICAL SPECIFICATION

MATERIALS	ABS
CONNECTOR TYPE	2xRPSMA & 5xSMA
CABLE TYPE	RG174
CABLE LENGTH	50 cm
INGRESS PROTECTION	IP67
DIMENSIONS	160 x 160 x 90 mm 6.3 x 6.3 x 3.54 inch
WEIGHT	1.5 kg 3.31 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F

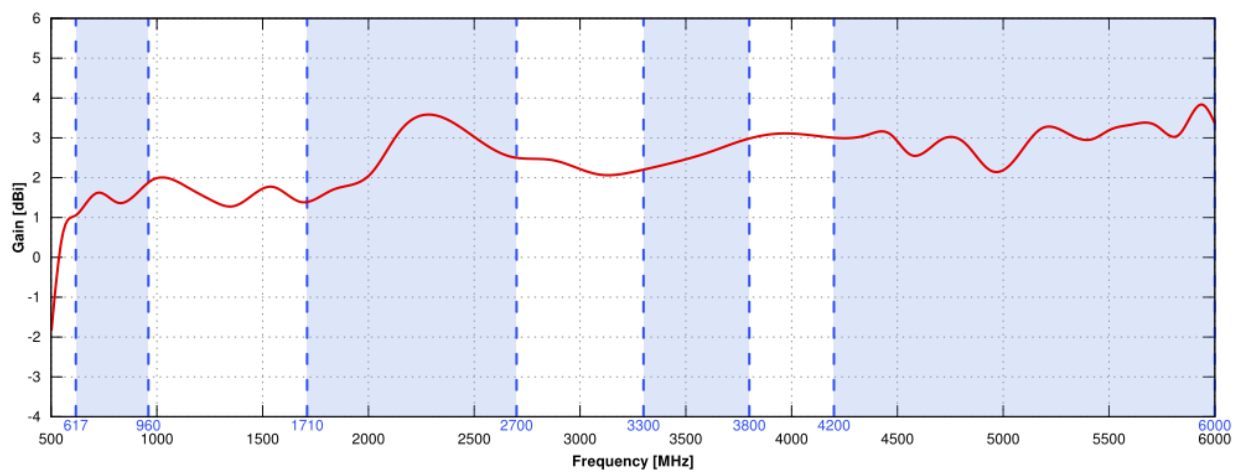
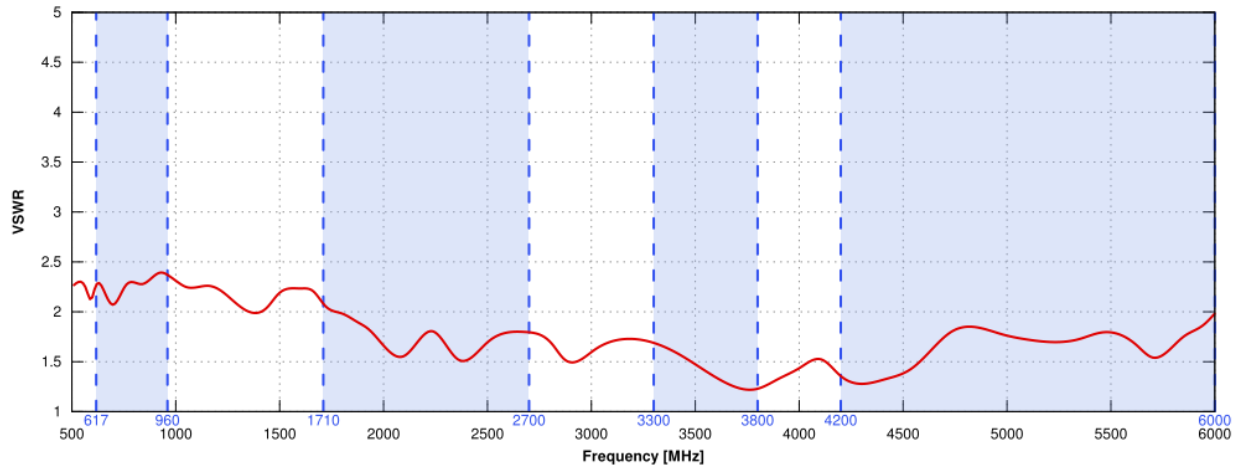
MOUNTING KIT SPECIFICATION

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

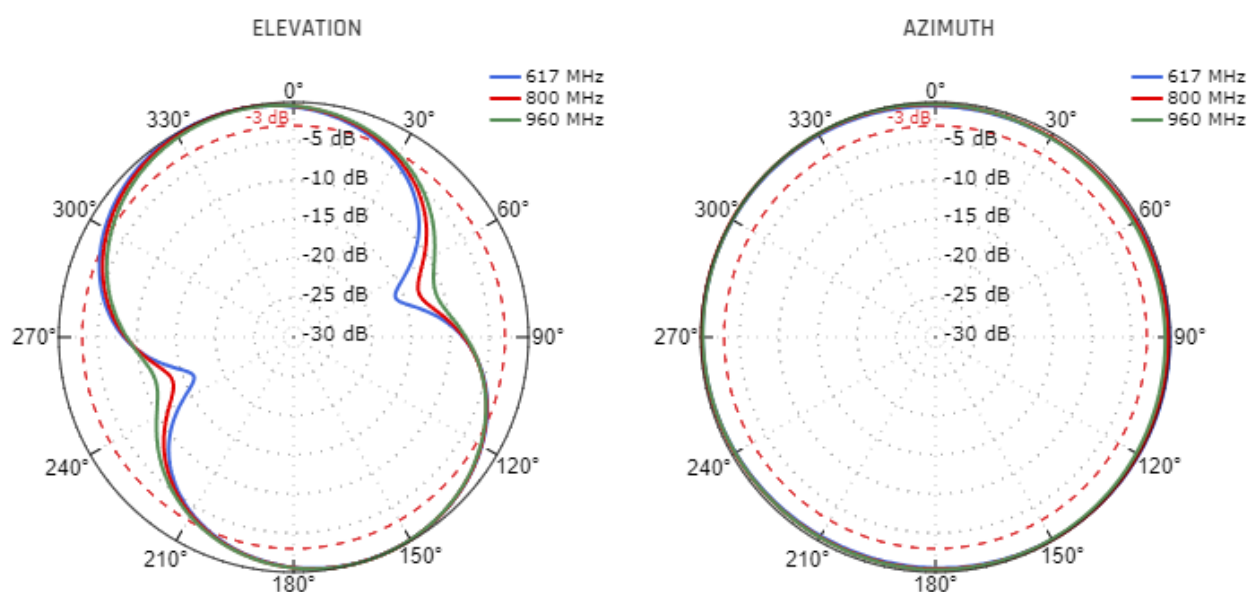
DEVICE SPECIFICATION

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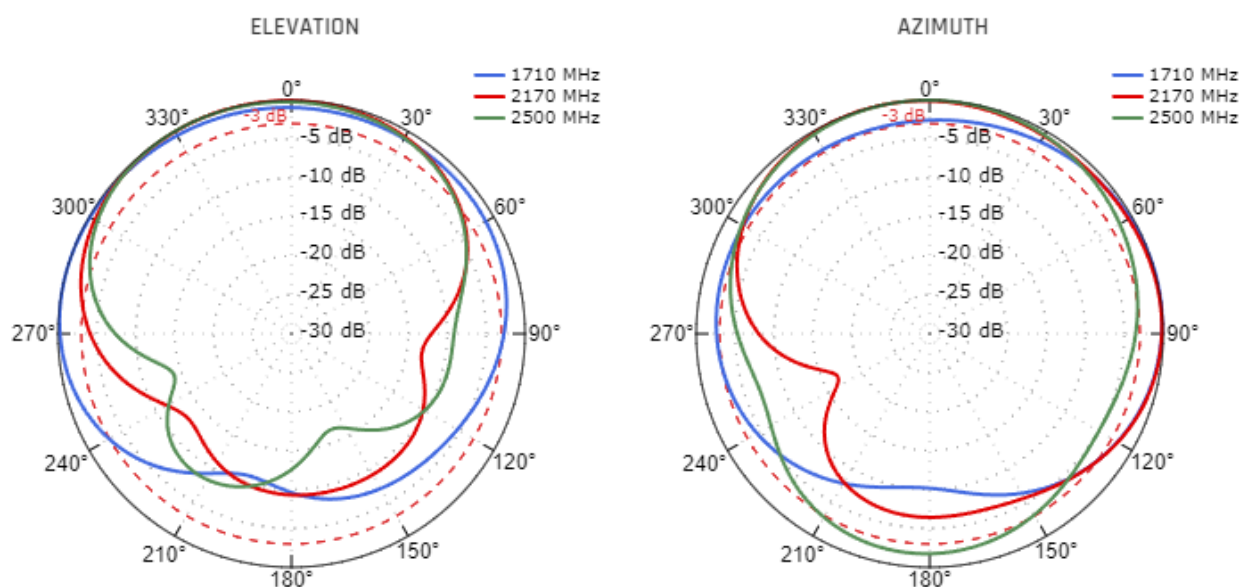
5G/LTE PLOTS



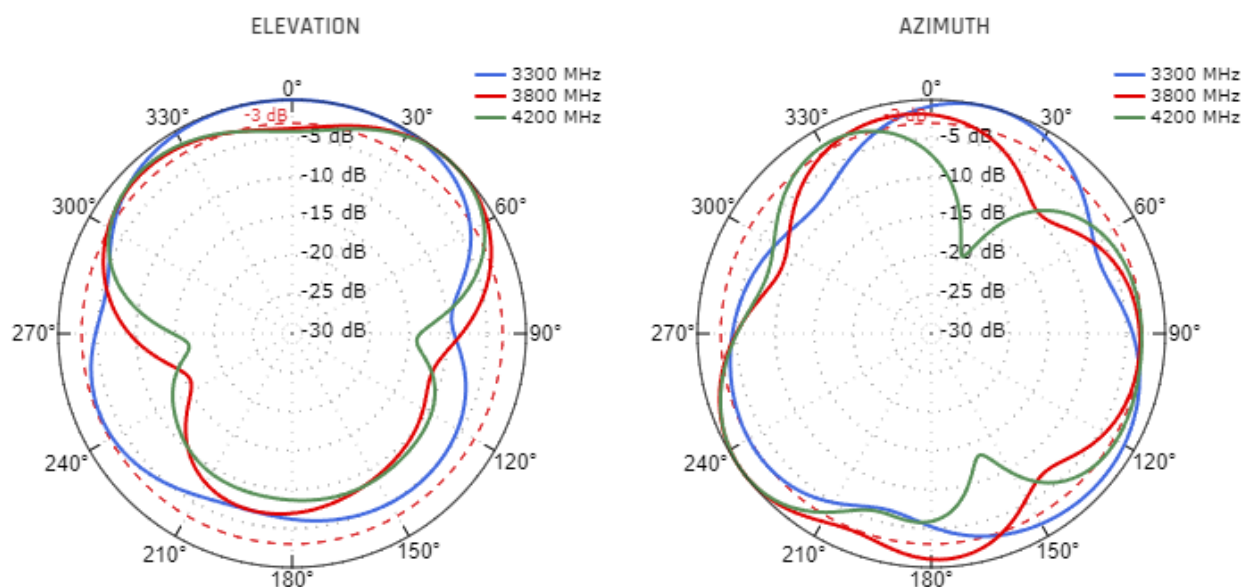
5G/LTE from 617MHz to 960MHz



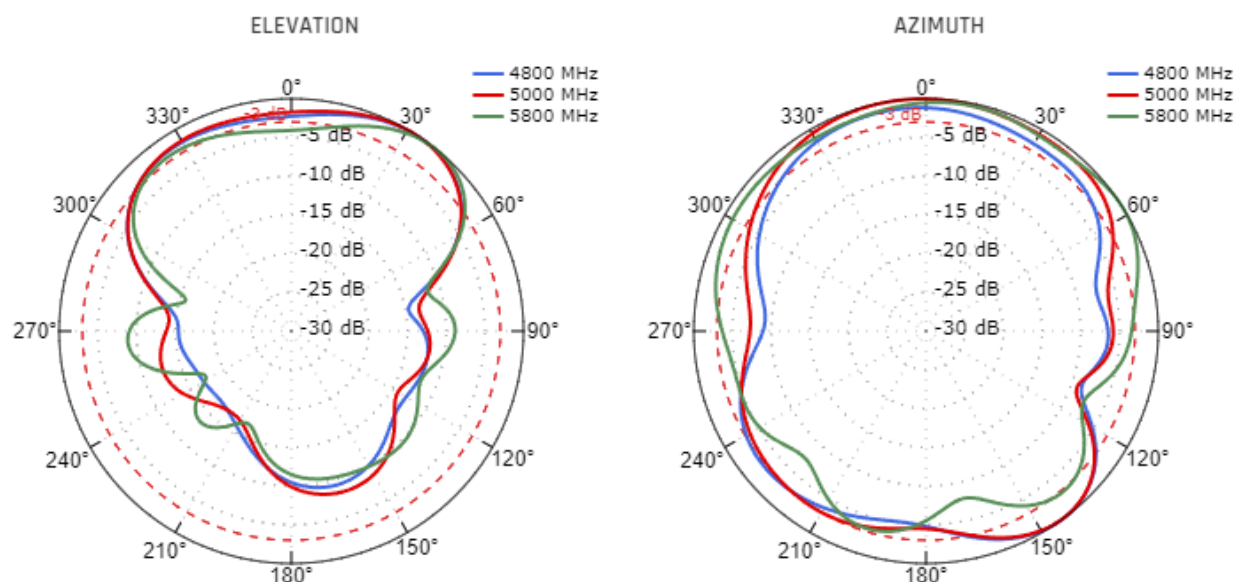
5G/LTE from 1.71GHz to 2.7GHz



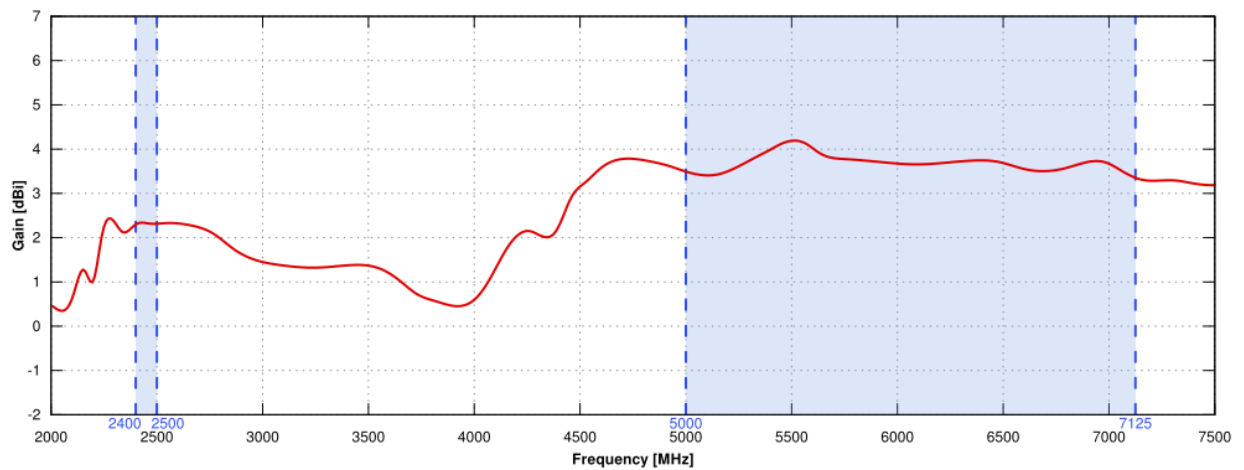
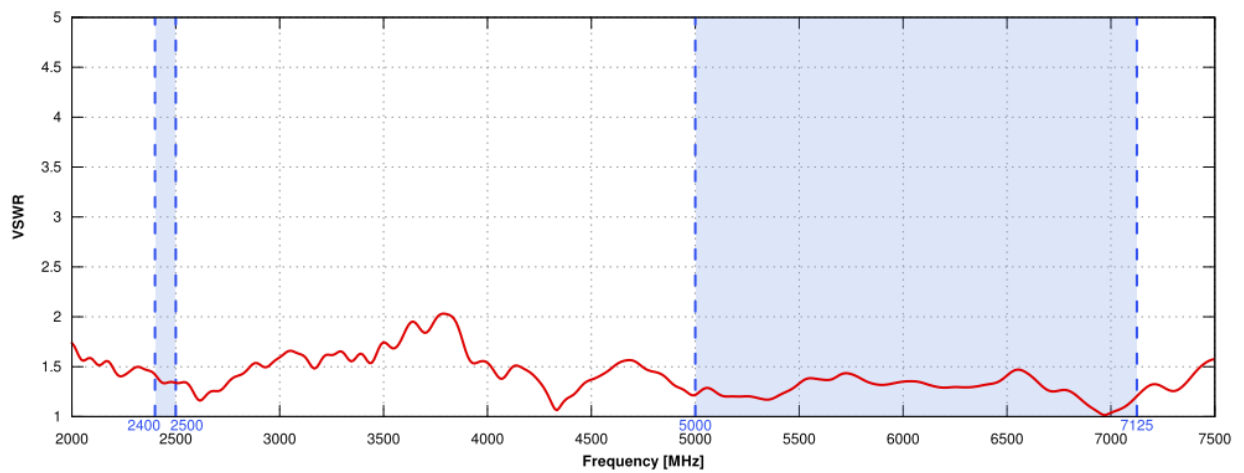
5G/LTE from 3.3GHz to 4.2GHz



5G/LTE from 4.8GHz to 5.8GHz



WI-FI PLOTS



Wi-Fi V From 2.4 GHz to 6.5 GHz

