

# QuShell for Rajant Cardinal

QuShell for Rajant Cardinal is a high performance mobility antenna providing performance connectivity across diverse frequencies and applications for 4x4 MIMO WiFi 6e.

The **QuShell for Rajant Cardinal** is a high-performance mobility antenna engineered to deliver superior connectivity across all Wi-Fi frequencies, making it ideal for a wide range of demanding applications. Its cutting-edge design ensures reliable and robust communication, whether deployed in **mobility solutions** like buses, taxis, and delivery vehicles or in **heavy industrial environments** such as mining, construction, and agriculture, where ruggedness and reliability are paramount.

Housed in a durable **IP67-rated ABS enclosure**, the QuShell protects the Cardinal against the most challenging outdoor conditions. The **IP67 rating** signifies that the enclosure is completely dust-tight and can withstand immersion in water up to 1 meter for 30 minutes.

Inside the enclosure, high-gain **5dBi Wi-Fi antennas** with **MIMO 4x4 capability** provide exceptional connectivity, delivering increased range, speed, and capacity for high-bandwidth applications. The built-in **RJ45 Ethernet port** enables seamless integration with network infrastructure.

With its robust construction and advanced wireless performance, the QuShell for Rajant Cardinal is designed to meet the connectivity needs of both modern mobility systems and heavy-duty industrial operations, offering unparalleled reliability in every setting.

**Wi Fi 6E****5 dBi****2.4GHz + 5GHz  
6GHz + 7GHz****OMNI  
DIRECTIONAL****IP 67****-40° TO +80°**

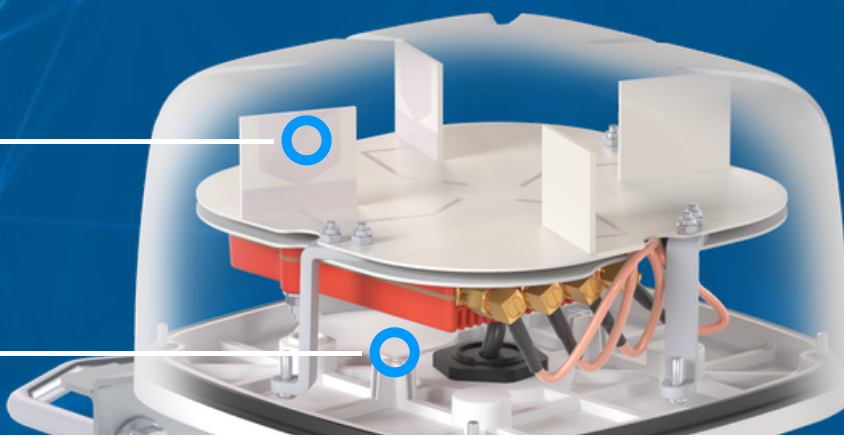
OUTDOOR ANTENNA WORKS IN **ANY  
WEATHER CONDITIONS**, IP67



ANTENNA **PERFECTLY MATCHED** WITH  
THE ROUTER



WALL OR MAST MOUNTING SYSTEM



## WI-FI SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5 - 7.2 GHz
GAIN	2.4 - 2.5 GHz: 2dBi 5 - 7.2 GHz: 5dBi
VSWR	< 2.50
BEAMWIDTH	360°/25°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$
MAX INPUT POWER	50W
DC GROUND	Yes
CONNECTOR TYPE	4x RPSMA

## MECHANICAL SPECIFICATION

MATERIAL	ABS
CONNECTOR	QuRJ45
OUTER DIMENSIONS	160 x 160 x 90 mm 6.3 x 6.3 x 3.54 inch
WEIGHT	1.5 kg
OPERATING TEMPERATURE	-40°C to 80°C -40°F to 176°F

## MOUNTING KIT

### MATERIAL

Galvanized steel

### WEIGHT

0.4kg

### MOUNTING PLACE

Wall or ceiling or mast

### MAST DIAMETER

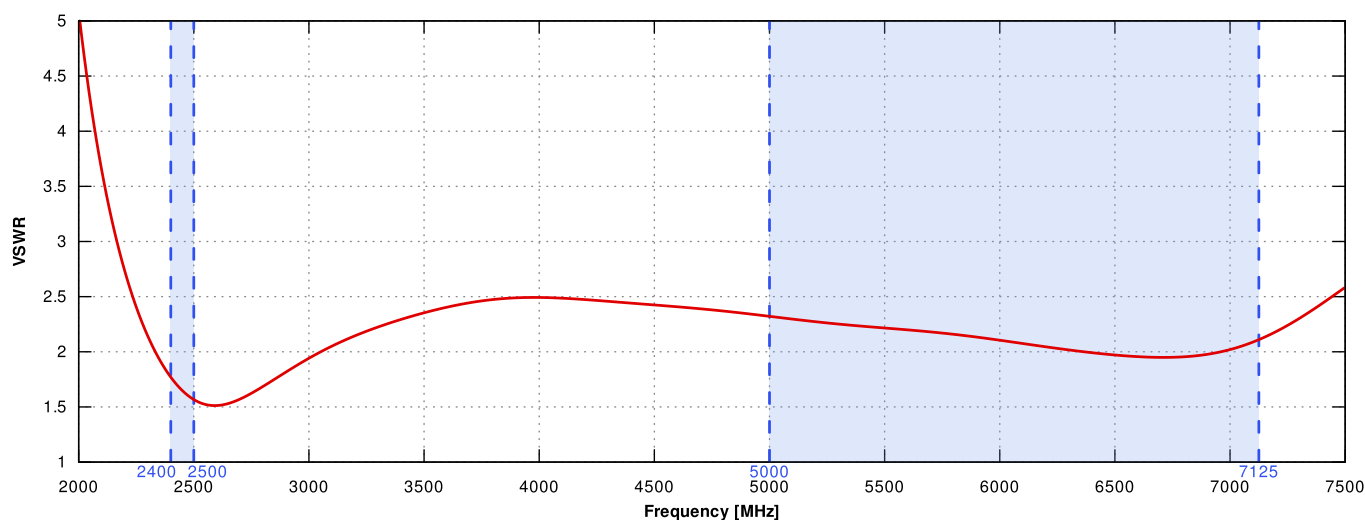
40-60 mm  
1.57-2.36 inch

## COMPATIBLE ROUTERS

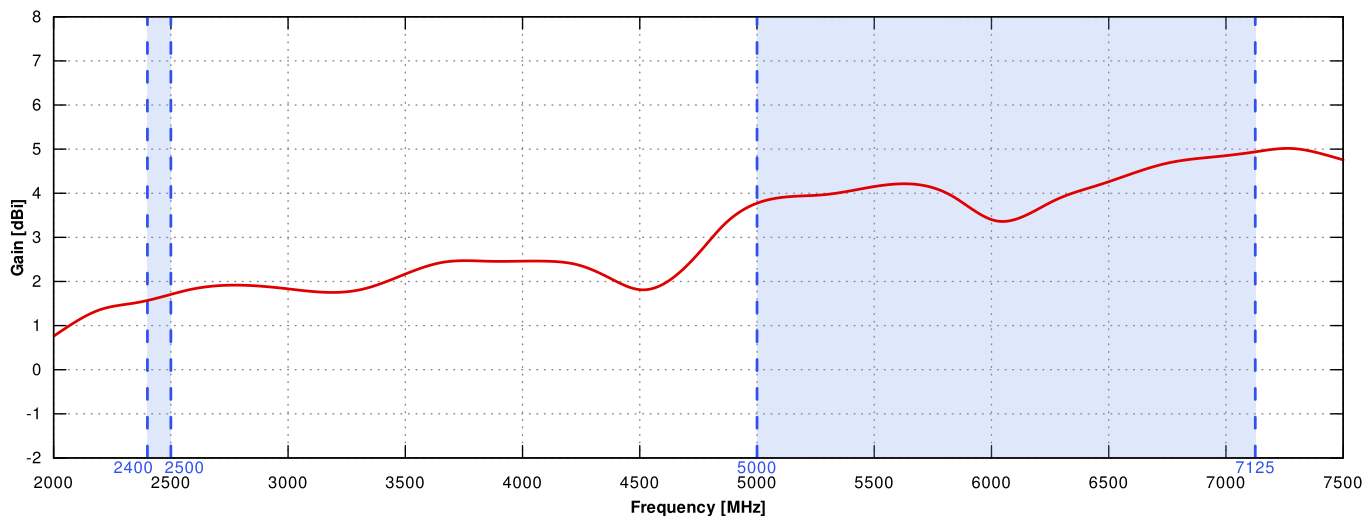
VARIANT: - \_\_\_\_\_

## PLOTS

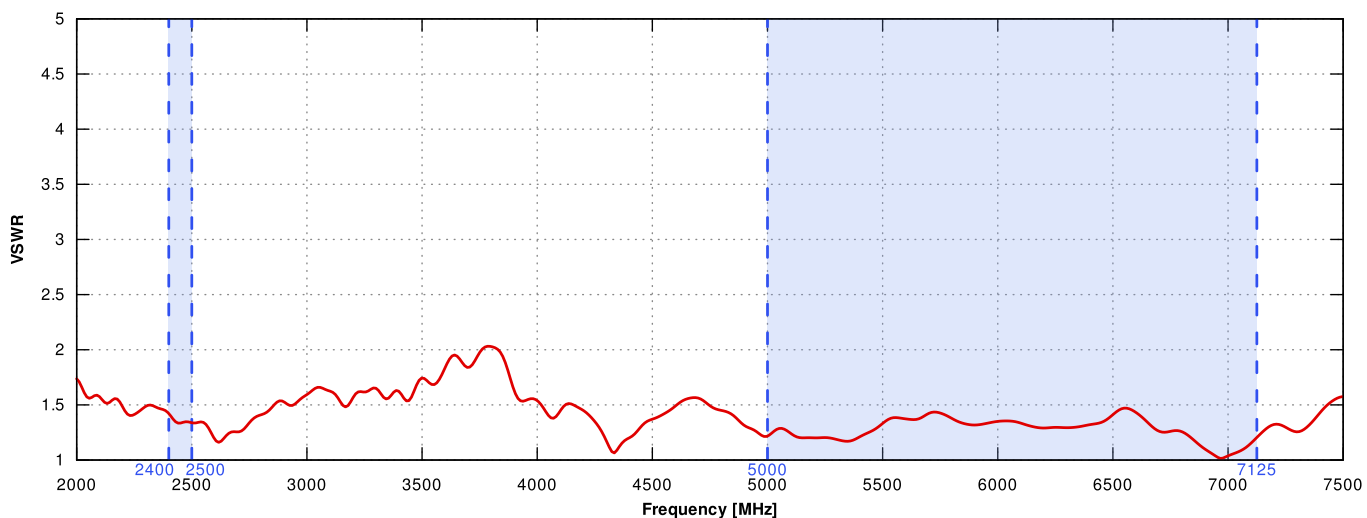
WiFi - X VSWR \_\_\_\_\_



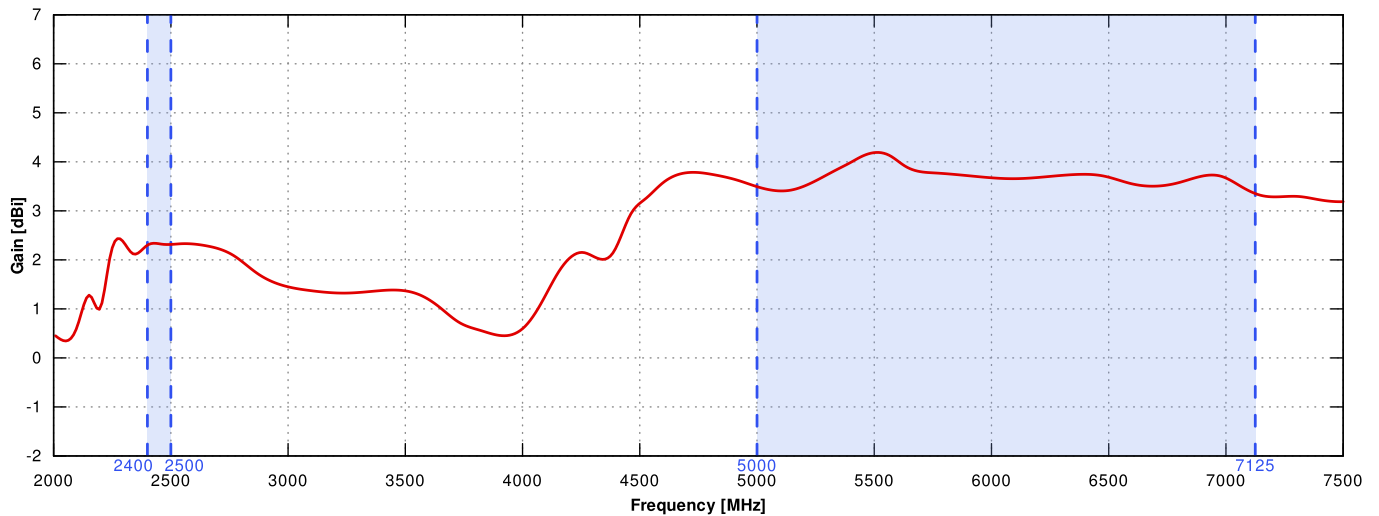
## WiFi - X GAIN



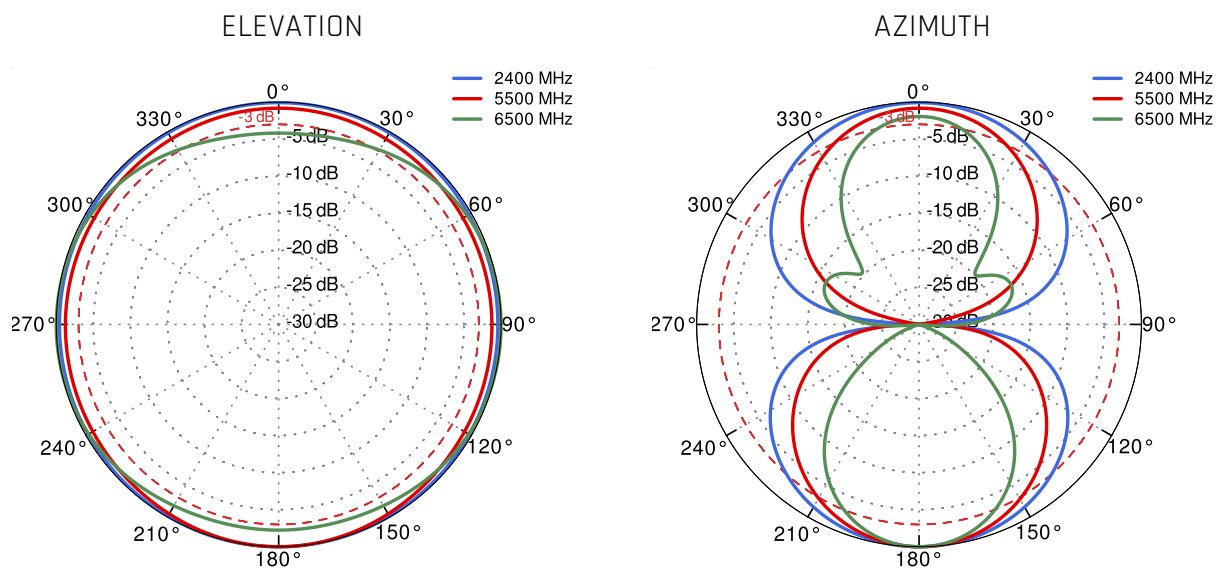
## WiFi - V VSWR



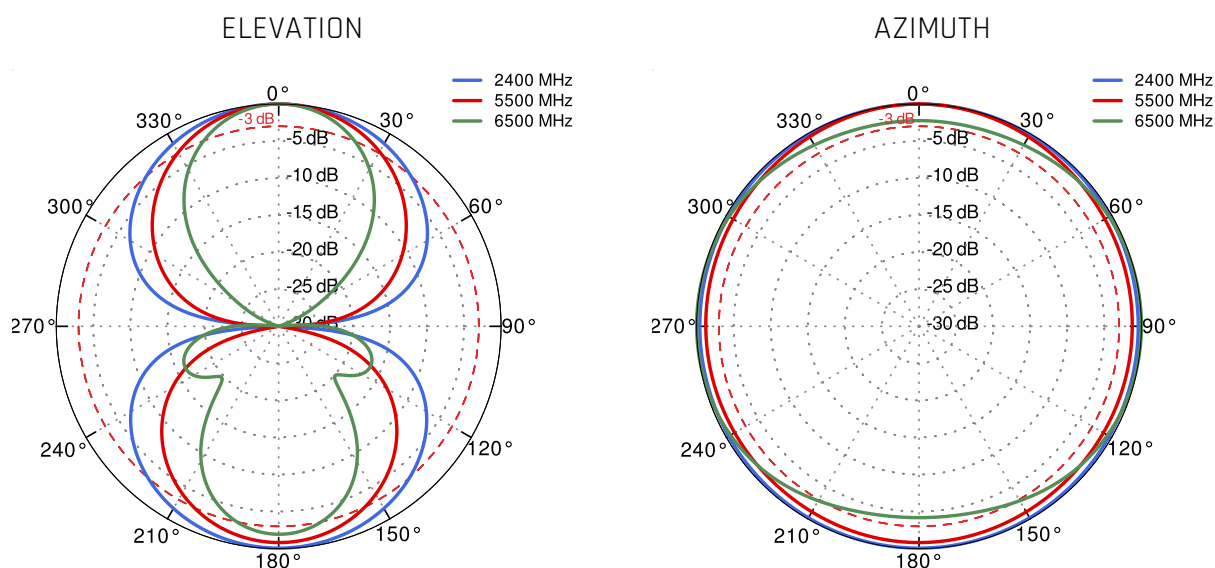
## WiFi - V GAIN



## Wi-Fi X Port 1 From 2.4 GHz to 6.5 GHz



## Wi-Fi X Port 2 From 2.4 GHz to 6.5 GHz



## Wi-Fi V From 2.4 GHz to 6.5 GHz

