

QuShell for Rajant Cardinal

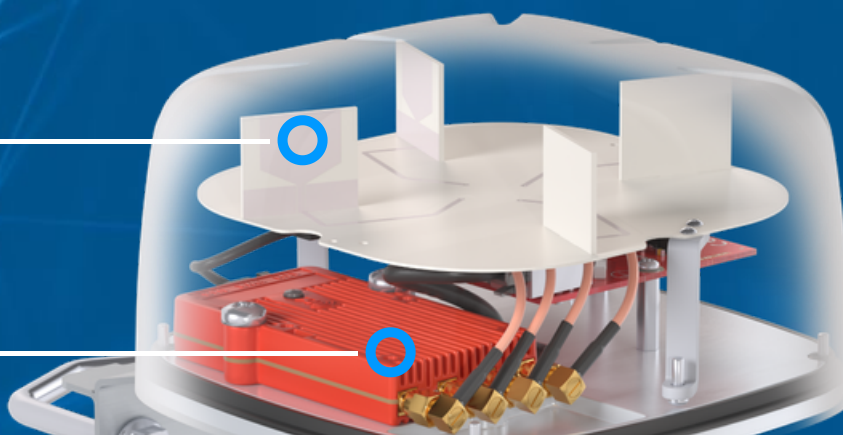
QuShell for Rajant Cardinal is a high performance mobility antenna providing performance connectivity across diverse frequencies and applications for 4x4 MIMO WiFi 6e.

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 Ω |
| 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

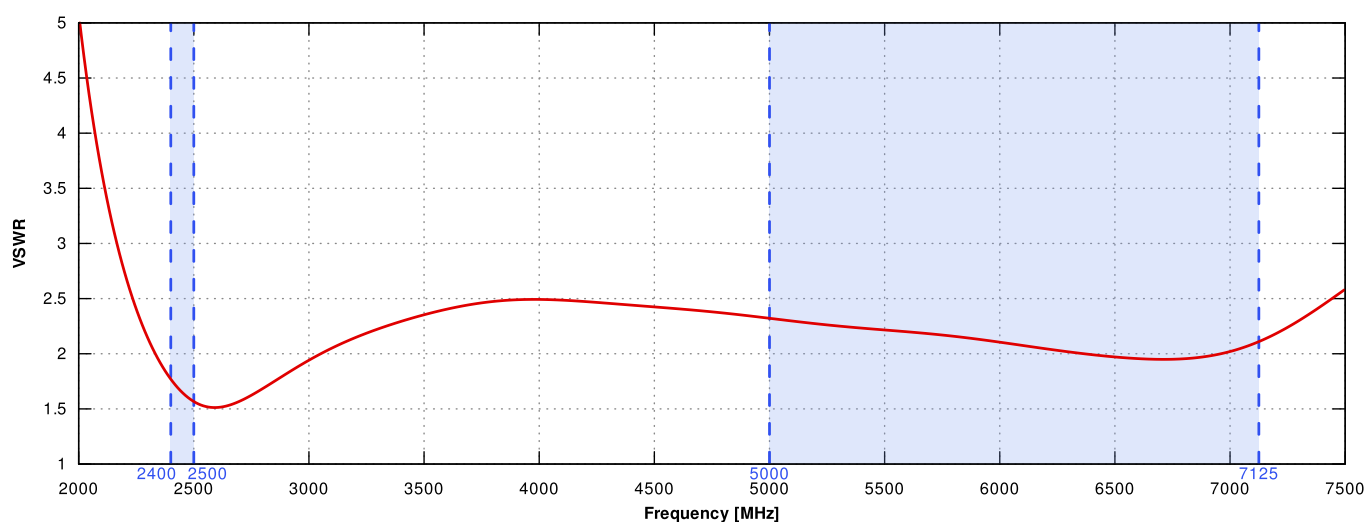
Wall or ceiling or mast

MAST DIAMETER

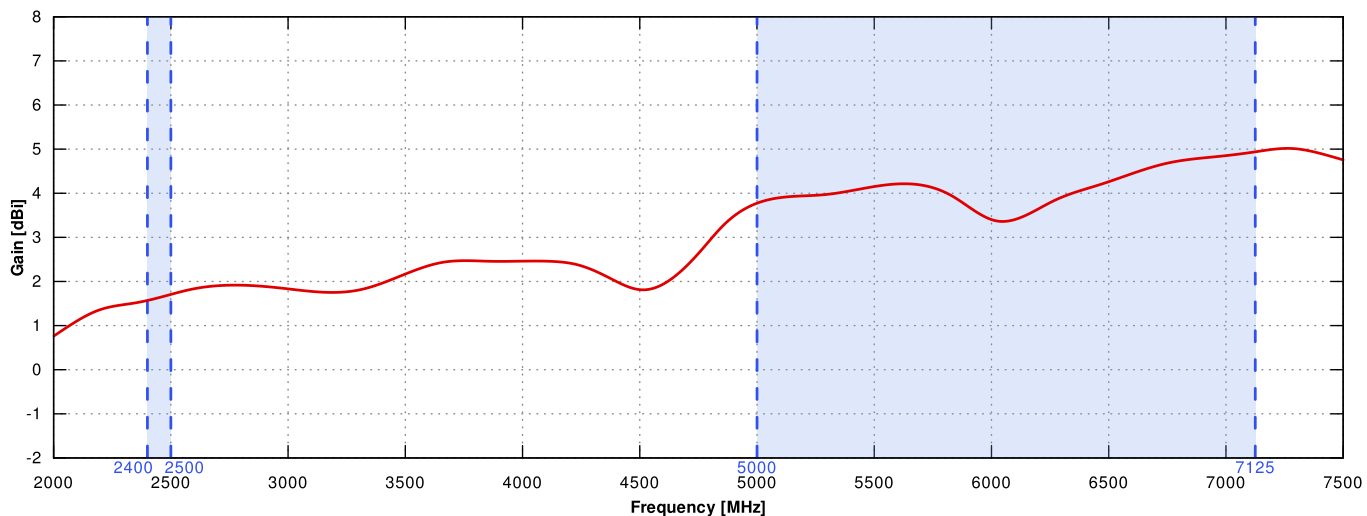
40-60 mm
1.57-2.36 inch

PLOTS

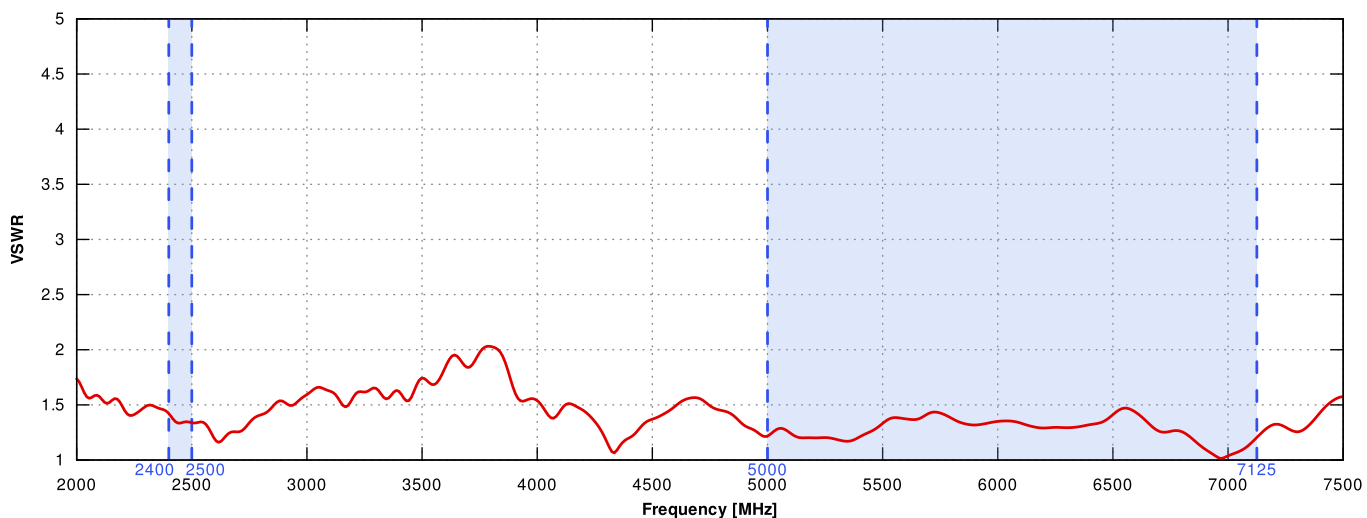
WiFi - X VSWR 



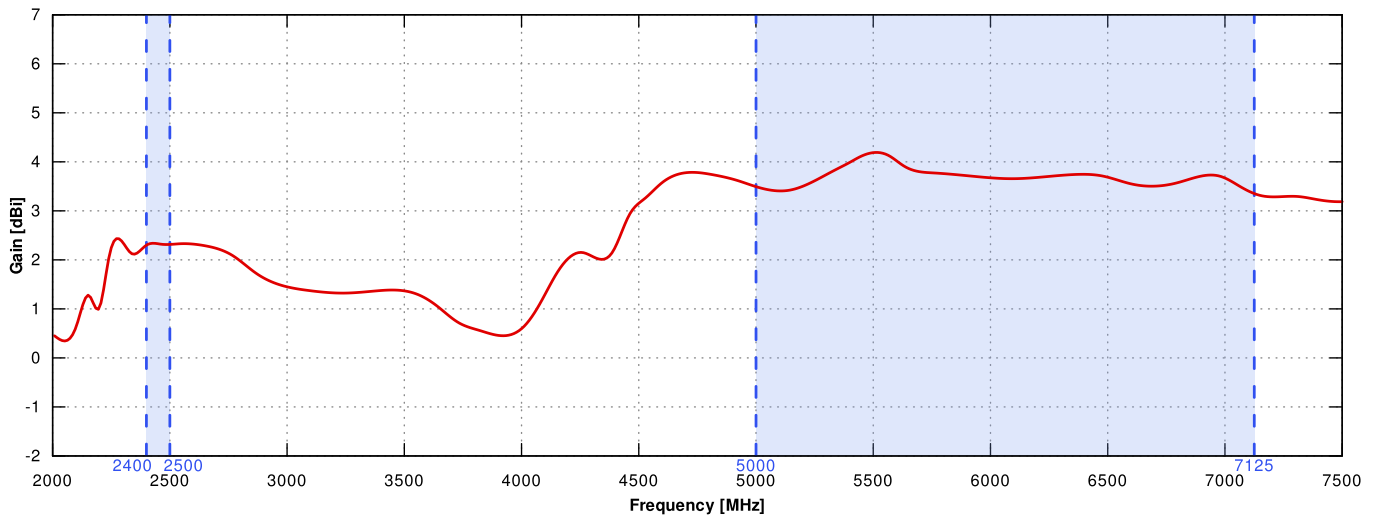
WiFi - X GAIN



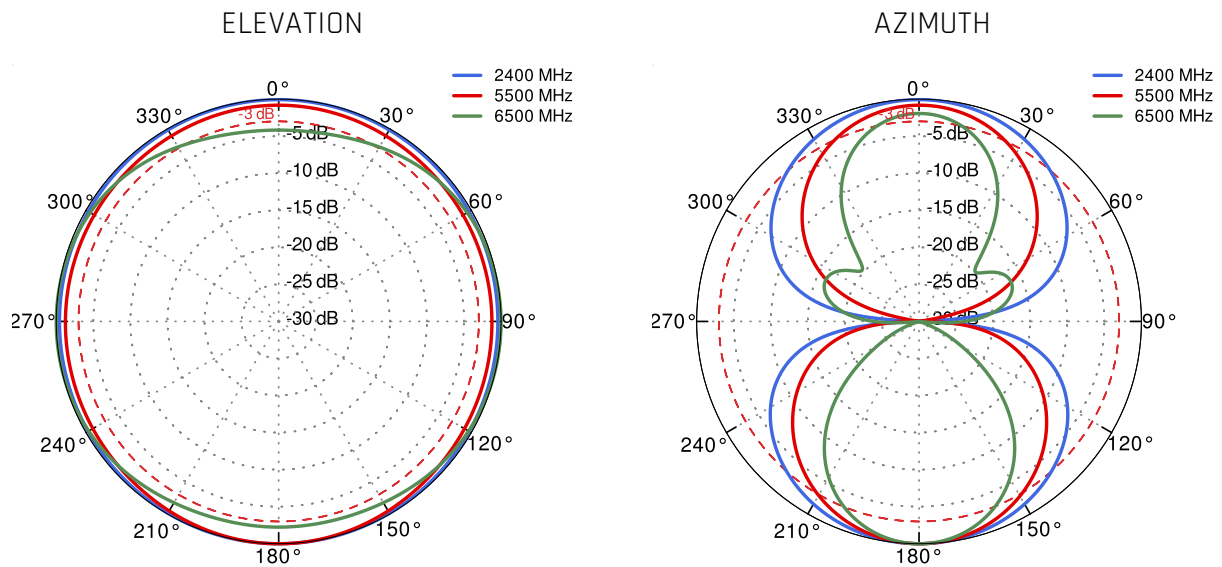
WiFi - V VSWR



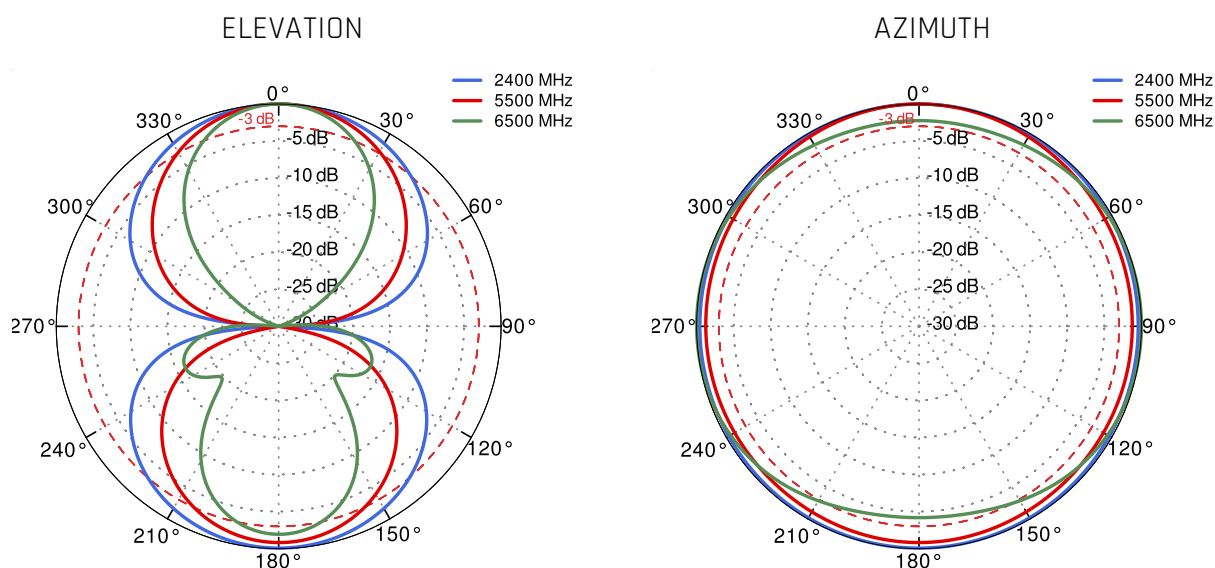
WiFi - V GAIN



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

