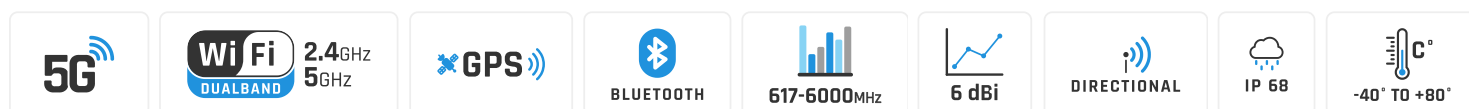


QuMax for Cradlepoint R1900

INTEGRATED MULTI-BAND 5G DIRECTIONAL ANTENNA + WIFI OMNI ANTENNA + BLUETOOTH ANTENNA + GPS ANTENNA + PASSIVE POE SPLITTER + PLACE TO INSTALL CRADLEPOINT R1900 (ALL-IN-ONE)

QuMax all-in-one antenna for Cradlepoint R1900 router is dedicated to connections with long distance to base station. It has embedded directional 5G, Wi-Fi, Bluetooth and GPS antenna. If you use R1900 with QuMax Omni antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure. It is the first choice for fixed installations in industrial environment.

The set contains a [Passive PoE splitter](#), allowing you to split data and power from a single Ethernet cable and maintain gigabit transfer speeds while protecting the LAN port from damage caused by overvoltage, short circuit or improper connection.



OUTDOOR ANTENNA WORKS IN **ANY**
WEATHER CONDITIONS, IP68



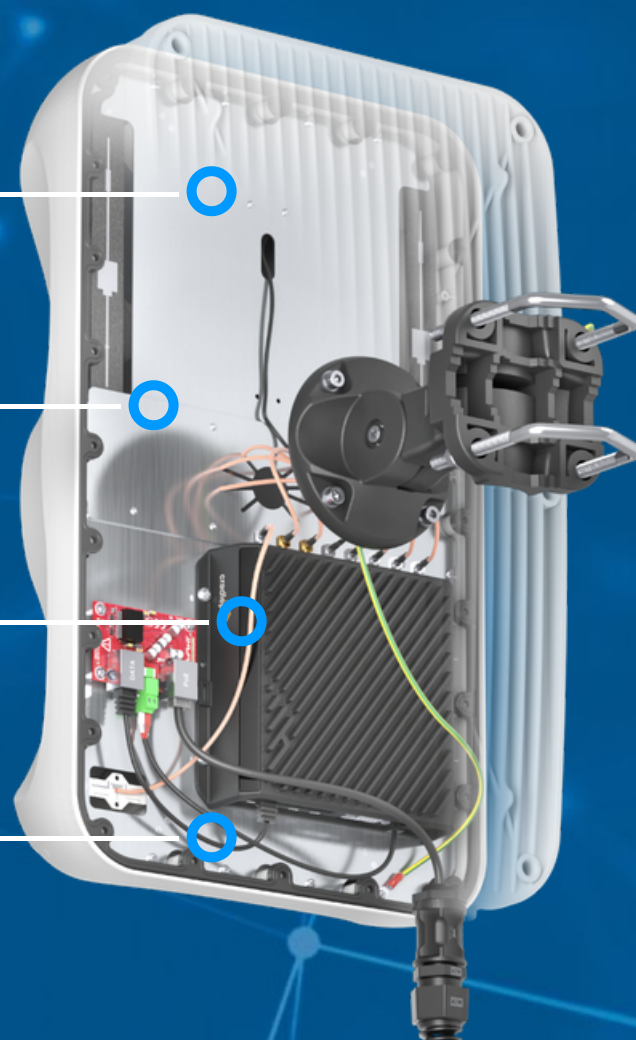
ANTENNA PERFECTLY MATCHED WITH
THE CRADLEPOINT R1900



ALL ANTENNAS AND CRADLEPOINT
ROUTER INTEGRATED IN ONE
ENCLOSURE



MADE IN **EUROPE**



5G/LTE SPECIFICATION

| | |
|---------------------|--|
| FREQUENCY | 617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz |
| 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, 46, 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, n46, n47, n48, n53, n65, n66, n67, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256 |
| GAIN | 617 - 960 MHz : 6 dBi 1.7 - 2.7 GHz : 7 dBi 3.3 - 4.6 GHz : 7 dBi 4.7 - 6.0 GHz : 5.5dBi |
| VSWR | <2.00, max <3.00 |
| BEAMWIDTH | 80°/80° ±15° |
| 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: 6dBi 5 GHz: 7.5dBi 7 GHz: 7.5dBi |
| VSWR | < 1.50, max < 2.00 |
| BEAMWIDTH | 360°/25° +/- 5° |
| POLARIZATION | Vertical |
| IMPEDANCE | 50 Ω |

MECHANICAL SPECIFICATION

| | |
|-----------------------|---|
| MATERIAL | BS, aluminum, PTFE, Fiberglass |
| INGRESS PROTECTION | IP68 |
| CONNECTOR TYPE | RJ45 |
| DIMENSIONS | 486.0 x 292.2 x 210 mm 19.13 x 11.50 x 8.27 inch |
| WEIGHT | 1.8 kg 3.97 lbs |
| OPERATING TEMPERATURE | From -40°C to 75°C From -40°F to 167°F |

MOUNTING KIT

DIMENSIONS

9.9 x 10.5 x 14.8 cm
3.9 x 4.13 x 5.83 inch

REGULATION RANGE

+/- 30°

MAST DIAMETER RANGE

25 - 60mm
0.98-2.36 inch

MATERIAL

Polyamide with fiberglass + galvanized steel U-Bolts

WEIGHT

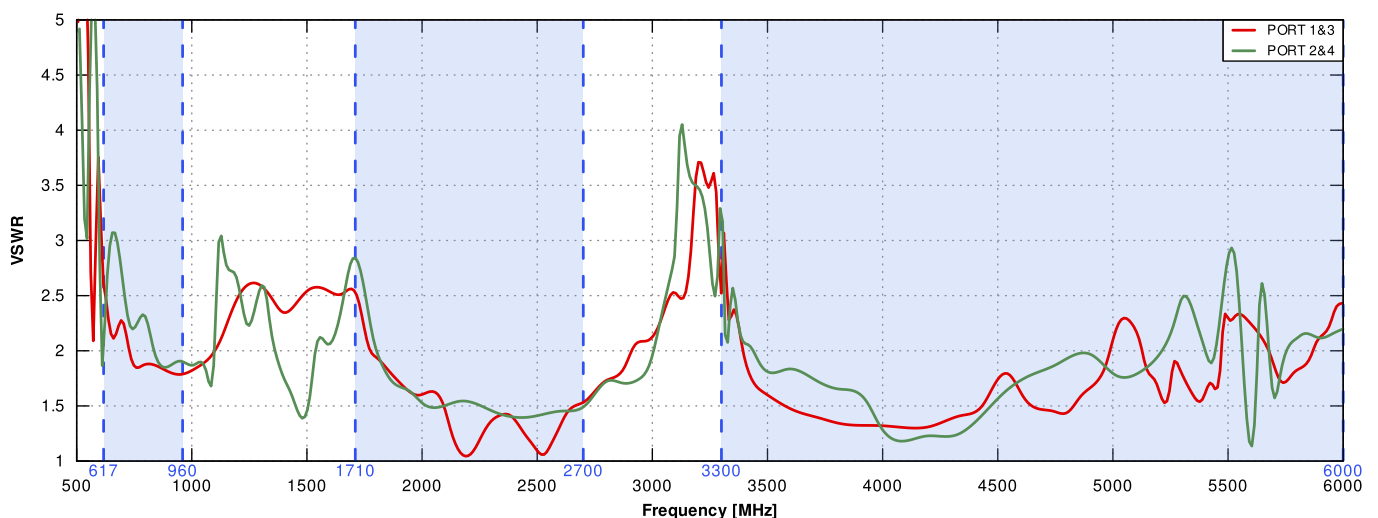
0.87kg

MOUNTING PLACE

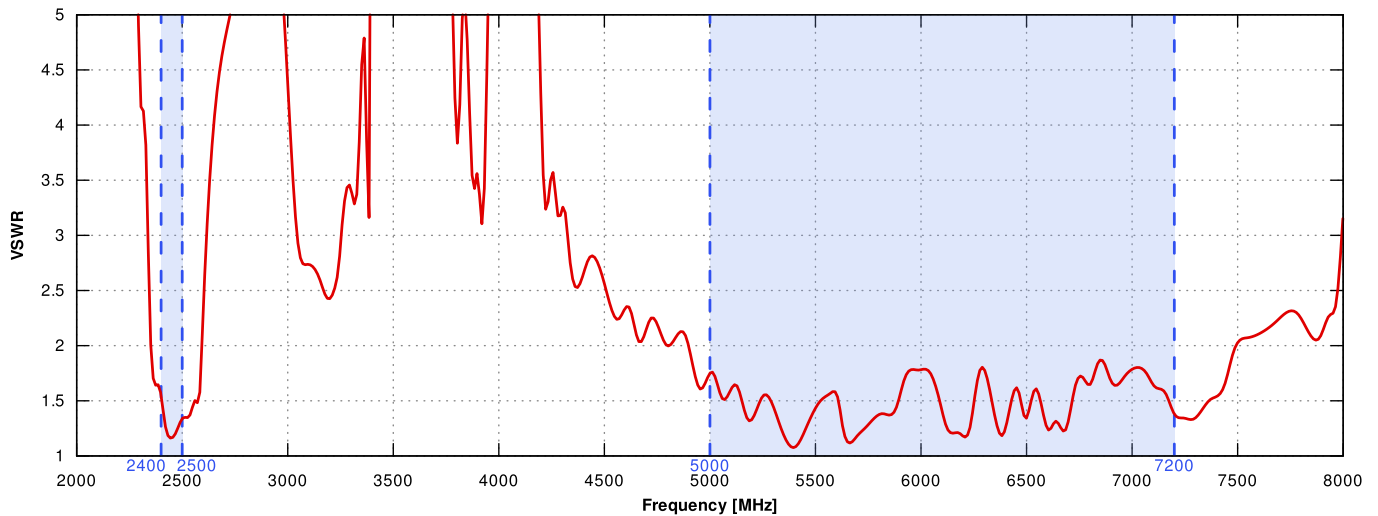
Wall or mast or ceiling

PLOTS

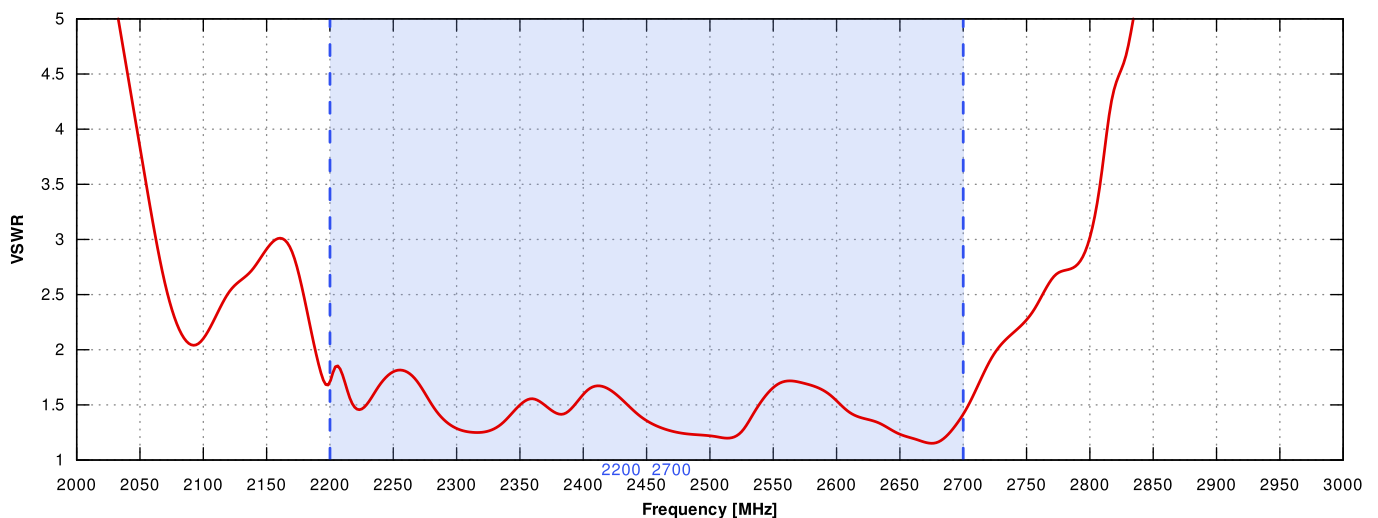
VSWR for 5G/LTE antenna



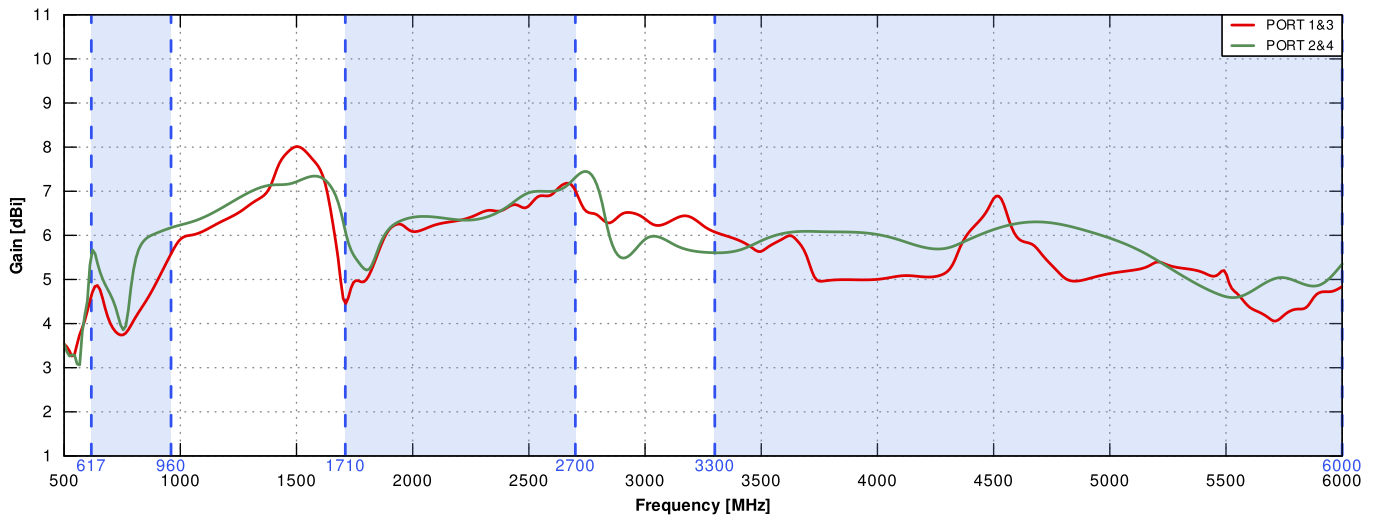
VSWR for Wi-Fi antenna



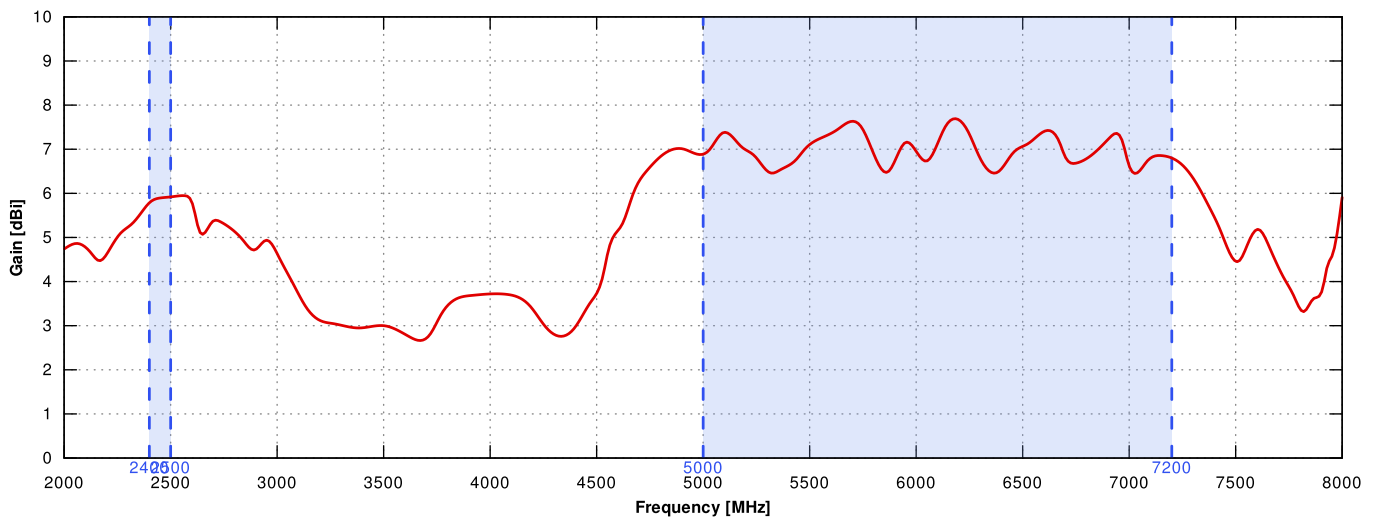
VSWR for Bluetooth antenna



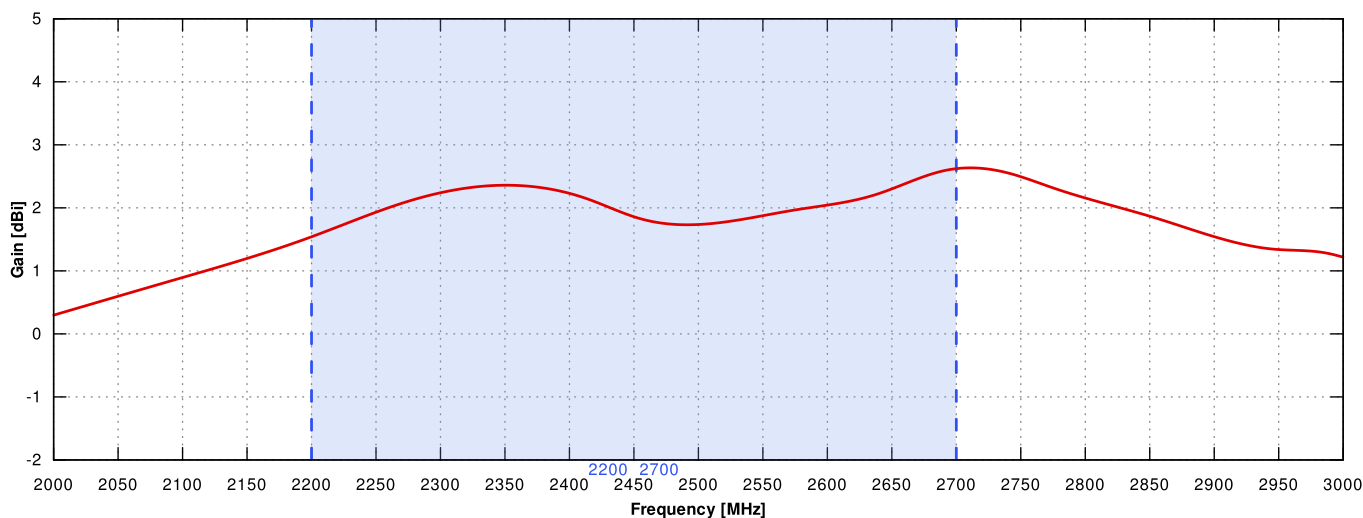
Gain for 5G/LTE antenna



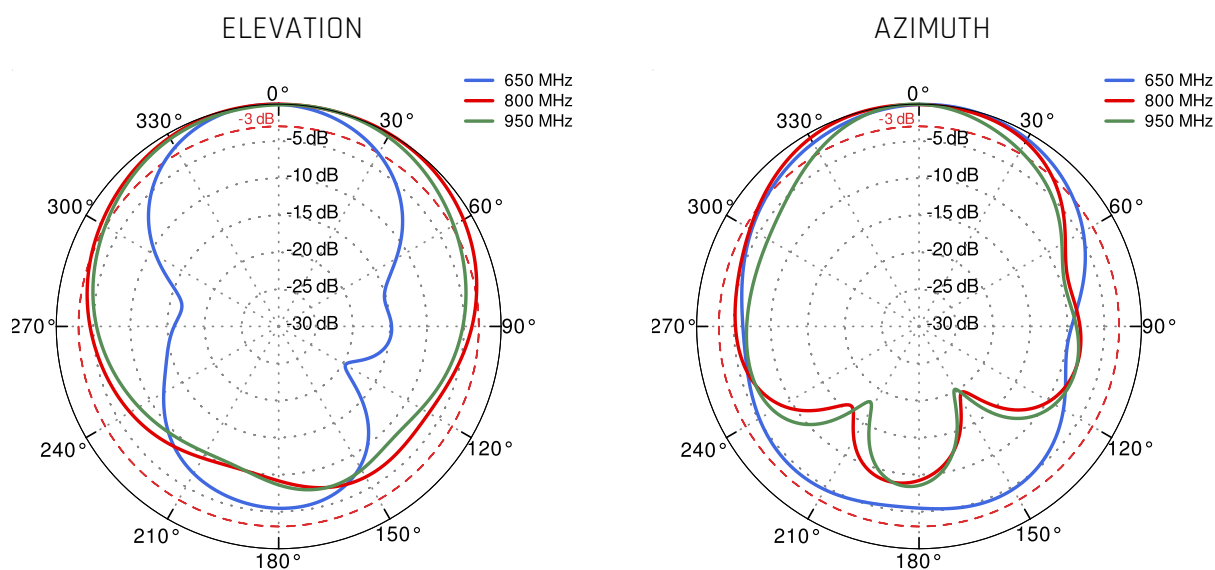
Gain for Wi-Fi antenna



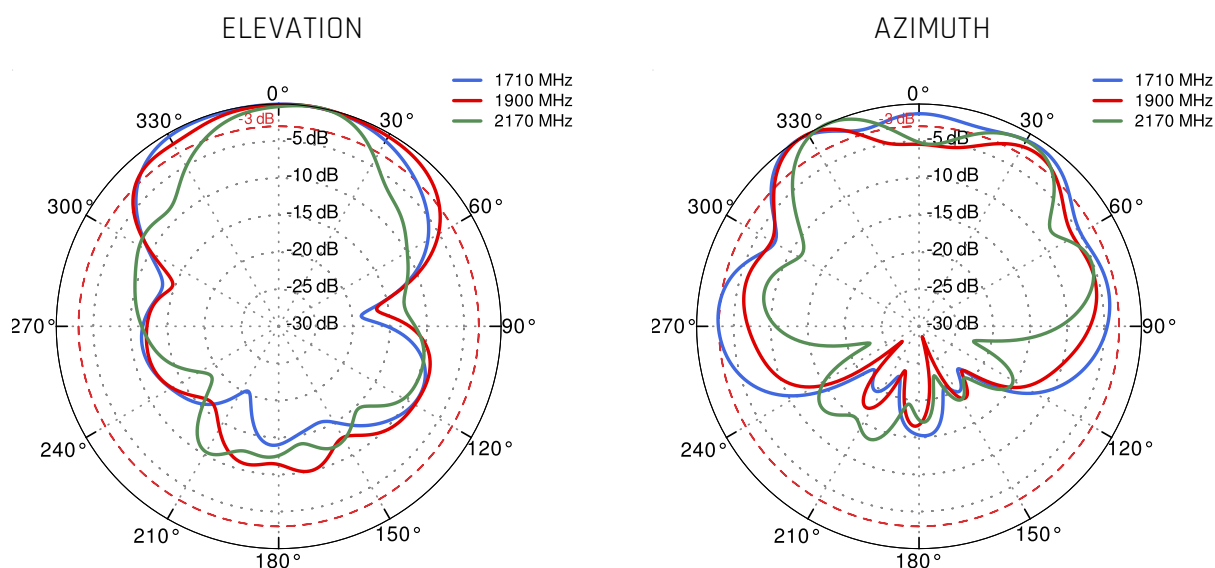
Gain for Bluetooth antenna



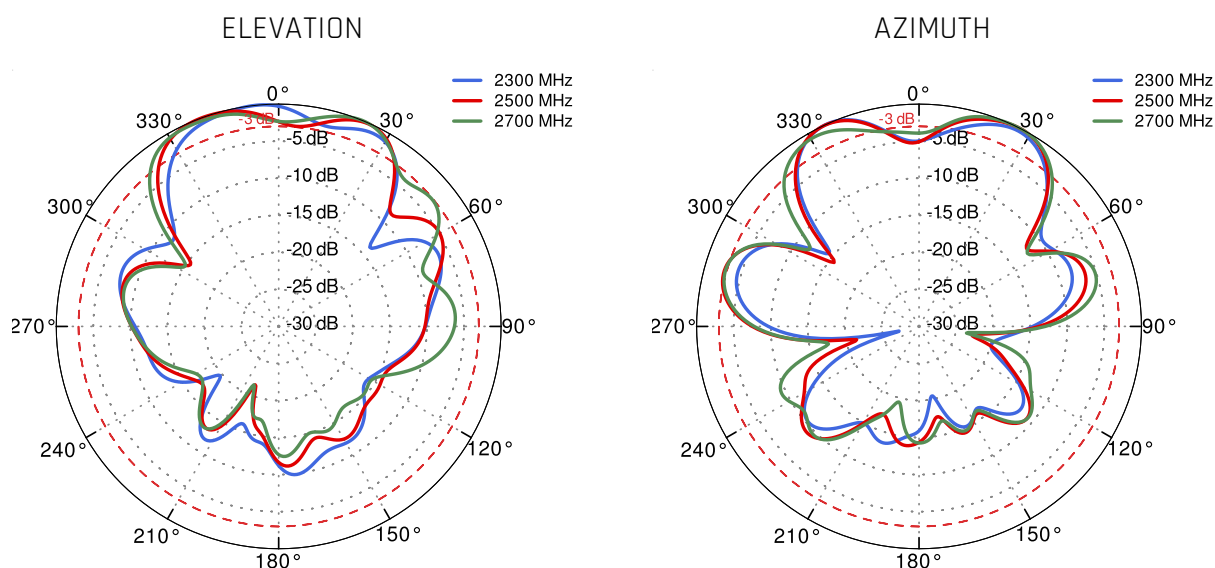
5G/LTE Port 1/3 from 650MHz to 950MHz



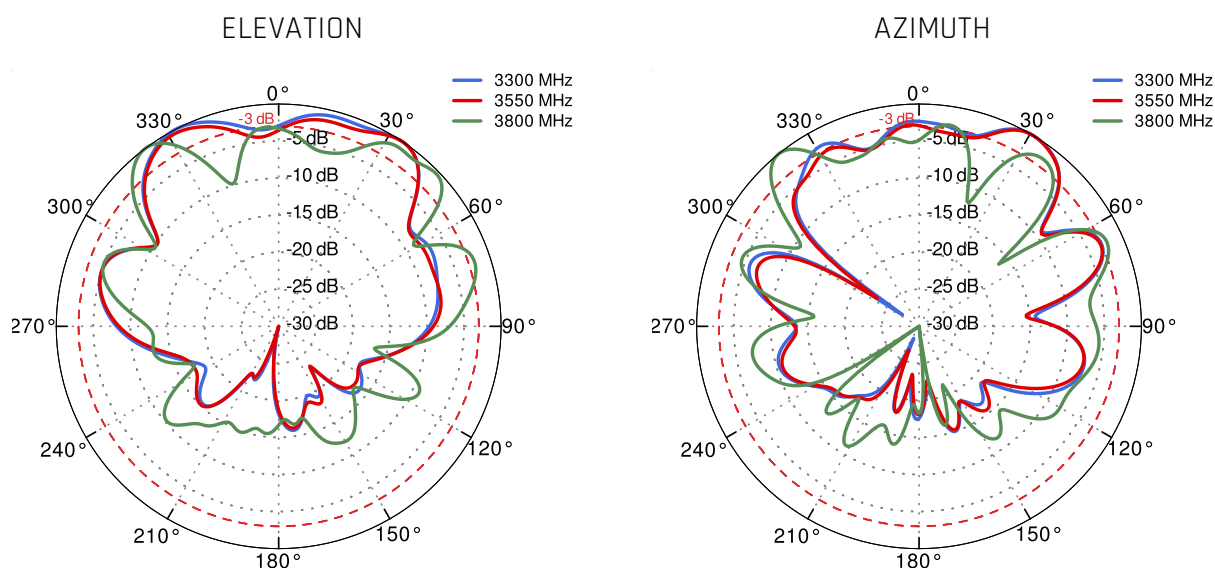
5G/LTE Port 1/3 from 1.71GHz to 2.17GHz



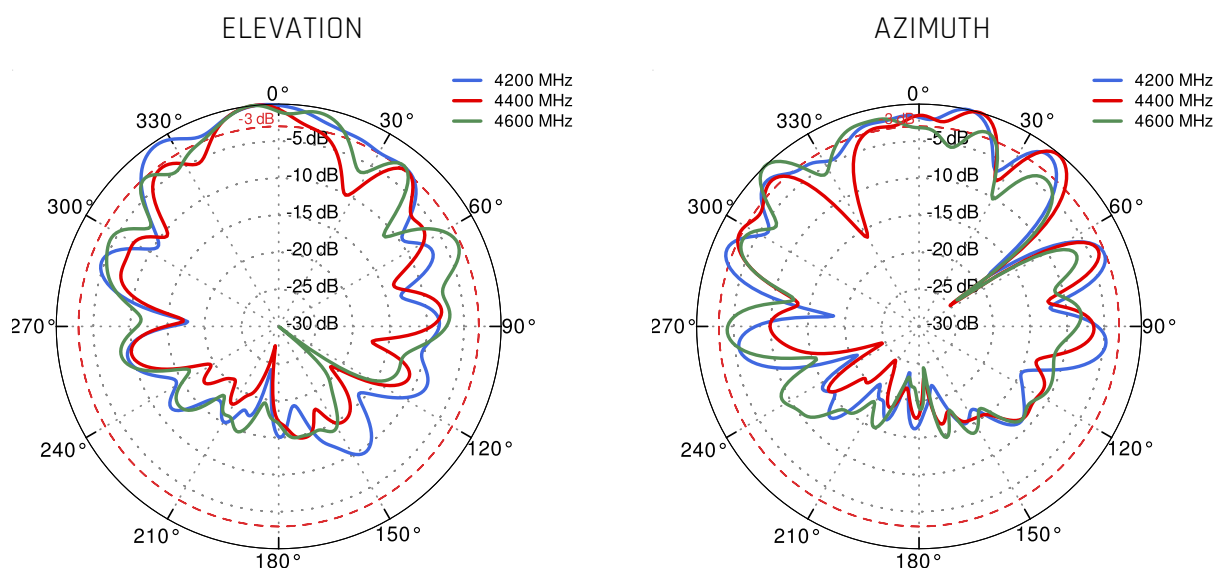
5G/LTE Port 1/3 from 2.3GHz to 2.7GHz



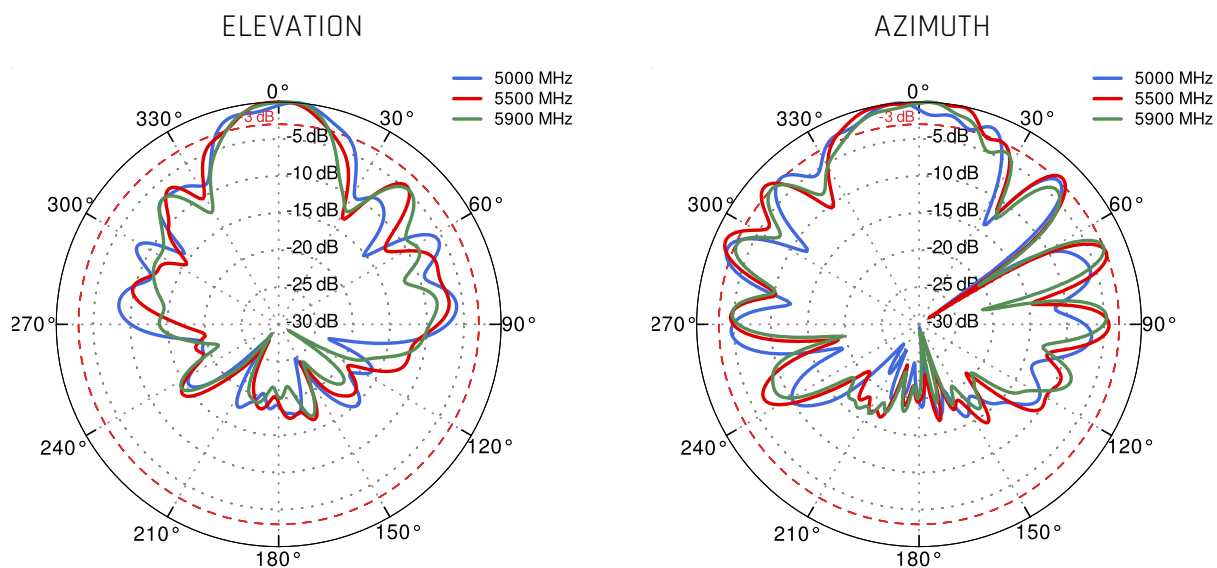
5G/LTE Port 1/3 from 3.3 GHz to 3.8 GHz



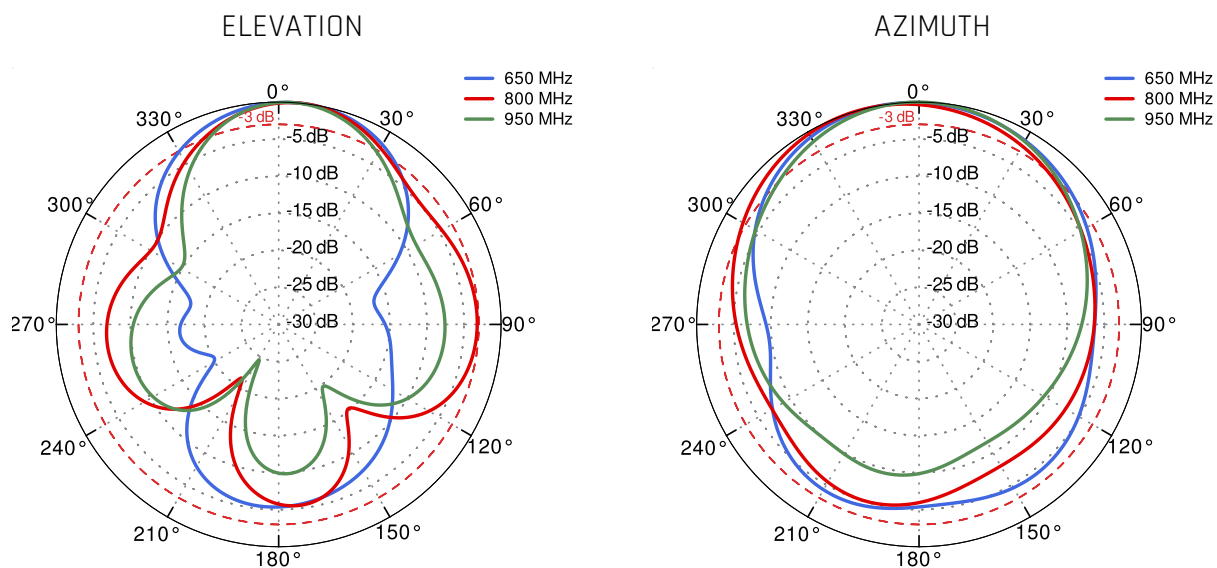
5G/LTE Port 1/3 from 4.2 GHz to 4.6 GHz



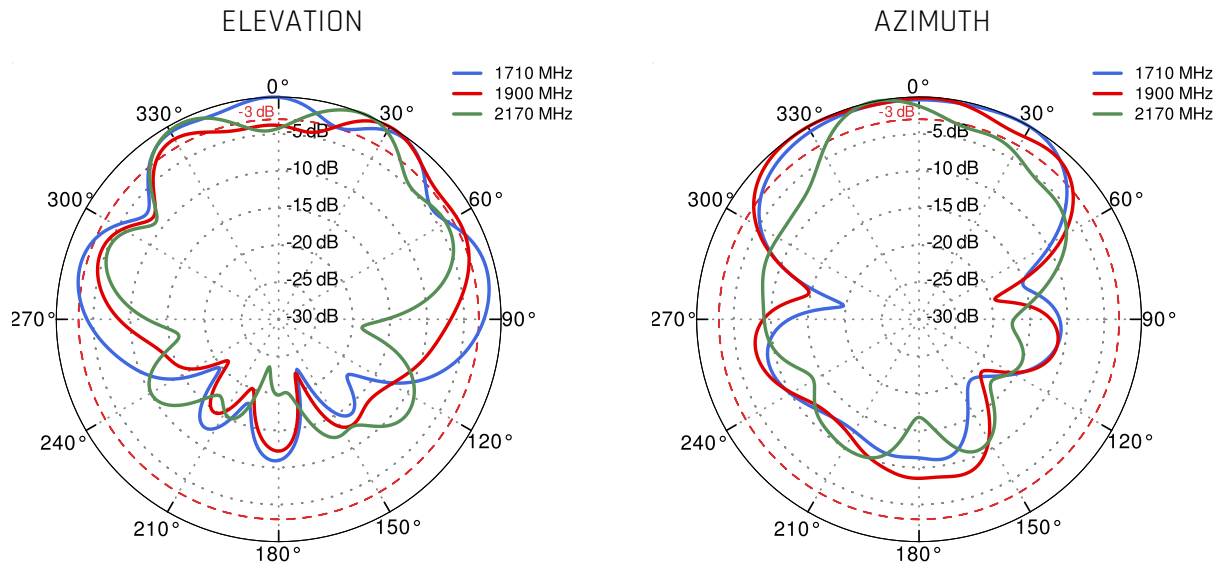
5G/LTE Port 1/3 from 5.0 GHz to 5.9 GHz



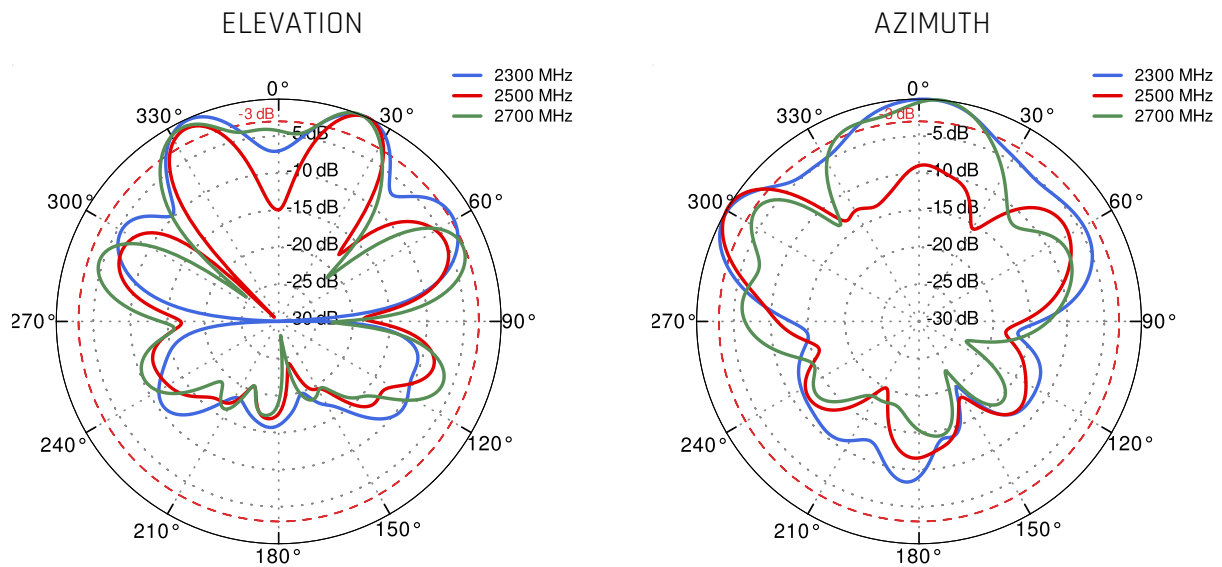
5G/LTE Port 2/4 from 650 MHz to 950 MHz



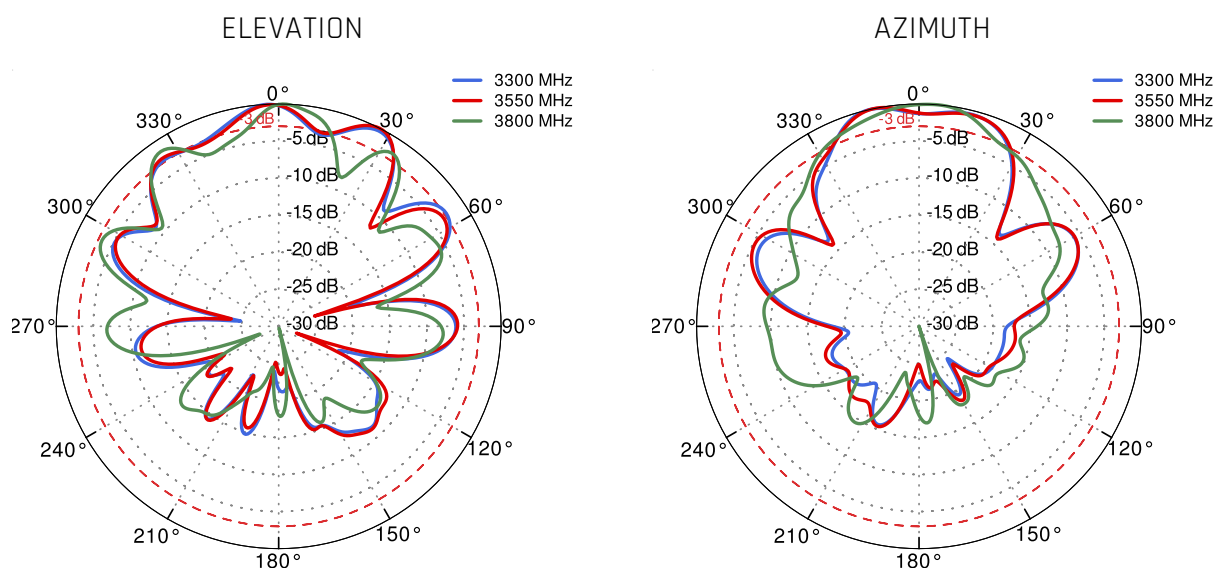
5G/LTE Port 2/4 from 1.71 GHz to 2.17 GHz



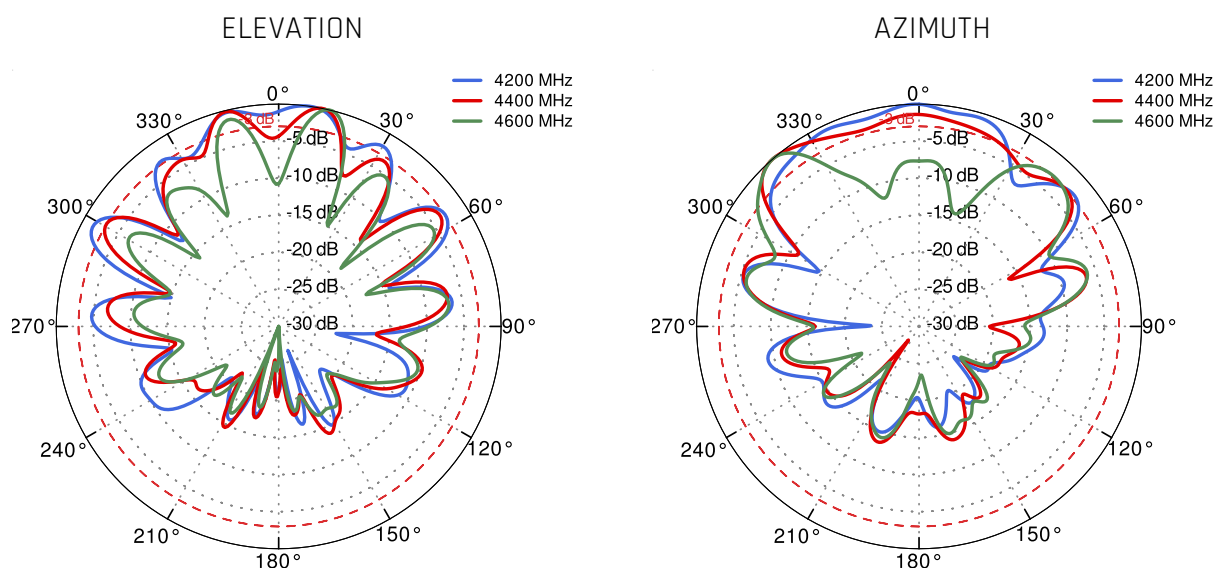
5G/LTE Port 2/4 from 2.3 GHz to 2.7 GHz



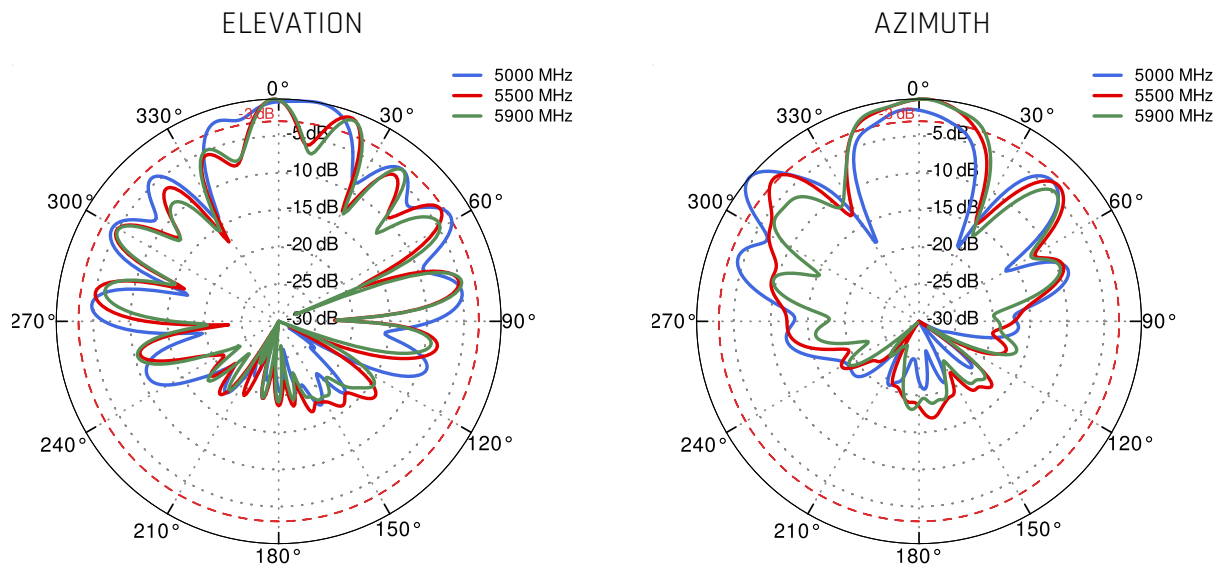
5G/LTE Port 2/4 from 3.3 GHz to 3.8 GHz



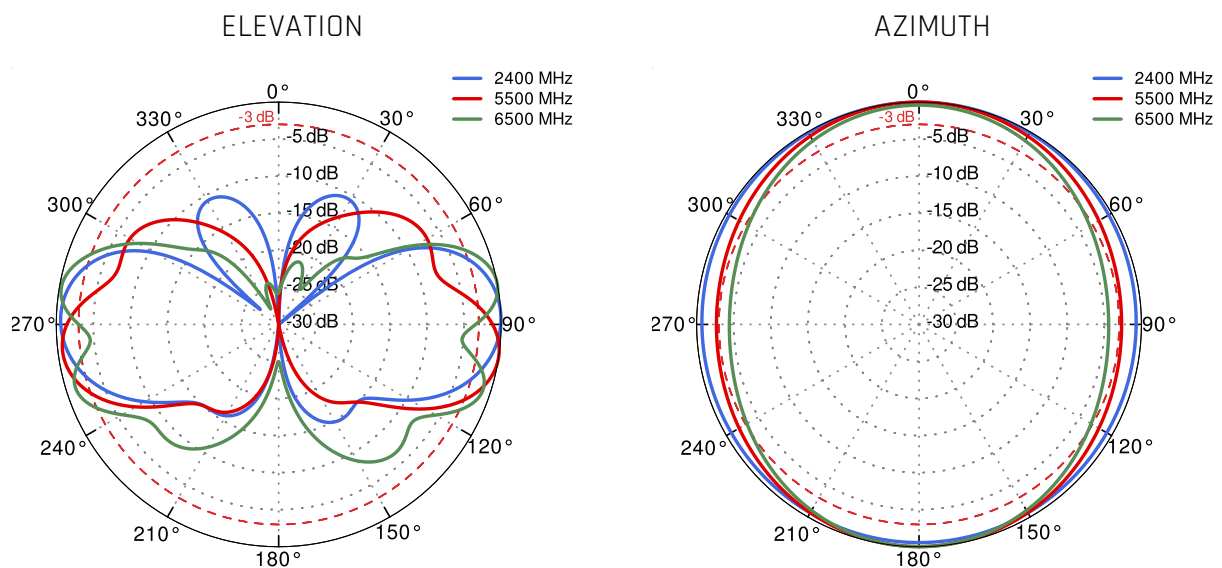
5G/LTE Port 2/4 from 4.2 GHz to 4.6 GHz



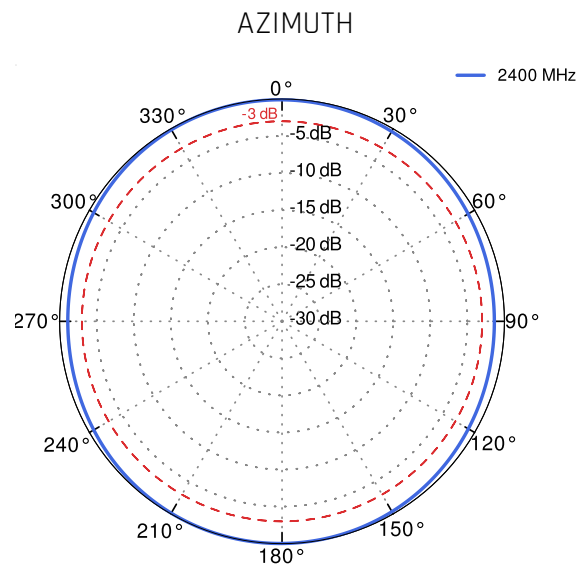
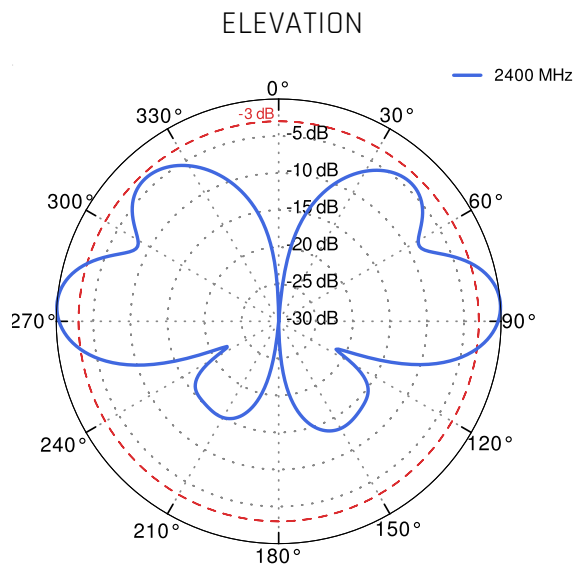
5G/LTE Port 2/4 from 5.0 GHz to 5.9 GHz



Wi-Fi From 2.4 GHz to 6.5 GHz



Bluetooth



DIMENSIONS

