

QuShell 24G

QuShell 5G/LTE 2x2MIMO, 4x4 MIMO WiFi 6e is a high performance mobility antenna providing performance connectivity across diverse frequencies and applications for 5G/4G/LTE.

QuShell 5G/LTE 2x2MIMO, 4x4 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 4x4 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.

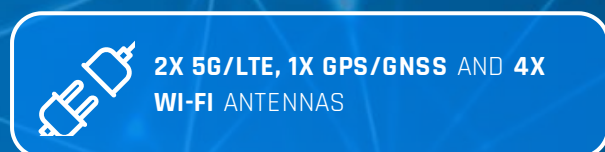
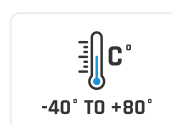
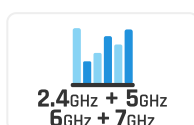
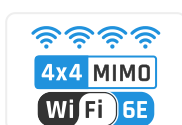
It comes with **2x 5G/LTE, 1x GPS/GNSS** and **4x Wi-Fi** antennas.

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 QuShell 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 QuShell on a roof, mast, pole, wall or other flat surfaces.

Standard cable length is 50cm. For other variants please contact your local reseller or account manager.



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 |

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 |

MECHANICAL SPECIFICATION

| | |
|-----------------------|--|
| MATERIAL | ABS |
| CONNECTOR | 4xRPSMA & 3xSMA |
| 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 |
| CABLE TYPE | RG174 |

MOUNTING KIT

| | |
|----------------|----------------------------|
| MATERIAL | Galvanized steel |
| WEIGHT | 0.4kg |
| MOUNTING PLACE | Wall or ceiling or mast |
| MAST DIAMETER | 40-66 mm 1.57-2.60 inch |

COMPATIBLE ROUTERS

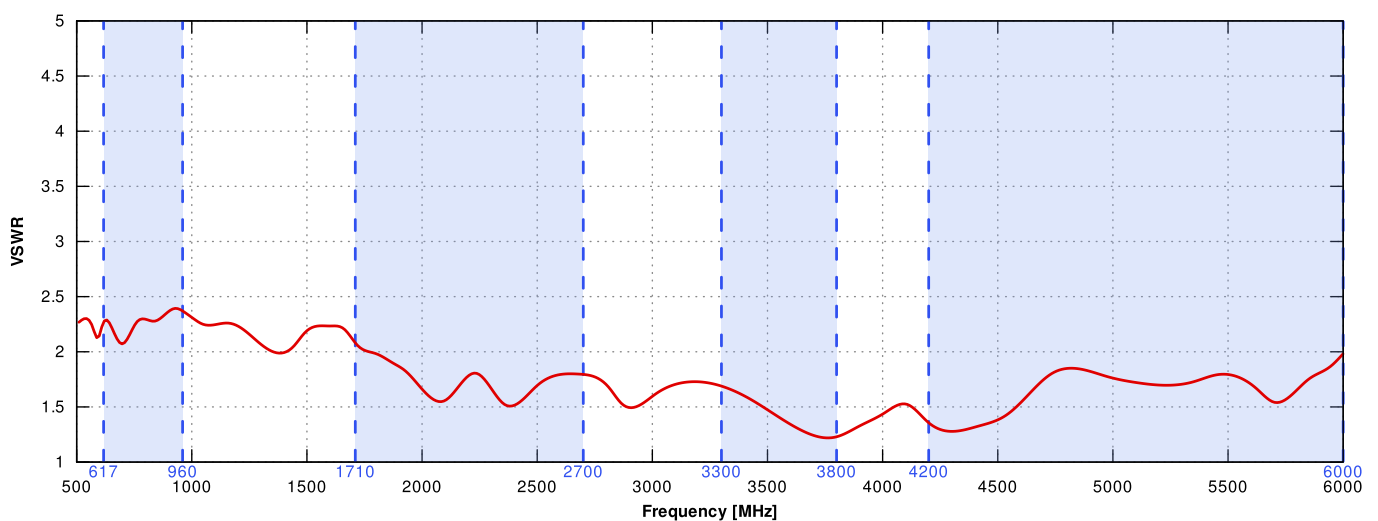
VARIANT: ASL24G

| | |
|------------------------|---|
| TELTONIKA | RUT271, RUT976 |
| ROBUSTEL | EG5200, R1511, R201x |
| ANYBUS | WLAN Access Point IP30 |
| COMSET | CM210A-W, CM210Q-W, CM510Q-W, CM550W, CM580W, CM685V-1, CM685V-4, CM685V-6, CM685V-6-G, CM685VX, CM820Q-4, CM820Q-6, CM950W |
| DIGI | TX64 |
| ERICSSON (CRADLEPOINT) | E300, R500 |
| FOUR-FAITH | 5G Industrial Router F-NR100, 5G SIM WiFi Router F-NR120, 5G Smart Light Pole Gateway F-G300, Edge Computing Gateway F-G100 |
| PEPLINK | Balance 310 5G |
| PROROUTE | H685 LTE 4G CAT6 Router, H685 WRT M2M 5G Router, H900 5G Router |

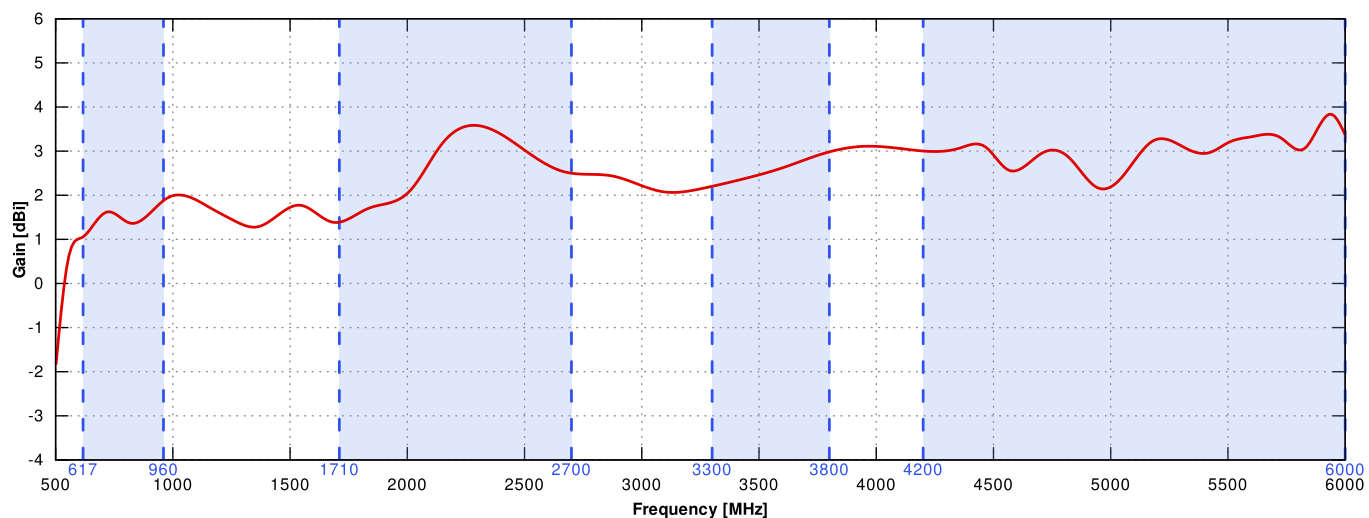
| | |
|------------------|--|
| ROBUSTEL | EG5200, R1511, R201x |
| SIEMENS | 6GK5763-1AL00-7DA0, 6GK5763-1AL00-3AA0, 6GK5763-1AL00-3DA0, 6GK5763-1AL00-7DB0, Scalance W734 RJ45, Scalance W774 M12 EEC, Scalance W774 RJ45, SCALANCE W786 |
| TELTONIKA | RUT271, RUT976 |
| WAVETEL | W4600, W4600-NR 5G, W4600-S2 |
| WLINK | G510, G520, R220, R520 |
| ZYXEL | LTE3301-PLUS, NR5101 |
| OTHER | 2 * SMA |

PLOTS

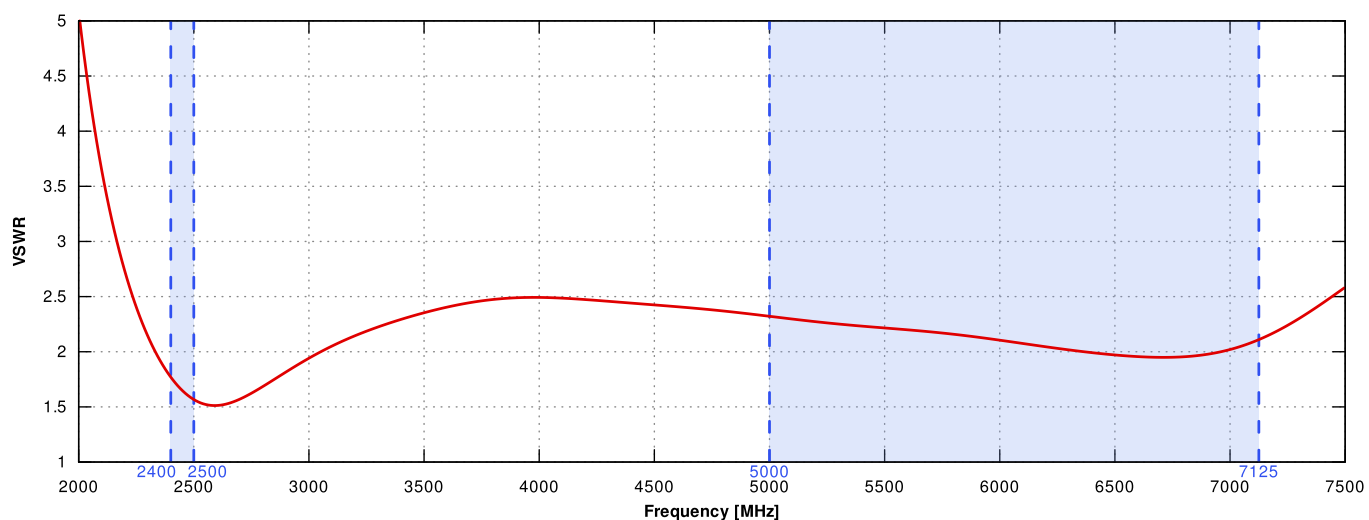
5G/LTE VSWR



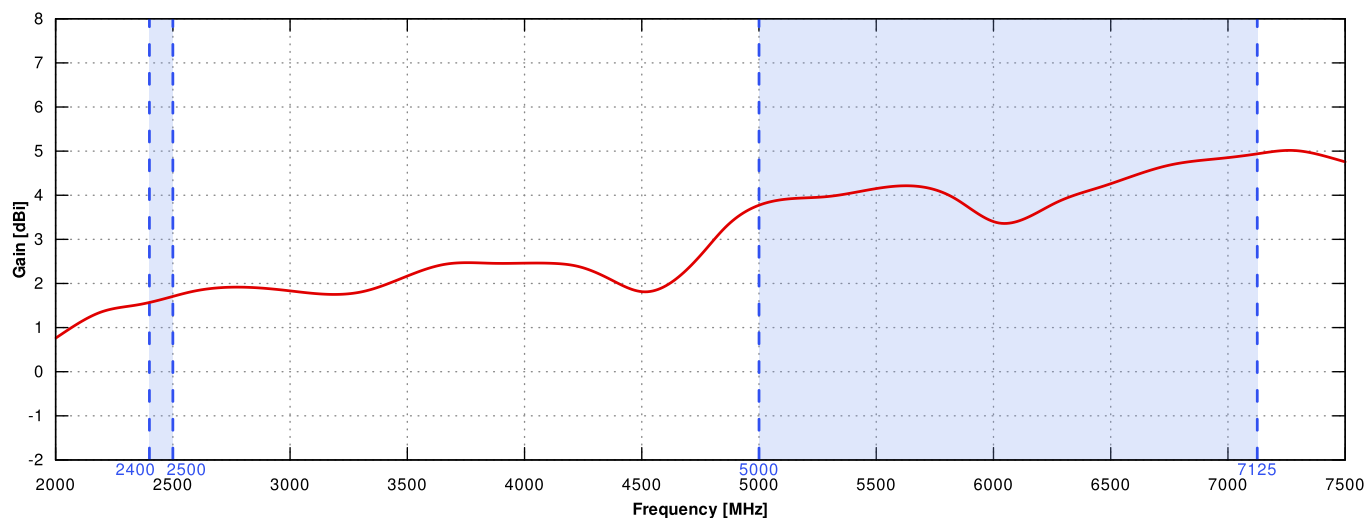
5G/LTE GAIN



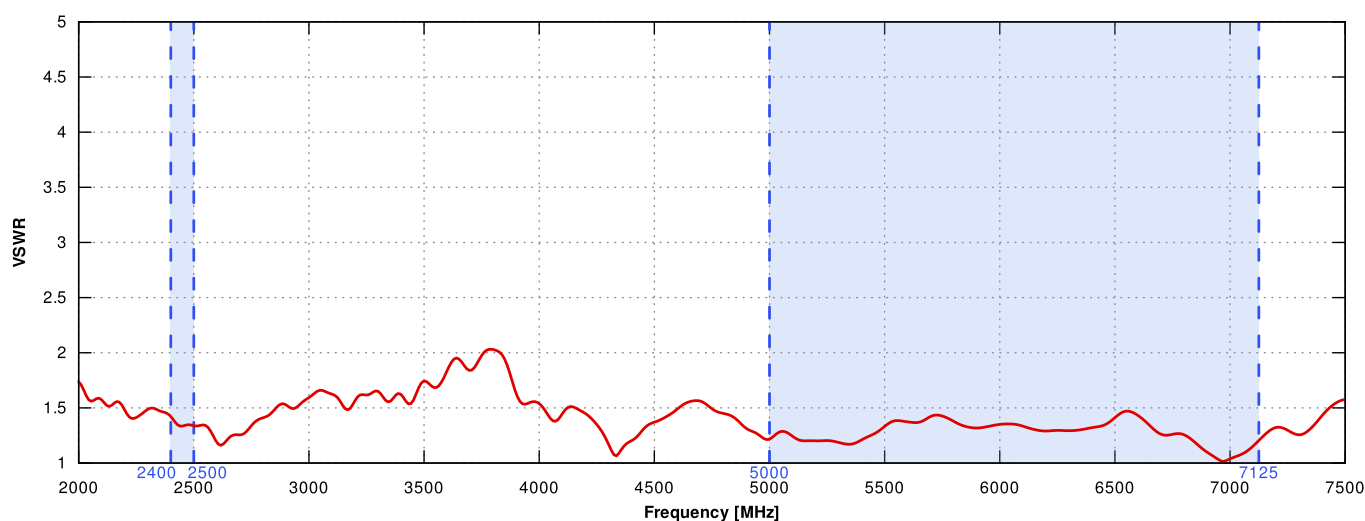
WiFi - X VSWR



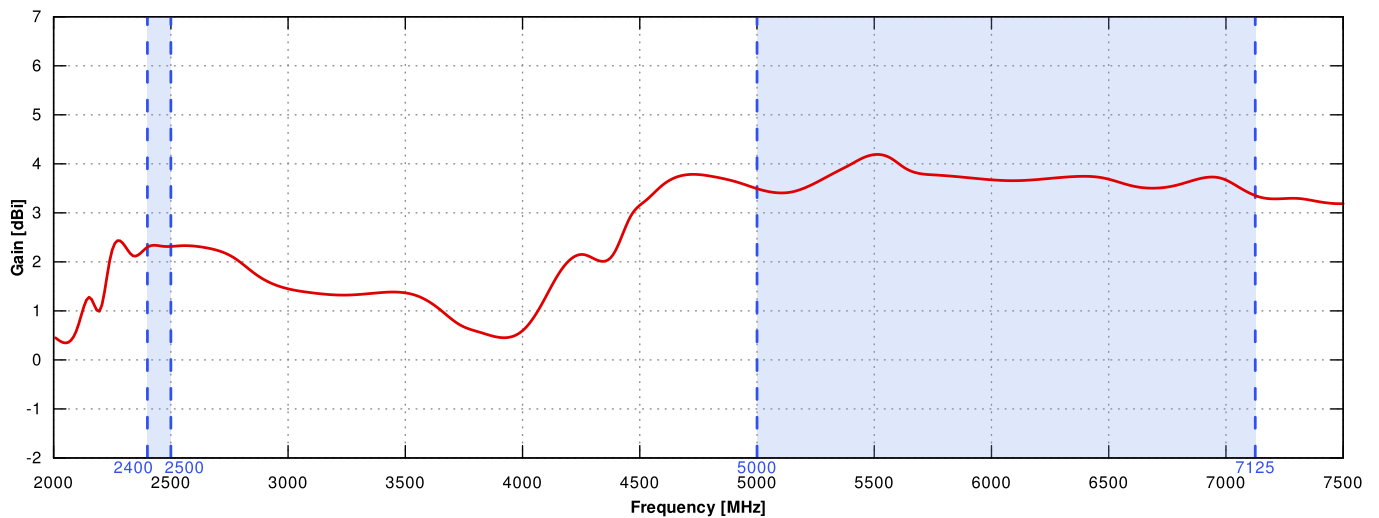
WiFi - X GAIN



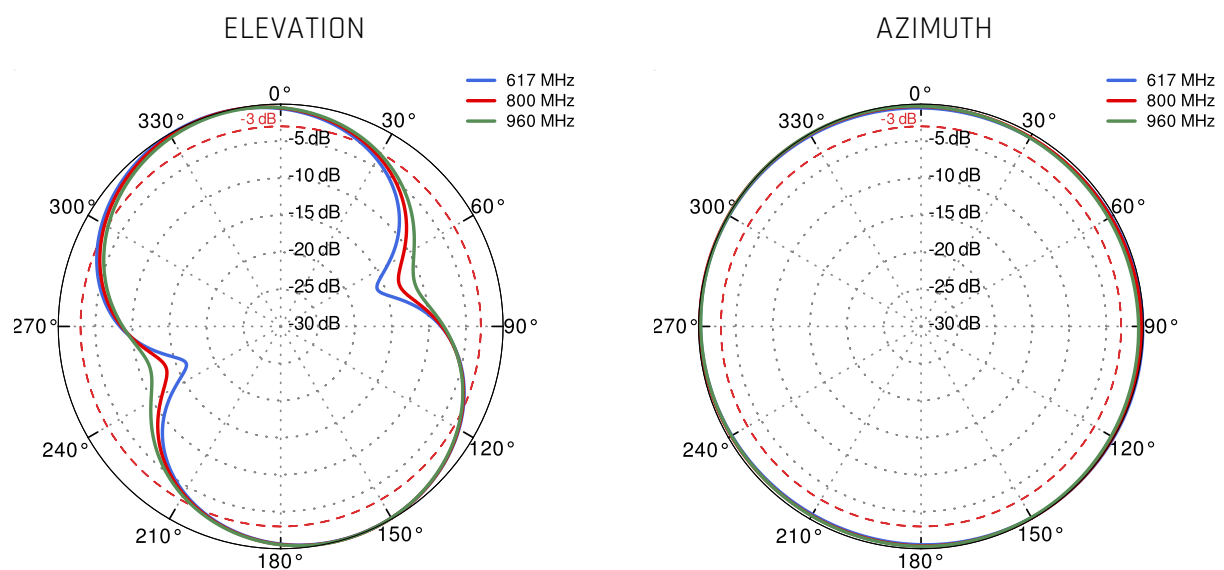
WiFi - V VSWR



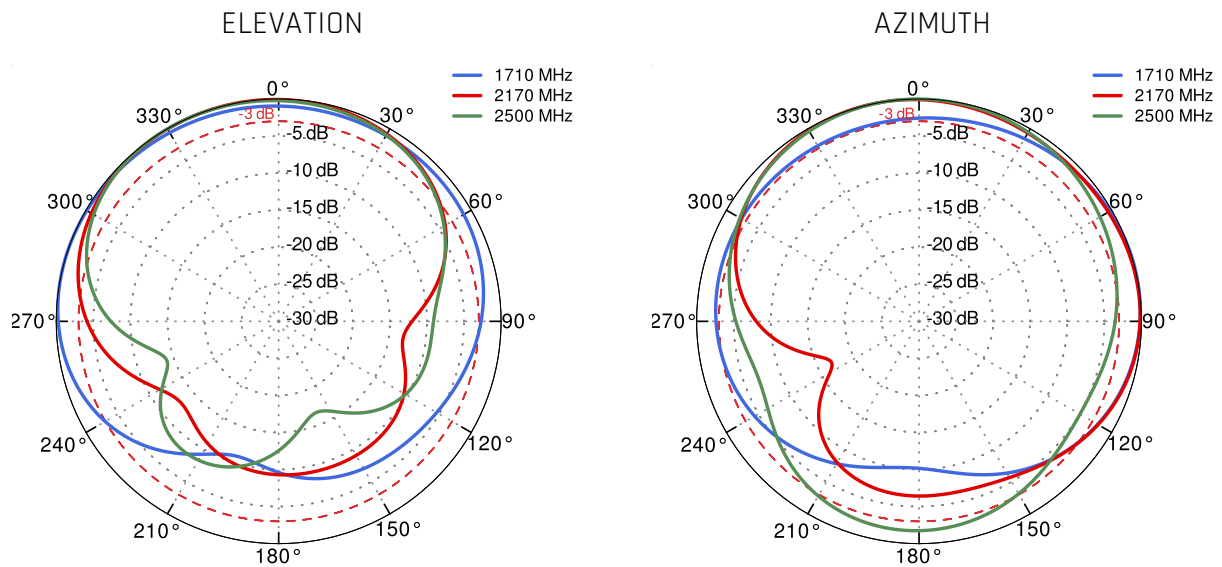
WiFi - V GAIN



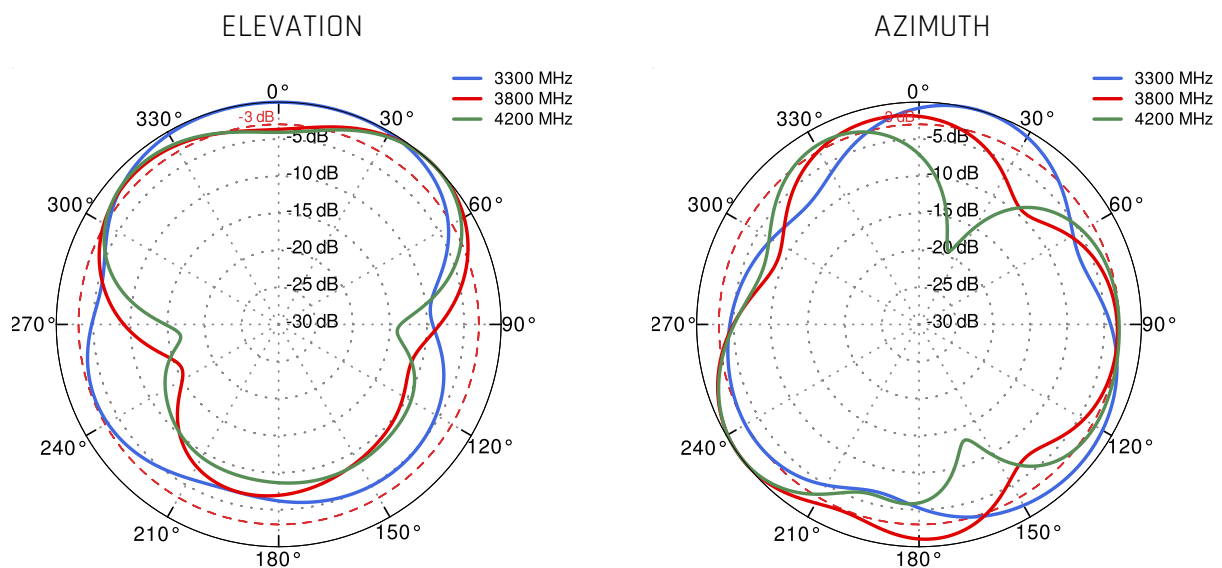
5G/LTE from 617MHz to 960MHz



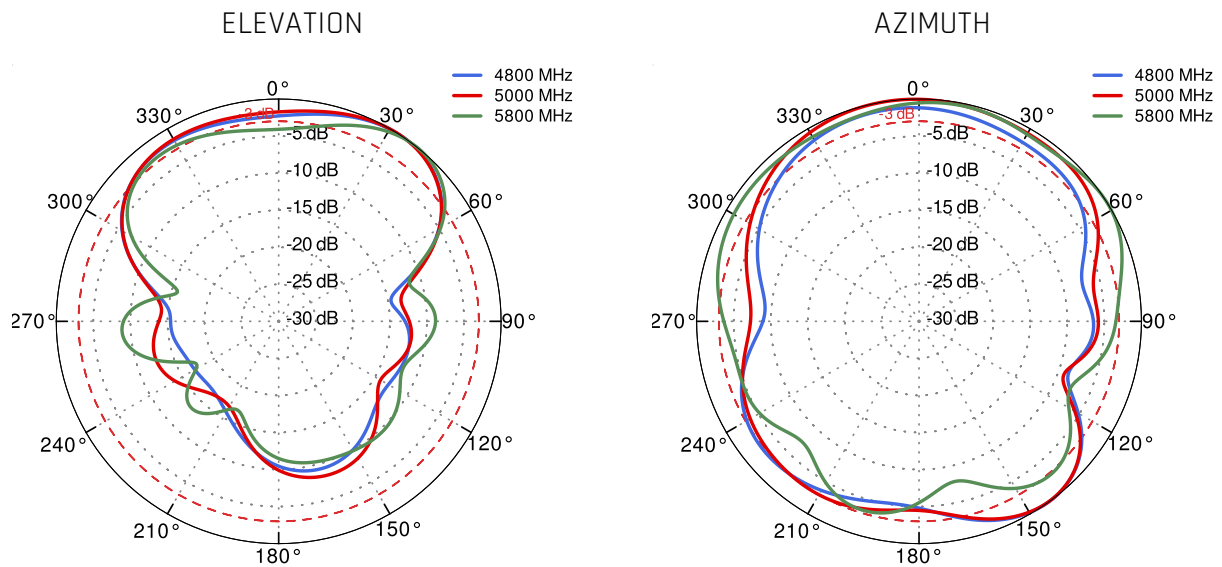
5G/LTE from 1.71GHz to 2.7GHz



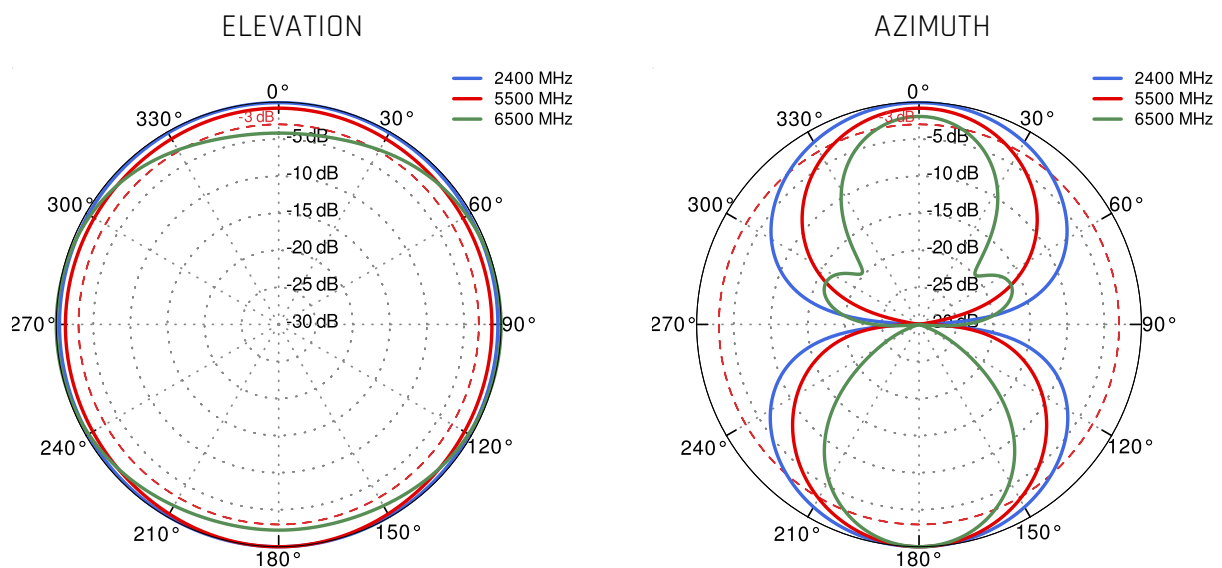
5G/LTE from 3.3GHz to 4.2GHz



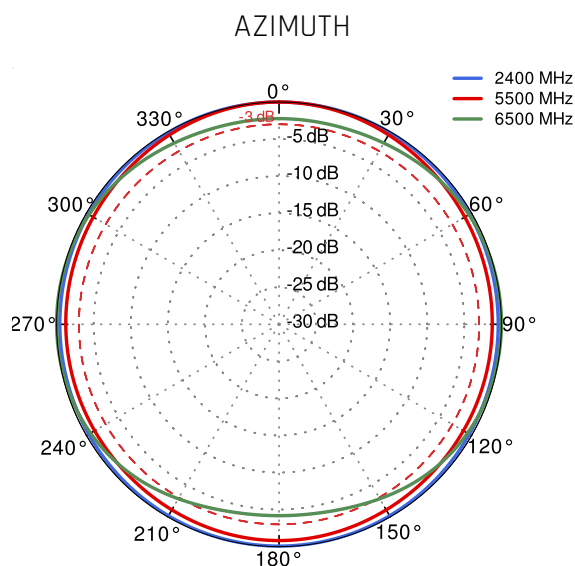
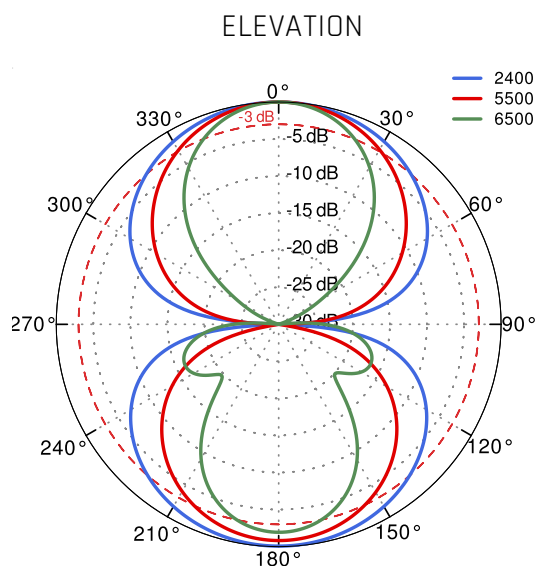
5G/LTE from 4.8GHz to 5.8GHz



Wi-Fi 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

