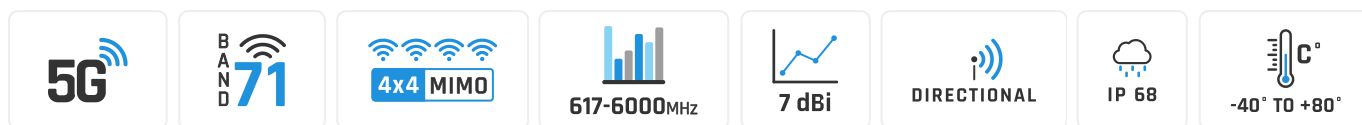


QuPanel 5G/LTE Global MIMO 4x4

Directional ultra wideband 5G/LTE MIMO 4x4 antenna

QuPanel **5G**/LTE directional MIMO 4x4 is ultra wideband 5G outdoor antenna. It's primary designed for LTE/5G/3G/2G devices which require high efficiency connections. The antenna covers many LTE bands including the new Extended LTE **Band 71** and frequencies: **600 - 6000MHz**. The mounting bracket allows the antenna to be installed on the pole or on the wall, as the client antenna to receive Internet by LTE/5G/3G/2G. It's ideal solution to use with all industrial and domestic 4x4 5G modems and routers like: Teltonika, Digi, Mikrotik, Robustel, Cisco, etc.



WIDE BAND 600-6000MHZ, 5G TECHNOLOGY



FIBREGLASS, WALL OR POLE MOUNTING BRACKET



FOUR SMA CONNECTORS



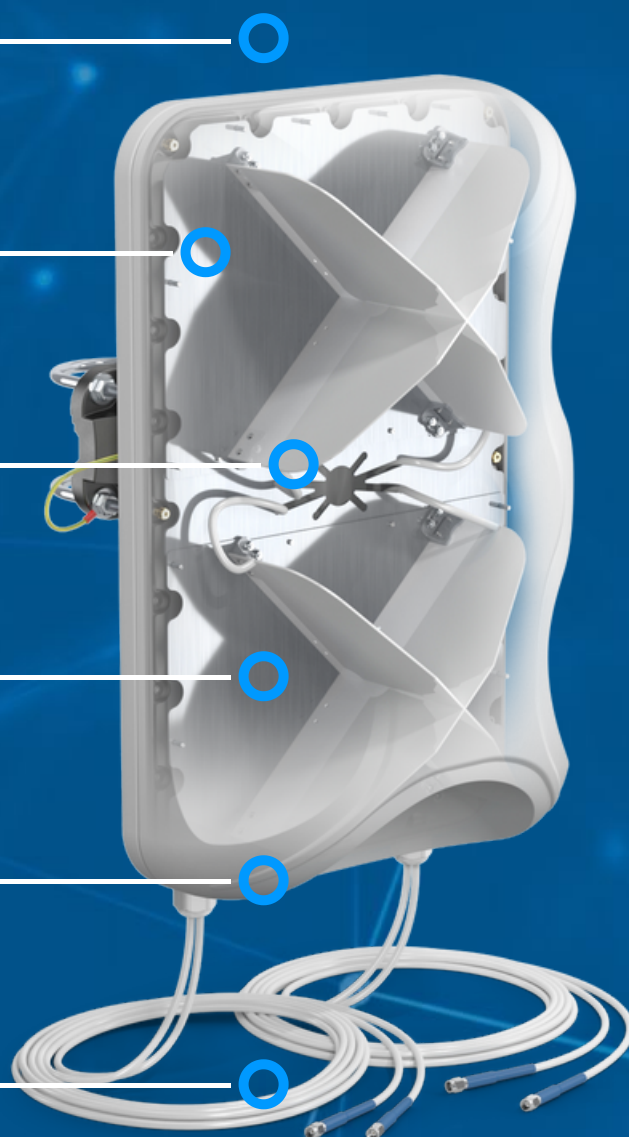
80° BEAMWIDTH



7DBI GAIN



MADE IN EUROPE



5G / LTE ANTENNA SPECIFICATION

| | |
|---------------------|--|
| FREQUENCY | 617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz |
| 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 |
| 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 |
| VSWR | <2.00, max <3.00 |
| BEAMWIDTH | 80°/80° ±15° |
| POLARIZATION | X (±45degrees) |
| IMPEDANCE | 50 Ω |

MECHANICAL SPECIFICATION

| | |
|-----------------------|---|
| MATERIALS | ABS, aluminum, PTFE, fiberglass |
| CONNECTOR TYPE | SMA |
| INGRESS PROTECTION | IP68 |
| DIMENSIONS | 486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch |
| WEIGHT | 2.8 kg 6.17 lbs |
| OPERATING TEMPERATURE | From -40°C to 80°C From -40°F to 176°F |
| MAST DIAMETER | 25-60mm 0.98-2.36 inch |

FREQUENCY BANDS

| | | | | | | | |
|----------|-----|----|----|----|----|----|----------|
| LTE / 4G | 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 | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 617 MHz | | | | | | | 6000 MHz |

5G

617
MHz

6000
MHz

| | | | | | | |
|-----|-----|------|------|------|-----|-----|
| 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 | | |

COMPATIBLE ROUTERS

VARIANTS: AP5G4-G, AP5G4-G1

TELTONIKA

RUTC50, RUTM51, RUTM54, RUTX12, RUTX14, RUTX50, TRB500

ROBUSTEL

EG5120, EG5200, R2000, R5010, R5020, R5020 Lite

COMSET

CM550W, CM580W, CM685VX, CM770W-6, CM950W

DIGI

EX50, IX40, TX54 LTE-Advanced, TX64

ERICSSON (CRADLEPOINT)

E300, E3000, IBR1700, R1900, R980, W1850, W4005

FORTINET

FEX-311F, FEX-311F

FOUR-FAITH

5G Industrial CPE F-NR200, 5G Industrial Router F-NR100, 5G SIM WiFi Router F-NR120, 5G Smart Light Pole Gateway F-G300, 5G WiFi Router with SIM Card Slot F-NR130, Smart Light Pole Gateway F-G310

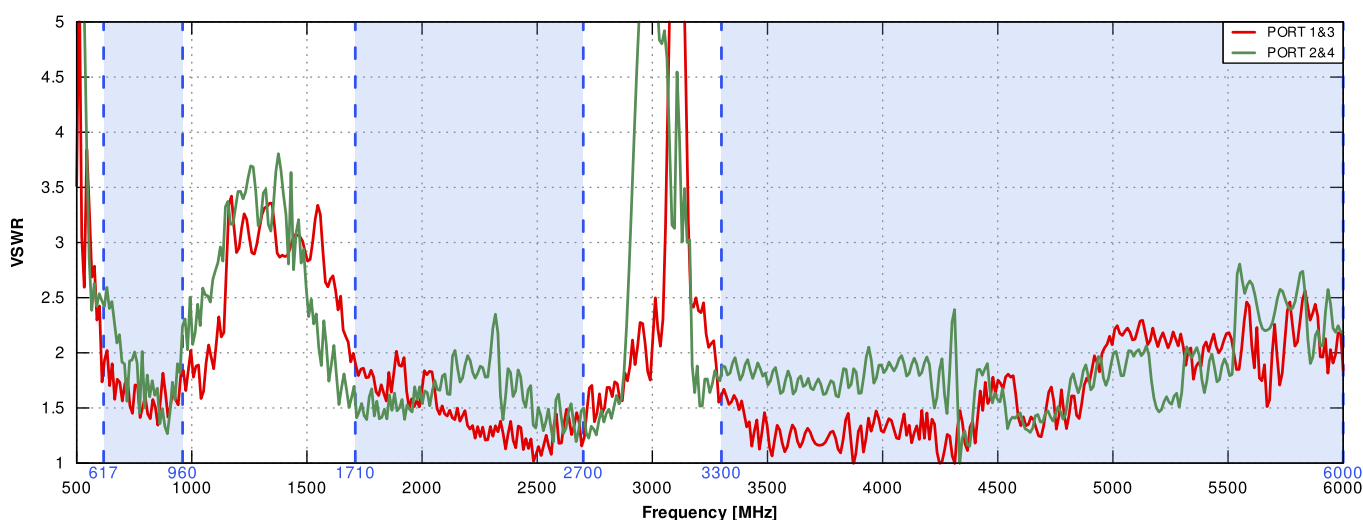
MILESIGHT

UF31, UR75

| | |
|---------------------------|---|
| PEPLINK | Balance 310 5G, Balance 310 fiber 5G, BR1 Mini 5G, BR1 Pro (CAT-20), BR1 Pro CAT-20, BR2 PRO, MAX BR1 Pro 5G, MAX HD2, MAX HD2 Mini, MAX Transit, MAX Transit Duo Pro, UBR Plus |
| PROROUTE | H685 WRT M2M 5G Router, H900 5G Router |
| ROBUSTEL | EG5120, EG5200, R2000, R5010, R5020, R5020 Lite |
| SEMTECH (SIERRA WIRELESS) | AirLink MG90 5G, XR60 |
| SIEMENS | 6GK5853-2EA00-2DA1 |
| TELTONIKA | RUTC50, RUTM51, RUTM54, RUTX12, RUTX14, RUTX50, TRB500 |
| WAVETEL | W4600-NR 5G, W4A00 5G, WNR320 5G, WNR340 5G |
| WLINK | G230, G530, G530 |
| ZYXEL | Nebula FWA510 |
| OTHER | 4 * SMA |

PLOTS

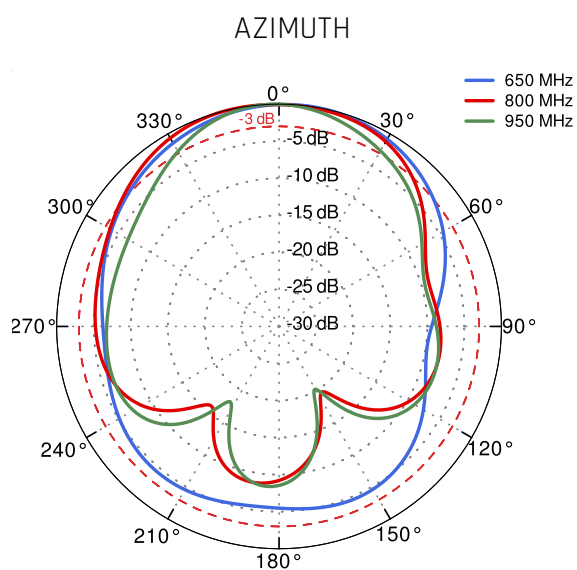
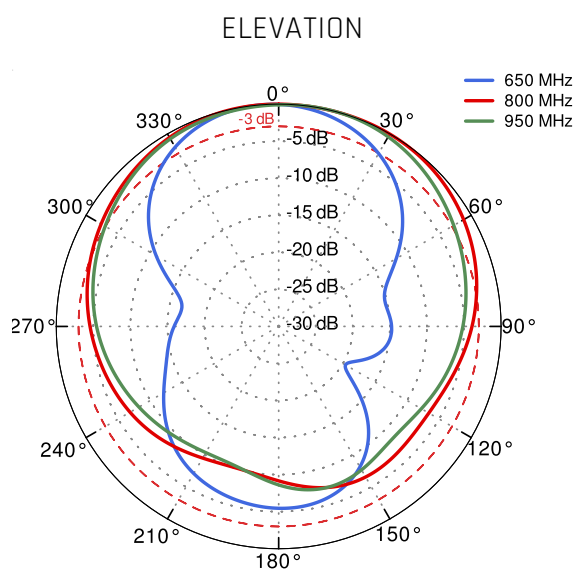
VSWR



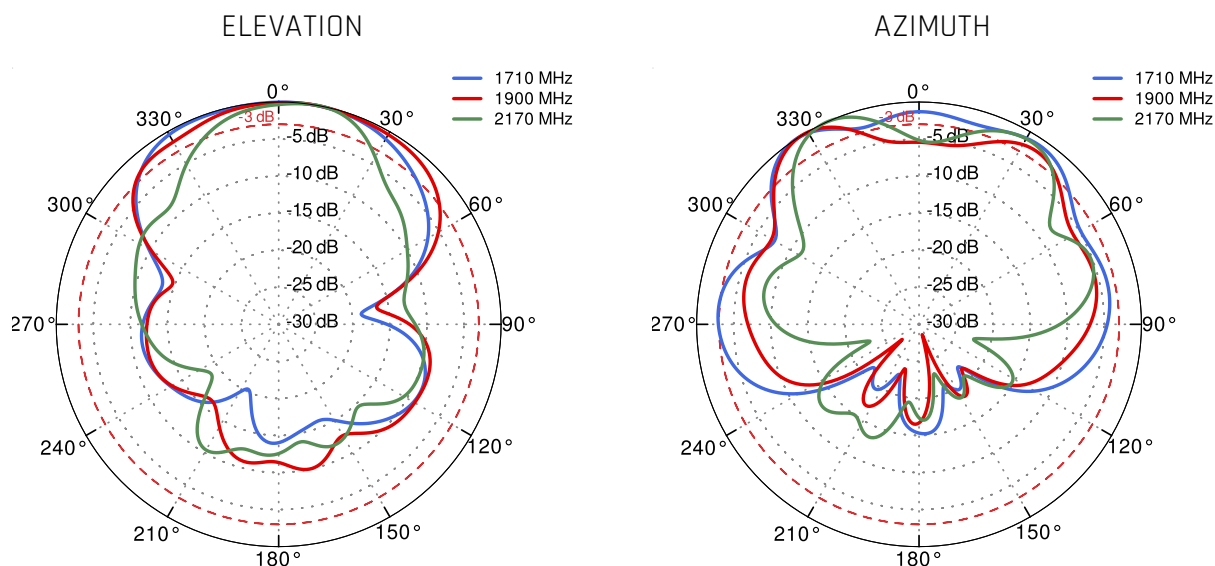
Gain



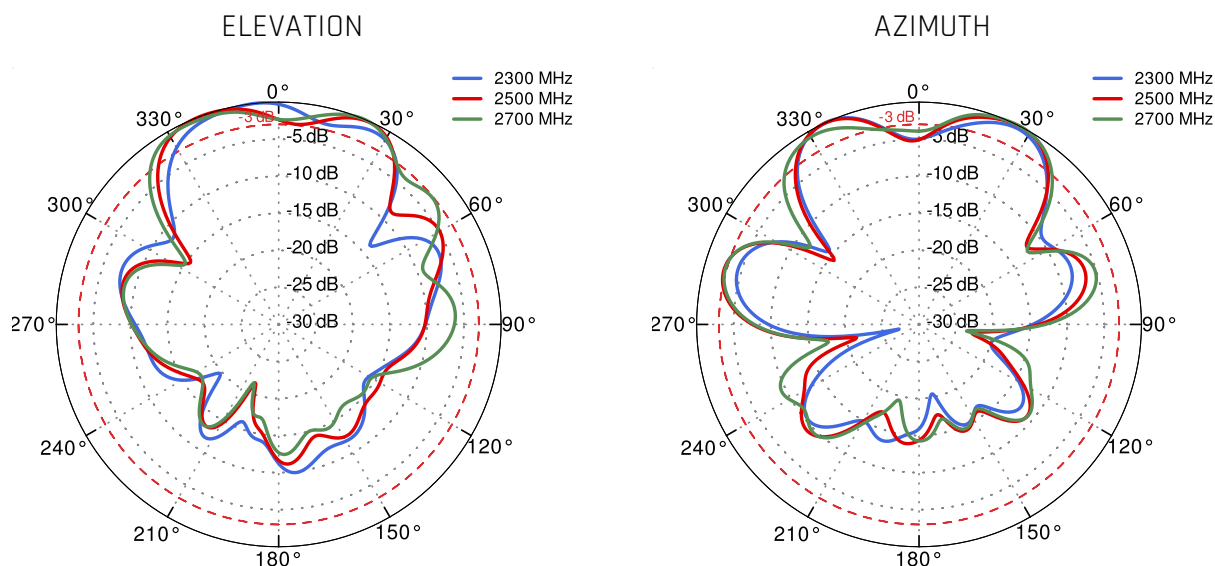
PORT 1 - 5G/LTE from 650MHz to 950MHz



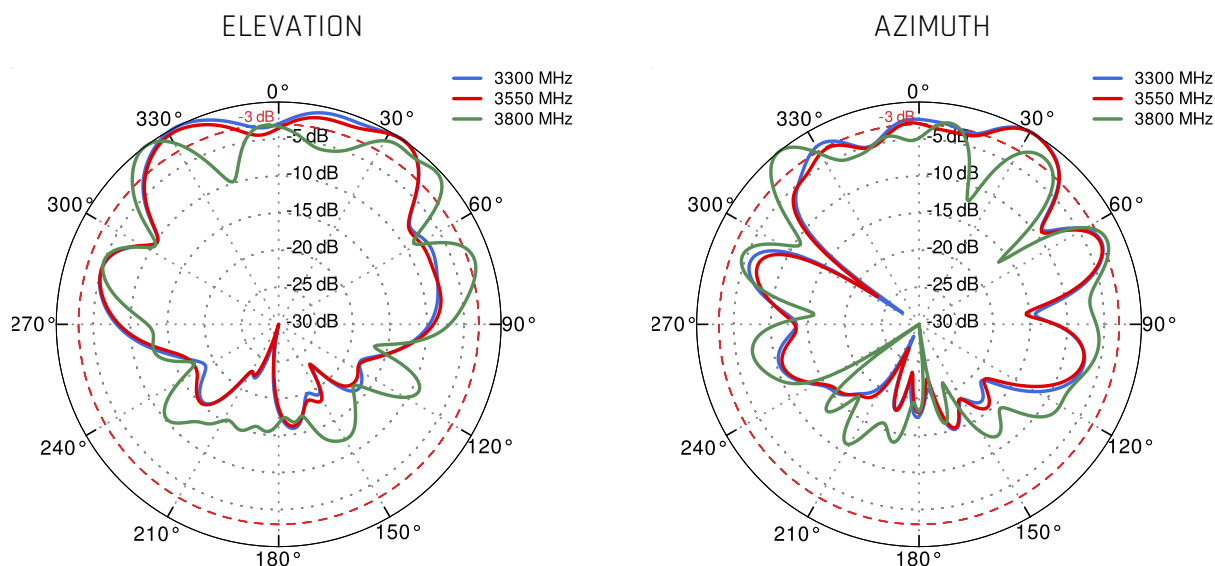
PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz



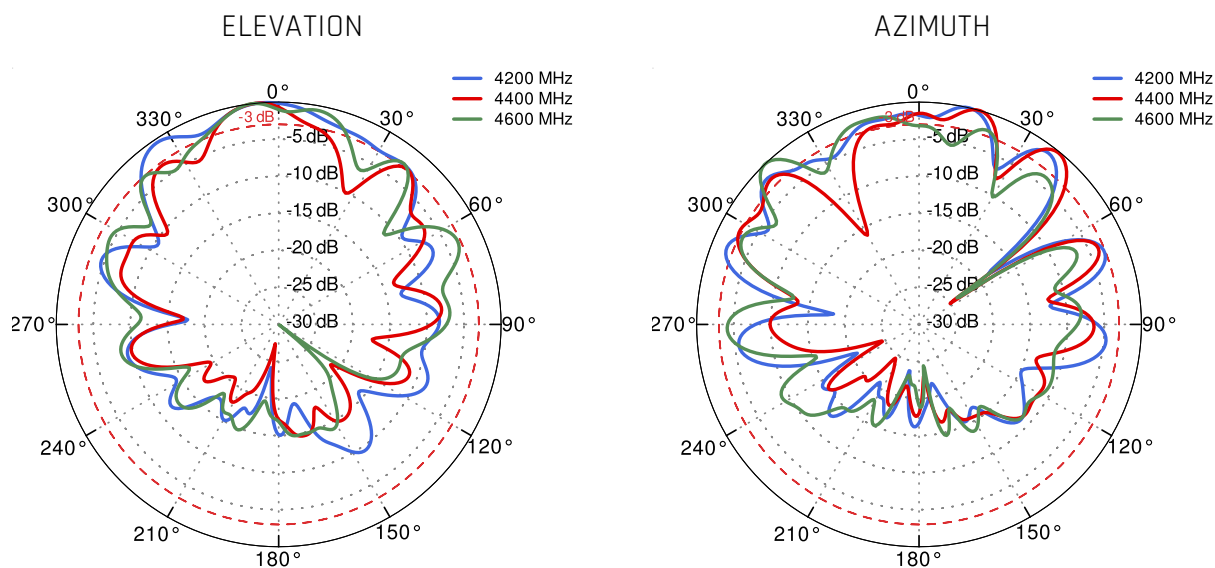
PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz



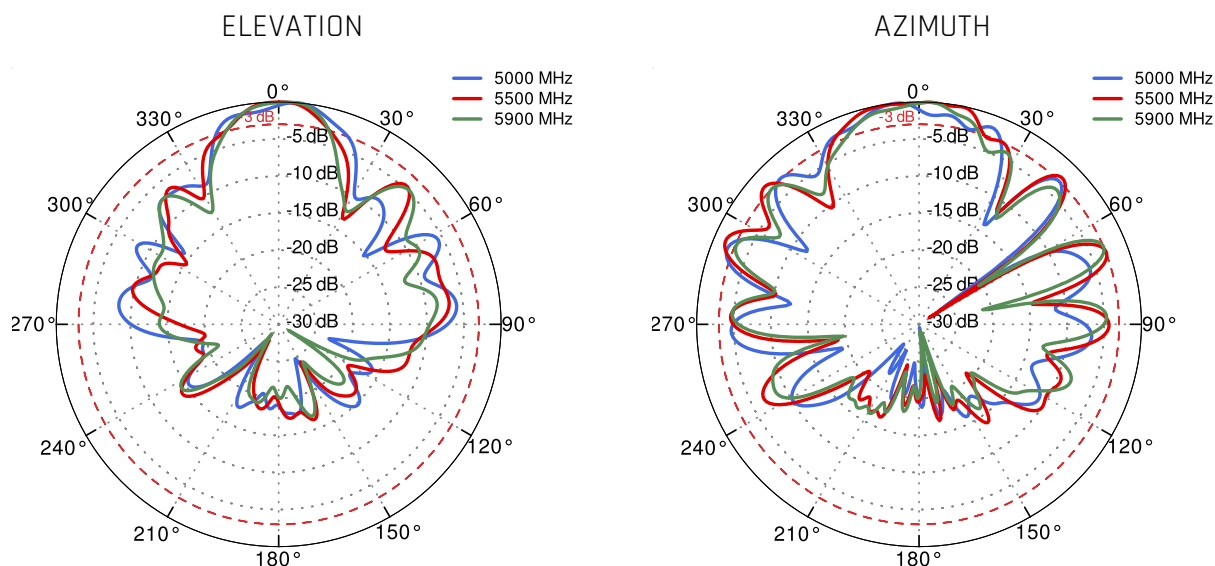
PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz



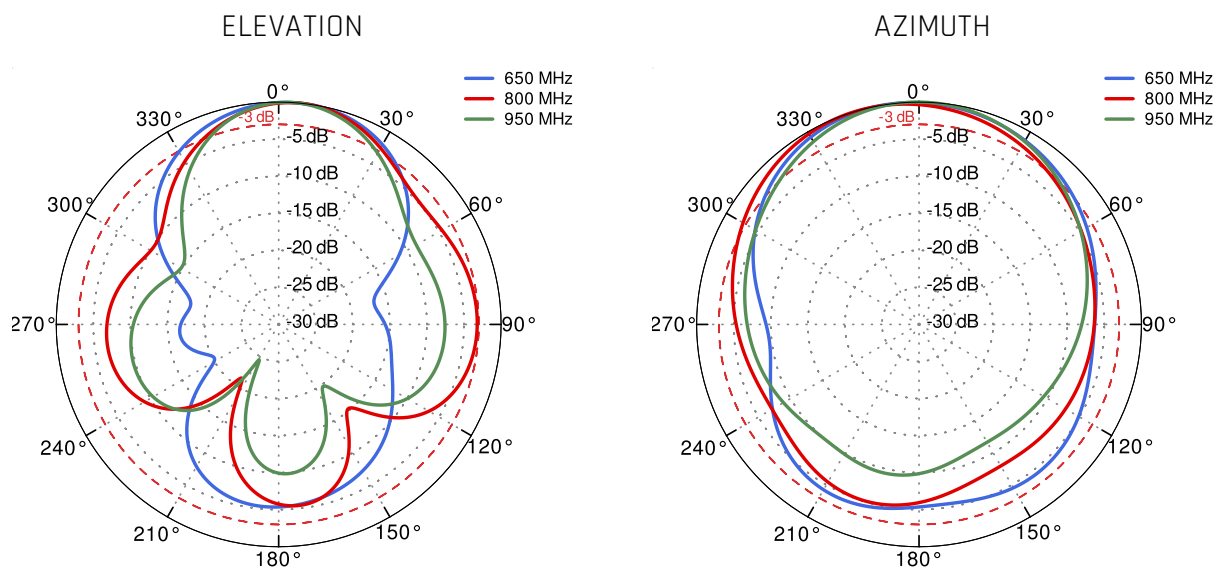
PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz



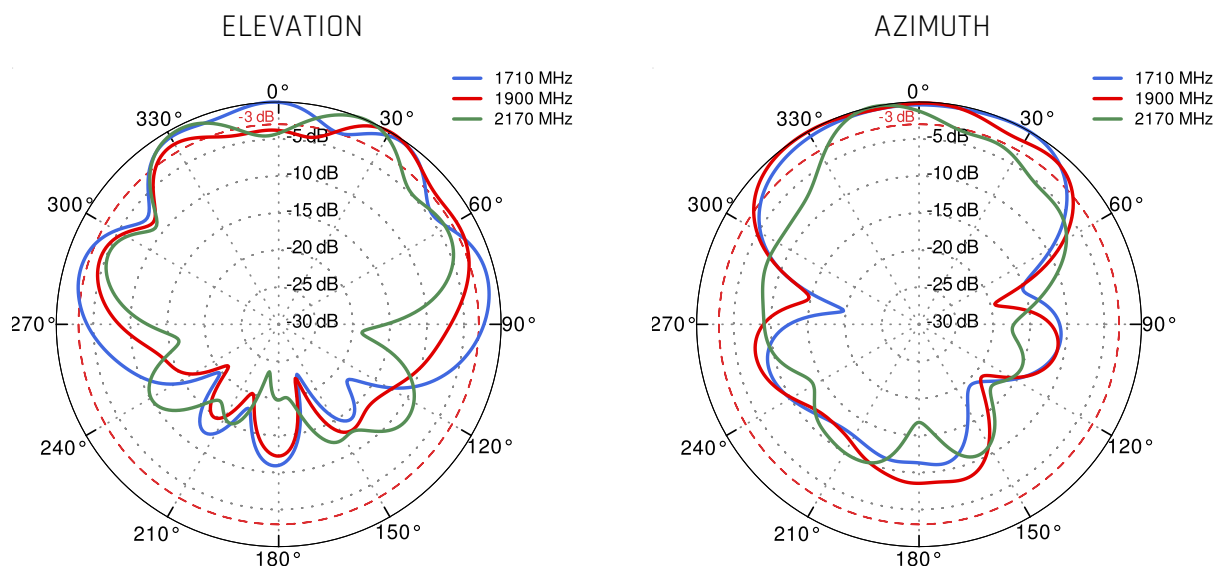
PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz



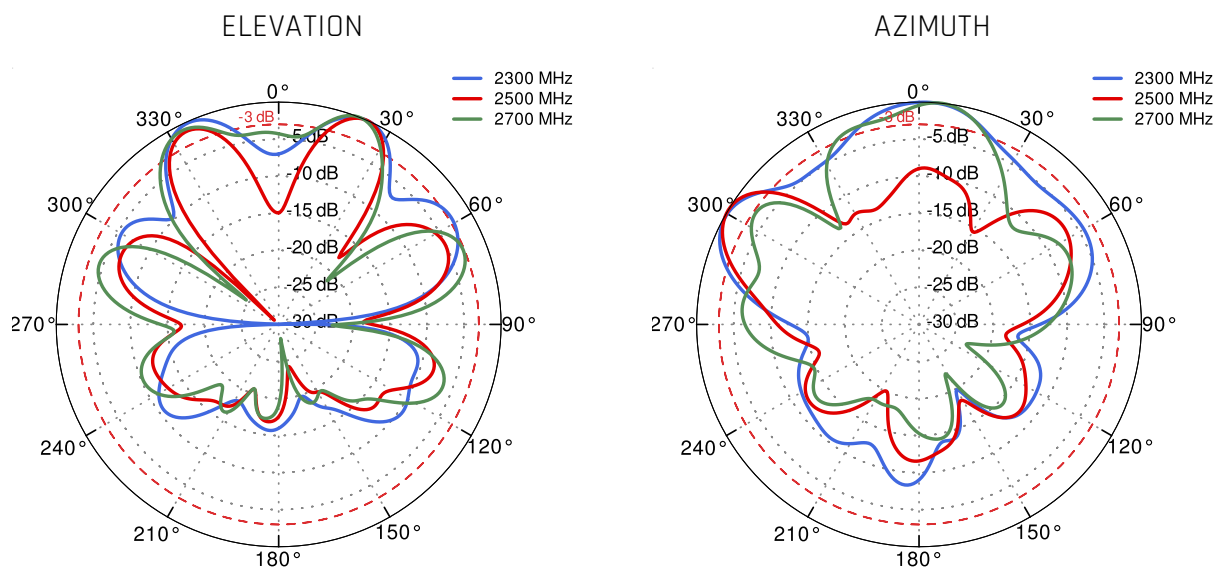
PORT 2 - 5G/LTE from 650MHz to 950MHz



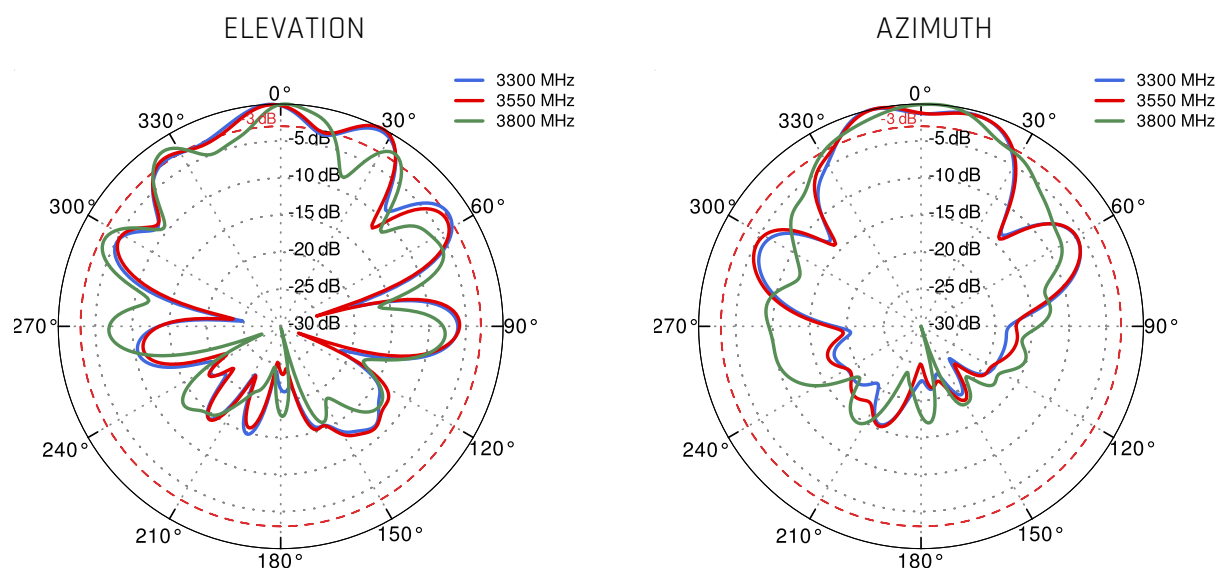
PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz



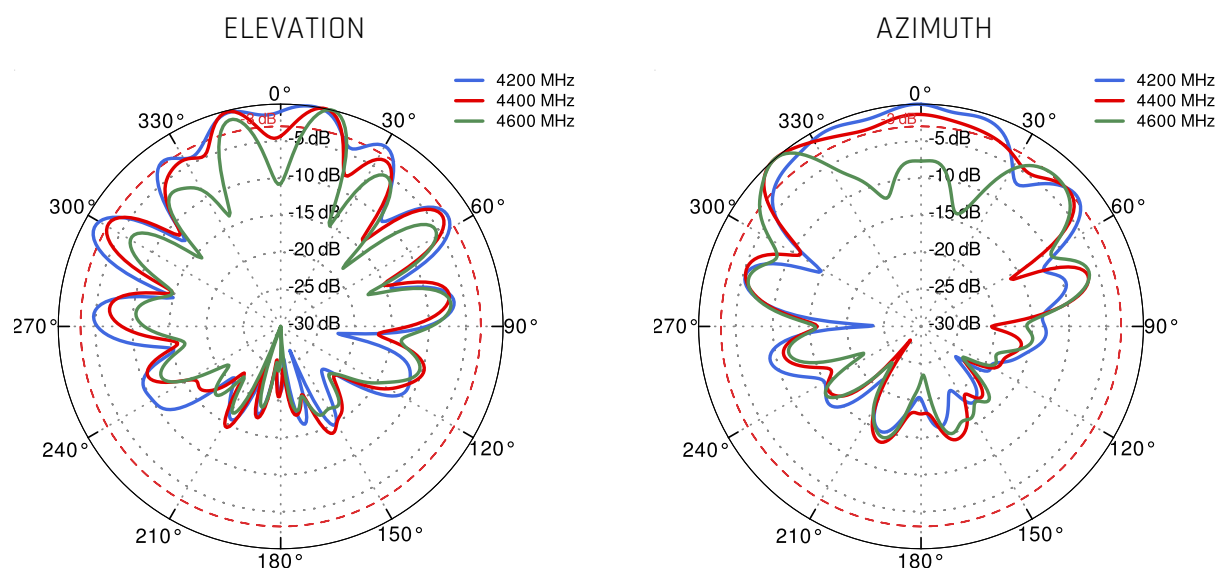
PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz



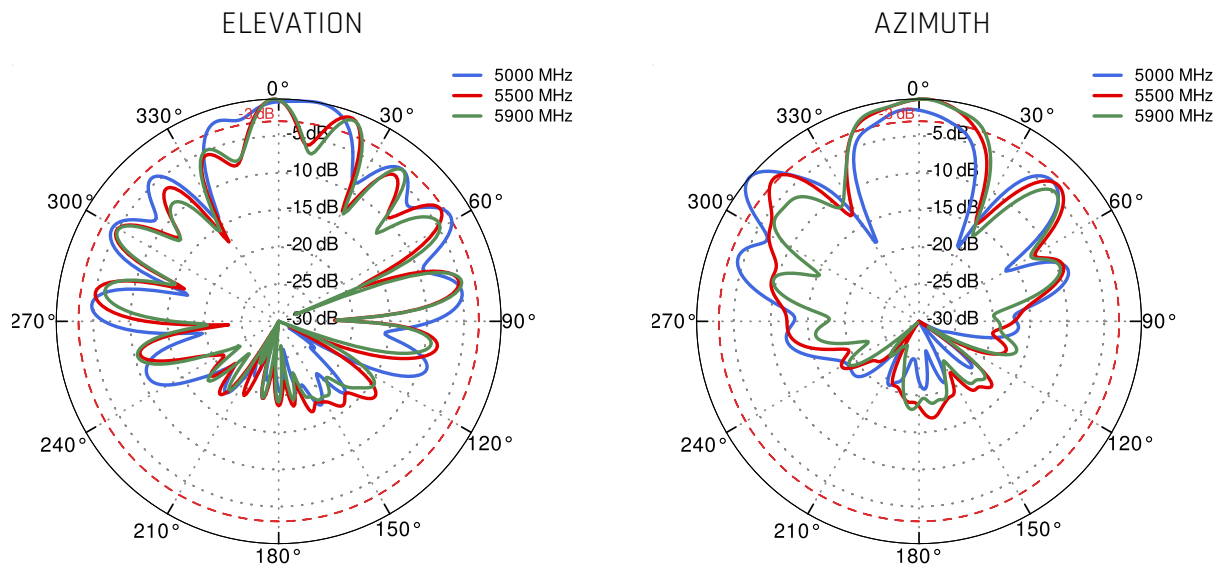
PORT 2 - 5G/LTE from 3.3GHz to 3.8GHz



PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz



PORT 2 - 5G/LTE from 5.0GHz to 5.9GHz



DIMENSIONS

