# QuOmni 5G/LTE Global MIMO 2x2

## Omnidirectional ultra wideband 5G/LTE MIMO 2x2 antenna

QuOmni 5G/LTE omnidirectional MIMO 2x2 is ultra wideband LTE 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, frequencies: **617 - 6000MHz**. The mounting bracket allows the antenna to be installed on the buildings (on the pole or on the wall) as the client antenna or on the moving points like trains, buses, lorries, yachts, boats to receive Internet by LTE/5G/3G/2G. It's ideal solution to use with all industrial and domestic 2x2 LTE modems and routers like: Teltonika, DIGI, Mikrotik, Robustel, Cisco, etc.

5G | BAND 71 | 2x2 MIMO | 617-6000MHz | 4 dBi | OMNI DIRECTIONAL | IP 67 | -40° TO +80°

- WIDE BAND 600-6000MHZ, 5G TECHNOLOGY
- GALVANIZED STEEL, WALL OR POLE MOUNTING BRACKET
- TWO SMA CONNECTORS
- 360° BEAMWIDTH
- 4.5DBI GAIN
- MADE IN **EUROPE**

# 5G / LTE ANTENNA SPECIFICATION

| | |
|---|---|
| FREQUENCY | 617 - 960 MHz<br>1.7 - 2.7 GHz<br>3.3 - 4.7 GHz<br>5.2 - 6.0 GHz |
| GAIN | 617 - 960 MHz : 3 dBi<br>1.7 - 2.7 GHz : 4 dBi<br>3.3 - 4.7 GHz : 4.5 dBi<br>5.2 - 6.0 GHz : 2.5dBi |
| 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, 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 | <1.80, max <2.00 |
| BEAMWIDTH | 360°/35° ±5° |
| POLARIZATION | Vertical |
| IMPEDANCE | 50 Ω |


Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

# MECHANICAL SPECIFICATION

| | |
|---|---|
| MATERIALS | ABS, aluminum, PTFE |
| CONNECTOR TYPE | SMA |
| INGRESS PROTECTION | IP67 |
| DIMENSIONS | 160 x 160 x 240 mm<br>6.3 x 6.3 x 9.45 inch |
| WEIGHT | 1.5 kg<br>3.31 lbs |
| OPERATING TEMPERATURE | From -40°C to 80°C<br>From -40°F to 176°F |
| MAST DIAMETER | 40-60 mm<br>1.57-2.36 inch |

# FREQUENCY BANDS

**LTE / 4G**

617 MHz

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

6000 MHz


Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

| | | |
|---|---|---|
| 5G | 617 MHz | 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 |

| | 6000 MHz |
|---|---|

# COMPATIBLE ROUTERS

## VARIANTS: A05G2-G, A05G2-G1

| | |
|---|---|
| TELTONIKA | RUT200, RUT230, RUT240, RUT241, RUT260, RUT900, RUT901, RUT950, RUT951, RUT955, RUT956, RUTX09, RUTX11 |
| DIGI | 6310-DX, 6330-MX, EX12, EX15, IX10, IX15, IX20, IX30, WR31 |
| ROBUSTEL | EG5100, LG5100, R1500, R1510, R1511P, R151x, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R2110, R3000, R3000 Industrial, R3000 LG, R3000 Lite, R3000 Quad, R3010 |
| ACKSYS | AirBox LTE, AirWan |
| ANYBUS | Wireless Router WLAN |
| COMSET | CM210A-W, CM210Q-W, CM510Q-W, CM685T-W, CM685V-1, CM685V-4, CM685V-6, CM685V-6-G, CM820Q-4, CM820Q-6, CM820T-W, CM820V-4, CM820V-W |
| CRADLEPOINT | CBA550, E100, E102, IBR200, IBR600C, IBR900, L950, R500, R920, S700 |


Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

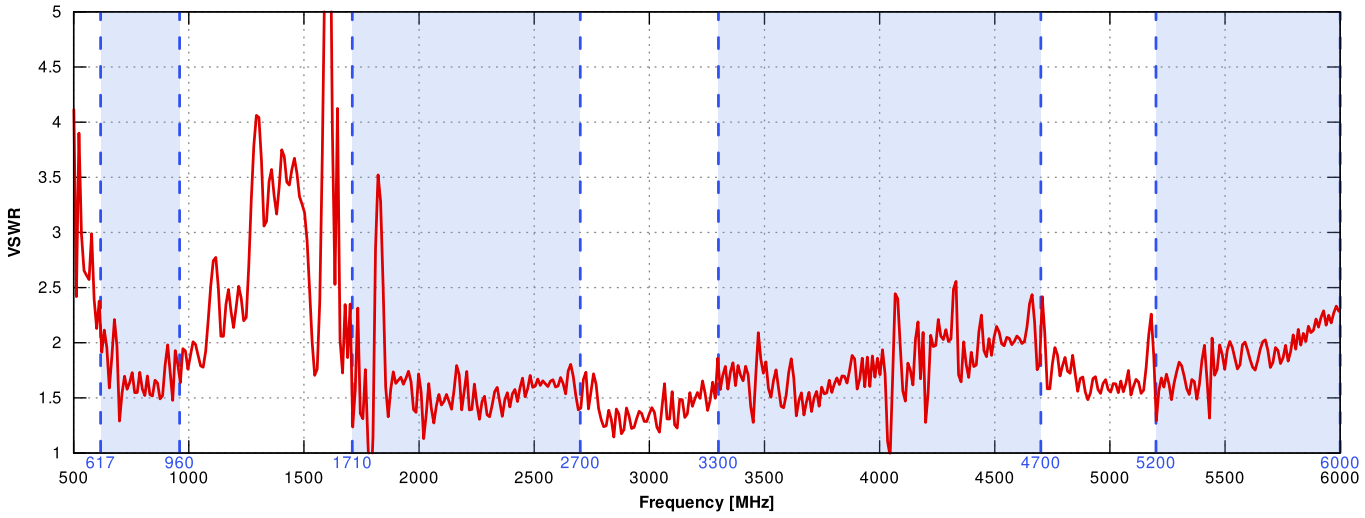
| | |
|---|---|
| **D-LINK** | DWR-960, G415 AX1500, G416 AX1500, N300 4G |
| **DIGI** | 6310-DX, 6330-MX, EX12, EX15, IX10, IX15, IX20, IX30, WR31 |
| **FORTINET** | FEX-101F, FEX-201F, FEX-211E, FEX-212F, FortiGate Rugged 60F-3G4G, FortiGate Rugged 70F-3G4G |
| **FOUR-FAITH** | 4G Cellular Router F-R100, 4G Industrial Computer F4931-R2H, 4G Industrial Computer F4932-R2H-DF1, Android Industrial Computer F4932-R1Q, Cellular Wireless Router F-R200, Dual Sim 4G Router F3X46, Dual-sim WiFi Router F3946, Edge Computing Gateway F-G100, Industrial WiFi Router F3X36Q, LAN Port Router F3X26 V2, LTE Industrial Router F3X27 V2, LTE Wireless Router F3x36 |
| **MIKROTIK** | RB912, RB922, RBM11G, RBM33G |
| **MILESIGHT** | UR32 |
| **OPTION** | CloudGate LTE WW CAT4 |
| **PEPLINK** | Balance 20X, Balance 310 5G, MAX BR1 Classic, MAX BR1 ENT, MAX BR1 IP55, MAX BR1 M2M, MAX BR1 Mini, MAX BR1 Mini (HW3), MAX BR1 Mini Core (HW3), MAX BR1 Mini M2M, MAX BR1 MK2, MAX BR1 Pro, MAX BR1 Slim |
| **PROROUTE** | H685 4G Router, H685 LTE 4G CAT6 Router, H820 M2M 4G Router |
| **ROBUSTEL** | EG5100, LG5100, R1500, R1510, R1511P, R151x, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R2110, R3000, R3000 Industrial, R3000 LG, R3000 Lite, R3000 Quad, R3010 |
| **SIEMENS** | 6GK5876-4AA00-2BA2, 6GK5876-4AA00-2DA2, 6GK5876-4AA10-2BA2 |
| **SIERRA WIRELESS** | AirLink LX40, AirLink LX60, AirLink MP70, AirLink RV50X, AirLink RV55, AirLink RX55 |
| **TELTONIKA** | RUT200, RUT230, RUT240, RUT241, RUT260, RUT900, RUT901, RUT950, RUT951, RUT955, RUT956, RUTX09, RUTX11 |


Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

| | |
|---|---|
| WAVETEL | W2400 LTE , W3600 4G/LTE Dual WAN, W3604 Multi-WAN, W3608 Multi-WAN, W421, W4600, W4600-S2 |
| WLINK | ER120, G200, G510, G520, R210, R220, R520 |
| ZYXEL | LTE3202-M437, LTE3301-PLUS, LTE5388-M804, LTE5398-M904, NR5101 |
| OTHER | 2 * SMA, 3 * SMA |

# PLOTS

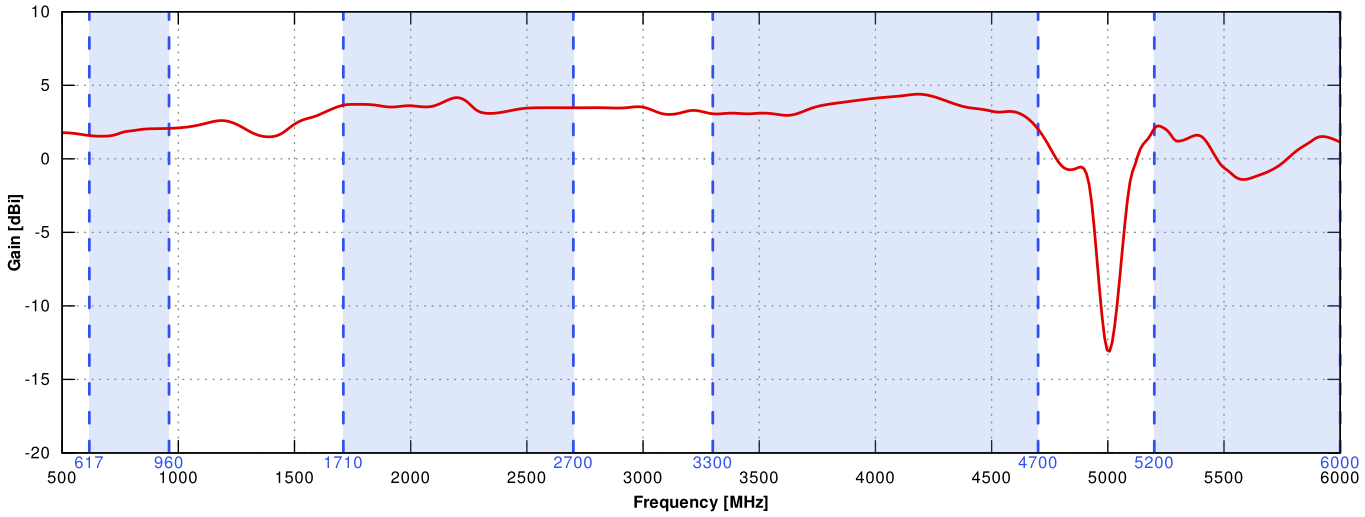
## VSWR





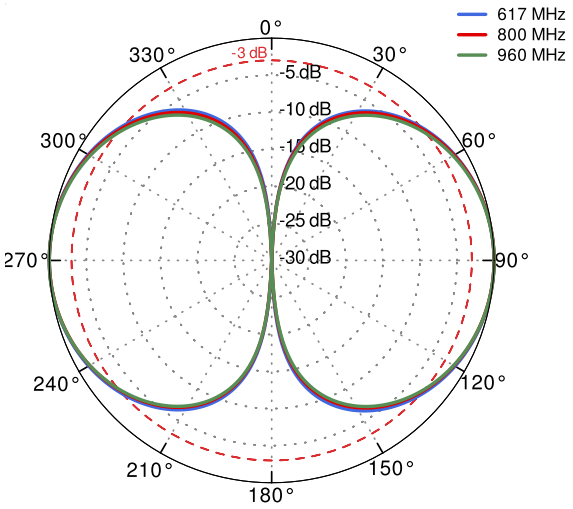
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

## Gain

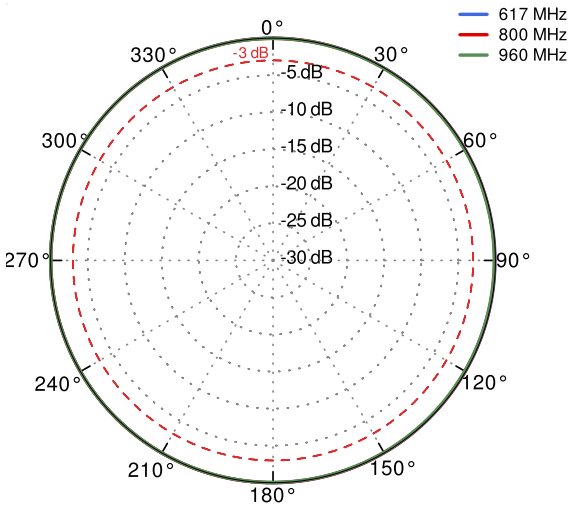



## From 617MHz to 960MHz

ELEVATION




AZIMUTH

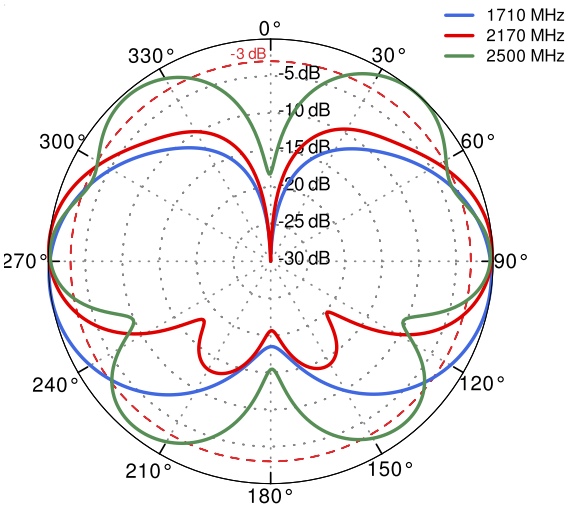




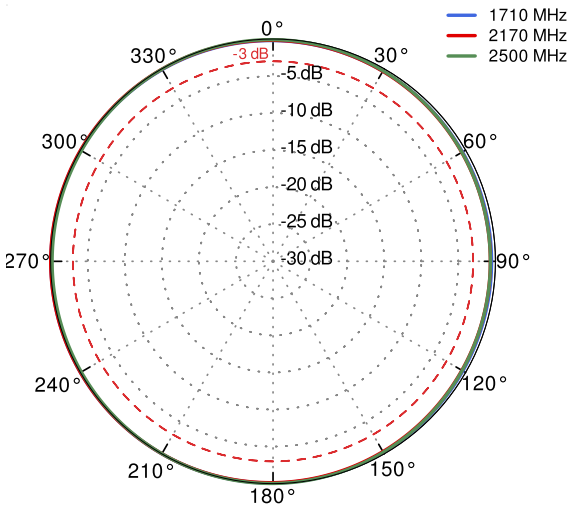

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

## From 1.71GHz to 2.5GHz

ELEVATION

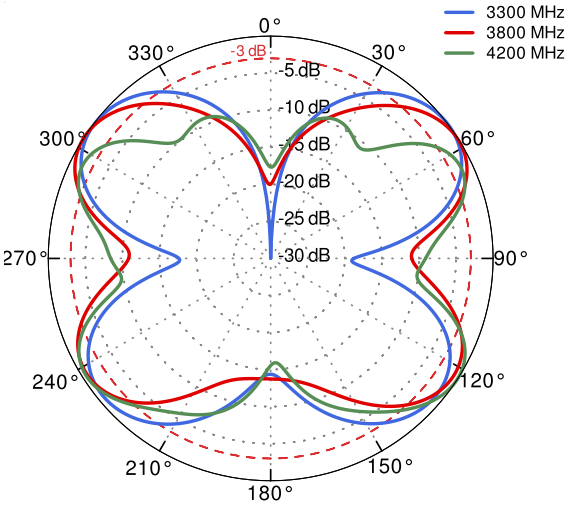



AZIMUTH

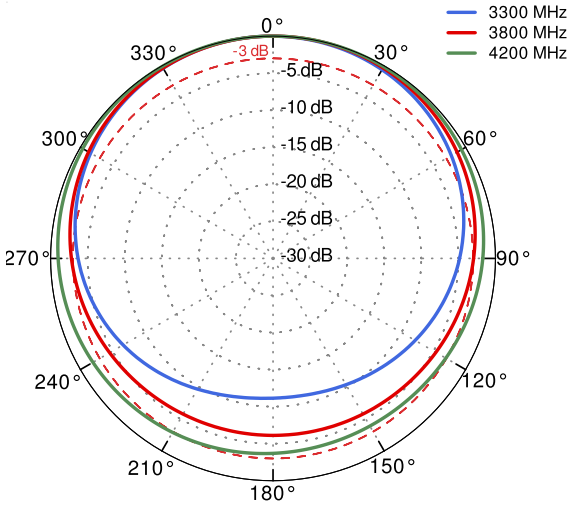



## From 3.3GHz to 4.2GHz

ELEVATION




AZIMUTH

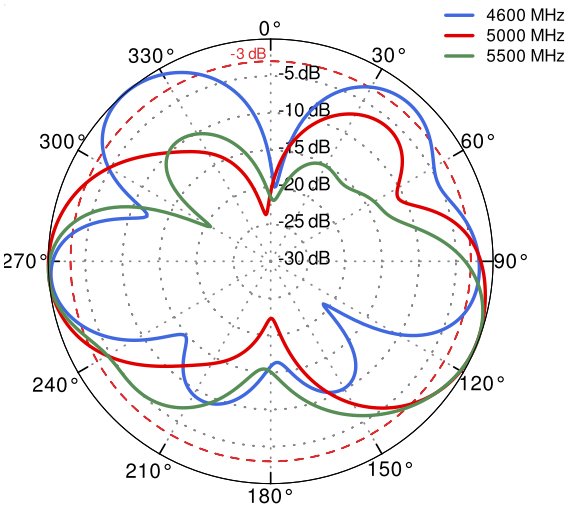




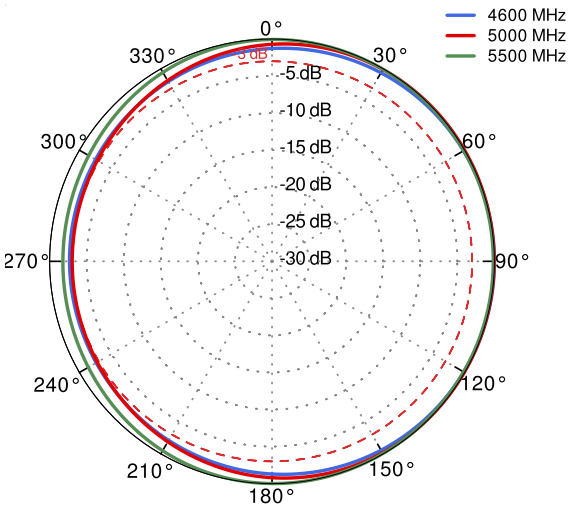
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

## From 4.6GHz to 5.5GHz

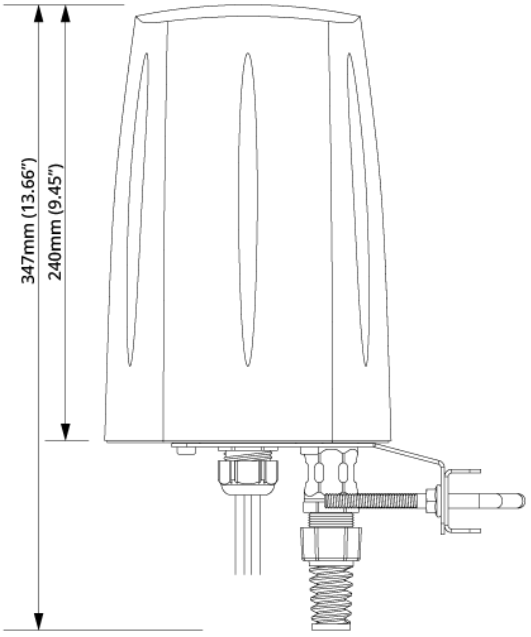
ELEVATION

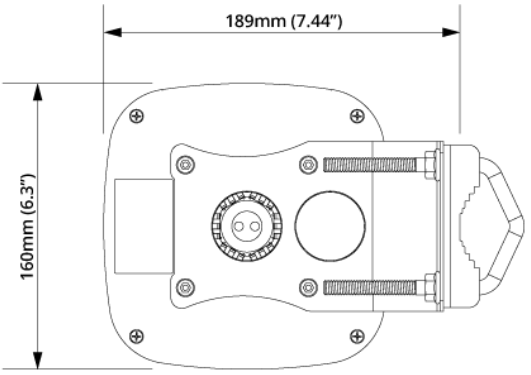



AZIMUTH




# DIMENSIONS




QuWireless
WWW.QUWIRELESS.COM
**Sales email:** sales@quwireless.com **Tel:** +48 513 900 416
**Support email:** support@quwireless.com **Website:** www.quwireless.com
**Address:** Wireless Instruments Sp. z o.o., ul. Kościuszki 27, 52-116 Iwiny, Poland

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.