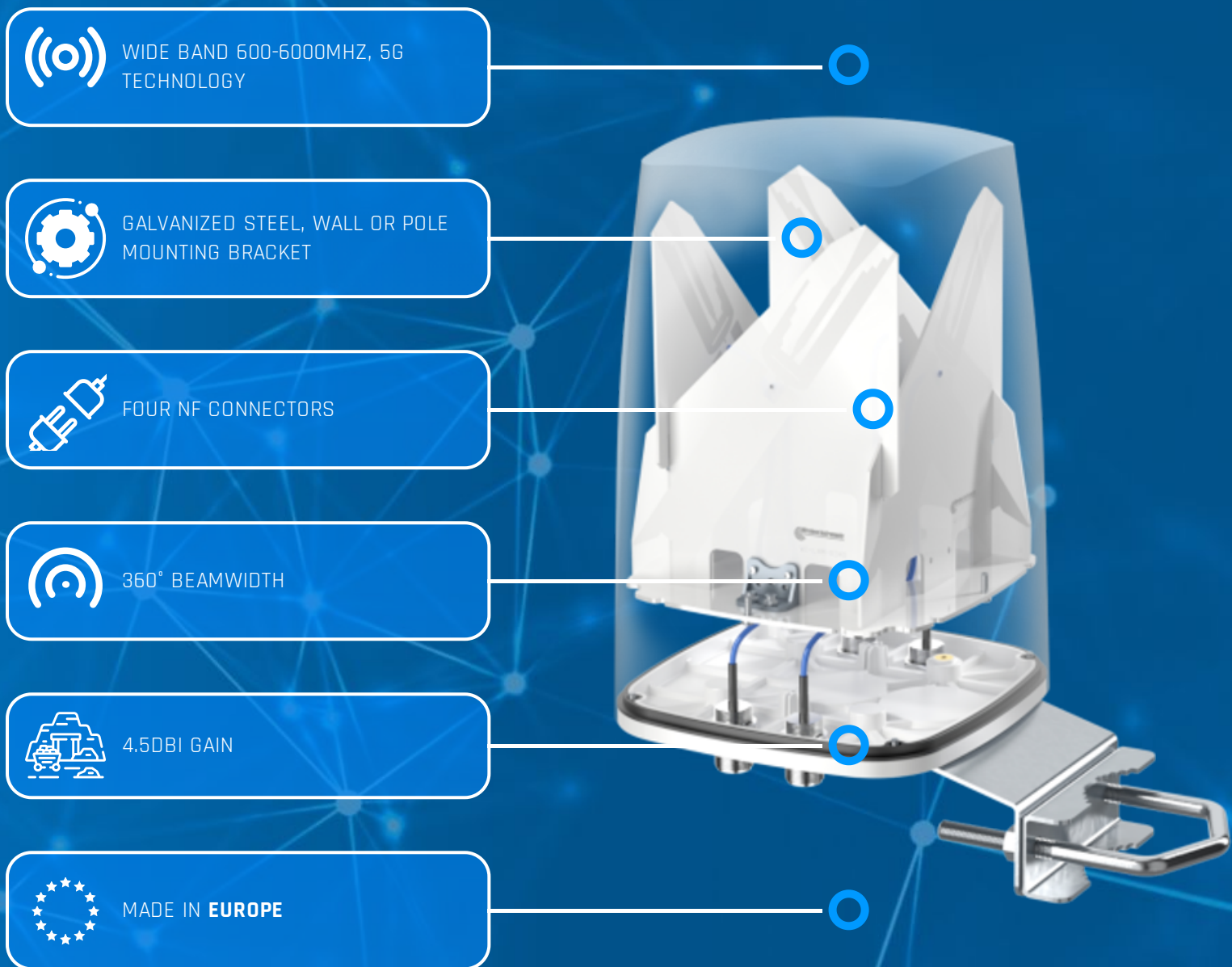
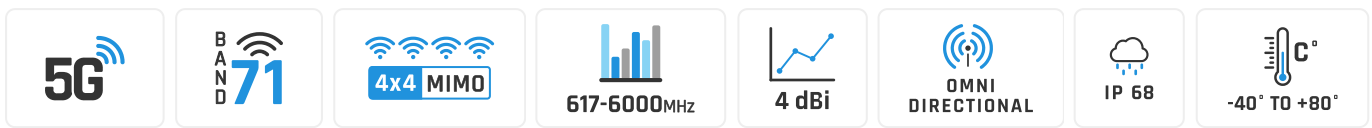


# QuOmni 5G/LTE Global MIMO 4x4 Nf

## Omnidirectional ultra wideband 5G/LTE MIMO 4x4 antenna

QuOmni 5G/LTE omnidirectional MIMO 4x4 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 4x4 LTE modems and routers like: Teltonika, DIGI, Mikrotik, Robustel, Cisco, etc.



## 5G / LTE ANTENNA SPECIFICATION

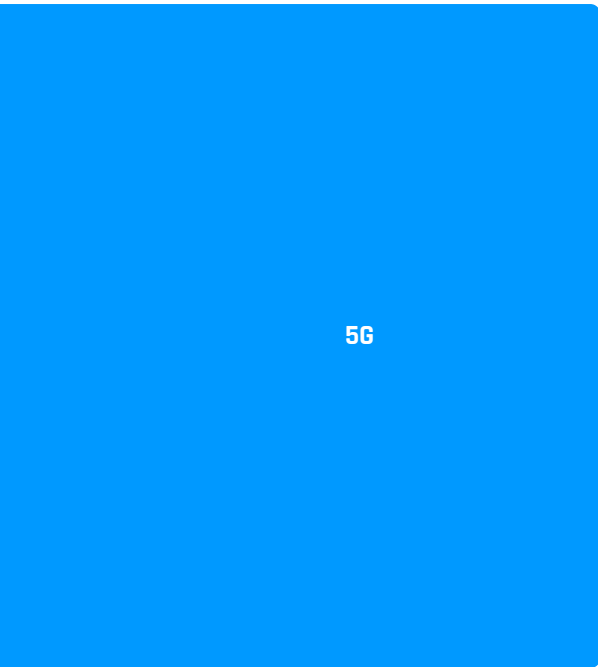
|                            |  |
|----------------------------|--|
| <b>FREQUENCY</b>           | 617 - 960 MHz<br>1.7 - 2.7 GHz<br>3.3 - 4.7 GHz<br>5.2 - 6.0 GHz   |
| <b>GAIN</b>                | 617 - 960 MHz : 3 dBi<br>1.7 - 2.2 GHz : 4 dBi<br>3.3 - 4.7 GHz : 4.5 dBi<br>5.2 - 6.0 GHz : 2.5dBi  |
| <b>SUPPORTED LTE BANDS</b> | 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                                 |
| <b>SUPPORTED 5G BANDS</b>  | 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 |
| <b>VSWR</b>                | <1.80, max <2.00   |
| <b>BEAMWIDTH</b>           | 360°/35° ±5°   |
| <b>POLARIZATION</b>        | Vertical   |
| <b>IMPEDANCE</b>           | 50 Ω   |

## MECHANICAL SPECIFICATION

|                              |   |
|------------------------------|---|
| <b>MATERIALS</b>             | ABS, aluminum, PTFE                         |
| <b>CONNECTOR TYPE</b>        | Nf  |
| <b>INGRESS PROTECTION</b>    | IP68  |
| <b>DIMENSIONS</b>            | 160 x 160 x 240 mm<br>6.3 x 6.3 x 9.45 inch |
| <b>WEIGHT</b>                | 1.5 kg<br>3.31 lbs                          |
| <b>OPERATING TEMPERATURE</b> | From -40°C to 80°C<br>From -40°F to 176°F   |
| <b>MAST DIAMETER</b>         | 25-66 mm<br>0.98-2.60 inch                  |

## FREQUENCY BANDS

|                 |    |    |    |    |    |     |     |            |             |
|-----------------|----|----|----|----|----|-----|-----|------------|-------------|
| <b>LTE / 4G</b> | 1  | 2  | 3  | 4  | 5  | 7   | 8   | 617<br>MHz | 6000<br>MHz |
|                 | 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 |            |             |



|         |      |      |      |     |     |     |     |          |
|---------|------|------|------|-----|-----|-----|-----|----------|
|         | n1   | n2   | n3   | n5  | n7  | n8  | n12 |          |
|         | n13  | n14  | n18  | n20 | n25 | n26 | n28 |          |
|         | n29  | n30  | n34  | n38 | n39 | n40 | n41 |          |
| 617 MHz | n47  | n48  | n53  | n65 | n66 | n67 | n71 | 6000 MHz |
|         | n77  | n78  | n80  | n81 | n82 | n83 | n84 |          |
|         | n85  | n86  | n89  | n90 | n95 | n97 | n98 |          |
|         | n100 | n101 | n256 |     |     |     |     |          |

## COMPATIBLE ROUTERS

VARIANT: A05G4-GN

|                               |  |
|-------------------------------|--|
| <b>TELTONIKA</b>              | RUTC42, RUTC50, RUTM30, RUTM31, RUTM51, RUTM54, RUTM55, RUTM56, RUTM59, RUTX12, RUTX14, RUTX50, TRB500, TRB501 |
| <b>ROBUSTEL</b>               | EG5120, EG5200, R2000, R5010, R5020, R5020 Lite  |
| <b>CISCO</b>                  | CG418-E, CG522-E, MG41E, MG51E, MG52E  |
| <b>COMSET</b>                 | CM550W, CM580W, CM685VX, CM770W-6, CM950W  |
| <b>CUDY</b>                   | P5   |
| <b>DIGI</b>                   | EX50, IX40, TX54 LTE-Advanced, TX64  |
| <b>EE 5G (5GEE)</b>           | Smart 5G Hub   |
| <b>ERICSSON (CRADLEPOINT)</b> | E300, E3000, IBR1700, R1900, R2400, R980, W1850, W2005, W4005  |
| <b>FIBOCOM</b>                | FM150-AE, FM150-NA, FM160-EAU, FM160-JK, FM160-NA, FM160-PN, FM190-GL, FM190W-GL, NL952-EAU, NL952-NA          |

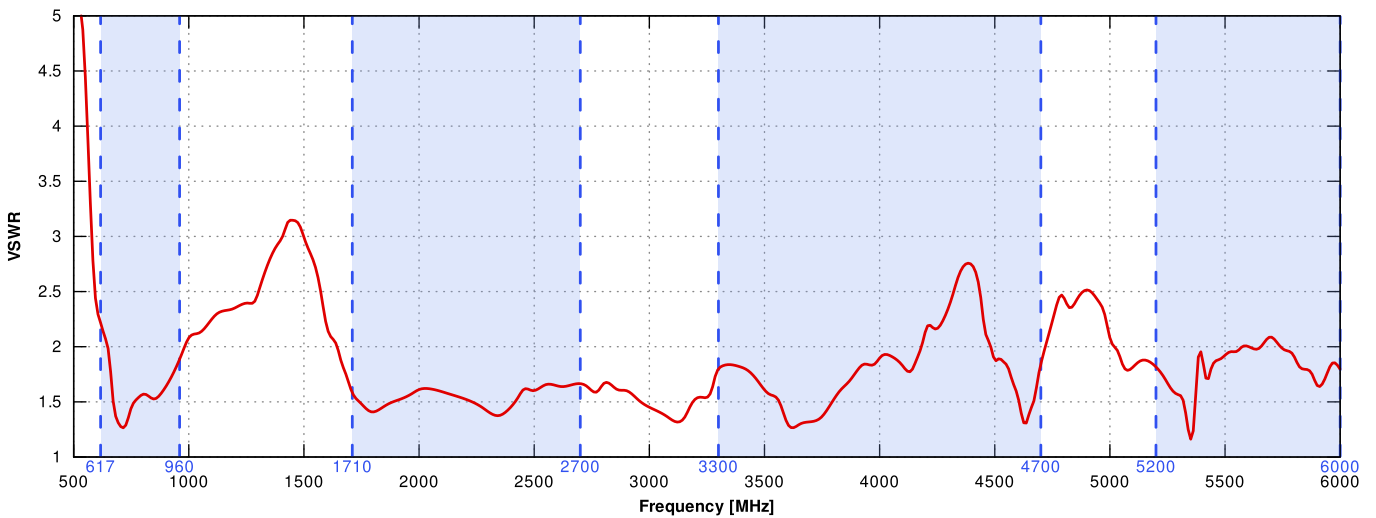
|                                  |   |
|----------------------------------|---|
| <b>FORTINET</b>                  | FEX-311F, FEX-311F  |
| <b>FOUR-FAITH</b>                | 5G Industrial CPE F-NR200, 5G Industrial Router F-NR100, 5G SIM WiFi Router F-NR120, 5G Smart Light Pole Gateway F-G300, 5G WiFi Router with SIM Card Slot F-NR130, Smart Light Pole Gateway F-G310 |
| <b>MILESIGHT</b>                 | UF31, UR75  |
| <b>PEPLINK</b>                   | 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                     |
| <b>PERLE</b>                     | IRG7440   |
| <b>PROROUTE</b>                  | H685 WRT M2M 5G Router, H900 5G Router  |
| <b>QUECTEL</b>                   | 5G RM500Q-AE, 5G RM500Q-GL, 5G RM502Q-GL, 5G RM505Q-AE, 5G RM510Q-GL, 5G RM520N-EU, 5G RM520N-GL, 5G RM521F-GL, 5G RM530N-GL, LTE-A EM160R-GL   |
| <b>ROBUSTEL</b>                  | EG5120, EG5200, R2000, R5010, R5020, R5020 Lite   |
| <b>SEMTECH (SIERRA WIRELESS)</b> | AirLink MG90 5G, AirLink XR60, EM9190, EM9191, EM9291, EM9293   |
| <b>SIEMENS</b>                   | 6GK5853-2EA00-2DA1, 6GK5856-2EA00-3AA1, 6GK5856-2EA00-3DA1  |
| <b>SIMCOM</b>                    | A8200E, SIM8202X-M2, SIM8260G-M2, SIM8262X-M2 Series, SIM8380G-M2   |
| <b>TELIT CINTERION</b>           | FN980/FN980m, FN990A40/A28, FN990B34/B40, LM960A18 Series, MV31, MV32   |
| <b>TELTONIKA</b>                 | RUTC42, RUTC50, RUTM30, RUTM31, RUTM51, RUTM54, RUTM55, RUTM56, RUTM59, RUTX12, RUTX14, RUTX50, TRB500, TRB501  |
| <b>WAVETEL</b>                   | W4600-NR 5G, W4A00 5G, WNR320 5G, WNR340 5G   |
| <b>WLINK</b>                     | G230, G530, G530  |

- ZTE
- ZYXEL
- OTHER

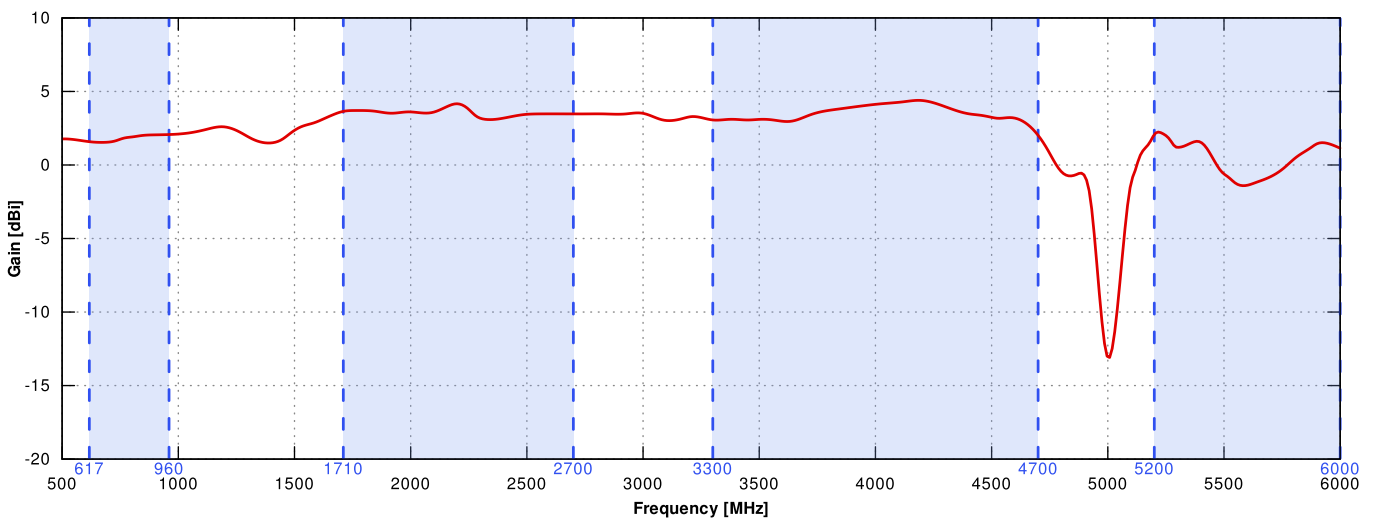
ZM9020  
Nebula FWA510, NR5103  
4 \* SMA

## PLOTS

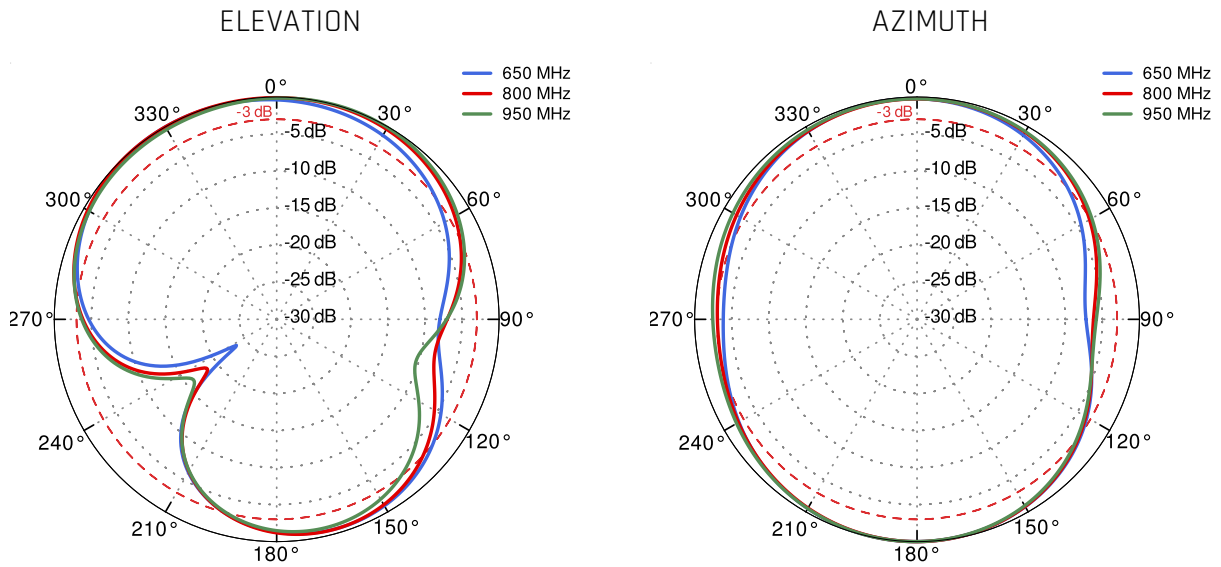
### VSWR



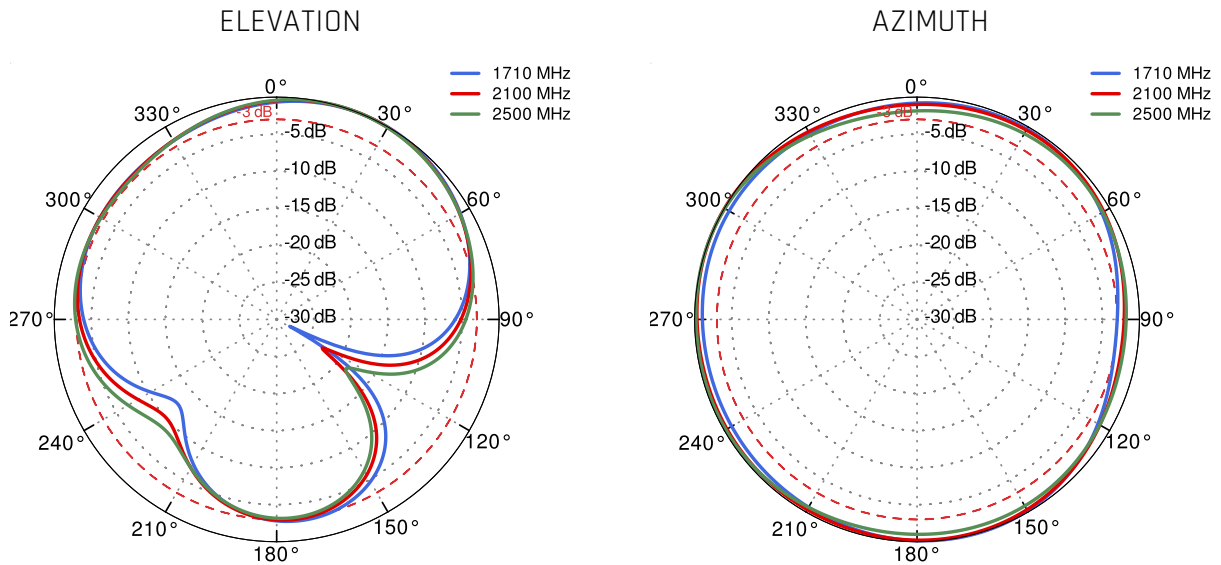
### Gain



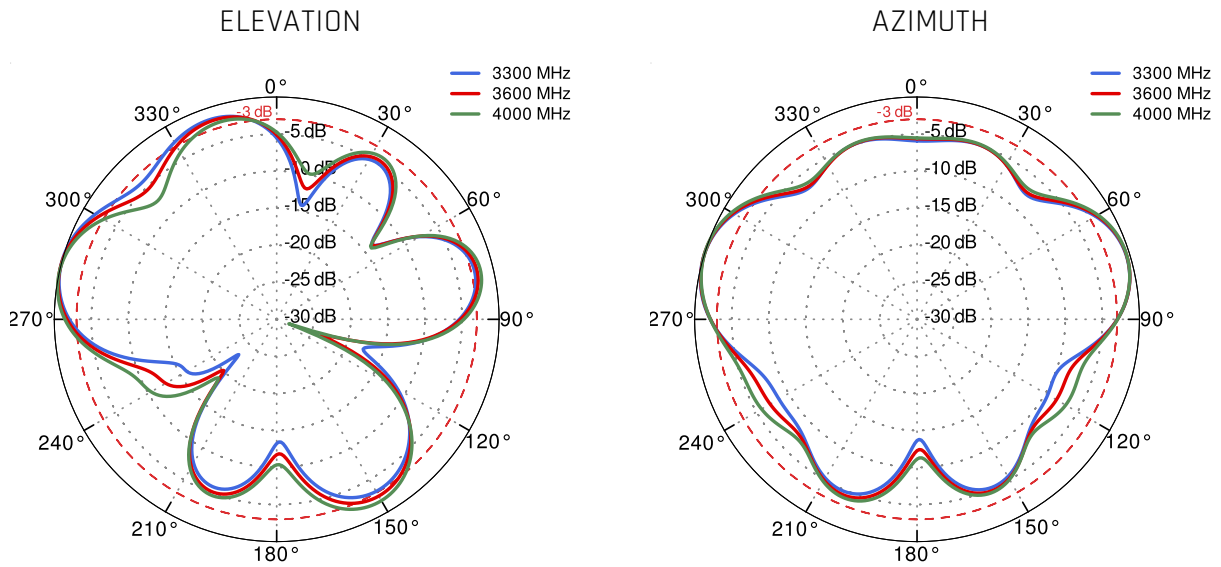
From 650MHz to 950MHz



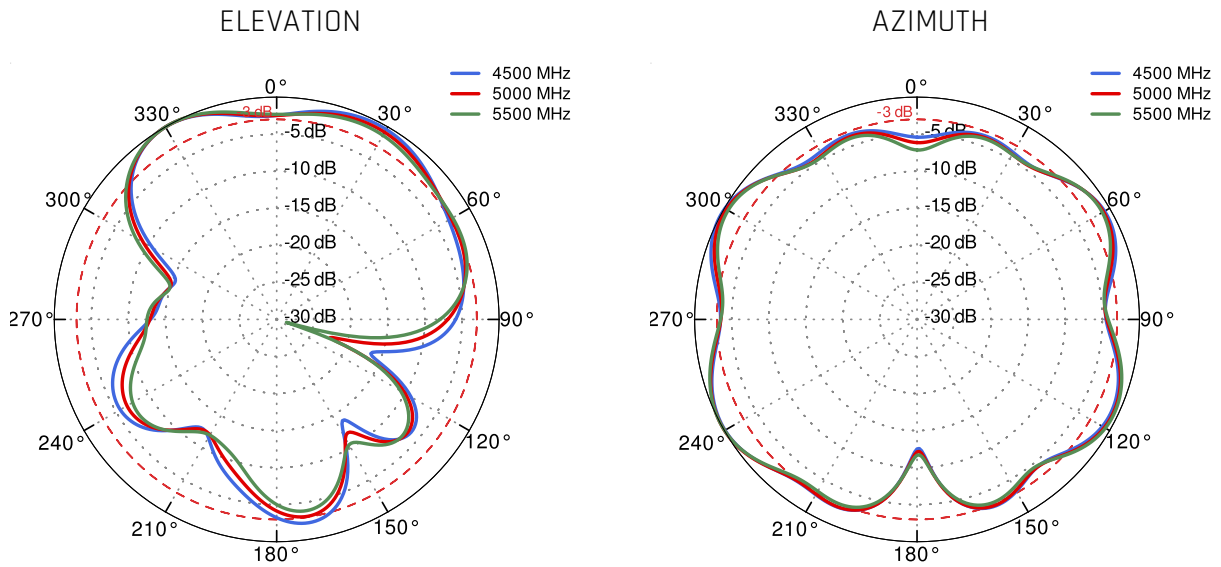
From 1.71GHz to 2.5GHz



From 3.3GHz to 4.0GHz



From 4.5GHz to 5.5GHz



## **DIMENSIONS**

