

# QuMax for Teltonika RUT360

**Integrated outdoor multi band high power LTE directional antenna + outdoor Wi-Fi omni antenna + place to install Teltonika RUT360 (All-in-one)**

QuMAX offers the most powerful directional LTE antenna of all QuWireless antennas. It is dedicated to connections with long distance to base station. It is designed to have Teltonika **RUT360** router installed inside IP67 enclosure. It is the first choice for fixed installations in industrial environment. **It has embedded also outdoor Wi-Fi omni antennas.**

**4G**  
LTE**Wi Fi** 2.4GHz  
694-2700MHz  
6 dBi  
DIRECTIONAL  
IP 67  
-40° TO +80°

OUTDOOR ANTENNA WORKS IN **ANY**  
WEATHER CONDITIONS, IP67



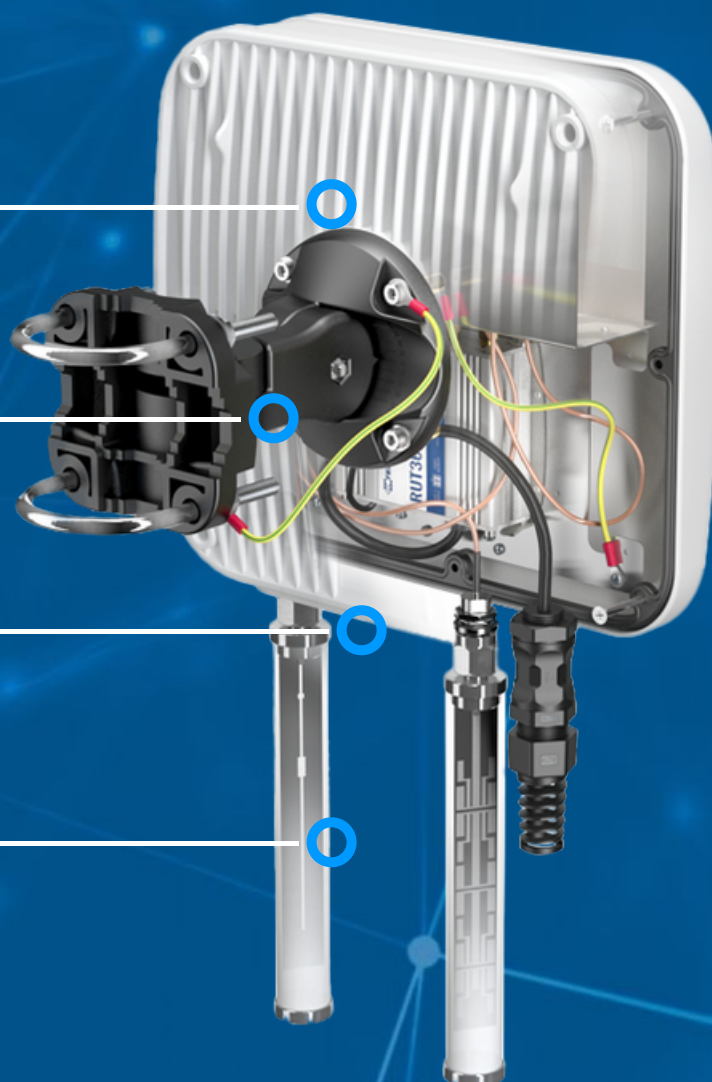
ANTENNA **PERFECTLY MATCHED** WITH  
THE ROUTER



PASSIVE **POE** SUPPORT



MADE IN **EUROPE**



## LTE ANTENNA SPECIFICATION

|                        |  |
|------------------------|--|
| FREQUENCY              | 694 - 960 MHz<br>1.7 - 2.2 GHz<br>2.2 - 2.7 GHz  |
| SUPPORTED LTE/5G BANDS | 1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n86, n89, n90, n95, n97, n98, n100, n101, n256 |
| GAIN                   | 694 - 960 MHz : 4 dBi<br>1.7 - 2.2 GHz : 5 dBi<br>2.2 - 2.7 GHz : 6 dBi  |
| FRONT-TO-BACK          | >8 dB  |
| VSWR                   | <1.30, max <1.8  |
| BEAMWIDTH              | 90°/90° ±30°   |
| POLARIZATION           | Vertical   |
| IMPEDANCE              | 50 $\Omega$  |

## WI-FI ANTENNA SPECIFICATION

|              |                  |
|--------------|------------------|
| FREQUENCY    | 2.4 - 2.5 GHz    |
| GAIN         | 6 dBi            |
| VSWR         | <1.70, max <2.00 |
| BEAMWIDTH    | 360°/25° ±5°     |
| POLARIZATION | Vertical         |
| IMPEDANCE    | 50 $\Omega$      |

## MECHANICAL SPECIFICATION

|                       |   |
|-----------------------|---|
| MATERIALS             | ABS, aluminum, PTFE, Fiberglass                   |
| CONNECTOR TYPE        | RJ45 + 2xNf + 2xNm in external omni wi-fi antenna |
| INGRESS PROTECTION    | IP67  |
| DIMENSIONS            | 272 x 276 x 96 mm<br>10.71 x 10.87 x 3.78 inch    |
| WEIGHT                | 1.8 kg<br>3.97 lbs                                |
| OPERATING TEMPERATURE | From -40°C to 80°C<br>From -40°F to 176°F         |
| MAST DIAMETER         | 25-60mm<br>0.98-2.36 inch                         |

## FREQUENCY BANDS

|               |          |   |   |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |      |     |     |     |      |          |
|---------------|----------|---|---|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|------|-----|-----|-----|------|----------|
| LTE / 4G GSM  | 694 MHz  | 5 | 8 | 12 | 13 | 14 | 17 | 18 | 19 | 20 | 26 | 27 | 28 | 29 | 44  | 67  | 68  | 85  | 103 | n81  | n82 | n83 | n89 | n100 | 960 MHz  |
| LTE / 4G UMTS | 1710 MHz | 1 | 2 | 3  | 4  | 9  | 10 | 25 | 33 | 34 | 35 | 36 | 37 | 39 | n80 | n84 | n86 | n95 | n98 | n101 |     |     |     |      | 2170 MHz |

**LTE / 4G WCS DARS**

2300  
MHz

30

40

n97

2400  
MHz

**LTE / 4G**

2400  
MHz

7

38

41

53

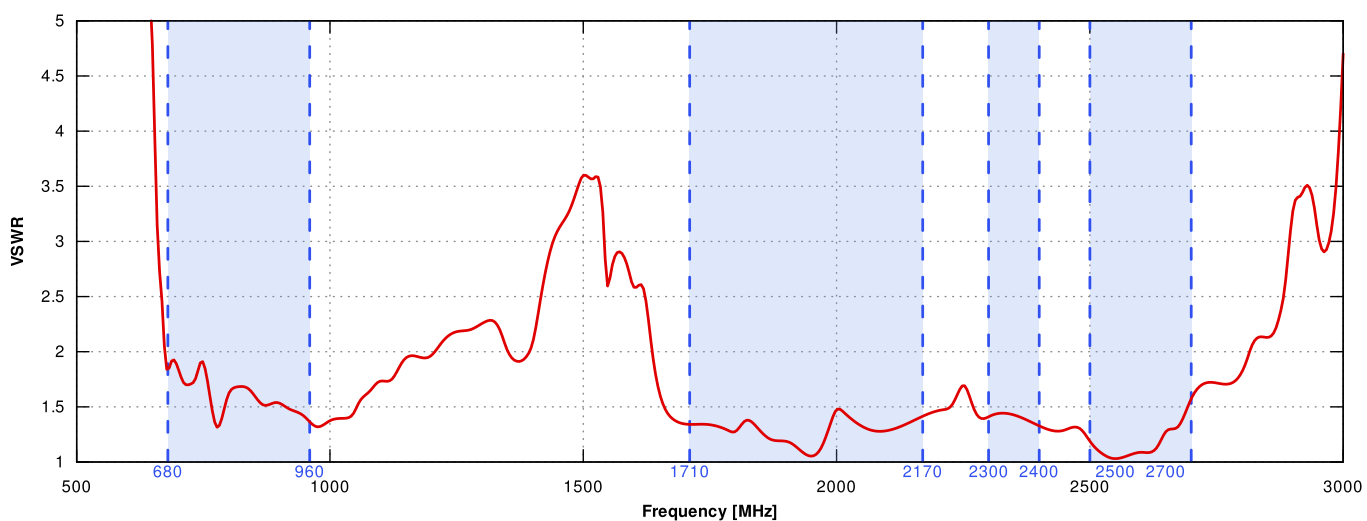
69

n90

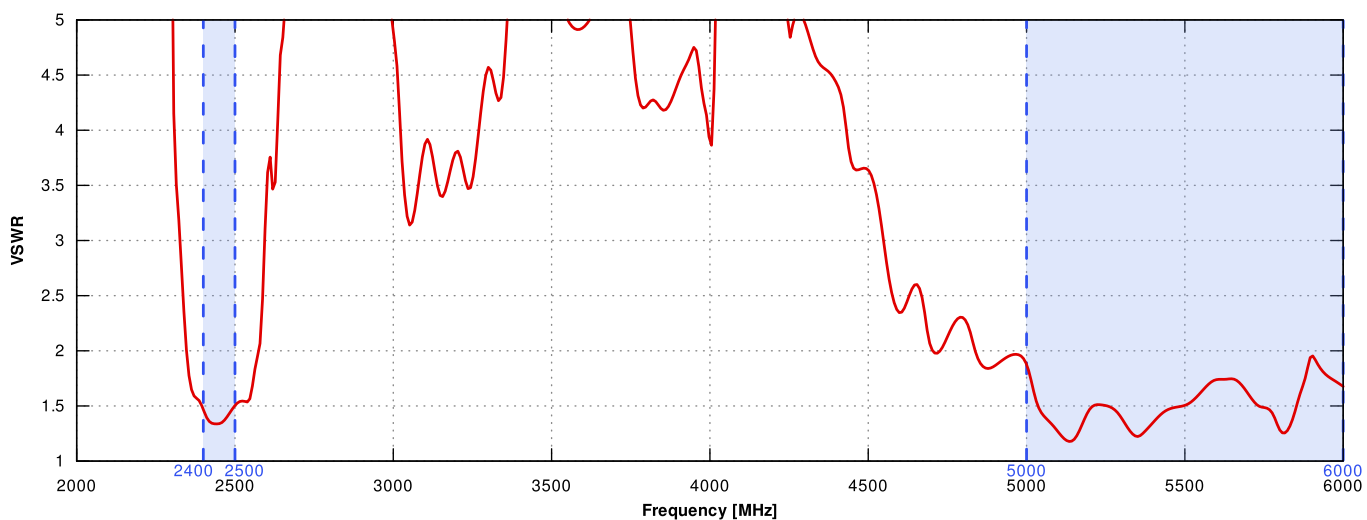
2700  
MHz

## PLOTS

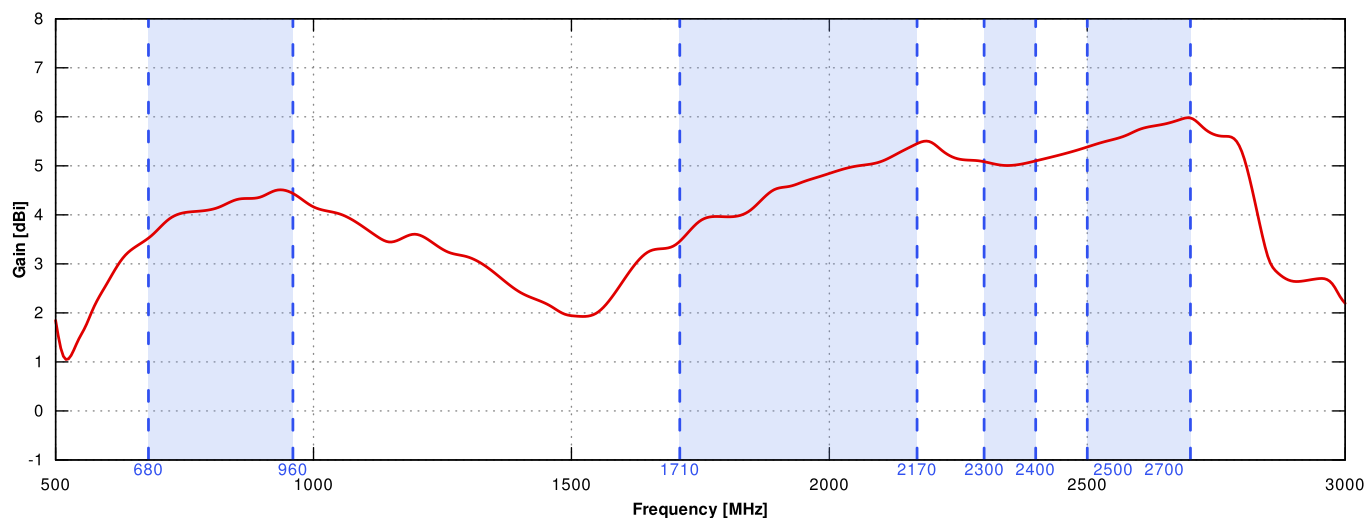
VSWSR for LTE antenna



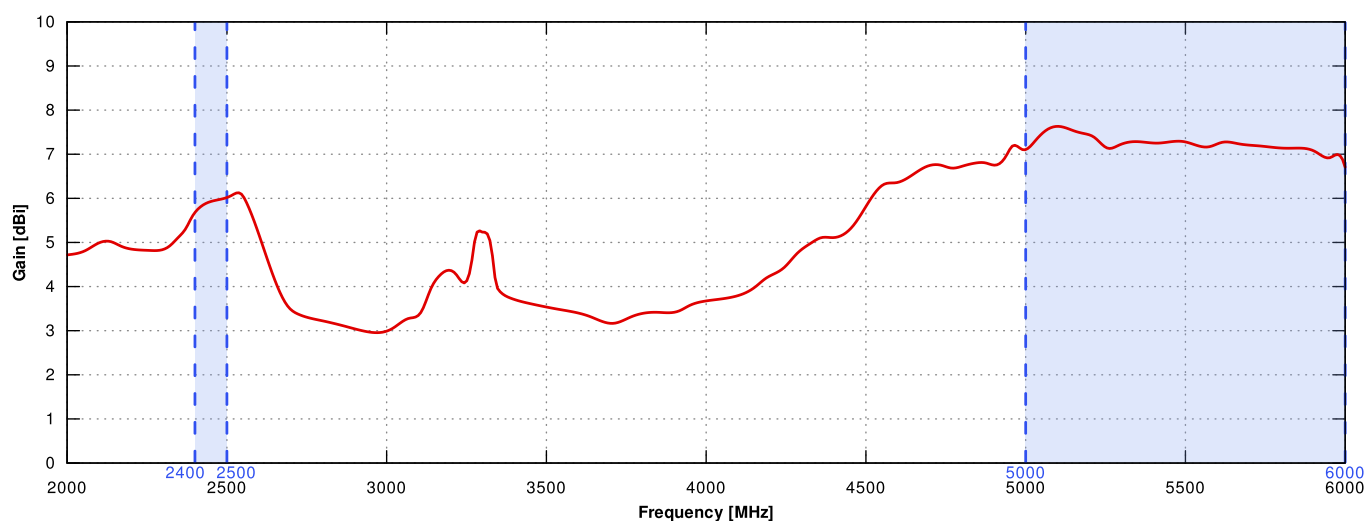
VSWSR for Wi-Fi antenna



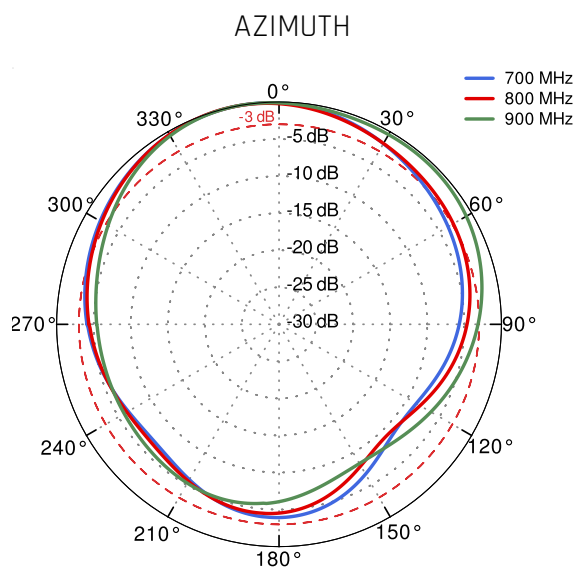
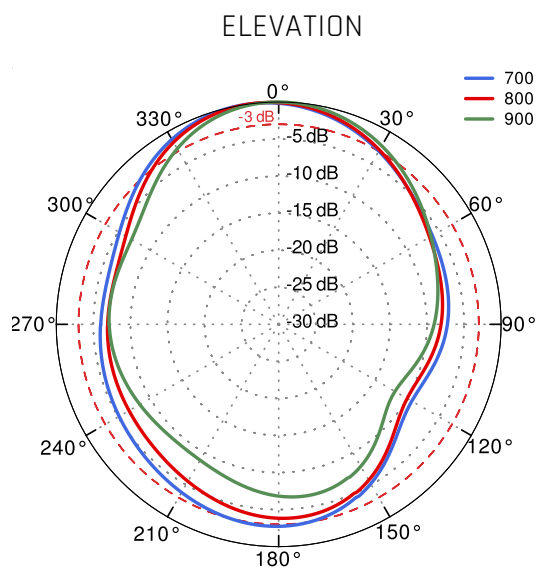
## Gain for LTE antenna



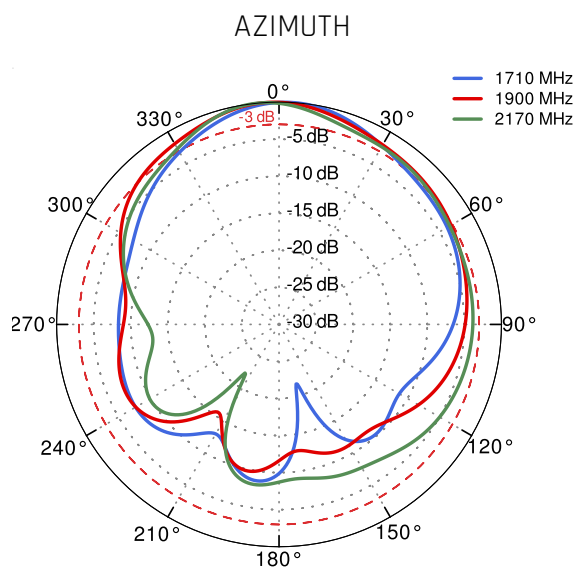
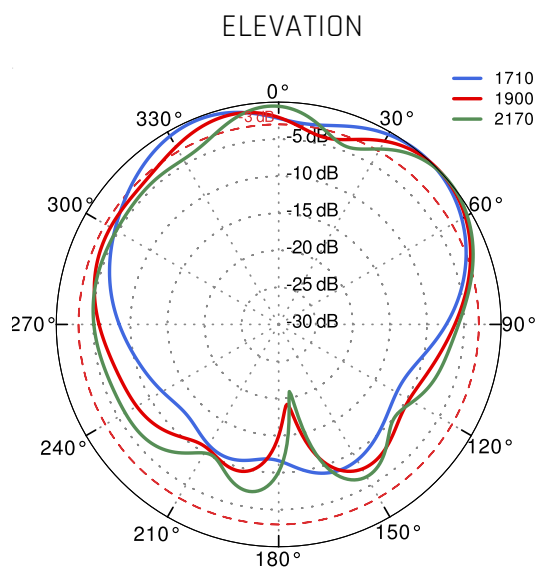
## Gain for Wi-Fi antenna



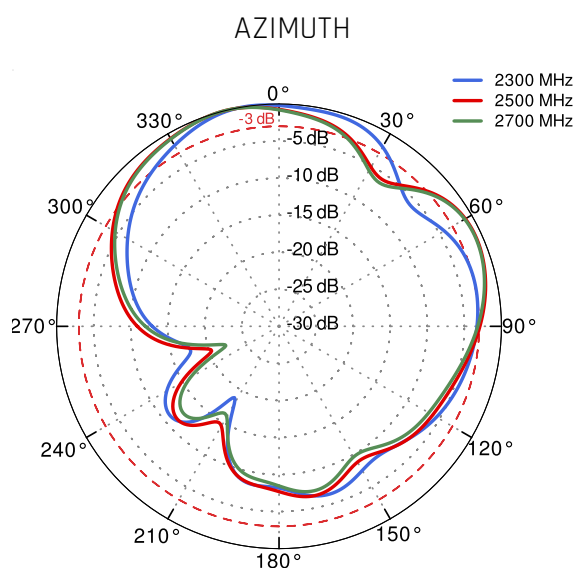
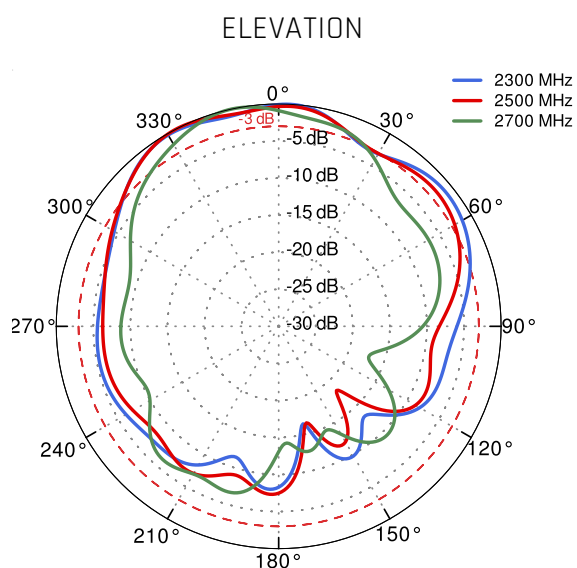
## LTE from 700MHz to 900MHz



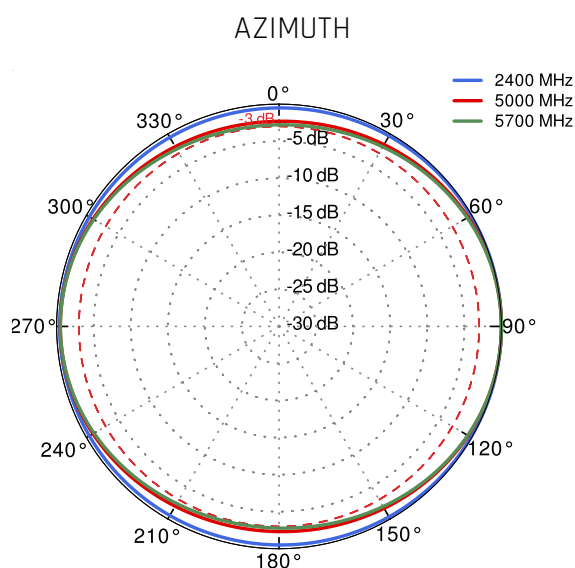
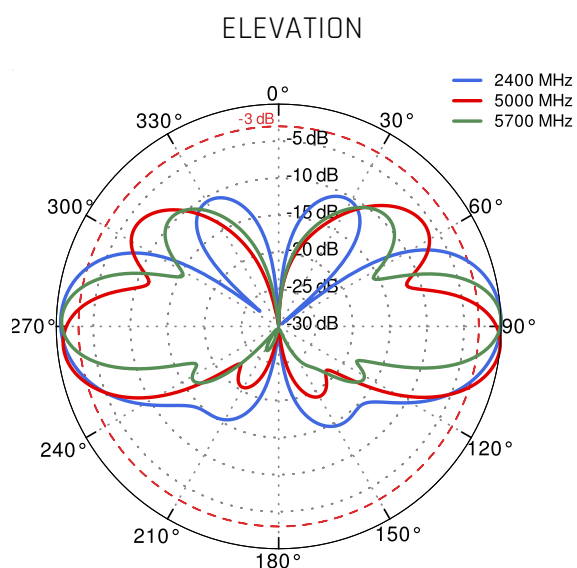
## LTE from 1.71GHz to 2.17GHz



## LTE from 2.3GHz to 2.7GHz



## Wi-Fi 2.4GHz and 5GHz



## DIMENSIONS

