

# QuMax for Teltonika RUTX09

**Integrated outdoor multi-band high power LTE directional antenna + GPS antenna + place to install Teltonika RUTX09 (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 **RUTX09** router installed inside IP67 enclosure. It is the first choice for fixed installations in industrial environment. **It has embedded also GPS antenna.**

**4G**  
LTE**GPS**  
**694-2700MHz**  
**6 dBi**  
**DIRECTIONAL**  
**IP 67**  
**-40° TO +80°**

ALL ANTENNAS AND TELTONIKA  
ROUTER INTEGRATED **IN ONE**  
**ENCLOSURE**



OUTDOOR ANTENNA WORKS IN ANY  
WEATHER CONDITIONS, IP67



ANTENNA **PERFECTLY MATCHED** WITH  
THE ROUTER



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, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 59, 62, 65, 66, 67, 68, 69, 85, n80, n81, n82, n83, n84, n86, n89, n90, n95 |
| 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 <1.80   |
| BEAMWIDTH              | 90°/90° ±30°   |
| POLARIZATION           | Vertical   |
| IMPEDANCE              | 50 $\Omega$  |

## MECHANICAL SPECIFICATION

|                       |  |
|-----------------------|--|
| MATERIALS             | ABS, aluminum, PTFE, Fiberglass                |
| CONNECTOR TYPE        | RJ45   |
| 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<br>MHz  | 5   | 6   | 8   | 12  | 13  | 14  | 17  | 960<br>MHz  |
|               |             | 18  | 19  | 20  | 26  | 27  | 28  | 29  |             |
|               |             | 44  | 67  | 68  | 85  | n81 | n82 | n83 |             |
|               |             | n89 |     |     |     |     |     |     |             |
| LTE / 4G UMTS | 1710<br>MHz | 1   | 2   | 3   | 4   | 9   | 10  | 25  | 2170<br>MHz |
|               |             | 33  | 34  | 35  | 36  | 37  | 39  | 59  |             |
|               |             | 62  | n80 | n84 | n86 | n95 |     |     |             |
|               |             |     |     |     |     |     |     |     |             |

**LTE / 4G WCS DARS**

2300  
MHz

30

40

2400  
MHz

**LTE / 4G**

2400  
MHz

7

38

41

53

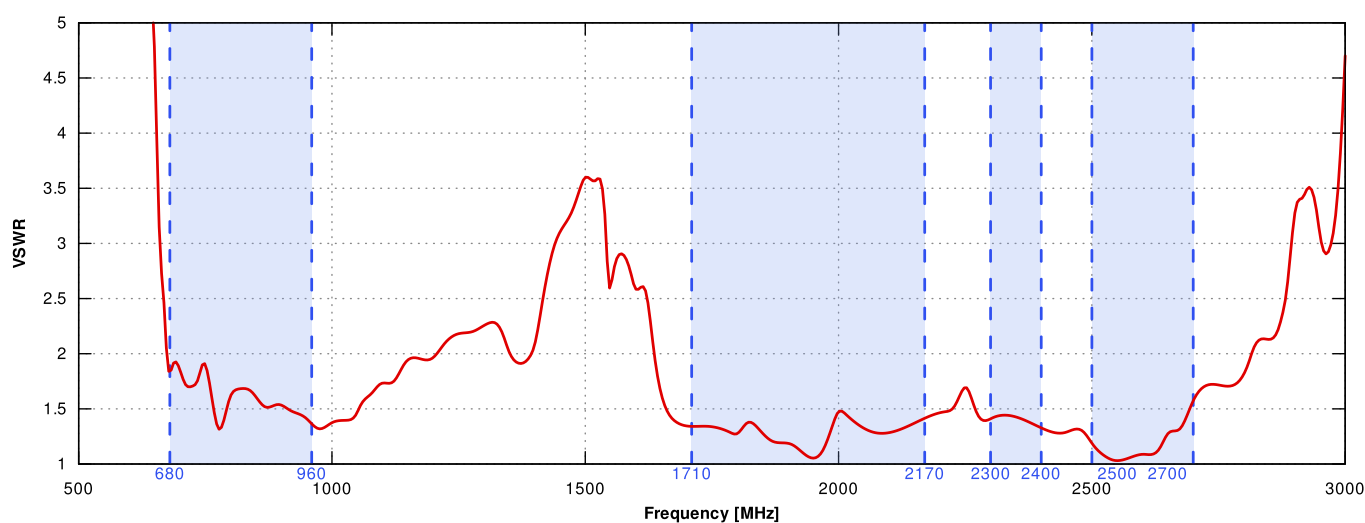
69

n90

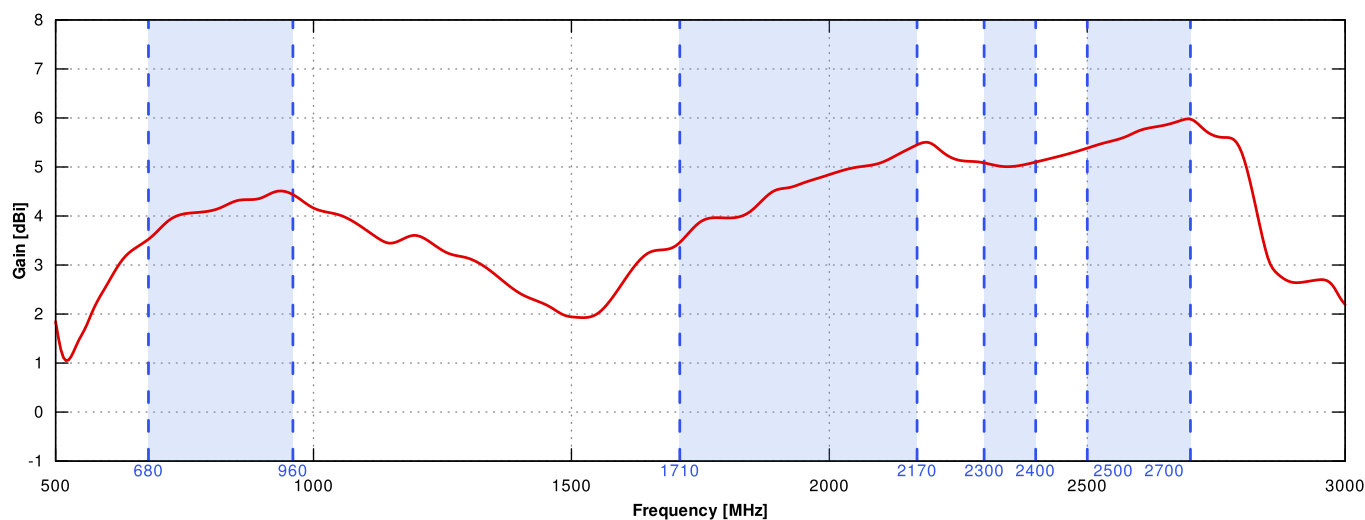
2700  
MHz

## PLOTS

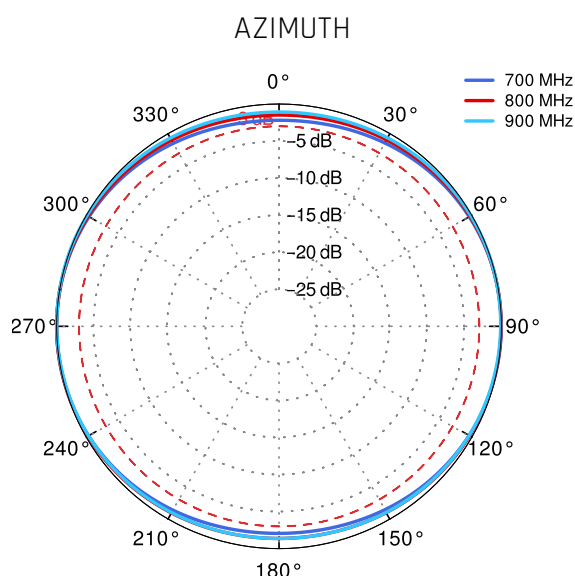
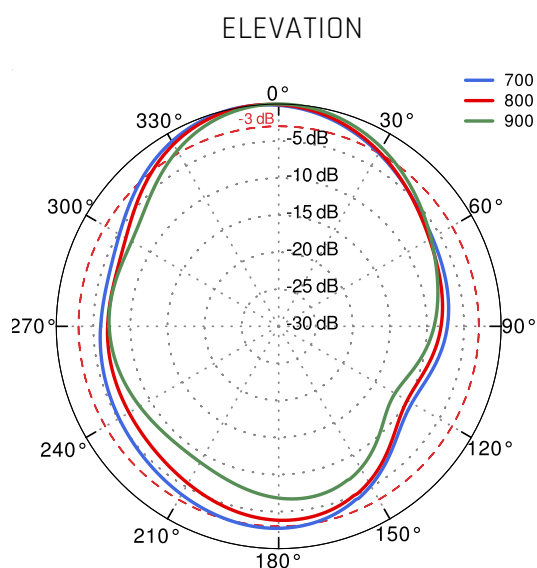
VSWSR for LTE antenna



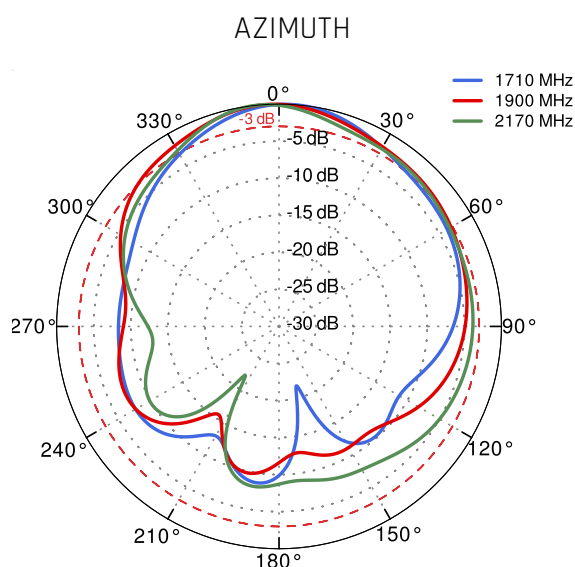
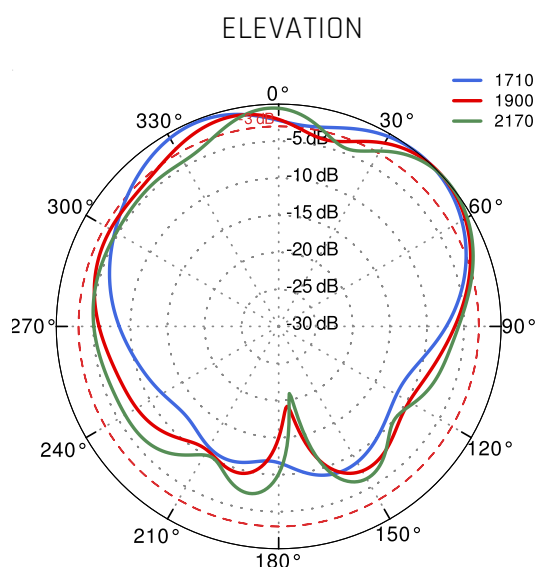
Gain for LTE antenna



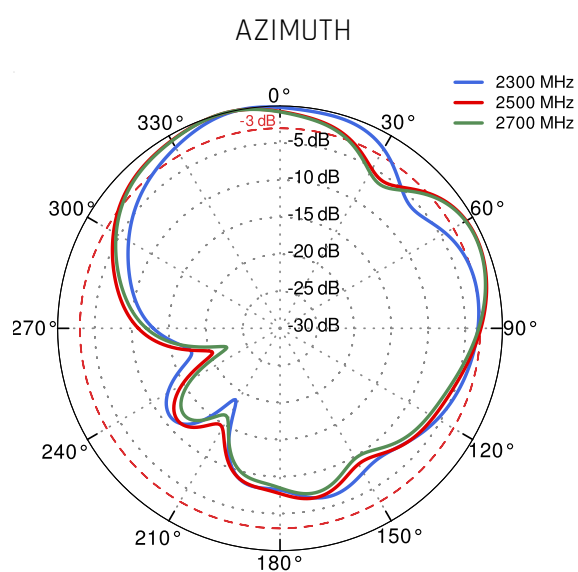
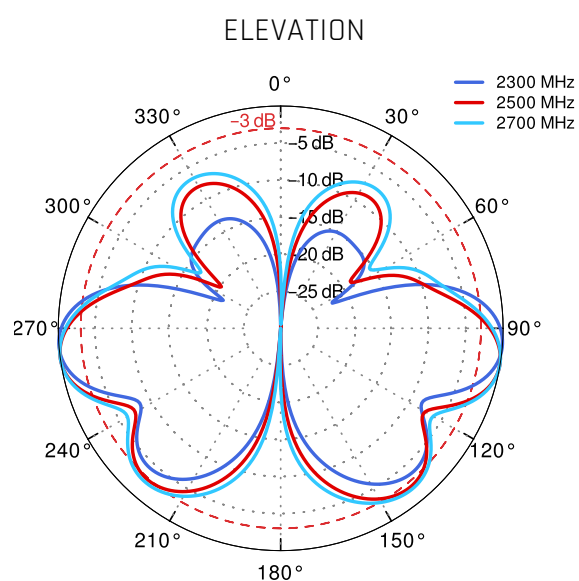
## LTE from 700MHz to 900MHz



## LTE from 1.71GHz to 2.17GHz



LTE from 2.3GHz to 2.7GHz



## DIMENSIONS

