

# 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.**

This product is also compatible with **RUTM09**.

**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 1.7 - 2.2 GHz 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 1.7 - 2.2 GHz : 5 dBi 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 10.71 x 10.87 x 3.78 inch
WEIGHT	1.8 kg 3.97 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.6 - 0.8 Nm
MAST DIAMETER	25-66mm 0.98-2.60 inch

## FREQUENCY BANDS

**LTE / 4G GSM**

694 MHz	5	6	8	12	13	14	17	960 MHz
	18	19	20	26	27	28	29	
	44	67	68	85	n81	n82	n83	
	n89							

**LTE / 4G UMTS**

1710 MHz	1	2	3	4	9	10	25	2170 MHz
	33	34	35	36	37	39	59	
	62	n80	n84	n86	n95			

**LTE / 4G WCS DARS**

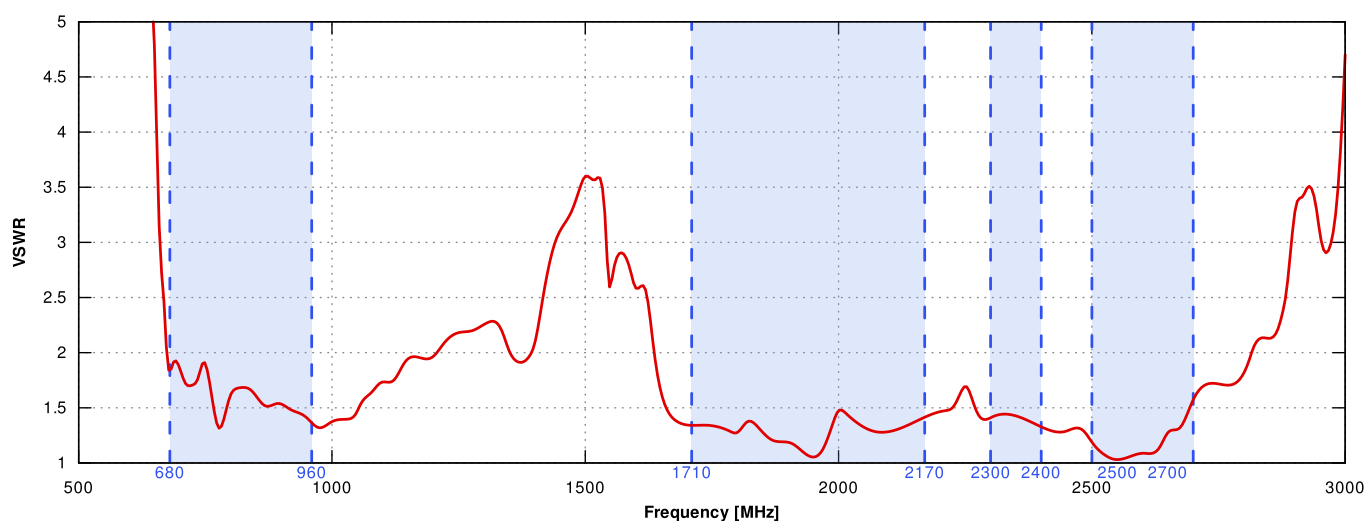
2300 MHz	30	40					2400 MHz
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**LTE / 4G**

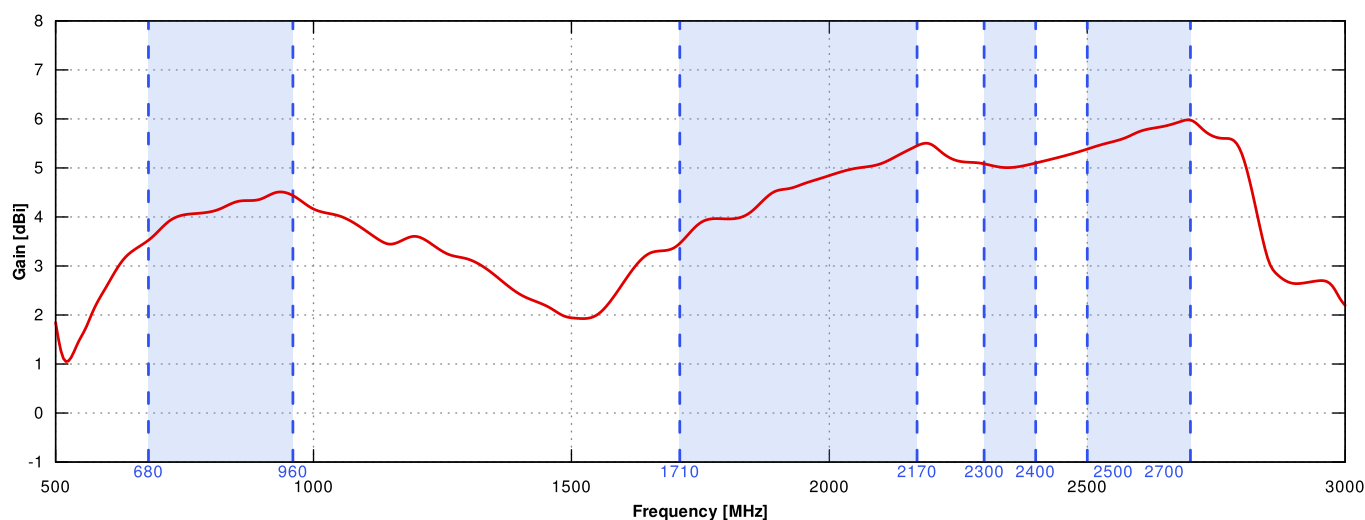
2400 MHz	7	38	41	53	69	n90	2700 MHz
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## PLOTS

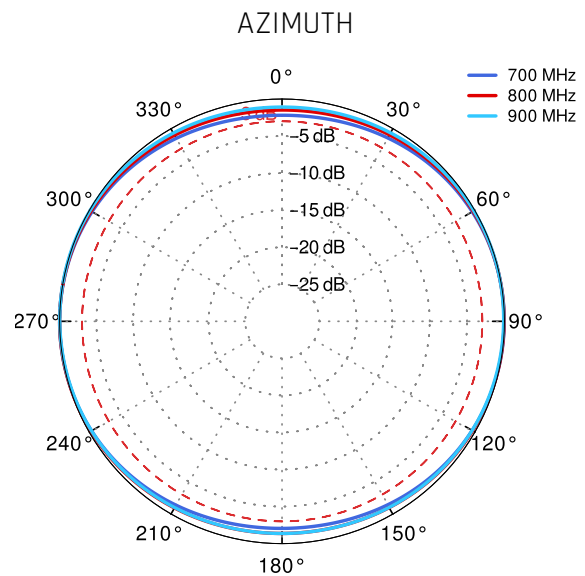
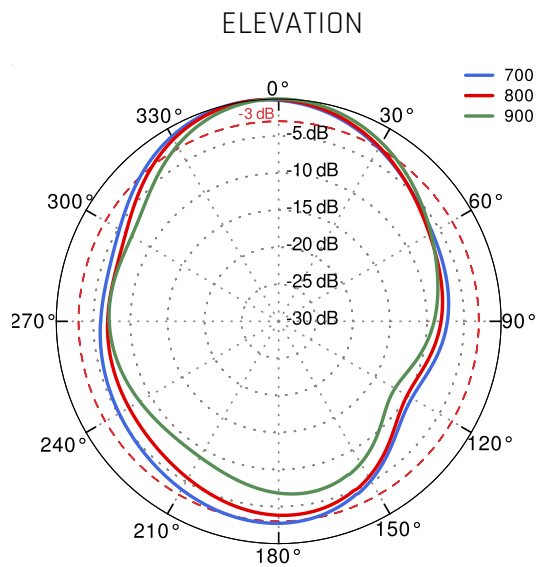
VSWR for LTE antenna



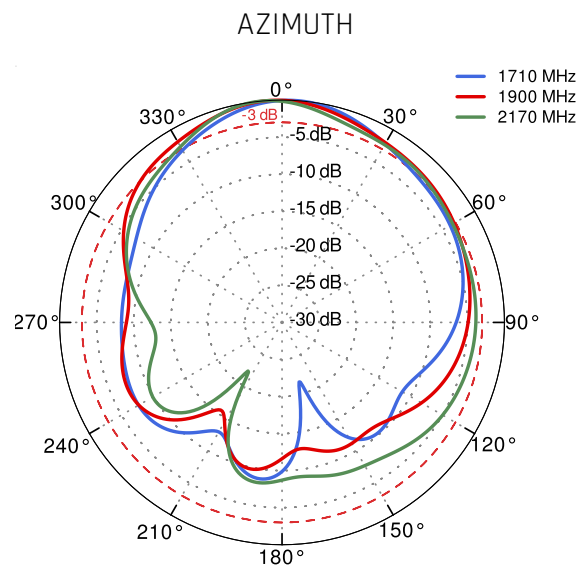
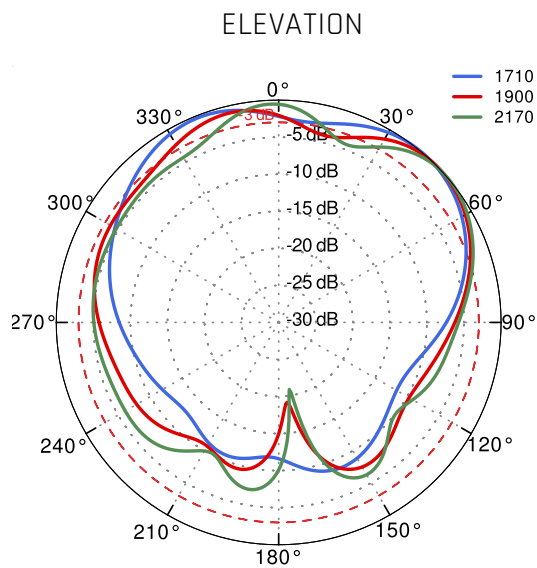
Gain for LTE antenna



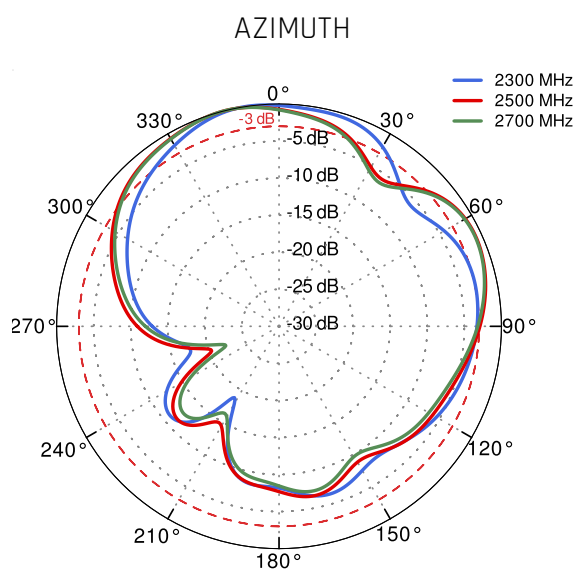
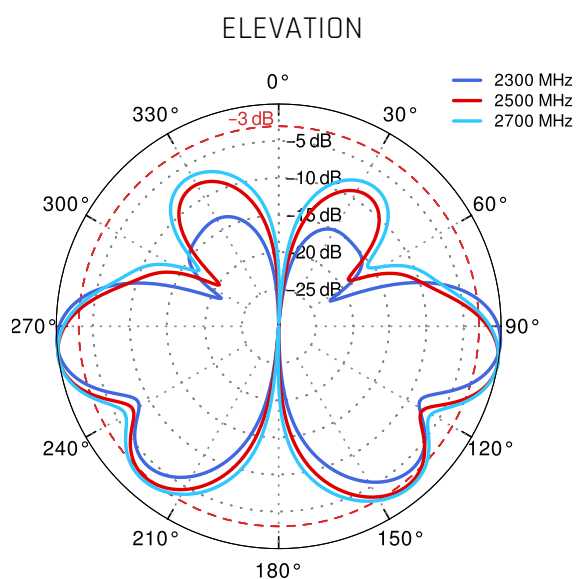
## LTE from 700MHz to 900MHz



## LTE from 1.71GHz to 2.17GHz



LTE from 2.3GHz to 2.7GHz



## **DIMENSIONS**

