

# QuPanel LTE HP SISO Nf

## Directional High Power multiband LTE SISO antenna

QuPanel LTE HP directional high gain antenna is predicted for 4G LTE mainly, but is compatible with 3G and 2G as well. The antenna improves the signal in rural/suburban and locations where the mobile signal is weak. That antenna is predicted to be installed on the buildings (on the pole or on the wall). Due to very wide working frequency range, the antenna is universal client for LTE bands like LTE700/800/1800/1900/2100/2300/2600. It's compatible with Teltonika: RUT230, TRB140, TRB141, TRB142, TRB145, TRM240, TRM250 and other SISO LTE/3G/2G modems and routers.

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

OUTDOOR ANTENNA WORKS IN ANY  
WEATHER CONDITIONS, IP67



MOUNTING SYSTEM WITH TWO  
PLANES, 60 DEGREES REGULATION



INTEGRATED NF CONNECTOR



7 DBI GAIN



70° BEAMWIDTH



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 : 7 dBi<br>1.7 - 2.2 GHz : 7 dBi<br>2.2 - 2.7 GHz : 7 dBi                                                                                                                                                          |
| FRONT-TO-BACK          | >10 dB                                                                                                                                                                                                                           |
| VSWR                   | <1.70, max <2.00                                                                                                                                                                                                                 |
| BEAMWIDTH              | 70°/70° ±15°                                                                                                                                                                                                                     |
| POLARIZATION           | ±45°                                                                                                                                                                                                                             |
| IMPEDANCE              | 50 Ω                                                                                                                                                                                                                             |

## MECHANICAL SPECIFICATION

|                       |                                                |
|-----------------------|------------------------------------------------|
| MATERIALS             | ABS, aluminum, PTFE, Fiberglass                |
| 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      |
| CONNECTOR TYPE        | 1x Nf                                          |

## FREQUENCY BANDS

|                   |                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| LTE / 4G GSM      | <div>581213141718</div> <div>617 MHz<div>19202627282944</div><div>676885103n81n82n83</div><div>n89n100</div></div> <div>960 MHz</div> |
| LTE / 4G UMTS     | <div>1710 MHz<div>123491025</div><div>333435363739n80</div><div>n84n86n95n98n101</div></div> <div>2170 MHz</div>                      |
| LTE / 4G WCS DARS | <div>2300 MHz<div>3040n97</div></div> <div>2400 MHz</div>                                                                             |

**LTE / 4G**2400  
MHz

7

38

41

53

69

n90

2700  
MHz **COMPATIBLE ROUTERS**

VARIANT: APLS1-HN

**TELTONIKA**

TRB140, TRB245, TRB255

**ROBUSTEL**

M1000 MP, M1200

**FOUR-FAITH**

Sim Card WiFi Router F3X26Q, Wireless 4G LTE Router F3X26-TB

**ROBUSTEL**

M1000 MP, M1200

**SIEMENS**

6GK7243-7KX30-0XE0, 6GK7243-7SX30-0XE0

**TELTONIKA**

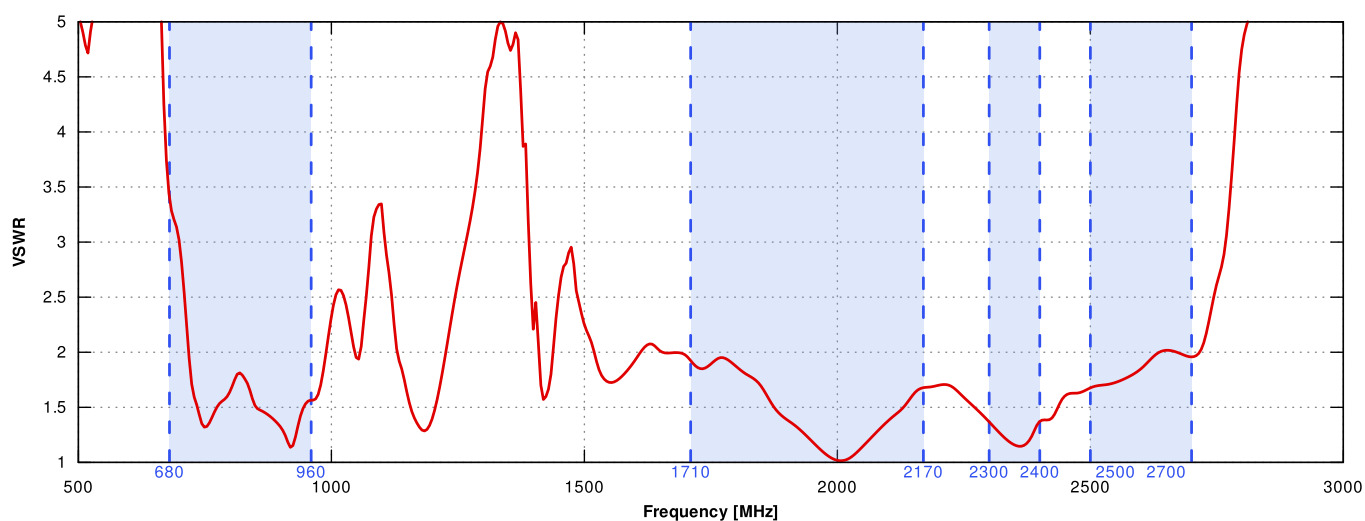
TRB140, TRB245, TRB255

**WLINK**

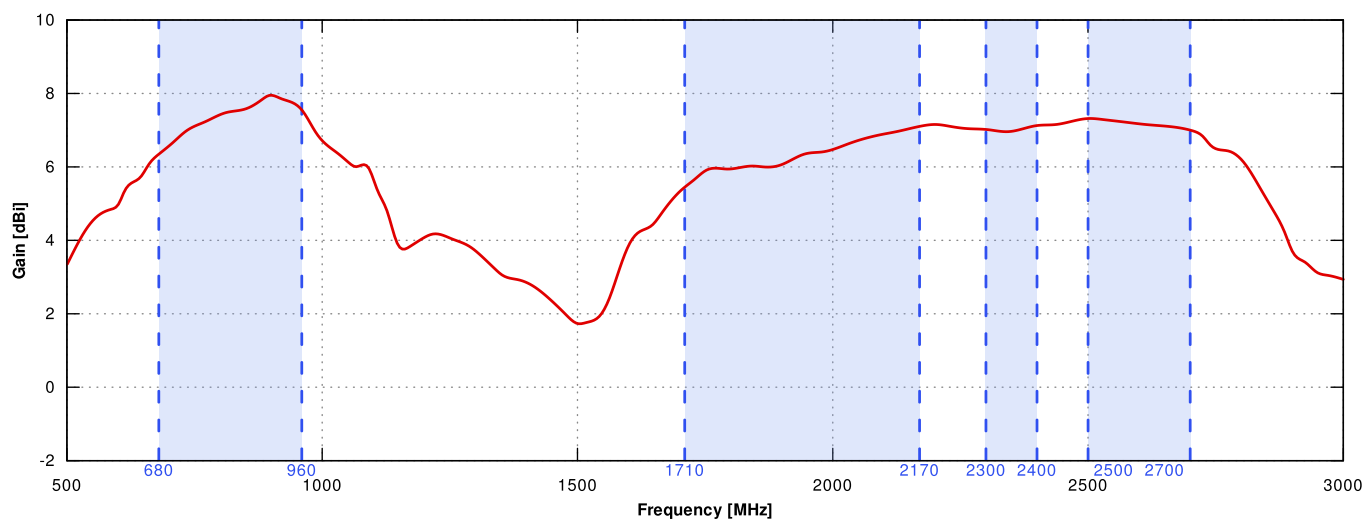
R100, R200

## PLOTS

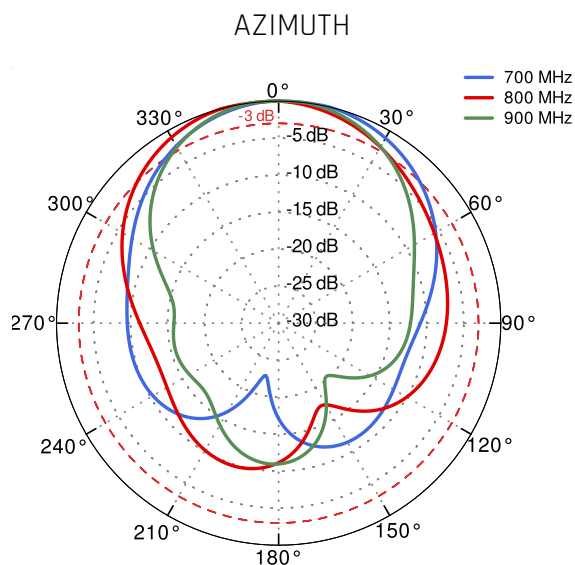
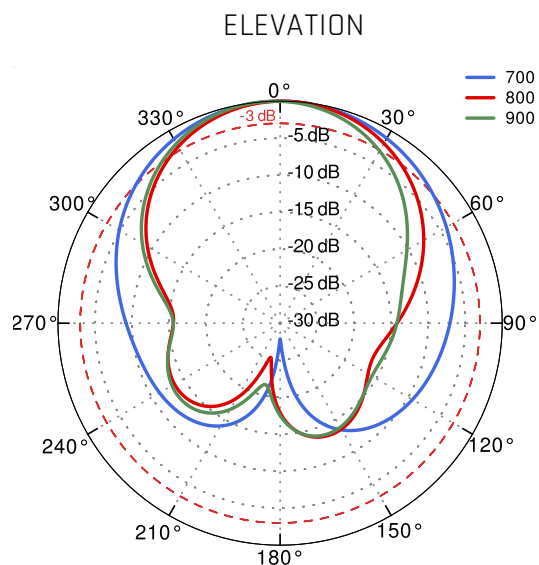
VSWR 



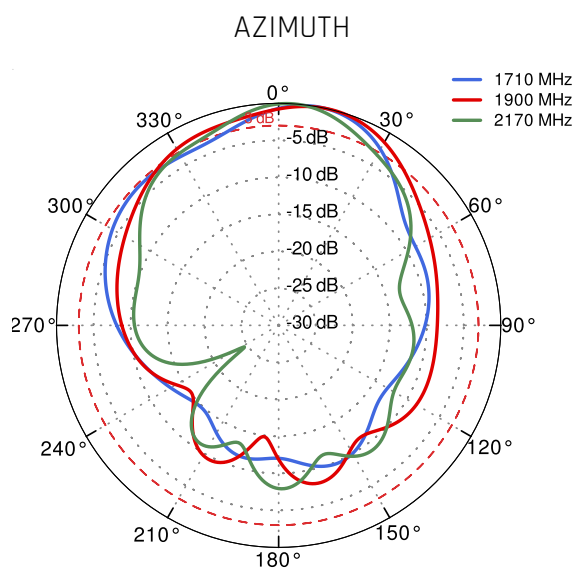
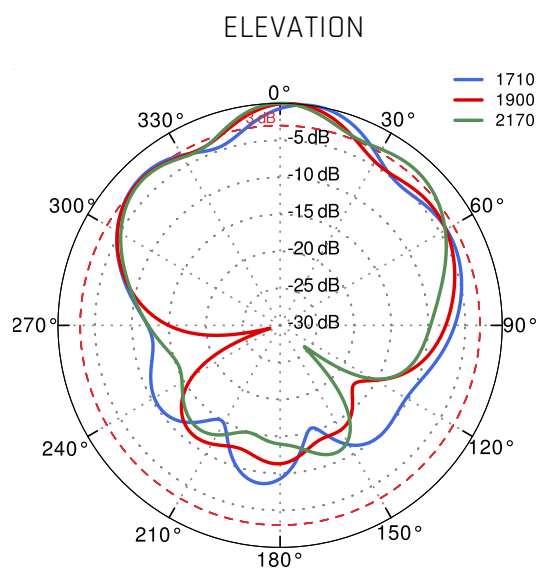
Gain 



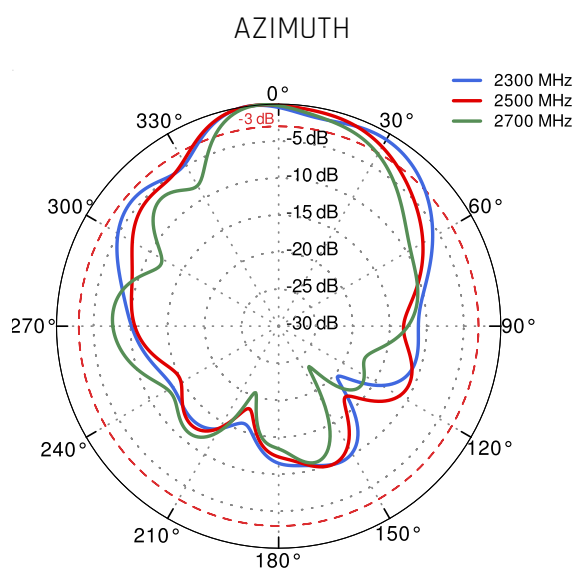
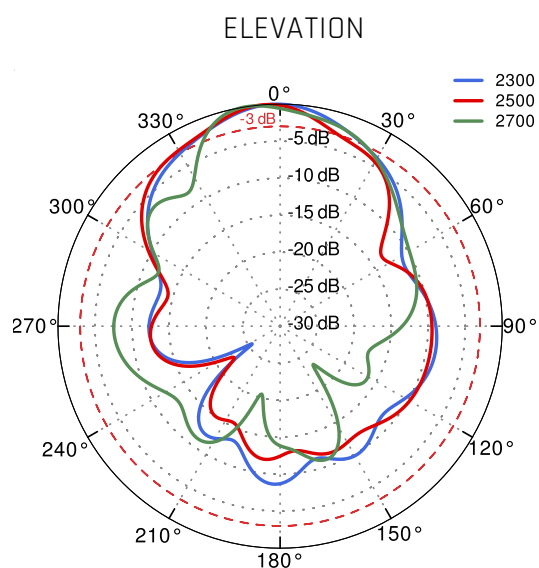
From 700MHz to 900MHz



From 1.71GHz to 2.17GHz



From 2.3GHz to 2.7GHz



## **DIMENSIONS**

