


# 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.



 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

<b>FREQUENCY</b>	694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz
<b>SUPPORTED LTE/5G BANDS</b>	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, n85, n89, n90, n95, n97, n98, n100, n101, n256
<b>GAIN</b>	694 - 960 MHz : 7 dBi 1.7 - 2.2 GHz : 7 dBi 2.2 - 2.7 GHz : 7 dBi
<b>FRONT-TO-BACK</b>	>10 dB
<b>VSWR</b>	<1.70, max <2.00
<b>BEAMWIDTH</b>	70°/70° ±15°
<b>POLARIZATION</b>	±45°
<b>IMPEDANCE</b>	50 Ω

## MECHANICAL SPECIFICATION

<b>MATERIALS</b>	ABS, aluminum, PTFE, Fiberglass
<b>INGRESS PROTECTION</b>	IP67
<b>DIMENSIONS</b>	272 x 276 x 96 mm 10.71 x 10.87 x 3.78 inch
<b>WEIGHT</b>	1.8 kg 3.97 lbs
<b>OPERATING TEMPERATURE</b>	From -40°C to 80°C From -40°F to 176°F
<b>CONNECTOR TYPE</b>	1x Nf
<b>MAST DIAMETER</b>	25-66mm 0.98-2.60 inch

## FREQUENCY BANDS

<b>LTE / 4G GSM</b>	5	8	12	13	14	17	18	617 MHz	960 MHz
	19	20	26	27	28	29	44		
	67	68	85	103	n81	n82	n83		
	n89	n100							
<b>LTE / 4G UMTS</b>	1	2	3	4	9	10	25	1710 MHz	2170 MHz
	33	34	35	36	37	39	n80		
	n84	n86	n95	n98	n101				

**LTE / 4G WCS DARS**

 2300 MHz 30 40 n97 2400 MHz

**LTE / 4G**

 2400 MHz 7 38 41 53 69 n90 2700 MHz

## COMPATIBLE ROUTERS

VARIANT: APLS1-HN

**TELTONIKA**

TRB140, TRB141, TRB142, TRB143, TRB145, TRB245, TRB246, TRB255

**ROBUSTEL**

EG5101, M1000 MP, M1200

**ETIC TELECOM**

RAS-C-100-LW

**FORTINET**

Industrial GPS Modem F7916

**FOUR-FAITH**

4G LTE WiFi Modem F2X16 V4, LoRa Router F8936-L, Sim Card WiFi Router F3X26Q, Wireless 4G LTE Router F3X26-TB, Wireless M-Bus Gateway F-R100WM

**MILESIGHT**

UR32L, UR32S, UR41

**ROBUSTEL**

EG5101, M1000 MP, M1200

**SIEMENS**

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

**TELIT CINTERION**

ME910G1 mPCIe Series

**TELTONIKA**

TRB140, TRB141, TRB142, TRB143, TRB145, TRB245, TRB246, TRB255

**WAVETEL**

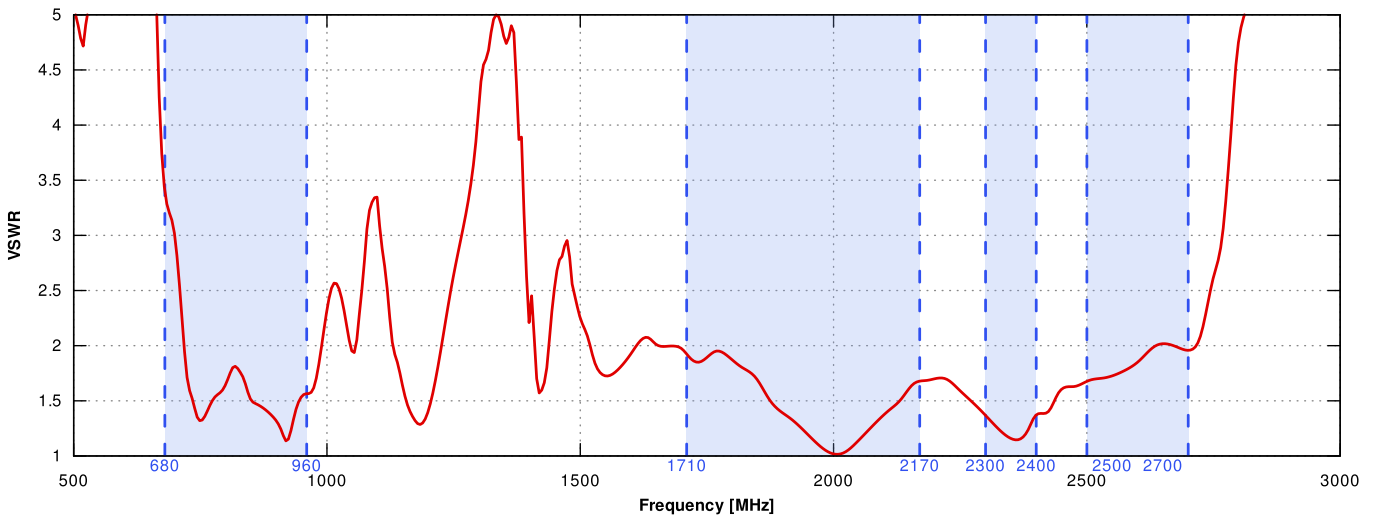
WM21 4G Cat M/NB Modem

**WLINK**

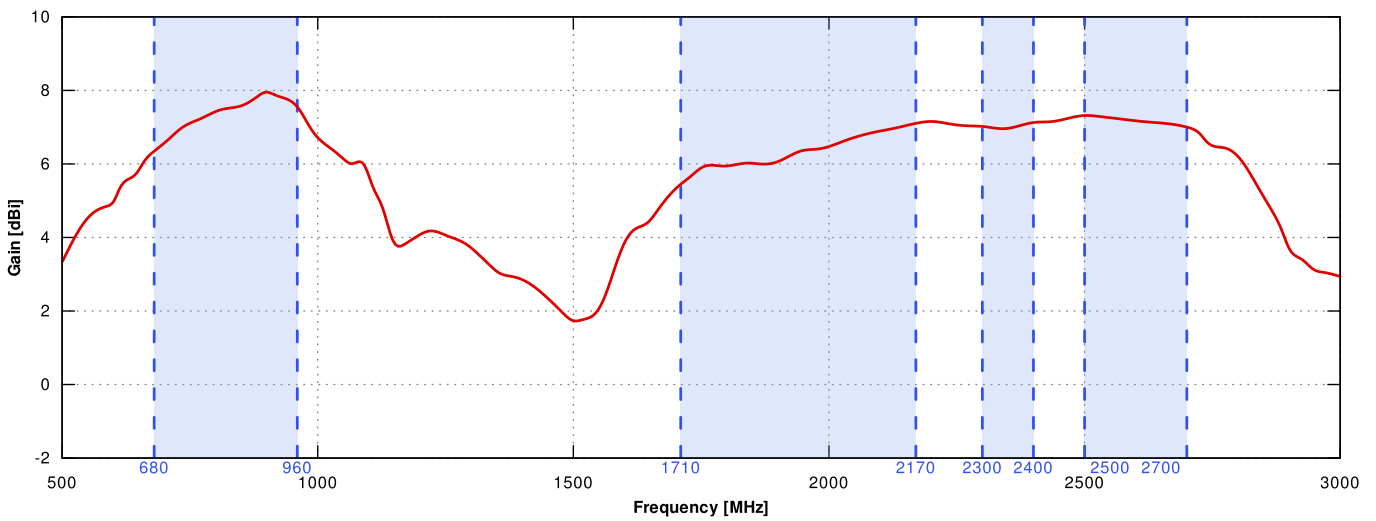
M100, M303, R100, R200

# PLOTS

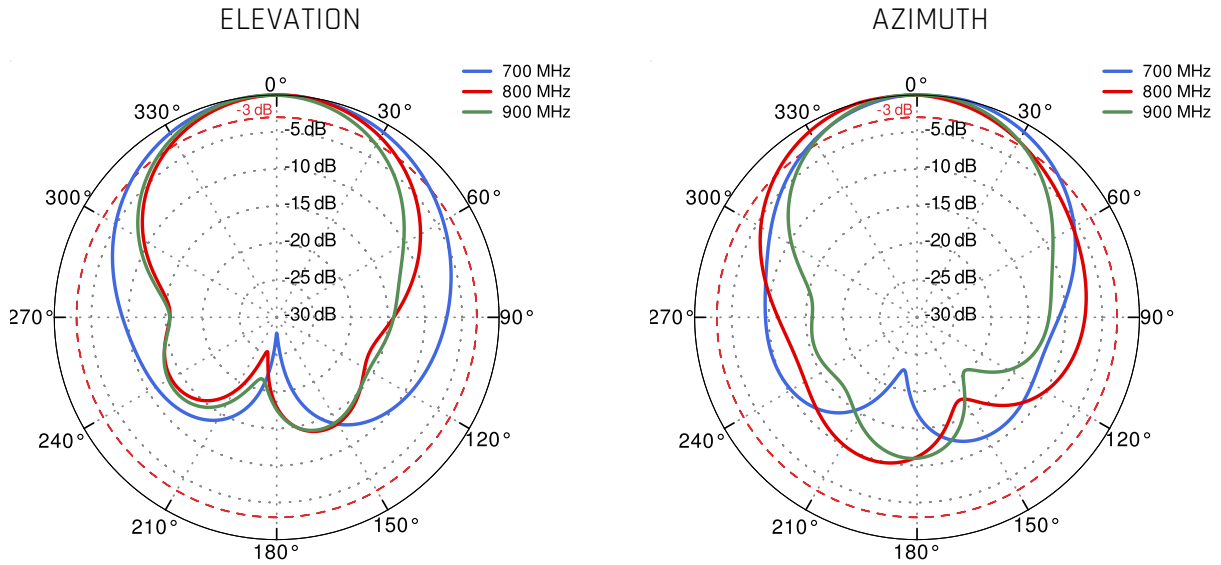
## VSWR



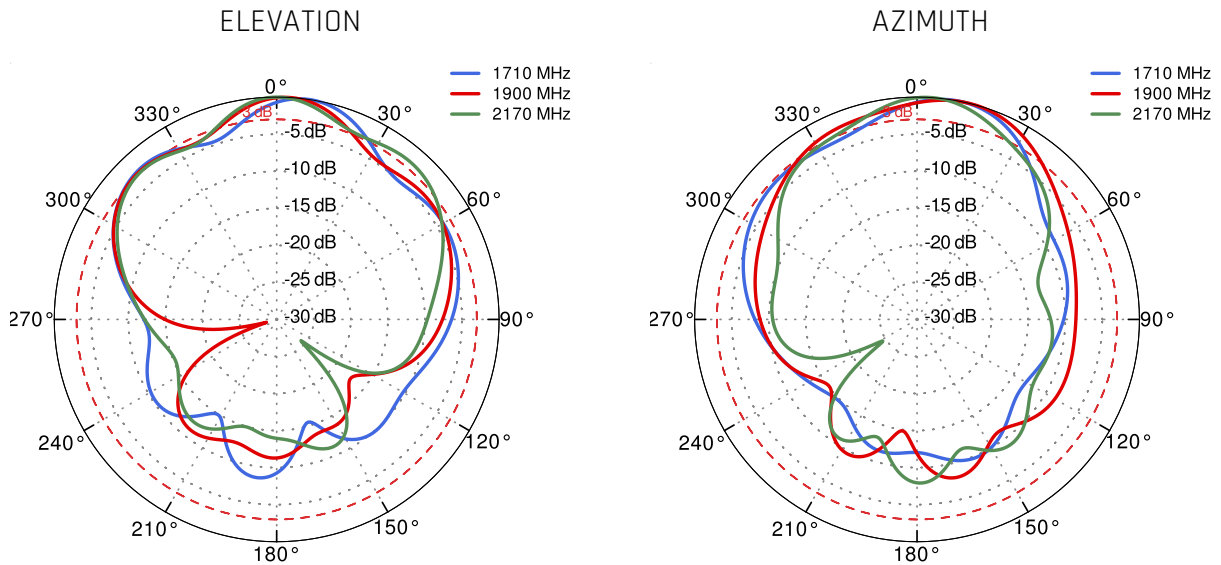
## Gain



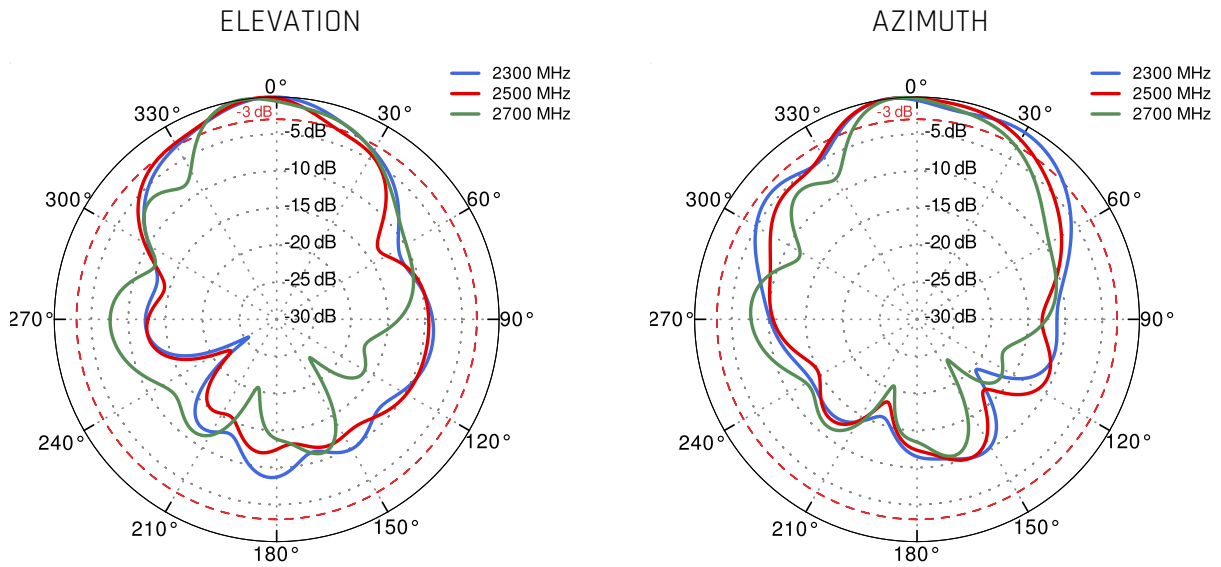
From 700MHz to 900MHz



From 1.71GHz to 2.17GHz



From 2.3GHz to 2.7GHz



## **DIMENSIONS**

