# QuOmni LTE SISO Nf

## Omnidirectional multiband LTE SISO antenna

QuOmni LTE omnidirectional SISO LTE outdoor antenna operates with vertical polarization and is designed for LTE/3G/2G connections. It supports various popular LTE bands (such as 3, 7, 20) across frequencies ranging from 694 MHz to 2700 MHz.
This versatile antenna can be mounted on either on pole or wall. It can be used as an outdoor client antenna, or it can be installed on mobile platforms like trains, buses, trucks, yachts, and boats to enable LTE/3G internet reception.
Using integrated Nf connectors allows to connect cables of any length.

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

# LTE ANTENNA SPECIFICATION

| | |
|---|---|
| **FREQUENCY** | 694 - 960 MHz<br>1.7 - 2.2 GHz<br>2.2 - 2.7 GHz |
| **GAIN** | 694 - 960 MHz : 2 dBi<br>1.7 - 2.2 GHz : 2 dBi<br>2.2 - 2.7 GHz : 4 dBi |
| **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 |
| **VSWR** | <1.60, max <2.00 |
| **BEAMWIDTH** | 360°/35° ±5° |
| **POLARIZATION** | Vertical |
| **IMPEDANCE** | 50 Ω |


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# MECHANICAL SPECIFICATION

| | |
|---|---|
| MATERIALS | ABS, aluminum, PTFE |
| CONNECTOR TYPE | Integrated Nf |
| INGRESS PROTECTION | IP67 |
| DIMENSIONS | 160 x 160 x 240 mm<br>6.3 x 6.3 x 9.45 inch |
| WEIGHT | 1.5 kg<br>3.31 lbs |
| OPERATING TEMPERATURE | From -40°C to 80°C<br>From -40°F to 176°F |
| MAST DIAMETER | 40-60 mm<br>1.57-2.36 inch |

# FREQUENCY BANDS

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LTE / 4G GSM | 617 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 | | | |


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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| LTE / 4G WCS DARS | 2300 Mhz | 30 | 40 | | | | 2400 MHz |
| LTE / 4G | 2400 MHz | 7 | 38 | 41 | 53 | 69 | n90 | 2700 MHz |

# COMPATIBLE ROUTERS

## VARIANT: AOLS1-N

| | |
|---|---|
| TELTONIKA | TRB140, TRB141, TRB142, TRB143, TRB145, TRB245, TRB246, TRB255 |
| ROBUSTEL | EG5101, M1000 MP, M1200 |
| 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 |


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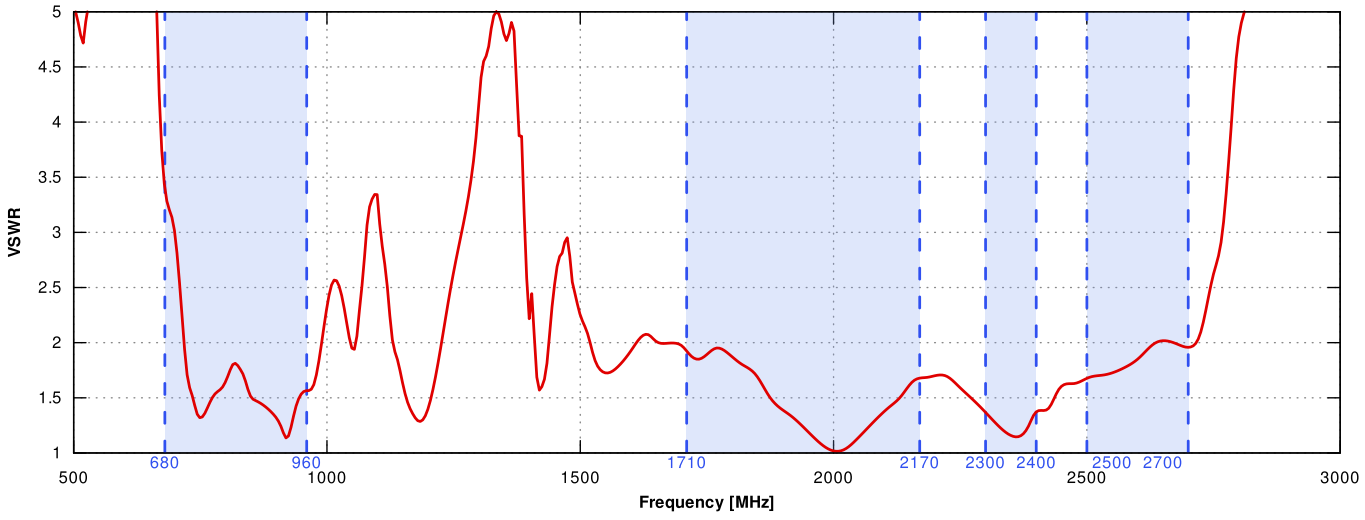
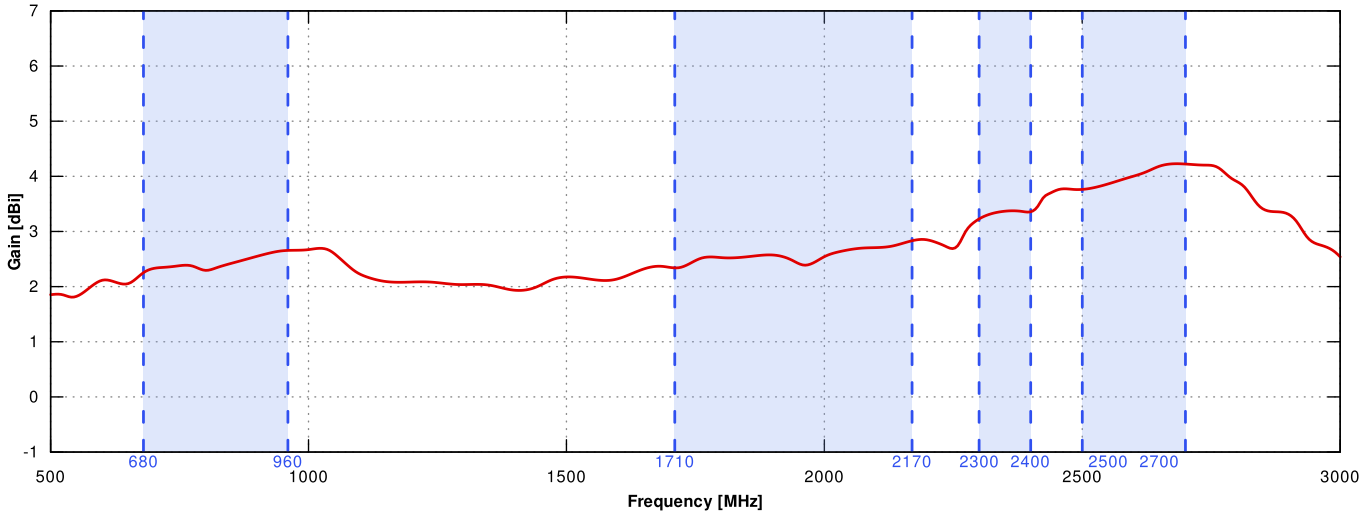
# PLOTS

## VSWR




## Gain





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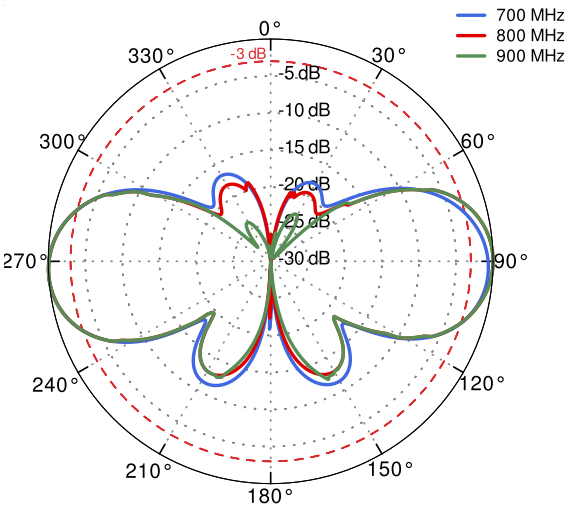
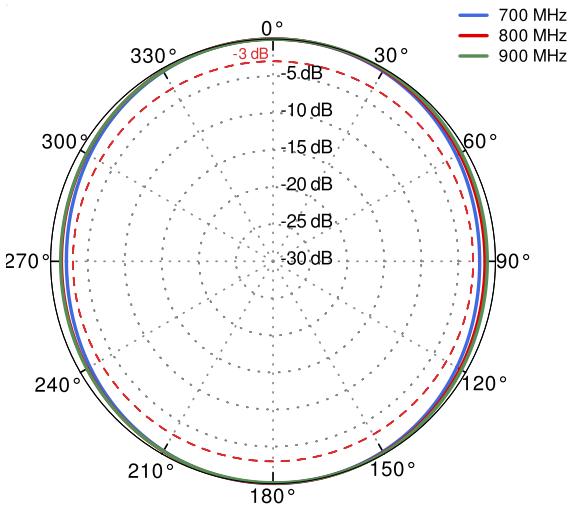
## From 700MHz to 900MHz

ELEVATION

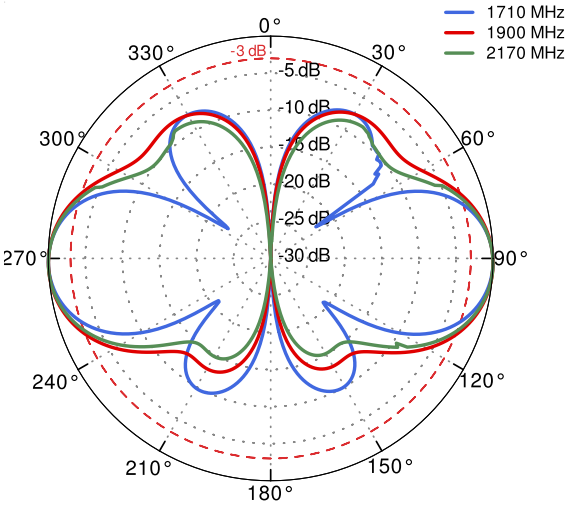



AZIMUTH




## From 1.71GHz to 2.17GHz

ELEVATION

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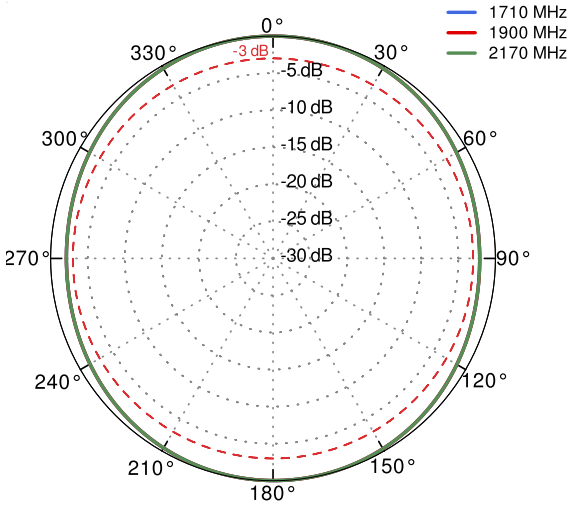



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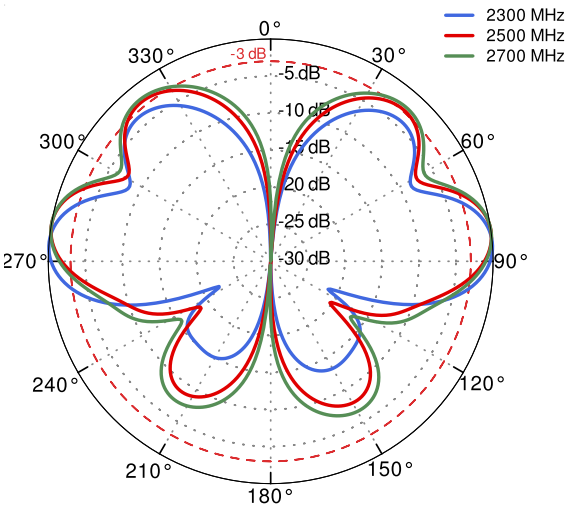
## From 2.3GHz to 2.7GHz

ELEVATION

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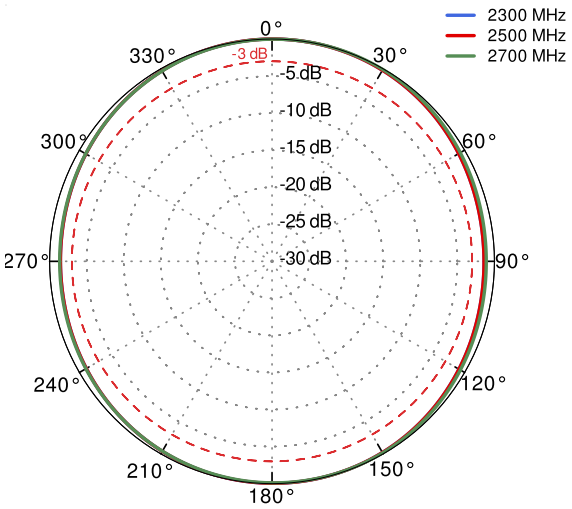
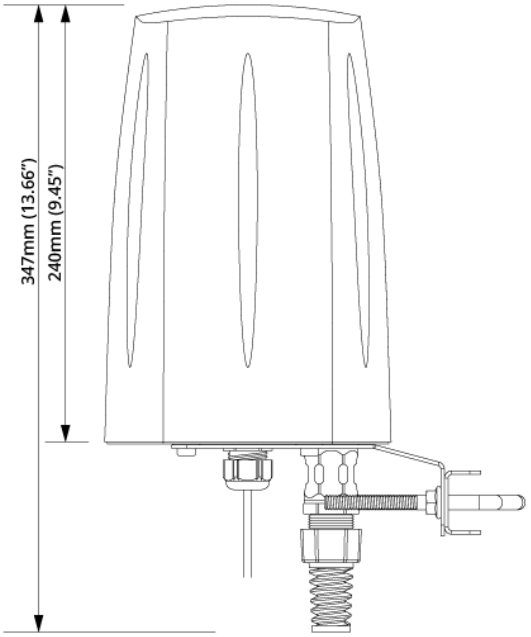
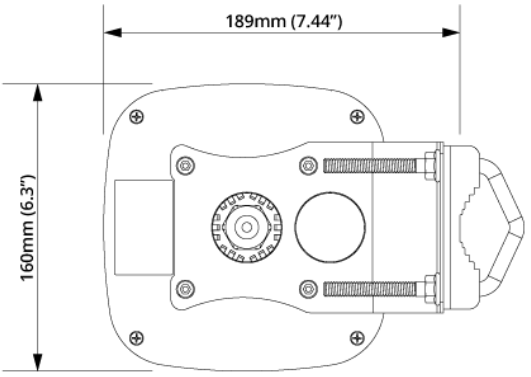



# DIMENSIONS

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