

# QuSpot for Advantech ICR-20xx & ICR-24xx

**Integrated multi-band LTE omni antenna + WiFi omni antenna + Passive PoE Splitter + place to install Advantech ICR-20xx or ICR-24xx (All-in-one)**

QuSpot omnidirectional LTE antenna for Advantech **ICR-20xx & ICR-24xx routers** is a perfect outdoor device for mobile and fixed installations e.g. CCTV, hotspots, industrial areas, campervans, ships etc.. In addition to having omnidirectional, multi-band LTE antennas, **it has also embedded omnidirectional Wi-Fi antenna**. If you use ICR-20xx or ICR-24xx with QuSpot antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

The set contains a [PoE splitter](#), allowing you to split data and power from a single Ethernet cable and maintain gigabit transfer speeds while protecting the LAN port from damage caused by overvoltage, short circuit or improper connection.

**5G****BAND 71****617-6000MHz****Wi Fi 2.4GHz****5 dBi****OMNI DIRECTIONAL****IP 67****-40° TO +80°**

OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP67



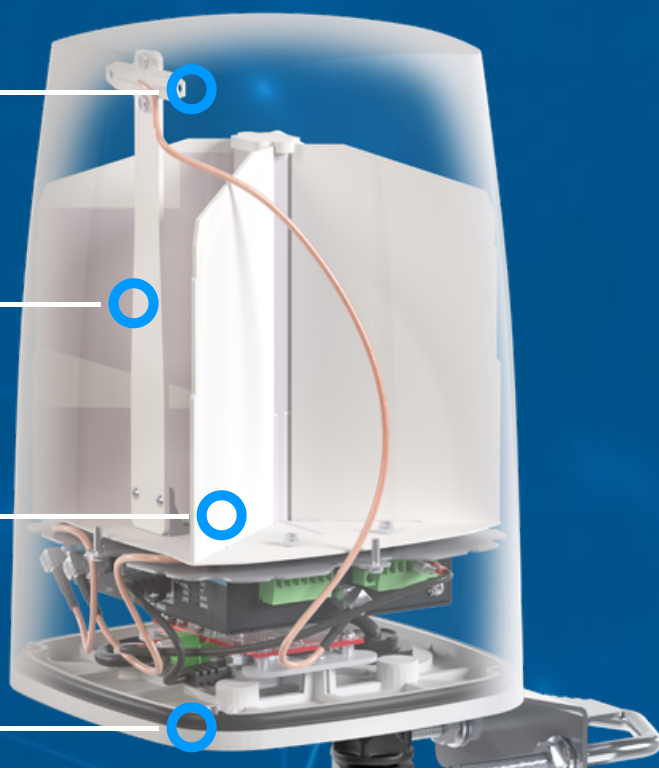
ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER



WALL OR MAST MOUNTING SYSTEM



MADE IN **EUROPE**



## LTE ANTENNA SPECIFICATION

|                     |  |
|---------------------|--|
| FREQUENCY           | 617 - 960 MHz<br>1.71 - 2.7 GHz<br>3.3 - 6.0 GHz   |
| GAIN                | 617 - 960 MHz : 3 dBi<br>1.7 - 2.7 GHz : 4 dBi<br>3.3 - 6.0 GHz : 4.5dBi   |
| SUPPORTED LTE BANDS | 1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 106                                       |
| SUPPORTED 5G BANDS  | n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n53, n65, n66, n67, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256 |
| VSWR                | <1.80, max <2.00   |
| BEAMWIDTH           | 360°/35° ±5°   |
| POLARIZATION        | Vertical   |
| IMPEDANCE           | 50 $\Omega$  |

## WI-FI ANTENNA SPECIFICATION

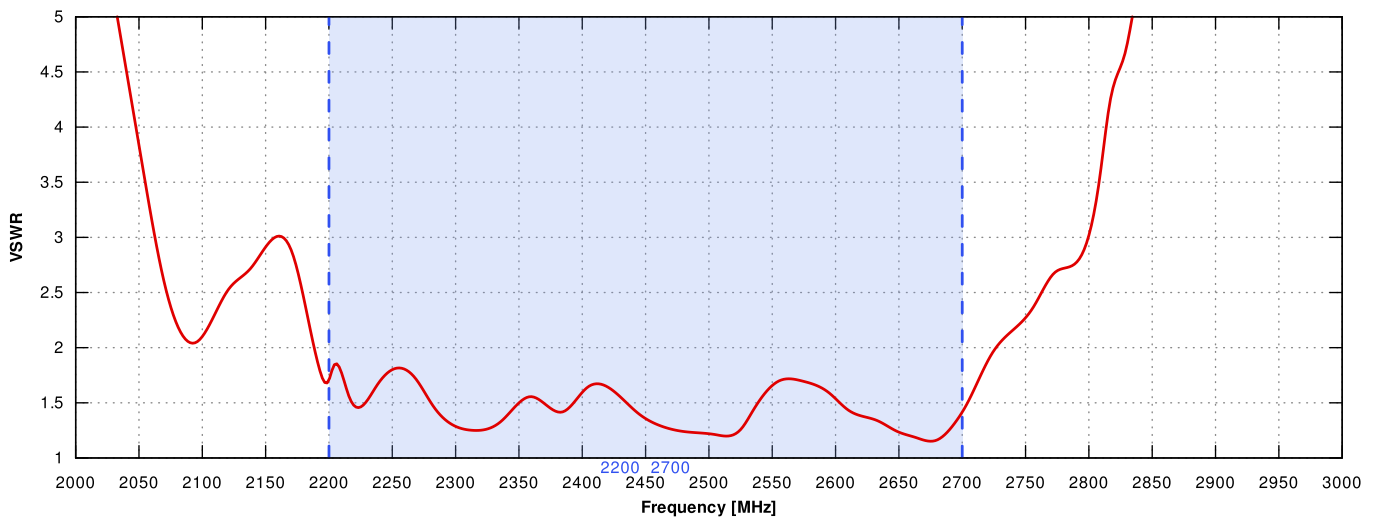
|              |                  |
|--------------|------------------|
| FREQUENCY    | 2.4 - 2.5 GHz    |
| GAIN         | 3 dBi            |
| VSWR         | <1.70, max <2.00 |
| BEAMWIDTH    | 360°/25° ±5°     |
| POLARIZATION | Vertical         |
| IMPEDANCE    | 50 $\Omega$      |

## MECHANICAL SPECIFICATION

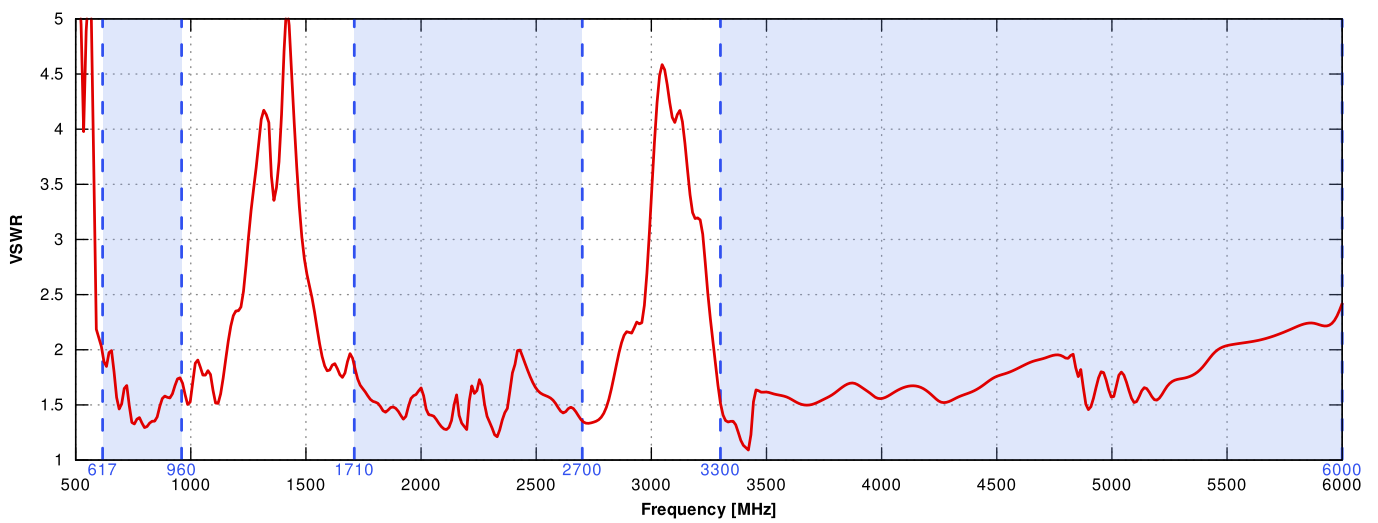
|                       |   |
|-----------------------|---|
| MATERIALS             | ABS, aluminum, PTFE                         |
| CONNECTOR TYPE        | RJ45  |
| INGRESS PROTECTION    | IP67  |
| DIMENSIONS            | 160 x 160 x 240 mm<br>6.3 x 6.3 x 9.45 inch |
| WEIGHT                | 1.5 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                  |

## PLOTS

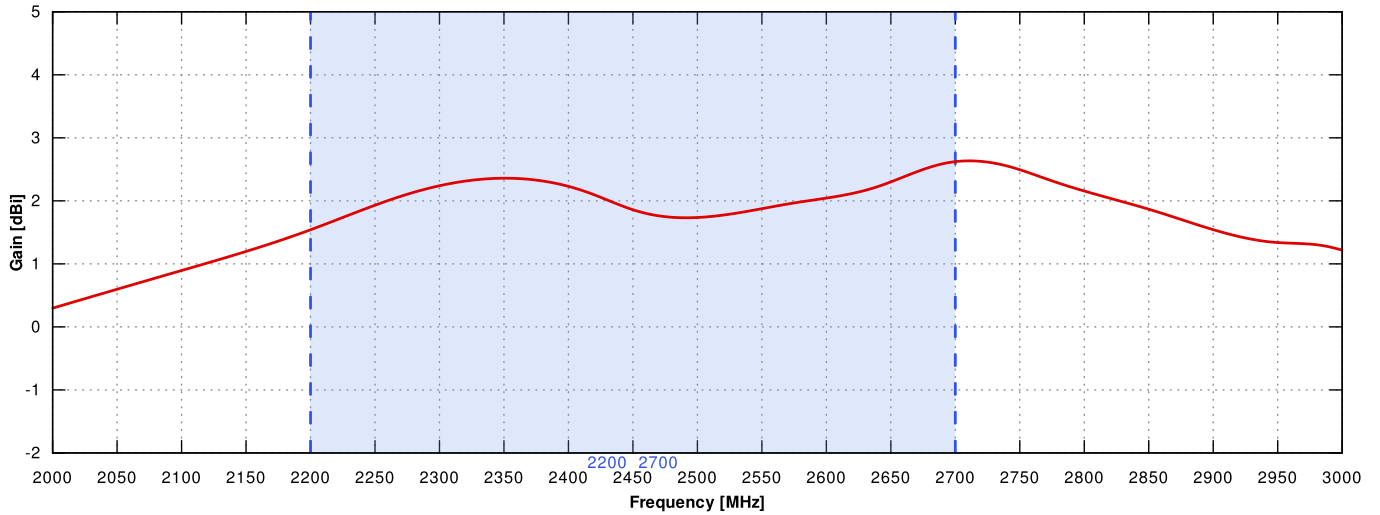
VSWR for Wi-Fi antenna



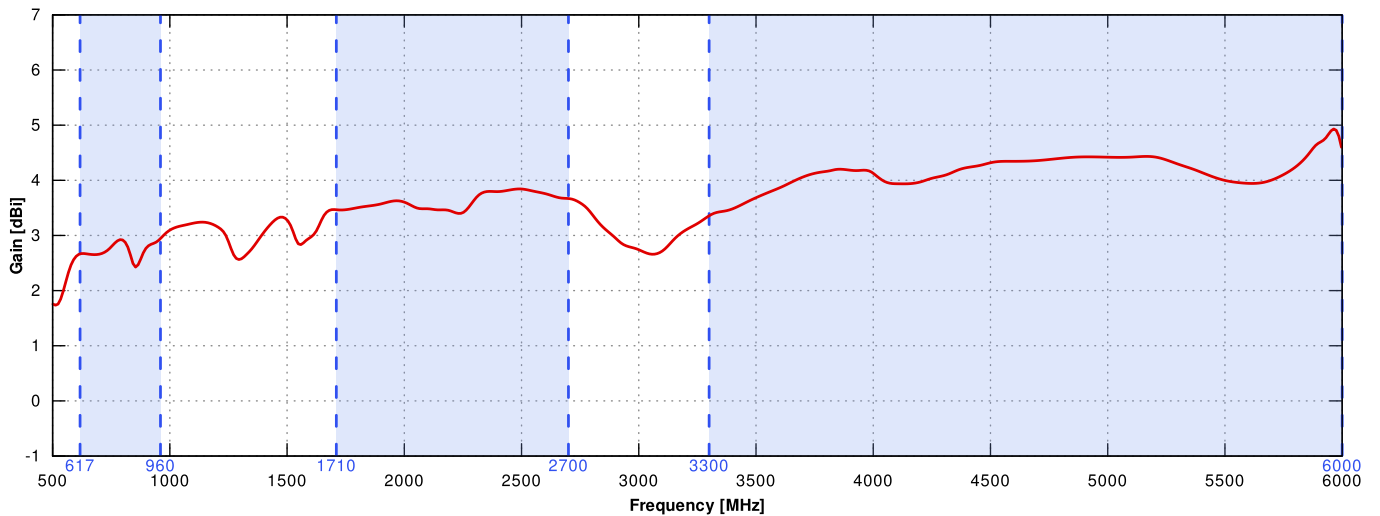
VSWSR for LTE antenna



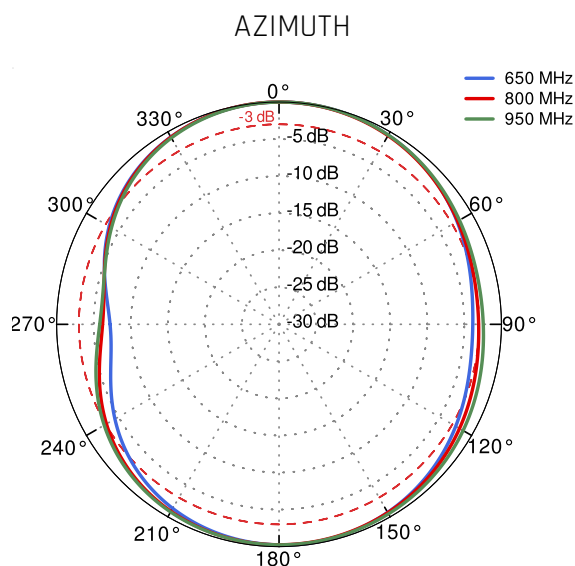
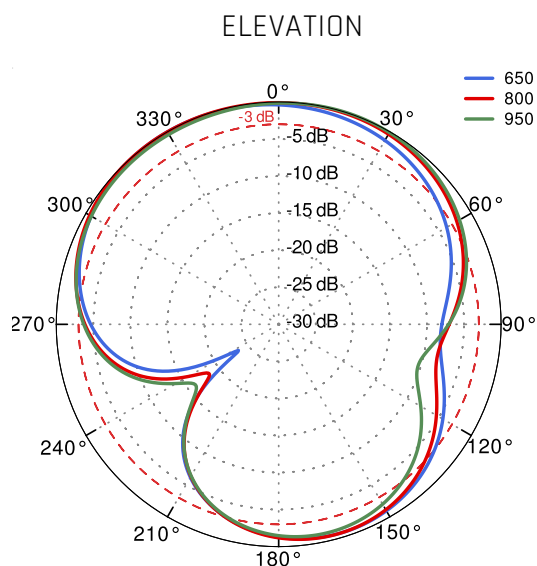
## Gain for Wi-Fi antenna



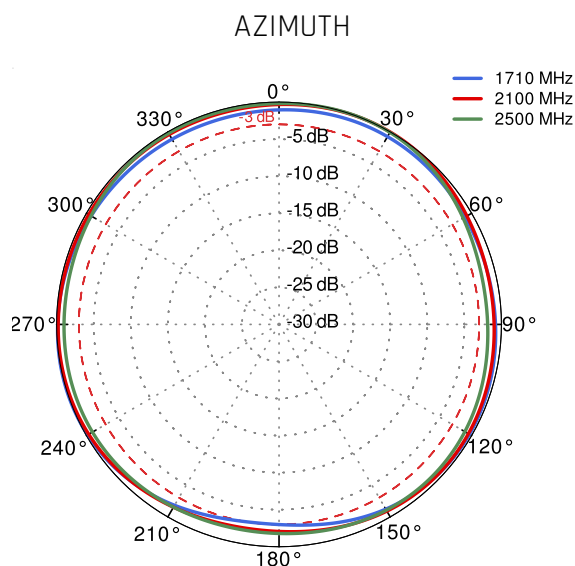
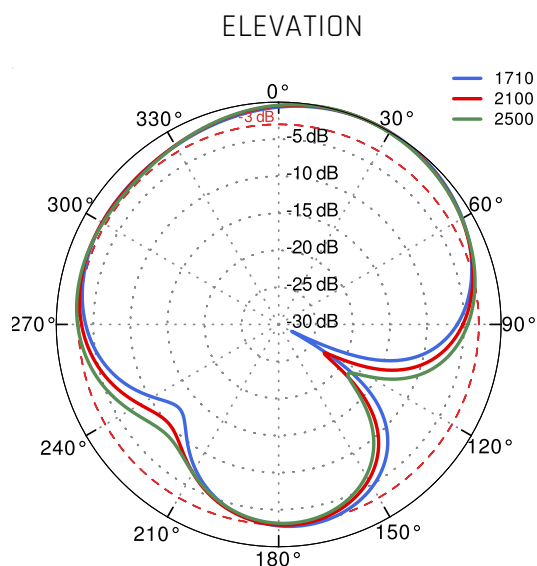
## Gain for LTE antenna



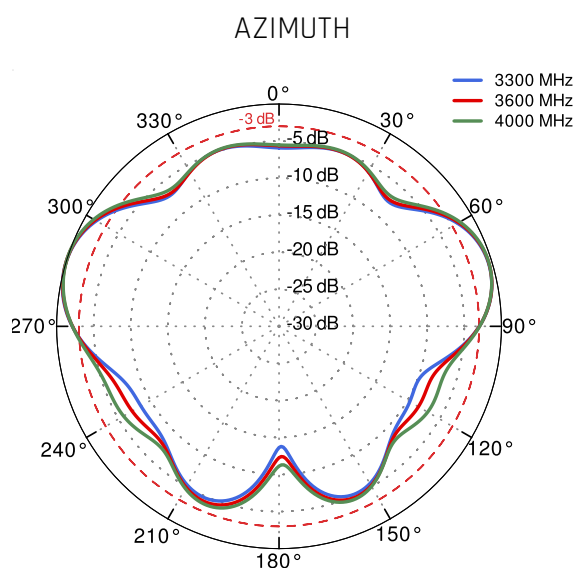
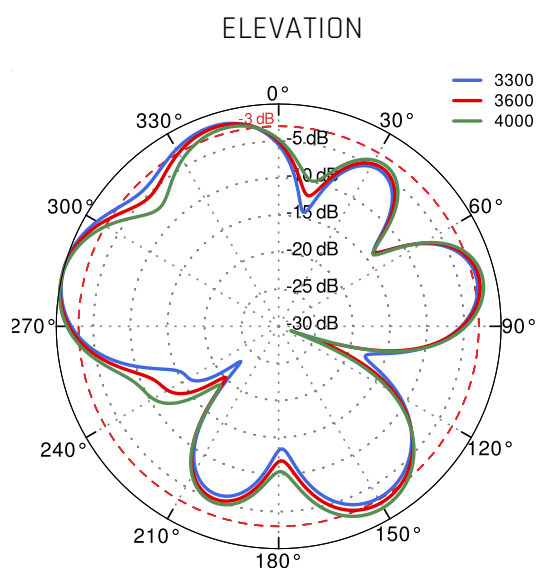
## LTE from 650MHz to 950MHz



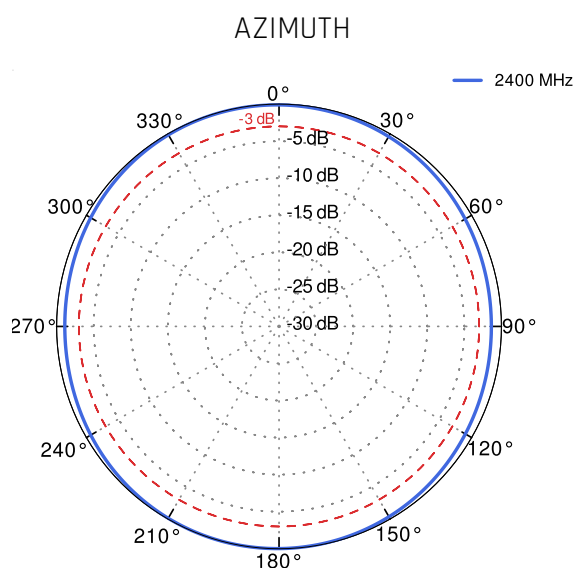
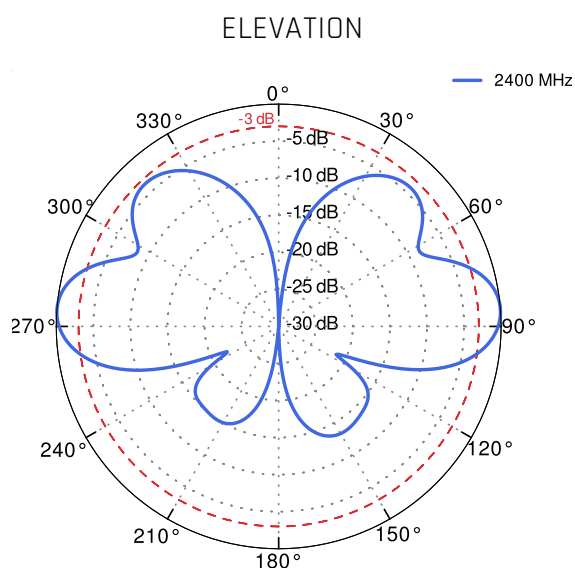
## LTE from 1.71GHz to 2.5GHz



## LTE from 3.3GHz to 4.0GHz



## Wi-Fi 2.4GHz and 5GHz



## DIMENSIONS

