

# 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 [Passive 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****WiFi 2.4GHz****5 dBi****OMNI DIRECTIONAL****IP 68****-40° TO +80°**

OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP68



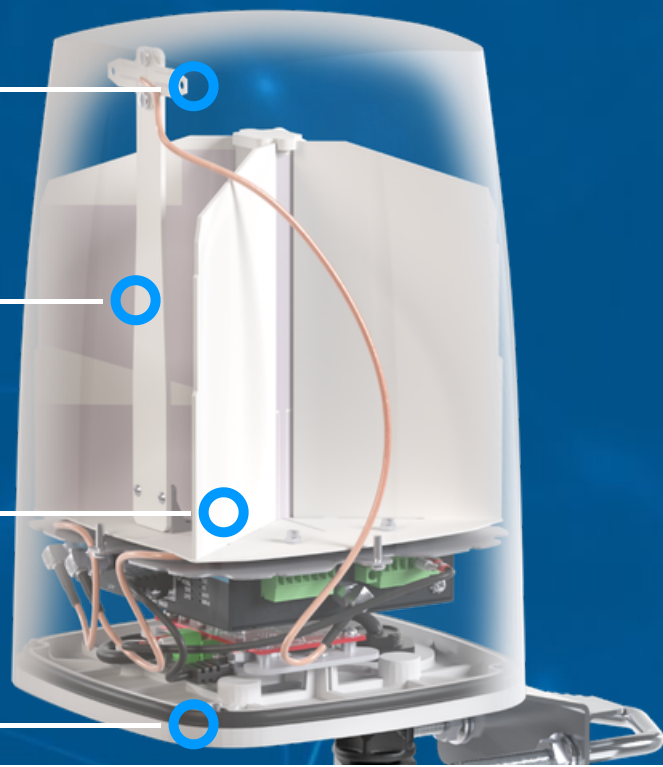
ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER



WALL OR MAST MOUNTING SYSTEM



MADE IN **EUROPE**



## LTE ANTENNA SPECIFICATION

<b>FREQUENCY</b>	617 - 960 MHz 1.71 - 2.7 GHz 3.3 - 6.0 GHz
<b>GAIN</b>	617 - 960 MHz : 3 dBi 1.7 - 2.7 GHz : 4 dBi 3.3 - 6.0 GHz : 4.5dBi
<b>SUPPORTED LTE BANDS</b>	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
<b>SUPPORTED 5G BANDS</b>	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
<b>VSWR</b>	<1.80, max <2.00
<b>BEAMWIDTH</b>	360°/35° ±5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## WI-FI ANTENNA SPECIFICATION

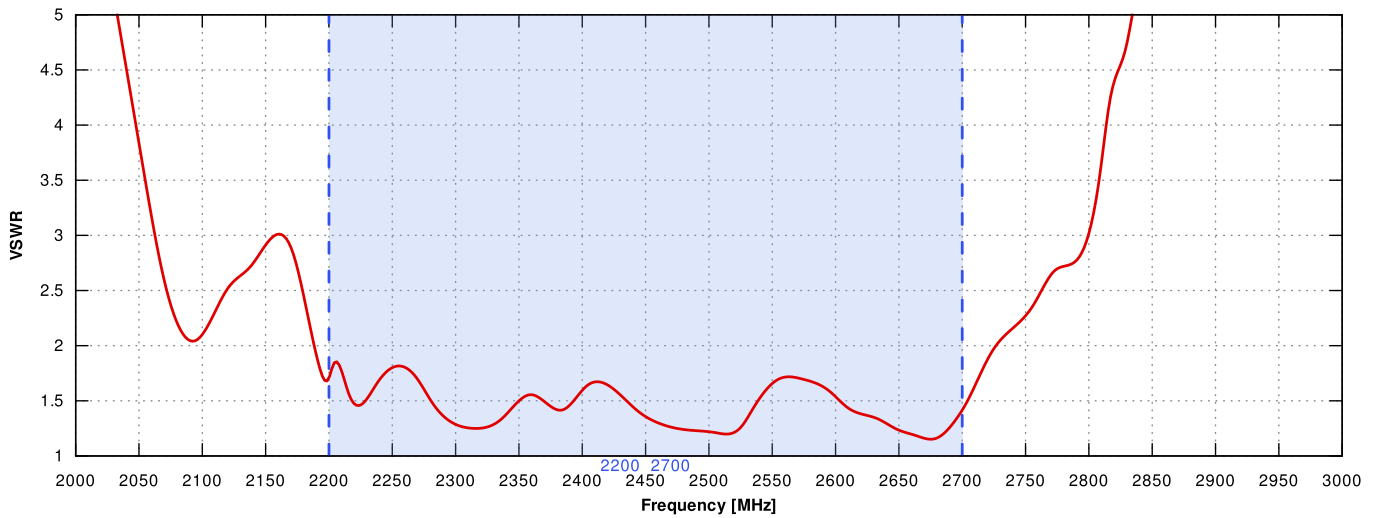
<b>FREQUENCY</b>	2.4 - 2.5 GHz
<b>GAIN</b>	3 dBi
<b>VSWR</b>	<1.70, max <2.00
<b>BEAMWIDTH</b>	360°/25° ±5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## MECHANICAL SPECIFICATION

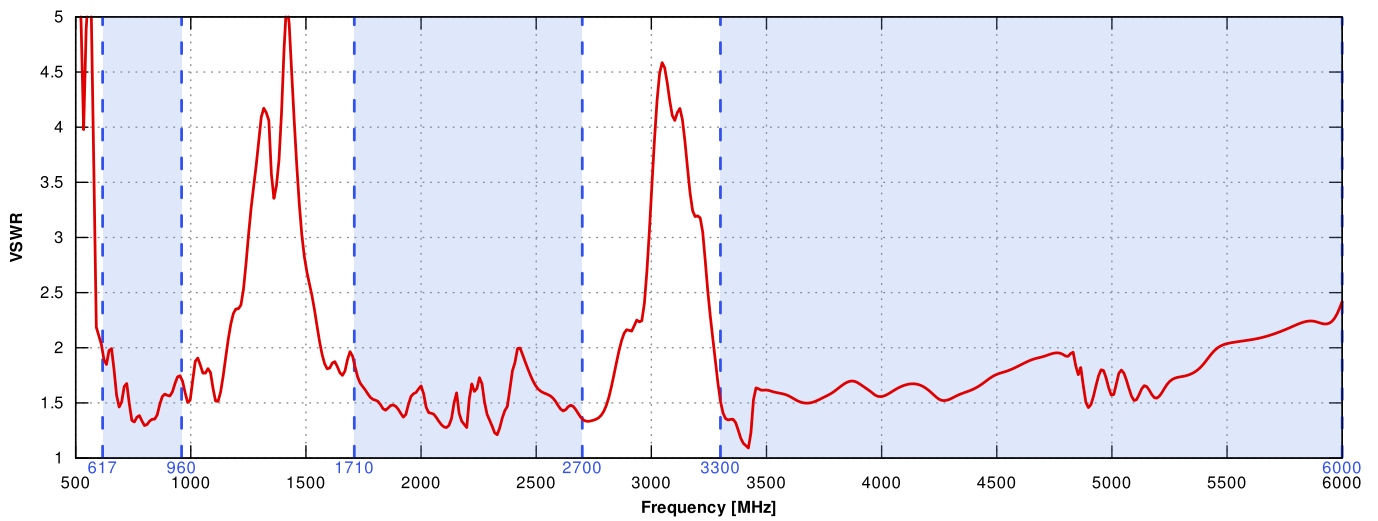
<b>MATERIALS</b>	ABS, aluminum, PTFE
<b>CONNECTOR TYPE</b>	RJ45
<b>INGRESS PROTECTION</b>	IP68
<b>DIMENSIONS</b>	160 x 160 x 240 mm 6.3 x 6.3 x 9.45 inch
<b>WEIGHT</b>	1.5 kg 3.31 lbs
<b>OPERATING TEMPERATURE</b>	From -40°C to 80°C From -40°F to 176°F
<b>ENCLOSURE RECOMMENDED TIGHTENING TORQUE</b>	0.5 - 0.7 Nm
<b>MAST DIAMETER</b>	25-66 mm 0.98-2.60 inch

# PLOTS

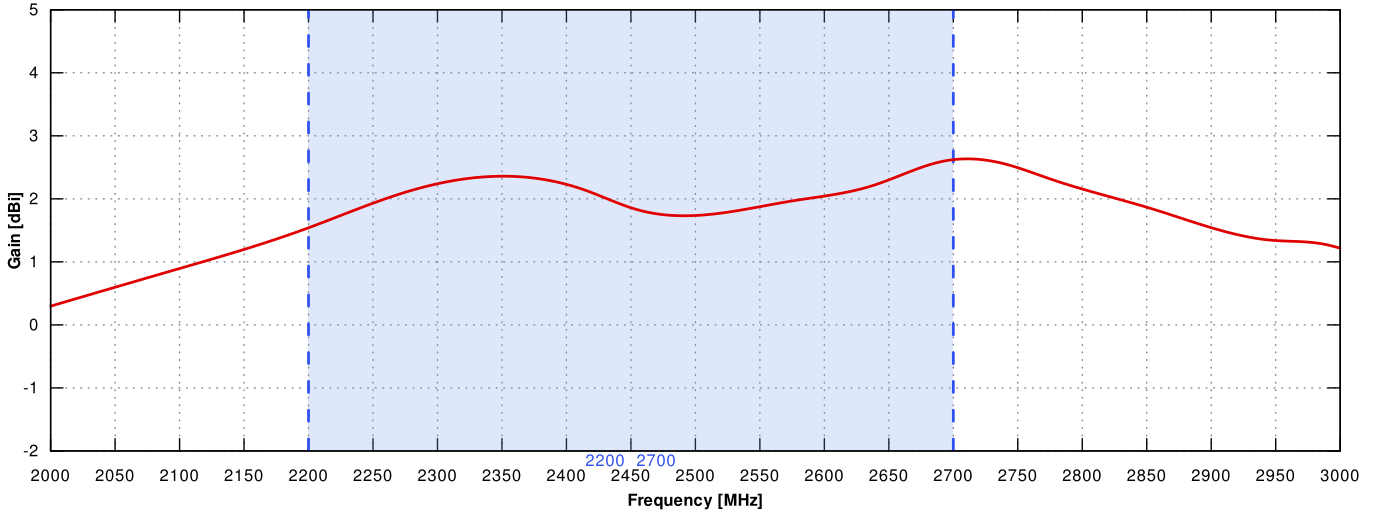
VSWR for Wi-Fi antenna



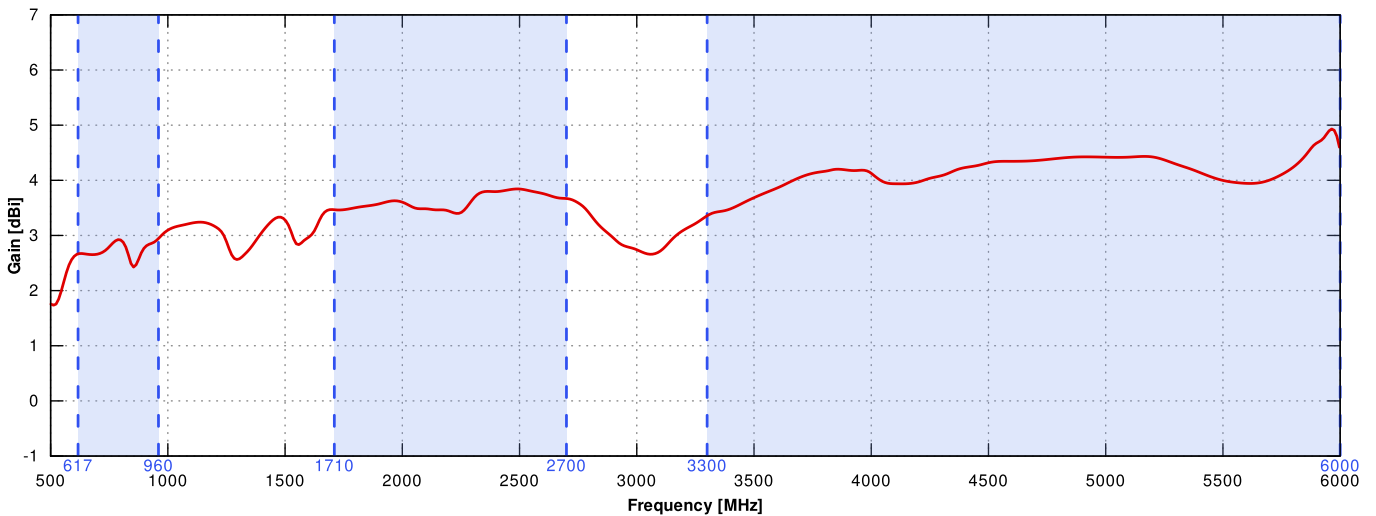
VSWR for LTE antenna



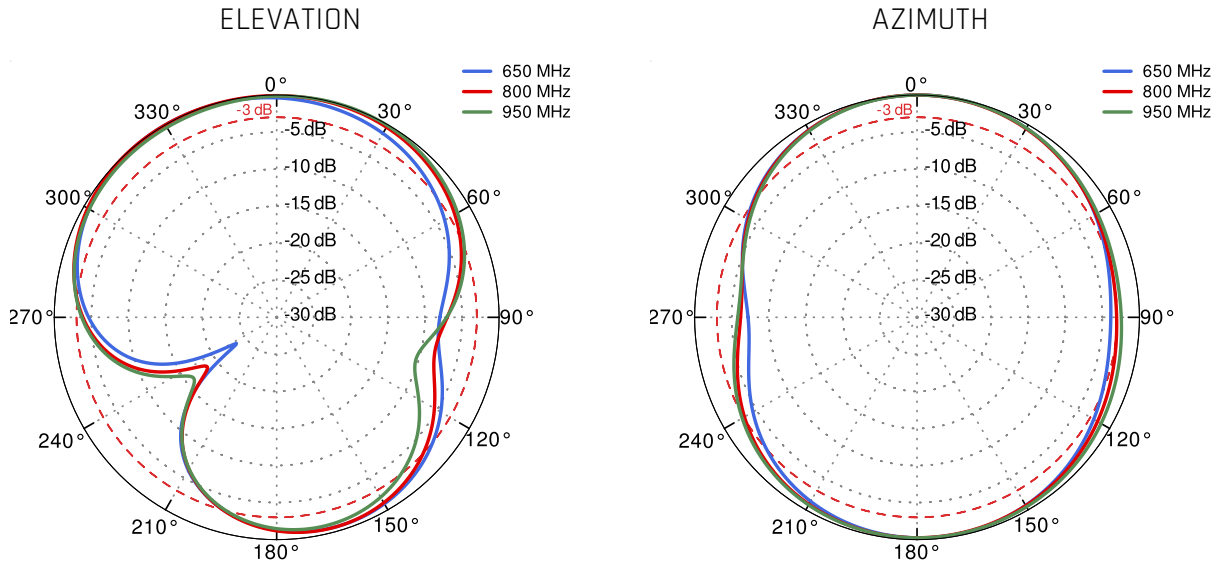
Gain for Wi-Fi antenna



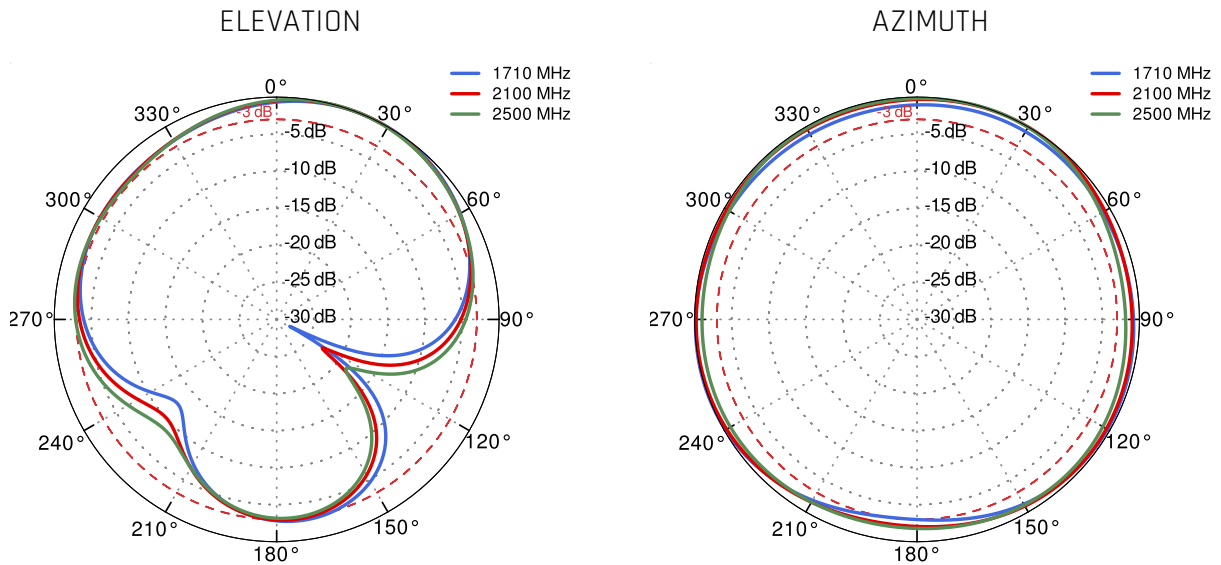
Gain for LTE antenna



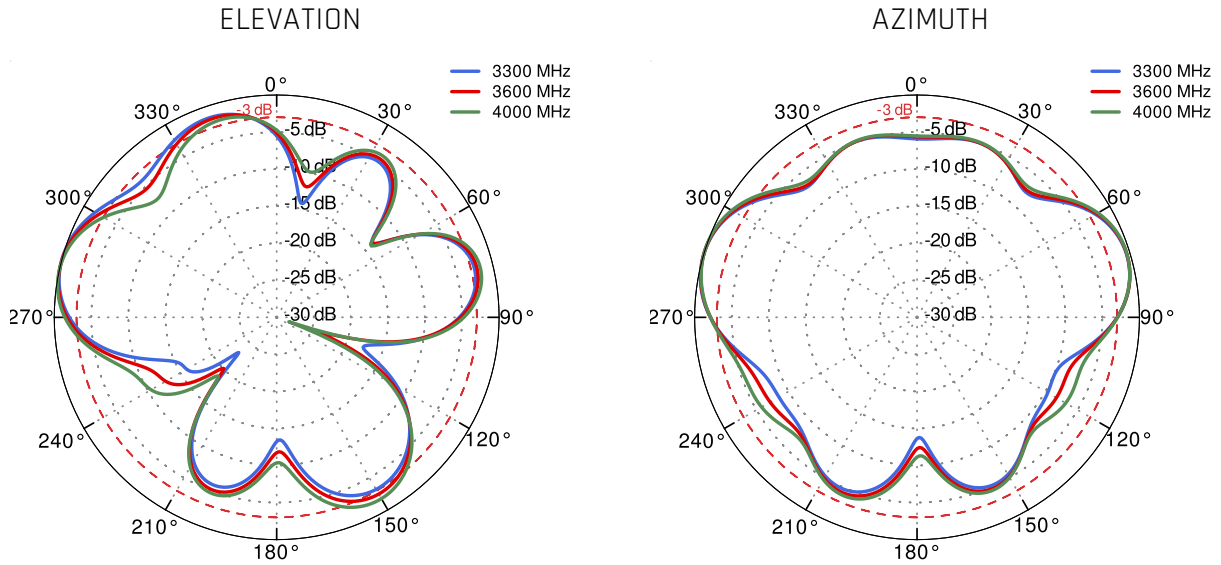
LTE from 650MHz to 950MHz



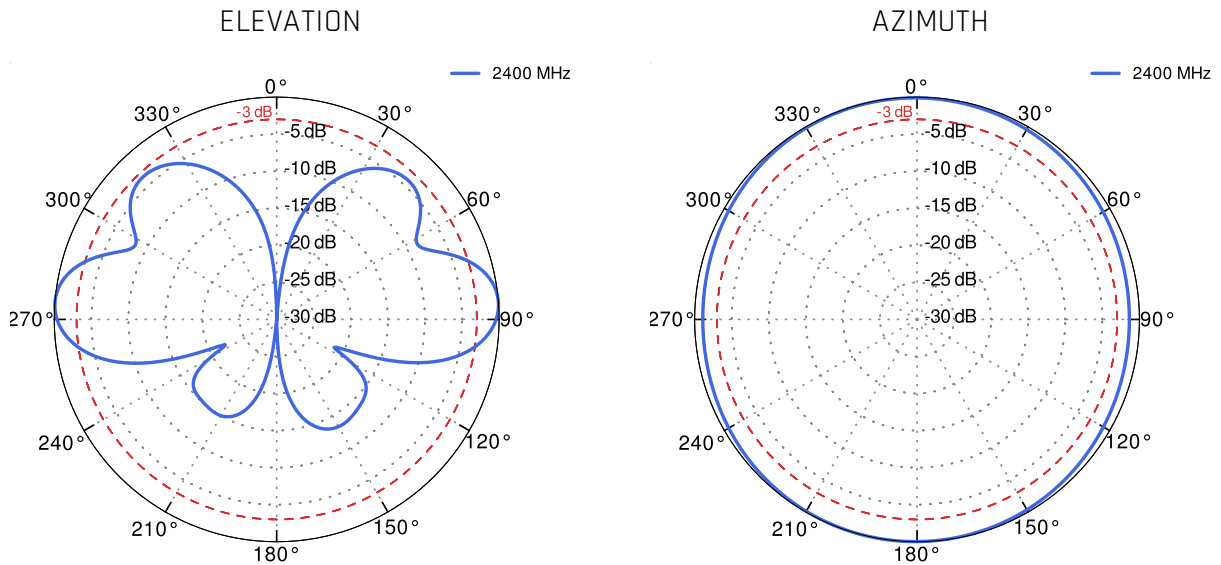
LTE from 1.71GHz to 2.5GHz



LTE from 3.3GHz to 4.0GHz



Wi-Fi 2.4GHz and 5GHz



## DIMENSIONS

