

# QuSpot for Teltonika TRB500

## INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + PLACE TO INSTALL TELTONIKA TRB500 (ALL-IN-ONE)

**QuSpot for TRB500** is an outdoor antenna designed to provide reliable wireless connectivity in a variety of environments. This product is an all in one solution that integrates a high gain omnidirectional 5G antennas with RUTX50 into a single IP67 enclosure. Such integration allows implementation of new outdoor TRB500 solutions. QuSpot for TRB500 is an ideal solution for outdoor wireless connectivity in moving applications such as transportation, yachting, boats and camping but also city centres with high signal density. 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. **NOTE:** should only be used with a 24V (or lower voltage) Passive PoE power supply it is not compatible with an 802.3af/at power source!



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



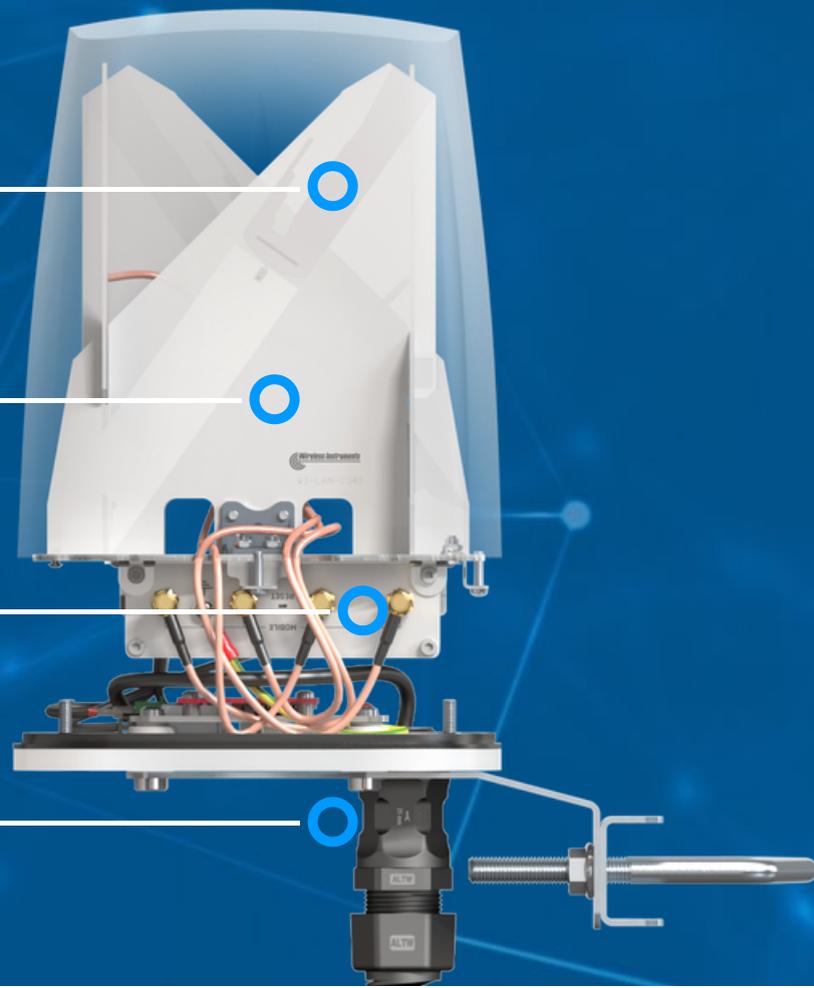
ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER



PASSIVE **POE SUPPORT** WITH GIGABIT SPLITTER



MADE IN **EUROPE**



## 5G ANTENNA SPECIFICATION

<b>FREQUENCY</b>	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.3 GHz
<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, 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, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
<b>GAIN</b>	617 - 960 MHz : 2 dBi 1.7 - 2.7 GHz : 4 dBi 3.3 - 4.3 GHz : 4.5 dBi
<b>VSWR</b>	<2.00, max <2.50
<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>	IP67
<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 75°C From -40°F to 167°F
<b>MAST DIAMETER</b>	40-60 mm 1.57-2.36 inch

## POE SPECIFICATION

<b>POE TYPE</b>	Passive PoE up to 24V, not compatible with an 802.3af/at power source!
<b>POE IN MODE</b>	Mode type: B
<b>IEEE STANDARD</b>	IEEE 802.3ab 1000Base-T Gigabit Ethernet

# FREQUENCY BANDS

LTE / 4G

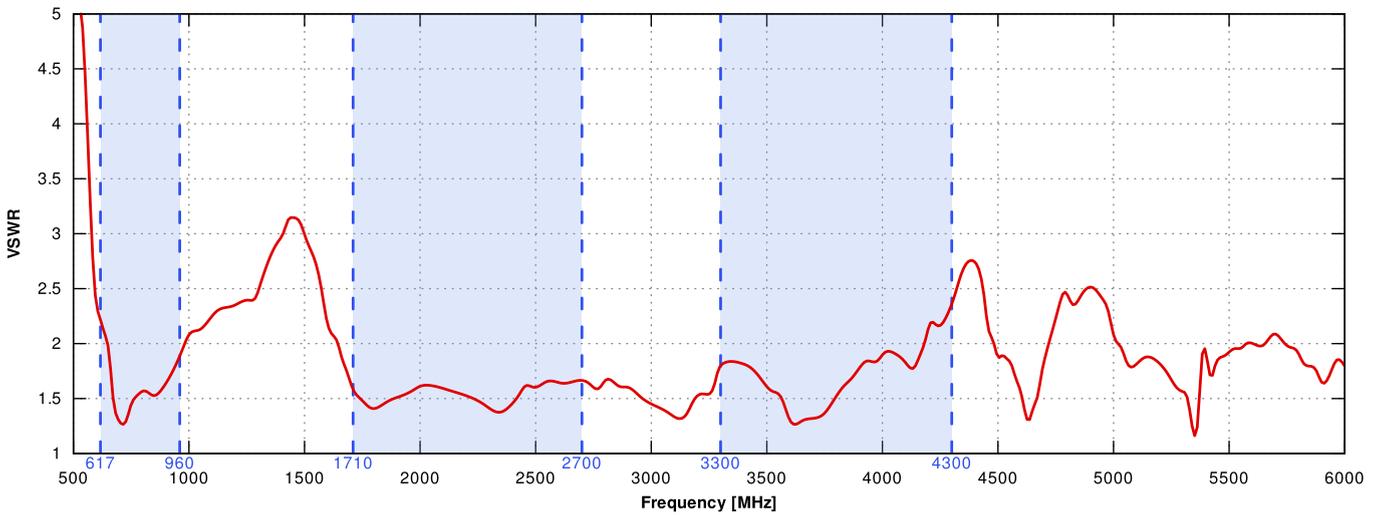
	1	2	3	4	5	7	8	
	9	10	12	13	14	17	18	
	19	20	22	25	26	27	28	
617 MHz	29	30	33	34	35	36	37	4300 MHz
	38	39	40	41	42	43	44	
	48	49	52	53	65	66	67	
	68	69	71	85	103	106		

5G

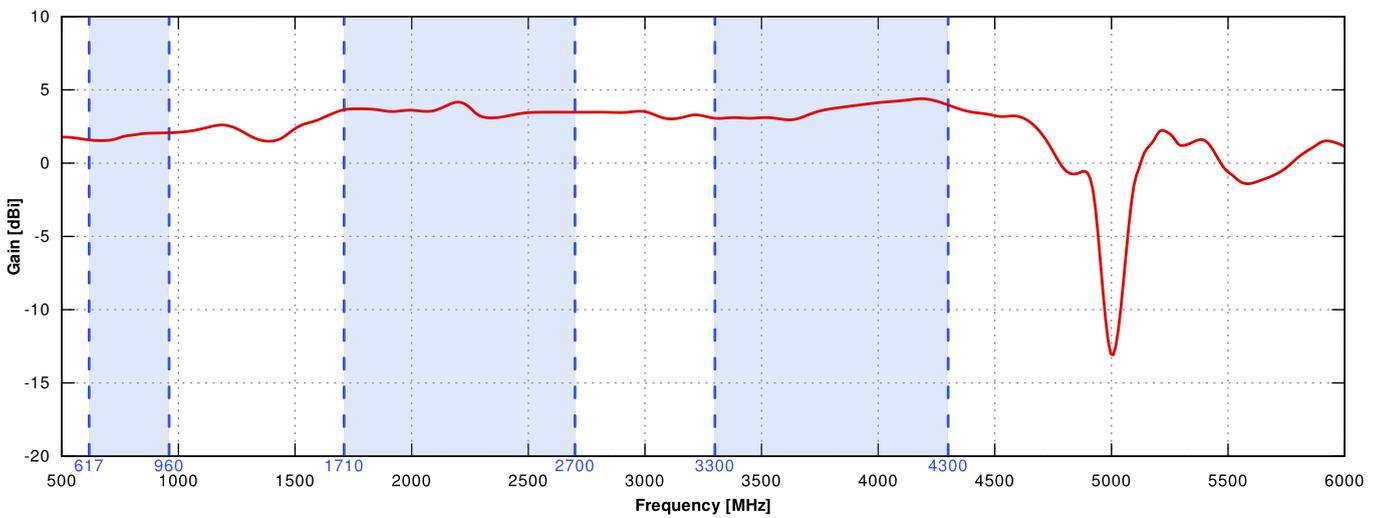
	n1	n2	n3	n5	n7	n8	n12	
	n13	n14	n18	n20	n25	n26	n28	
	n29	n30	n34	n38	n39	n40	n41	
617 MHz	n48	n53	n65	n66	n67	n71	n77	4300 MHz
	n78	n80	n81	n82	n83	n84	n85	
	n86	n89	n90	n95	n97	n98	n100	
	n101	n256						

# PLOTS

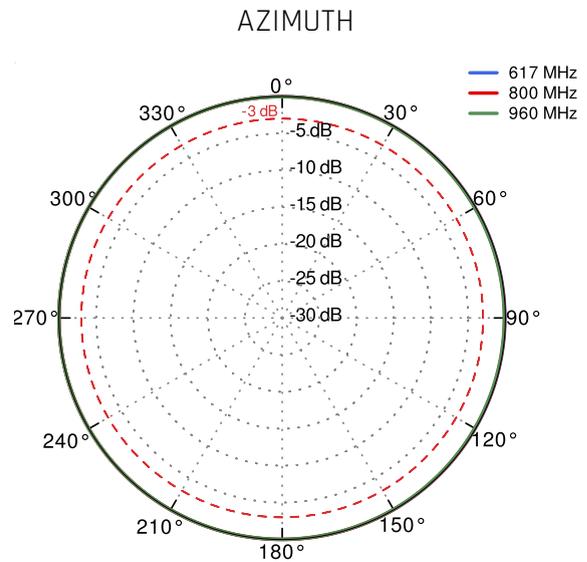
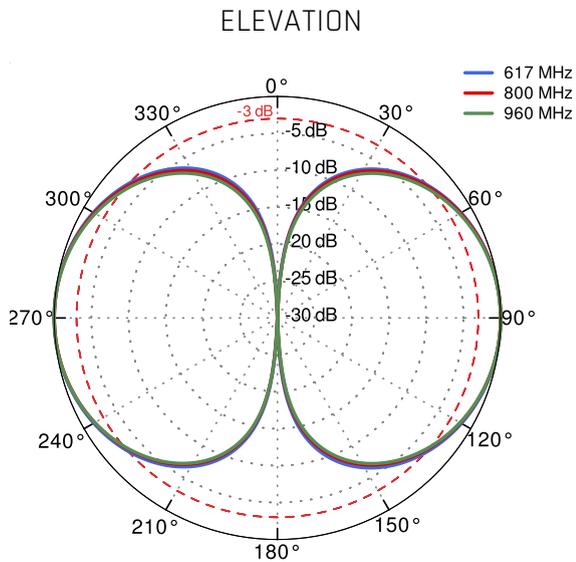
VSWR for 5G/LTE antenna



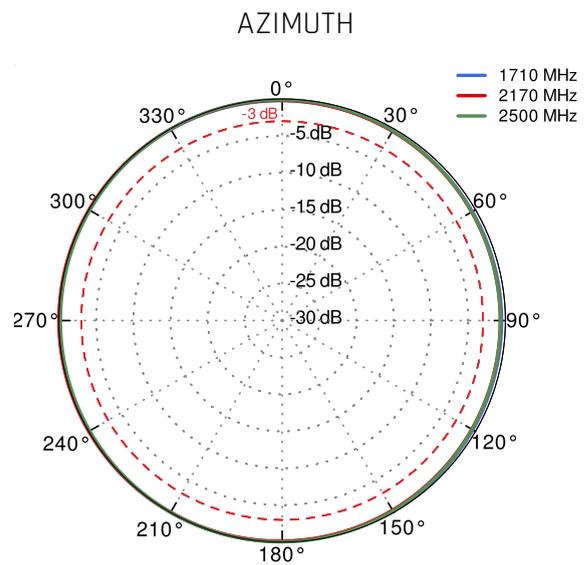
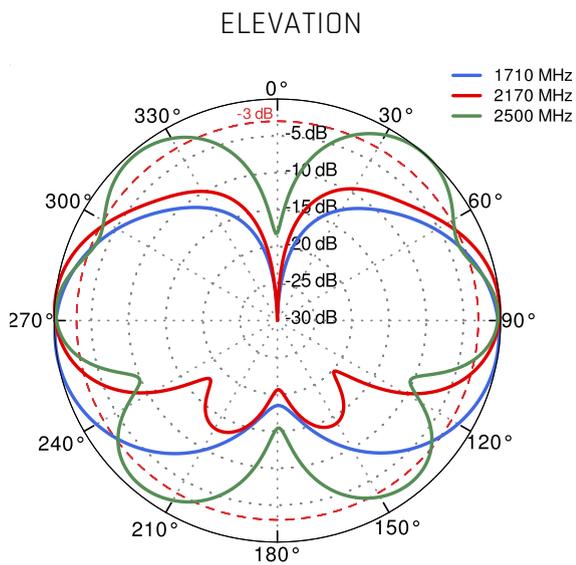
Gain for 5G/LTE antenna



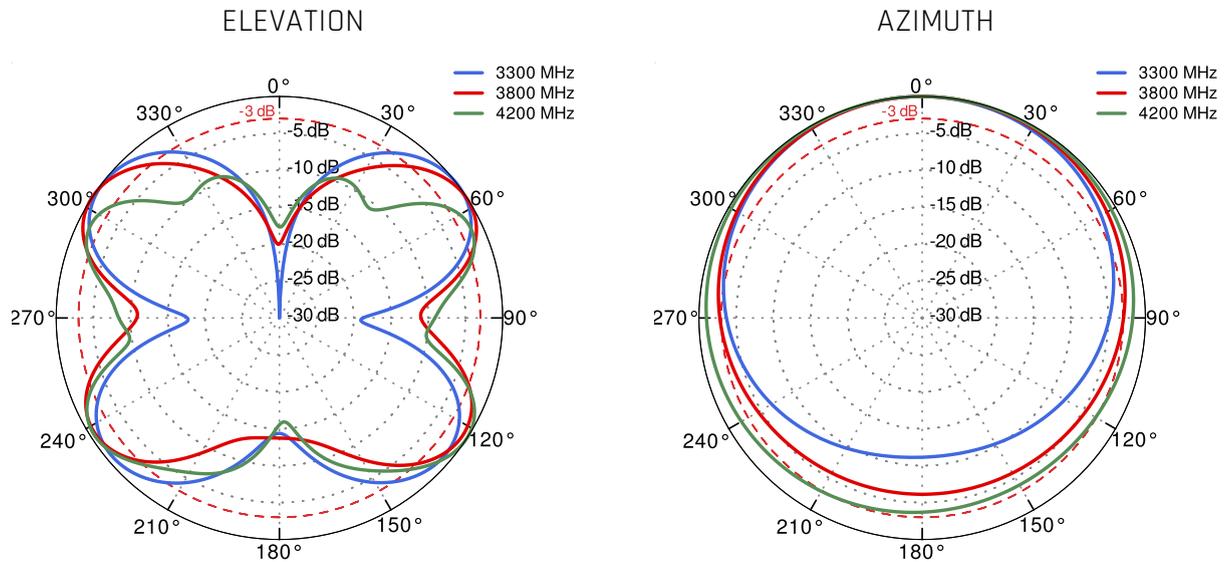
### 5G/LTE from 617MHz to 960MHz



### 5G/LTE from 1.71GHz to 2.5GHz



5G/LTE from 3.3GHz to 4.2GHz



## DIMENSIONS

