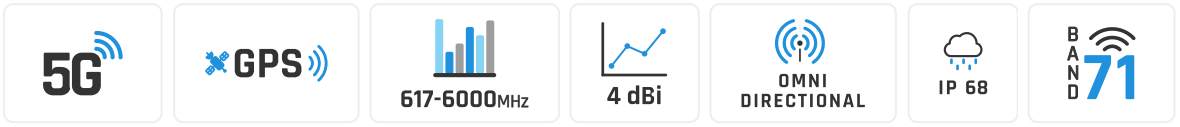
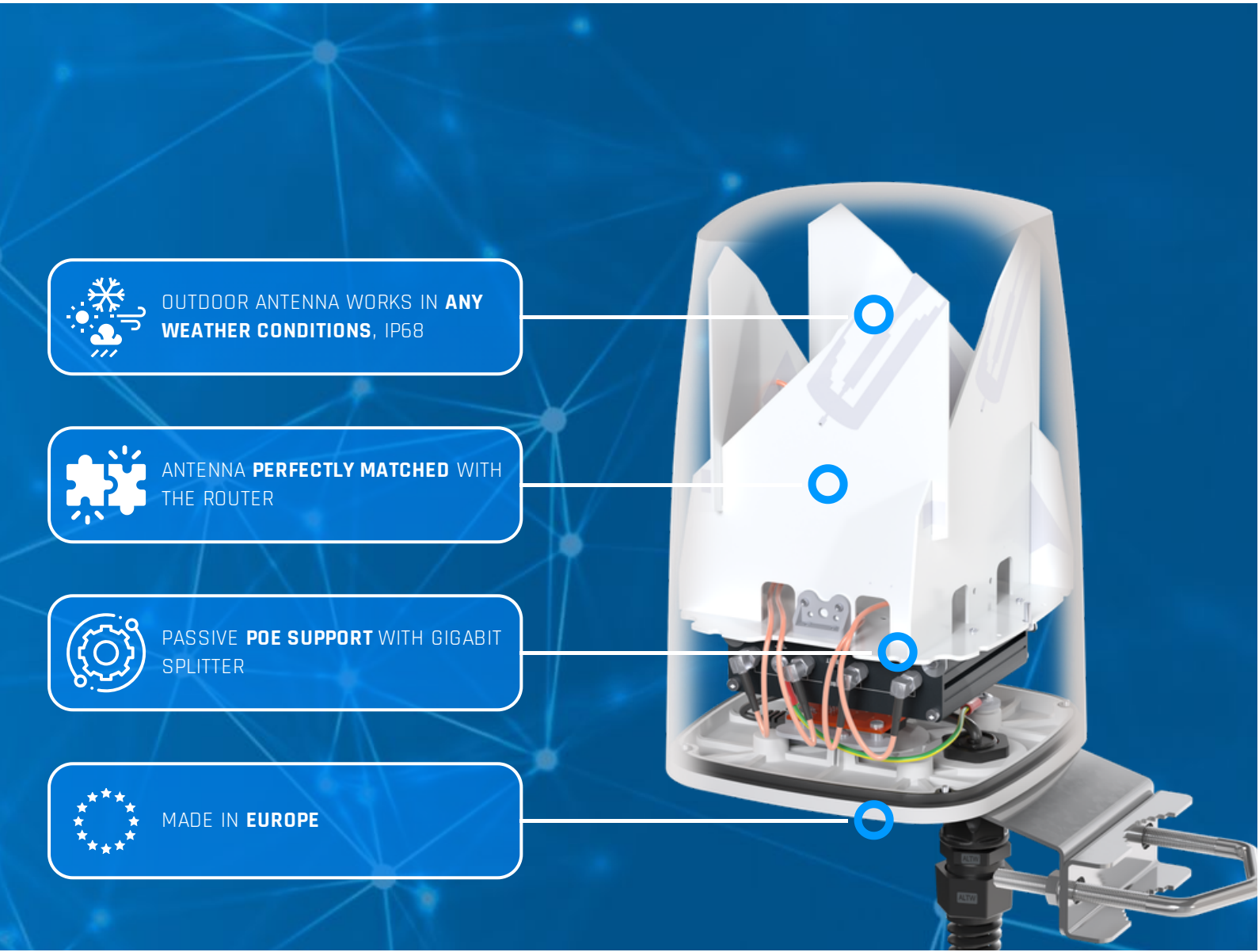
QuSpot for Teltonika TRB500

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 TRB500 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!





5G ANTENNA SPECIFICATION

FREQUENCY	0.617 - 0.960 GHz 1.6 - 3.0 GHz 3.0 - 5.0 GHz 5.0 - 6.0 GHz
MAX. GAIN	0.617 - 0.960 GHz : 2 dBi 1.6 - 3.0 GHz : 4 dBi 3.0 - 5.0 GHz : 4 dBi 5.0 - 6.0 GHz : 2 dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 85, 103, 106, 111, 252, 254, 256
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, n54, n65, n66, n67, n68, n70, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n99, n100, n101, n106, n252, n254, n256
VSWR	<2.00, max <3.00
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

MECHANICAL SPECIFICATION

RADOME MATERIAL	UV-resistant ASA
OPERATING HUMIDITY	up to 100% RH
MATERIALS	aluminum, PTFE
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP68
DIMENSIONS	160 x 160 x 240 mm 6.3 x 6.3 x 9.45 inch
WEIGHT	1.5 kg 3.31 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F
MAST DIAMETER	25-66 mm 0.98-2.60 inch
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.5 - 0.7 Nm

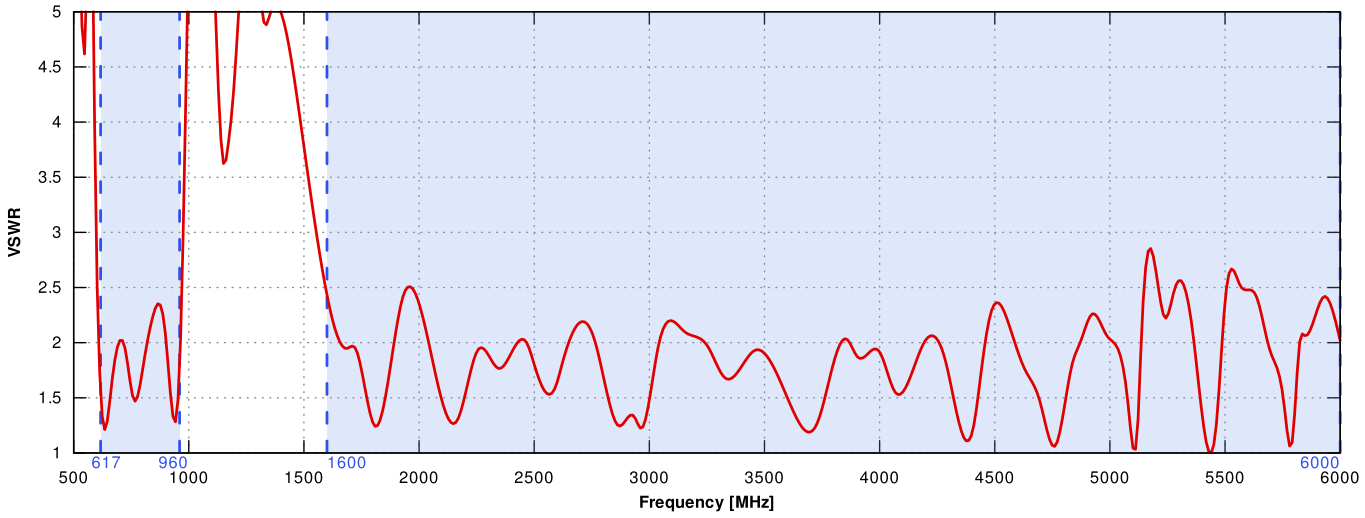
POE SPECIFICATION

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

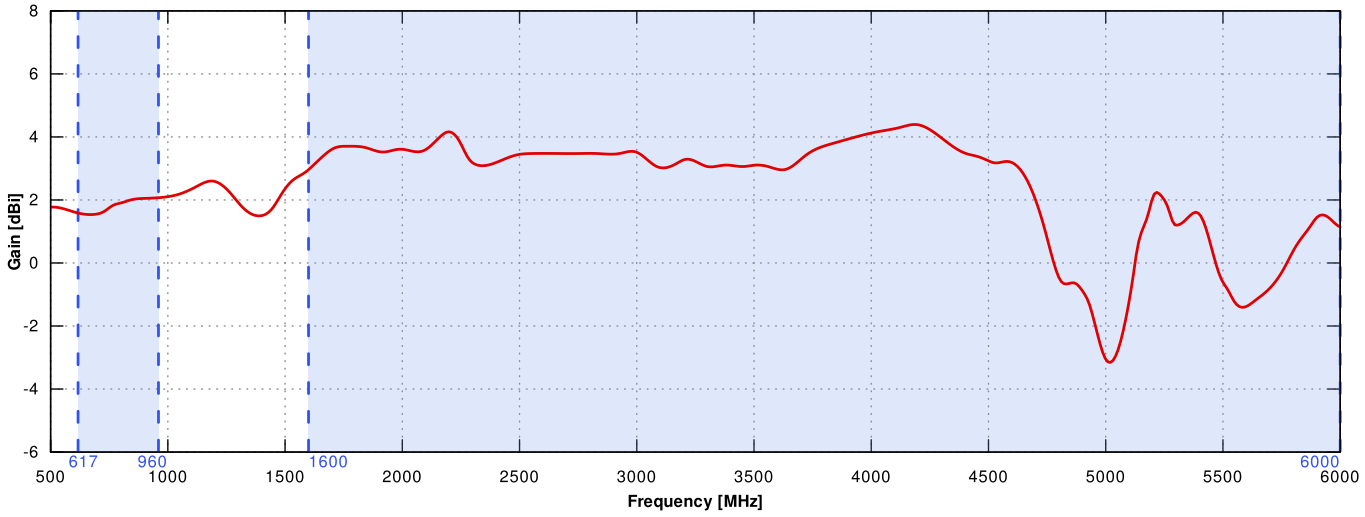
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

PLOTS

VSWR for 5G/LTE antenna



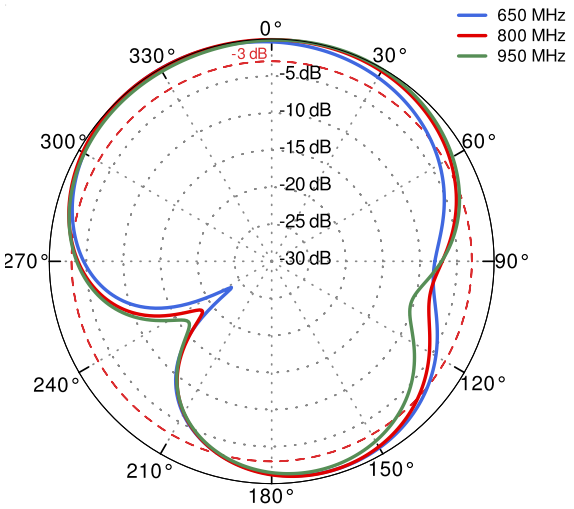
Gain for 5G/LTE antenna



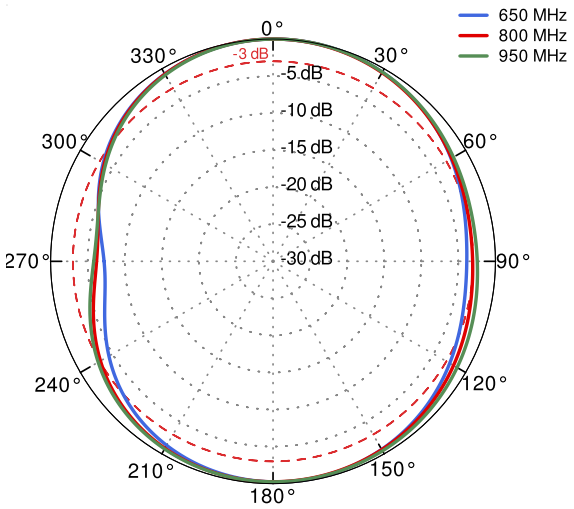
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

5G/LTE From 650MHz to 950MHz

ELEVATION

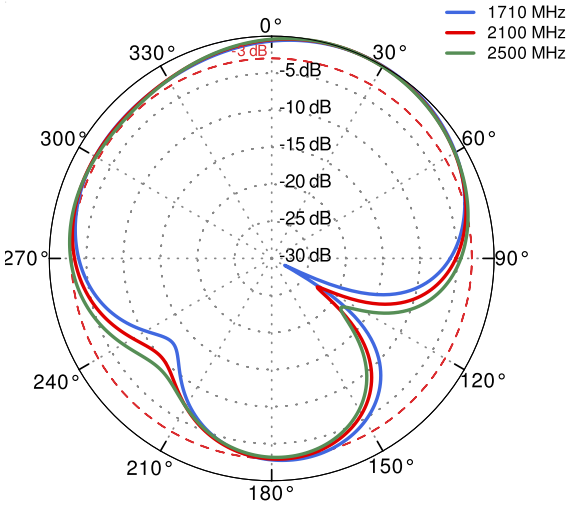


AZIMUTH

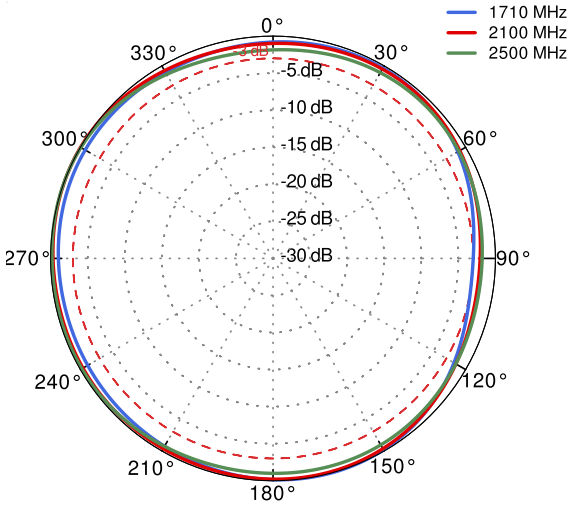


5G/LTE From 1710MHz to 2500MHz

ELEVATION



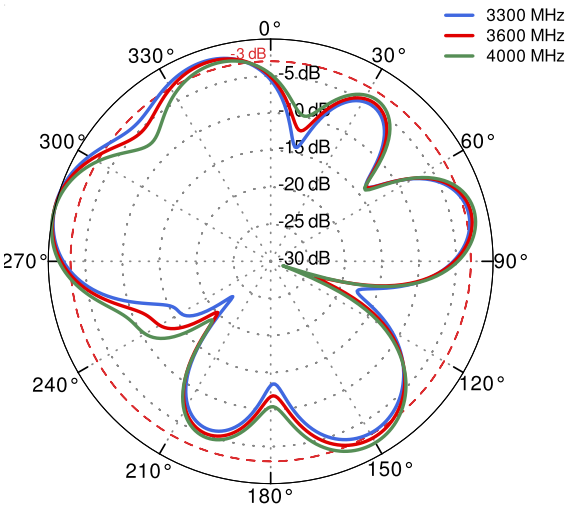
AZIMUTH



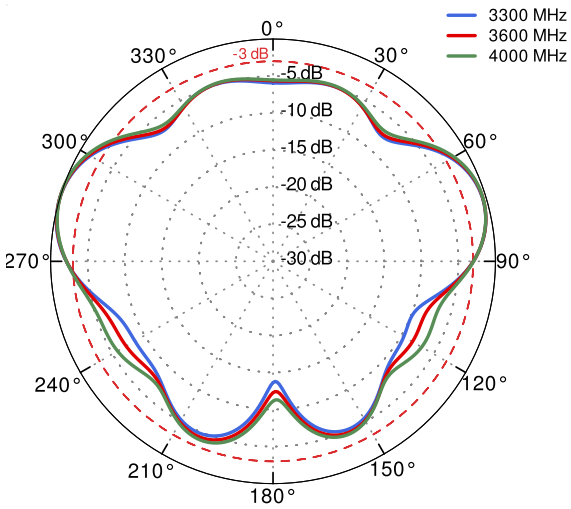
Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

5G/LTE From 3300MHz to 4000MHz

ELEVATION

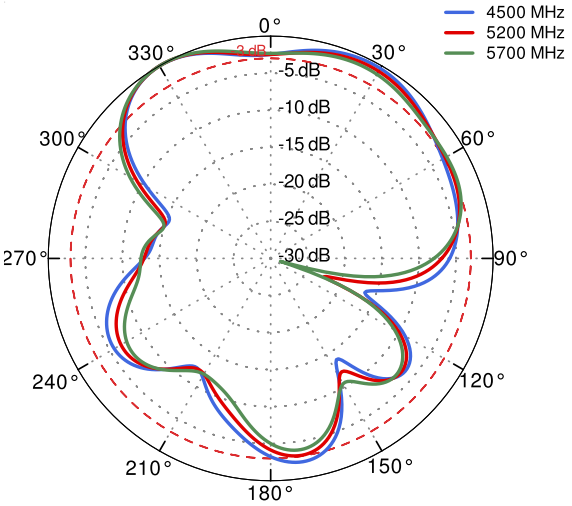


AZIMUTH

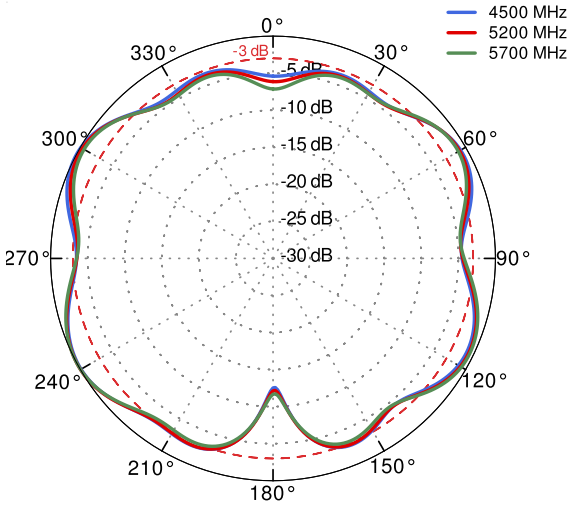


5G/LTE From 4500MHz to 5500MHz

ELEVATION

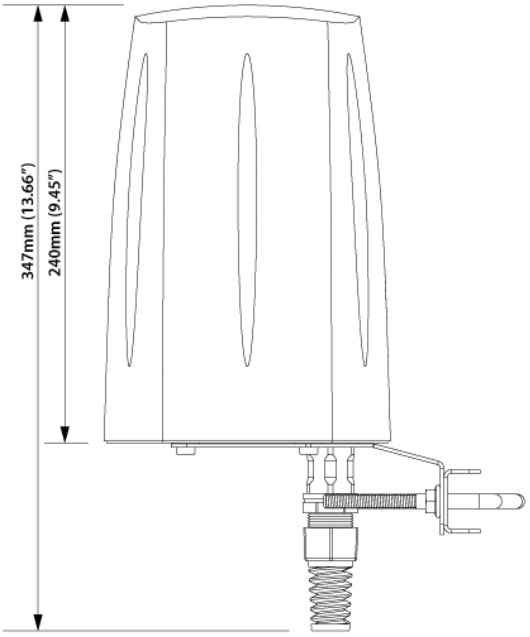


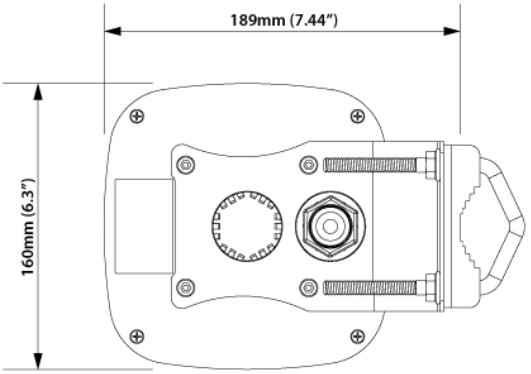
AZIMUTH



Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.

DIMENSIONS





QuWireless
WWW.QUWIRELESS.COM
Sales email: sales@quwireless.com **Tel:** +48 513 900 416
Support email: support@quwireless.com **Website:** www.quwireless.com
Address: Wireless Instruments Sp. z o.o., ul. Kościuszki 27, 52-116 Iwiny, Poland

Copyright © 2023, Wireless Instruments. Specifications and information given in this document are subject to change without prior notice.