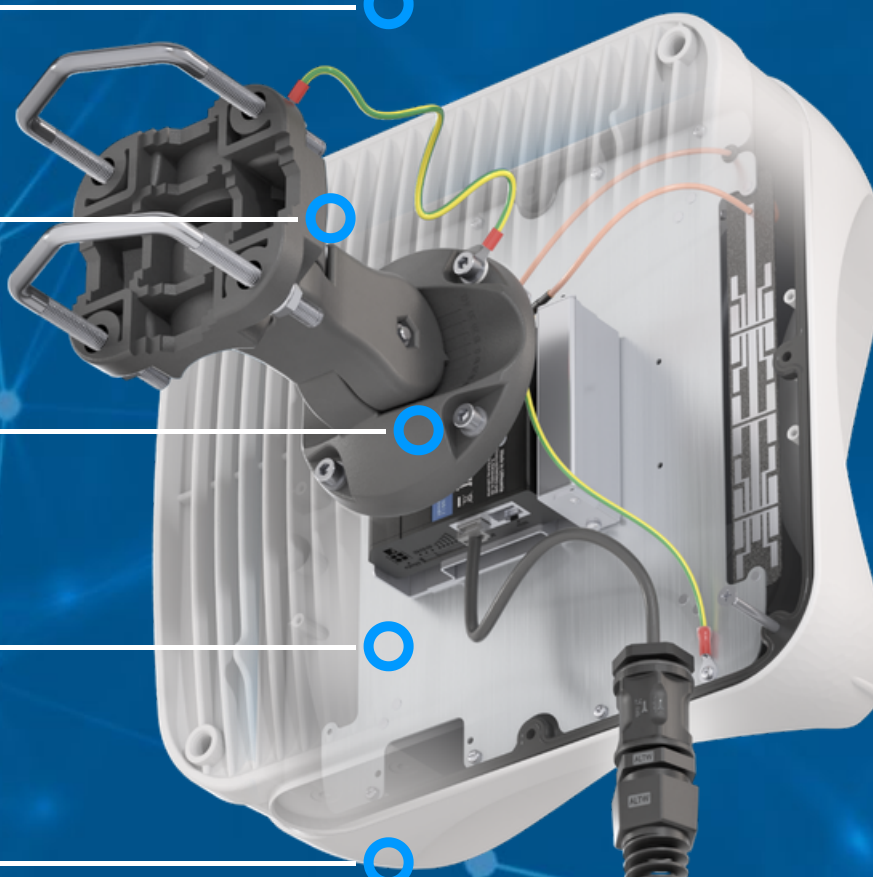
QuMax for Teltonika RUT2xx ver. US (Band71)

INTEGRATED MULTI-BAND 5G DIRECTIONAL ANTENNA + WI-FI OMNI ANTENNA + PLACE TO INSTALL TELTONIKA RUT2xx (ALL-IN-ONE)

QuMax for **RUT2xx ver. US (Band71)** is an outdoor antenna designed to provide reliable wireless connectivity in a variety of environments. It is dedicated to connections with long distance to base station. It is designed to have Teltonika **RUT281, RUT271, RUT260, RUT261, RUT241, RUT240, RUT230** or **RUT200** router installed inside IP68 enclosure. It is the first choice for fixed installations in industrial environment. **It has embedded also Wi-Fi omni antenna.**
NOTE: For RUT230 one LTE antenna is unplugged.

5G | BAND 71 | 2x2 MIMO | 617-6500MHz | 7 dBi | WiFi DUALBAND | 2.4GHz + 5GHz | DIRECTIONAL | IP 68 | -40° TO +80°

- OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP68
- MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION
- WIDE BAND 600-6500MHZ, 5G TECHNOLOGY
- ALL ANTENNAS AND TELTONIKA ROUTER INTEGRATED IN ONE ENCLOSURE
- MADE IN **EUROPE**



5G / LTE ANTENNA SPECIFICATION

FREQUENCY	0.617 - 1.0 GHz 1.0 - 3.08 GHz 3.3 - 5.0 GHz 5.0 - 6.5 GHz
MAX. GAIN	0.617 - 1.0 GHz : 6 dBi 1.0 - 3.08 GHz : 8 dBi 3.3 - 5.0 GHz : 6.8 dBi 5.0 - 6.5 GHz : 5.5 dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 74, 75, 76, 85, 103, 106, 111, 252, 253, 254, 255, 256
SUPPORTED 5G BANDS	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n24, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n50, n51, n53, n54, n65, n66, n67, n68, n70, n71, n74, n75, n76, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n91, n92, n93, n94, n95, n97, n98, n99, n100, n101, n102, n106, n109, n110, n250, n251, n252, n253, n254, n255, n256
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° ±15°
POLARIZATION	X (+-45degrees)
IMPEDANCE	50 Ω
CONNECTOR	2x SMA
CABLE TYPE	RG316

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WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 4.7- 6.0 GHz
MAX. GAIN	2.4 - 2.5 GHz : 6 dBi 4.7 - 6.0 GHz : 7 dBi
VSWR	< 1.70, max < 2.00
BEAMWIDTH	360°/25°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
CONNECTOR	1x RPSMA
CABLE TYPE	RG316

MECHANICAL SPECIFICATION

RADOME MATERIAL	UV-resistant ASA
OPERATING HUMIDITY	up to 100% RH
MATERIALS	aluminum, PTFE, fiberglass
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP68
DIMENSIONS	27.0 x 27.6 x 19.5 ± 1.0 cm 10.63 x 10.86 x 7.67 ± 0.39 inch
NET WEIGHT	2,16 ± 0.2 kg 4.76 ± 0.44 lbs

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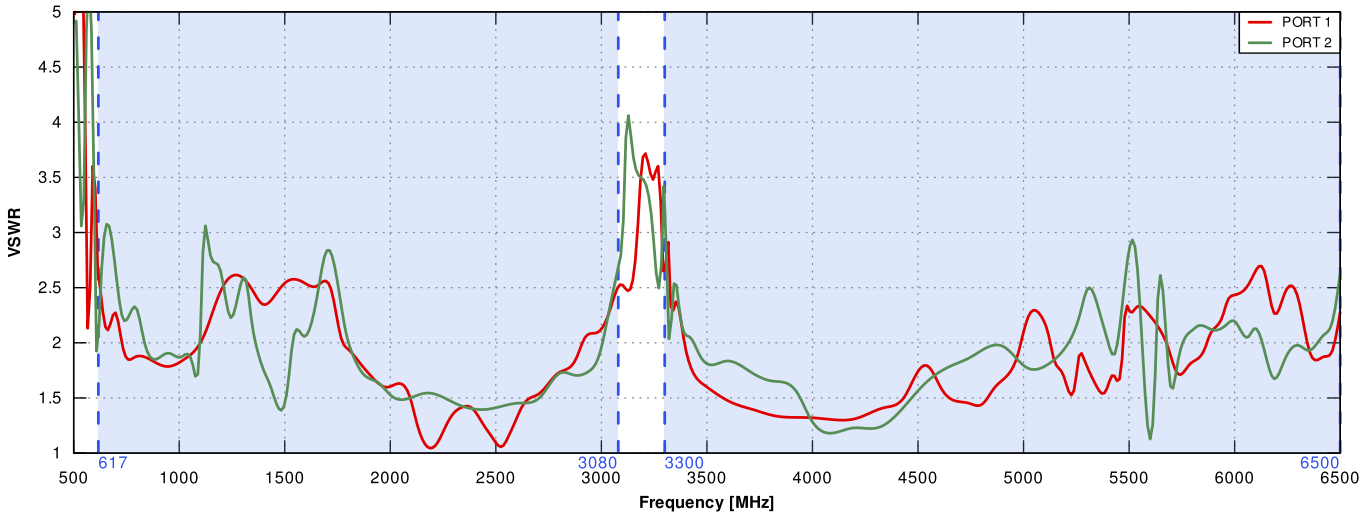
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.6 - 0.8 Nm

MOUNTING KIT

DIMENSIONS	9.9 x 10.5 x 14.8 ± 0.5 cm 3.9 x 4.13 x 5.83 ± 0.19 inch
REGULATION RANGE	+/- 30°
MAST DIAMETER RANGE	25 - 66mm 0.98-2.60 inch
MATERIAL	Polyamide with fiberglass + galvanized steel U-Bolts
MOUNTING PLACE	Wall or ceiling or mast

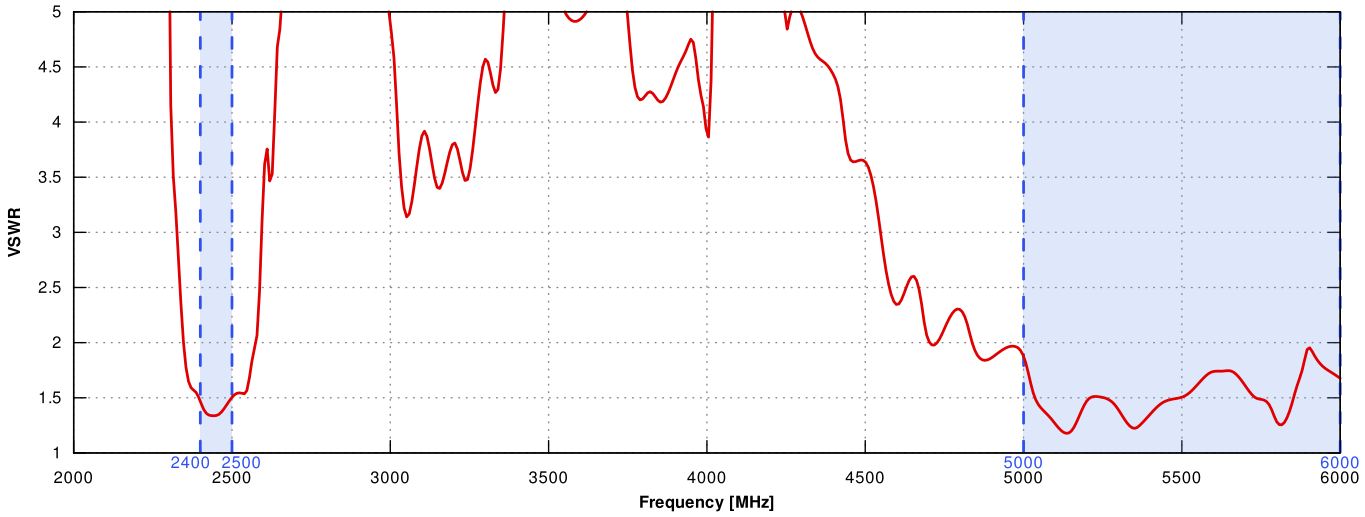
PLOTS

5G/LTE VSWR

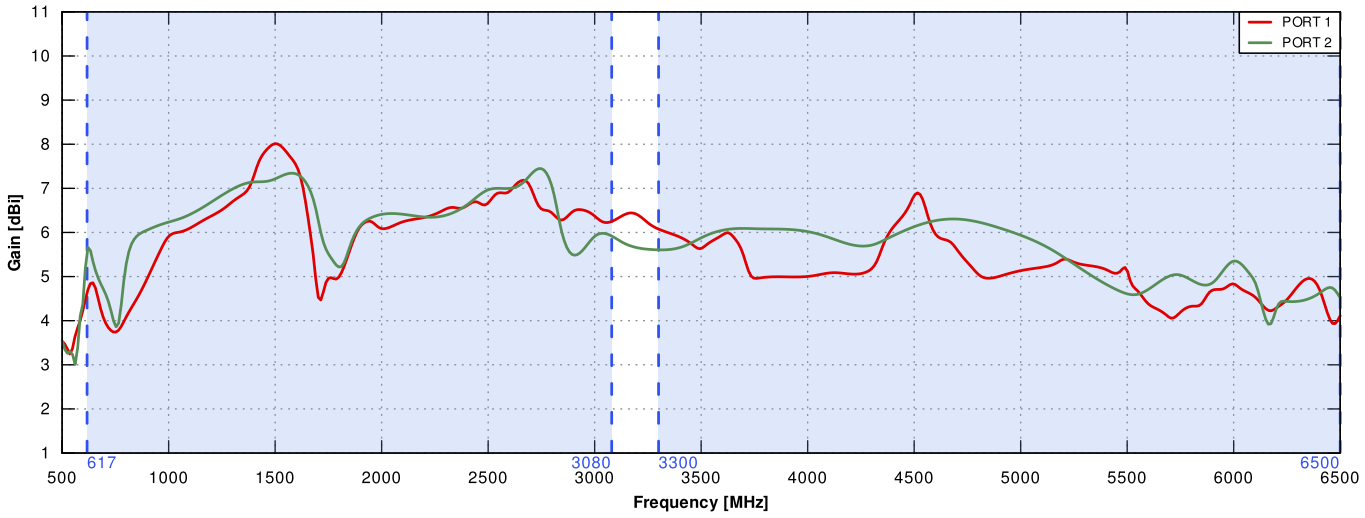


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WI-FI VSWR

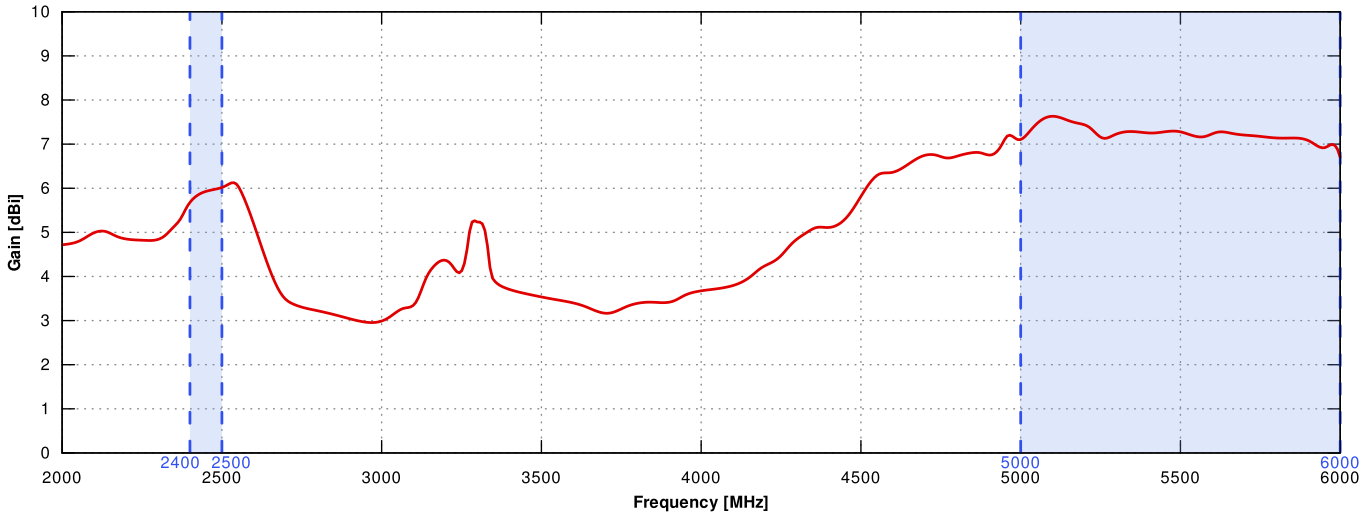


5G/LTE Gain



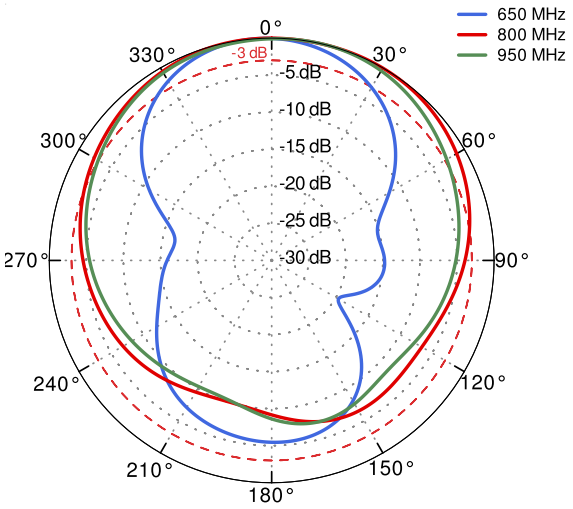
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WI-FI Gain

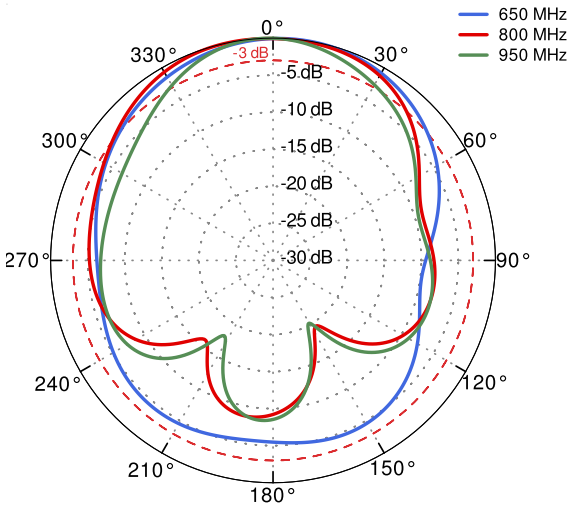


PORT 1 - 5G/LTE from 650MHz to 950MHz

ELEVATION



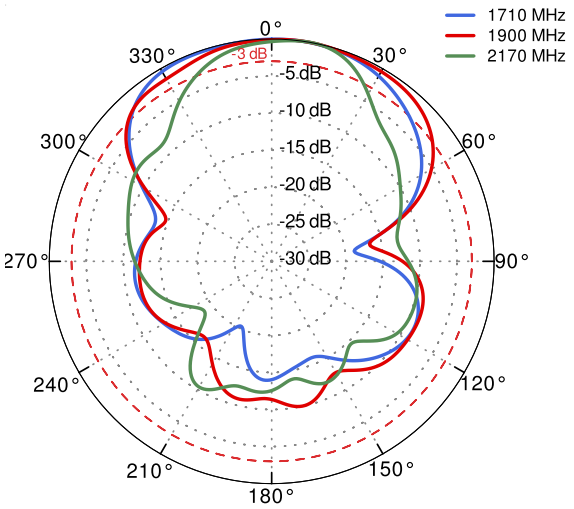
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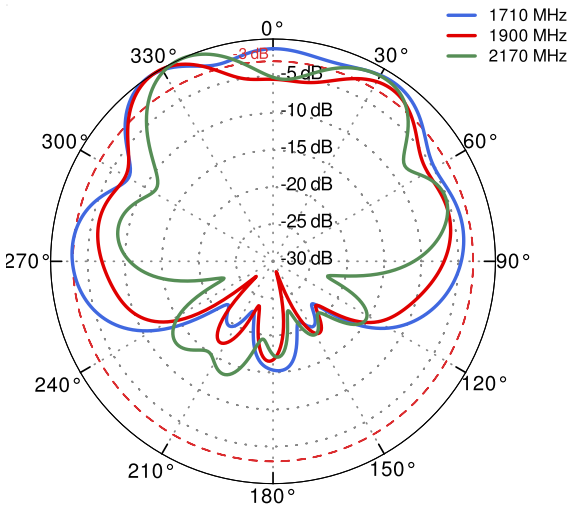
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PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz

ELEVATION

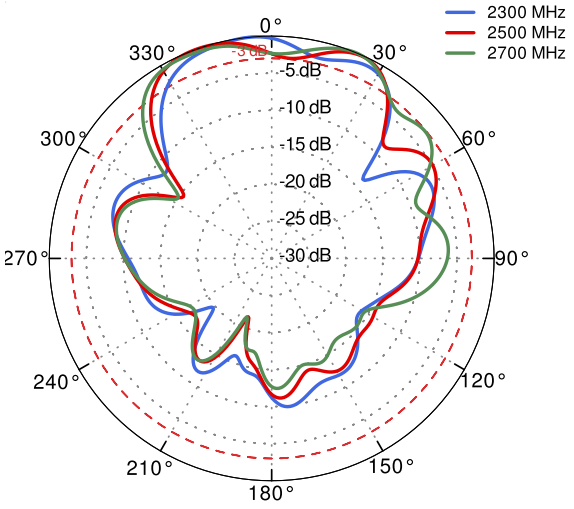


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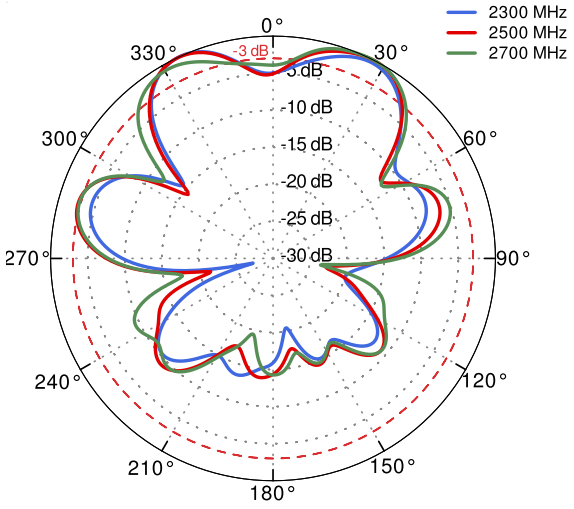


PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION



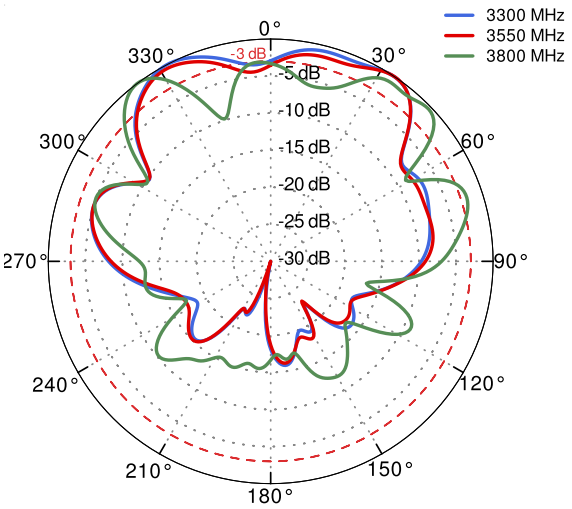
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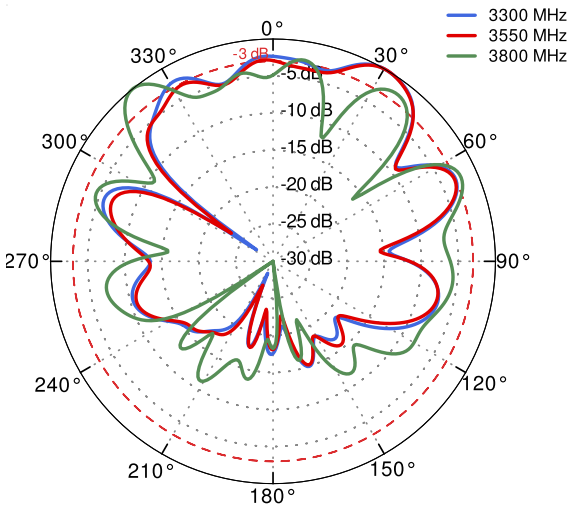
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PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz

ELEVATION

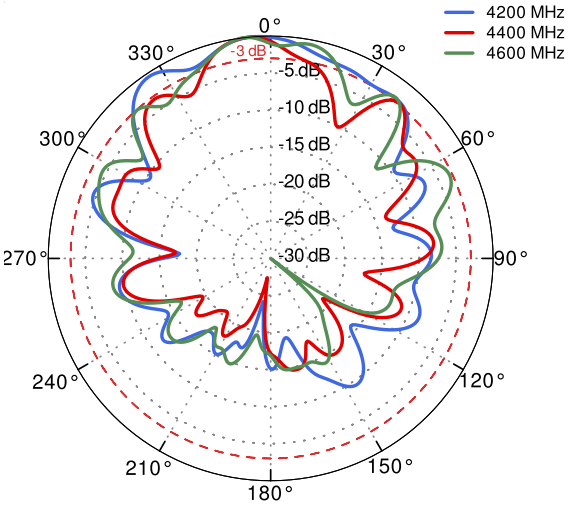


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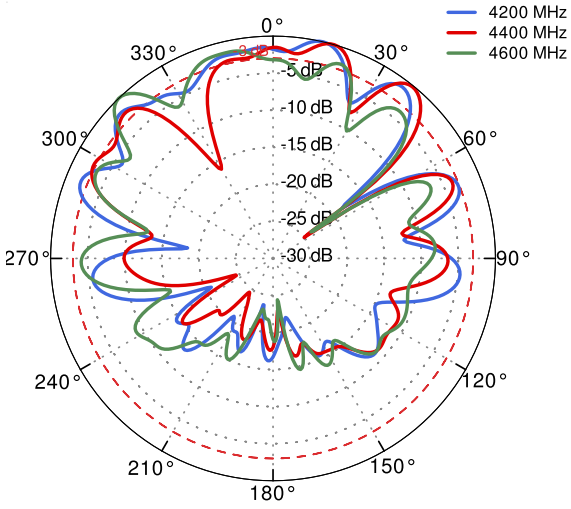


PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz

ELEVATION



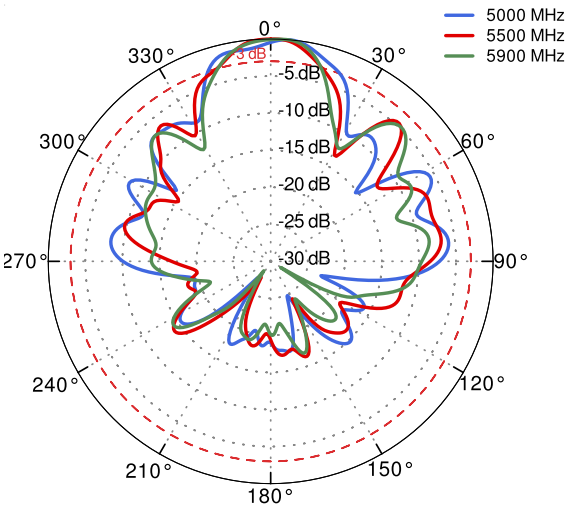
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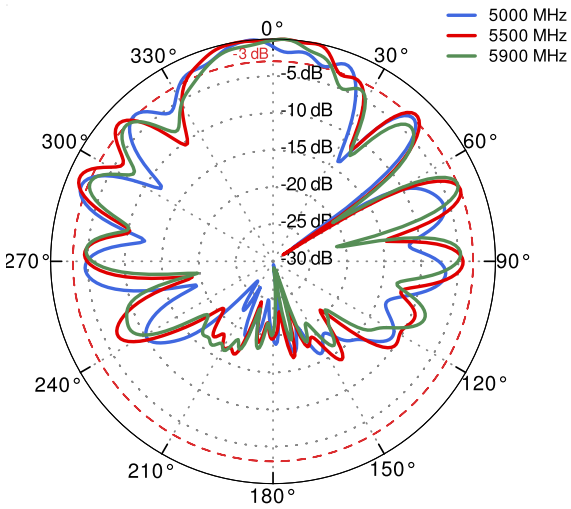
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PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz

ELEVATION

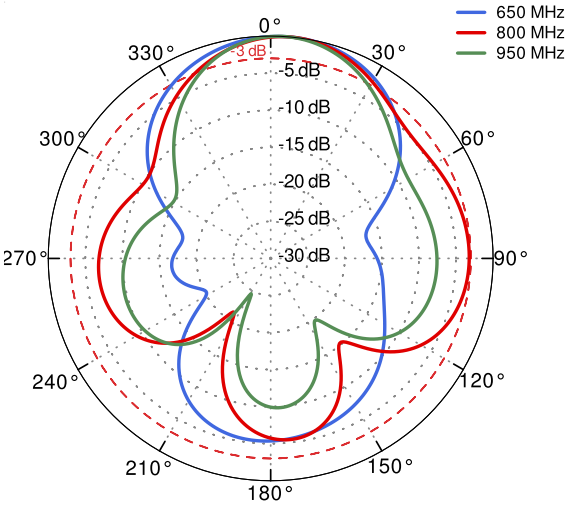


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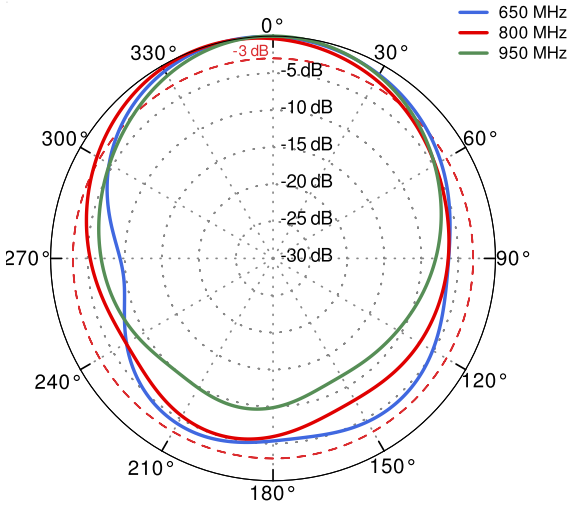


PORT 2 - 5G/LTE from 650MHz to 950MHz

ELEVATION



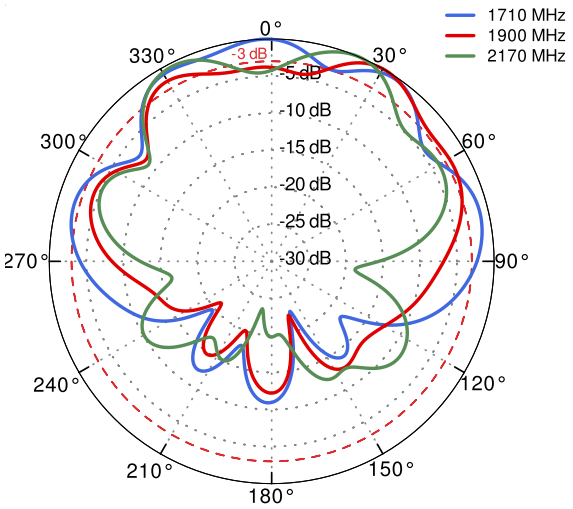
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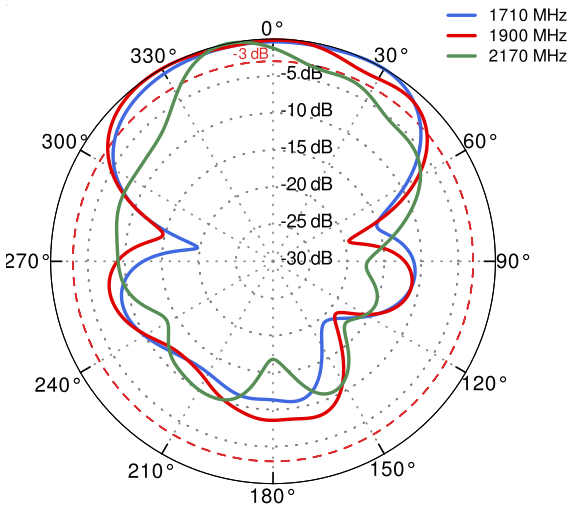
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PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz

ELEVATION

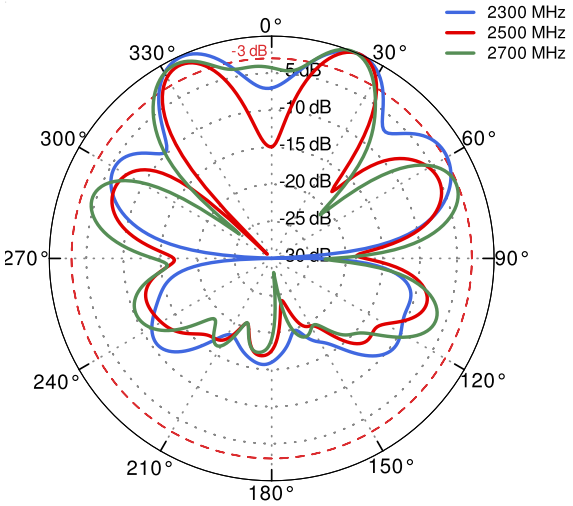


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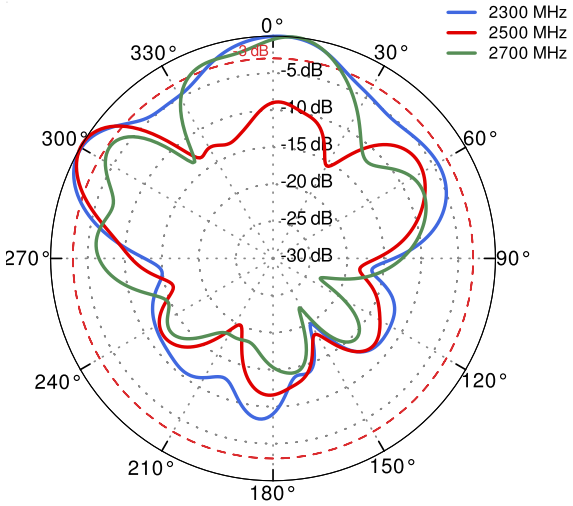


PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz

ELEVATION



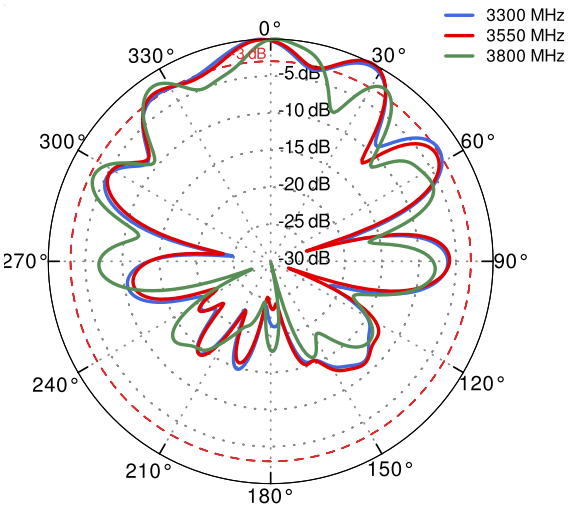
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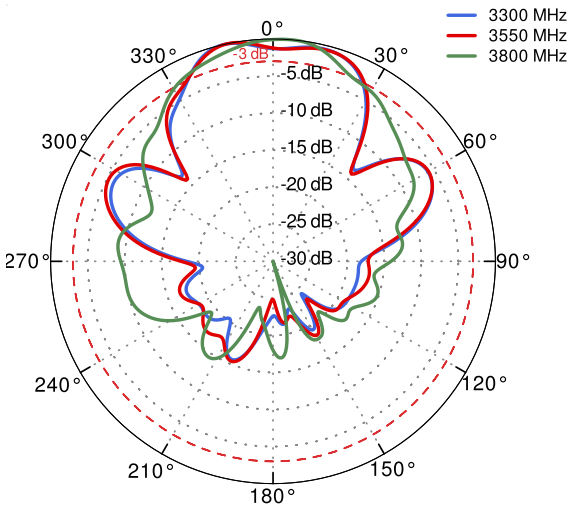
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PORT 2 - 5G/LTE from 3.3GHz to 3.8GHz

ELEVATION

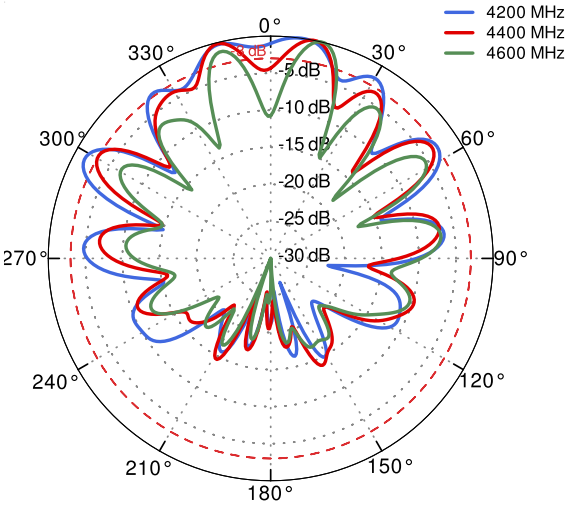


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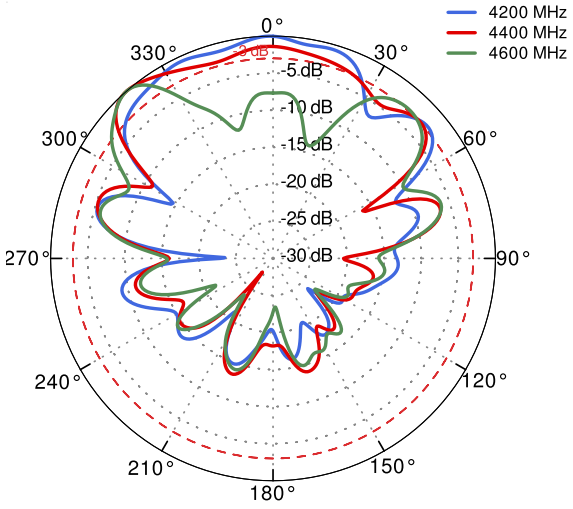


PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz

ELEVATION



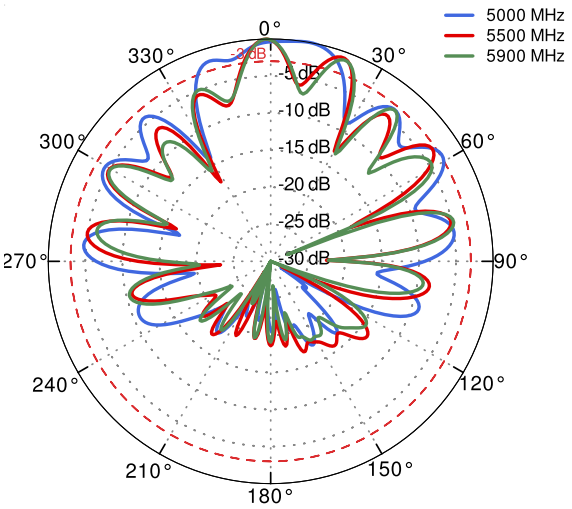
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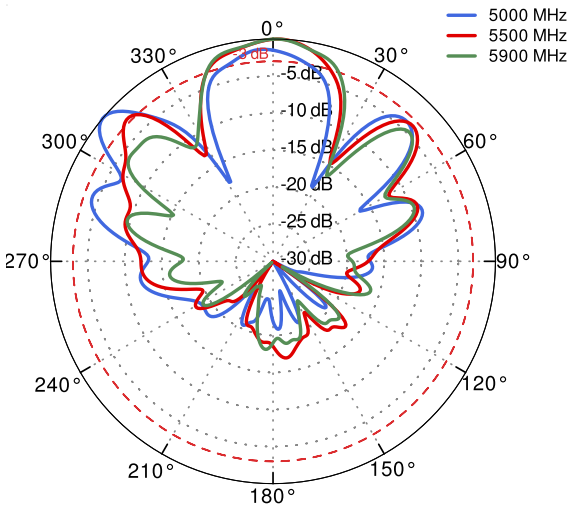
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PORT 2 - 5G/LTE from 5.0GHz to 5.9GHz

ELEVATION

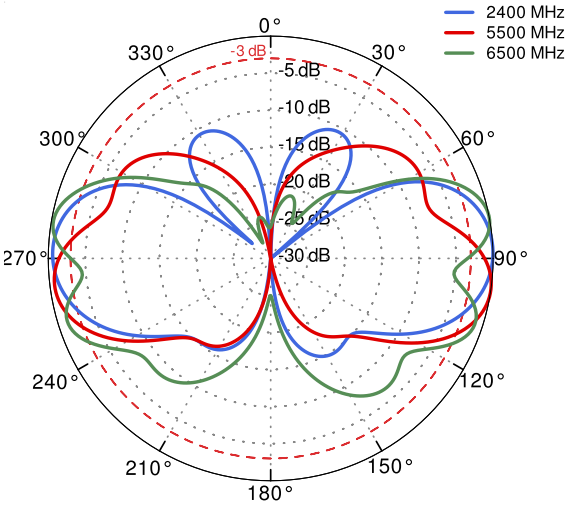


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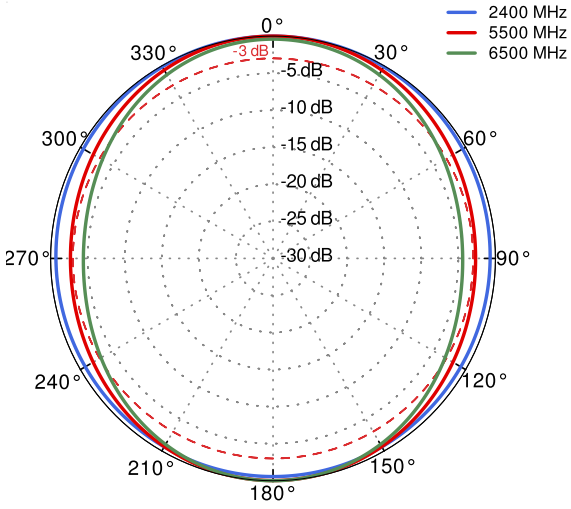


Wi-Fi From 2.4 GHz to 6.5 GHz

ELEVATION

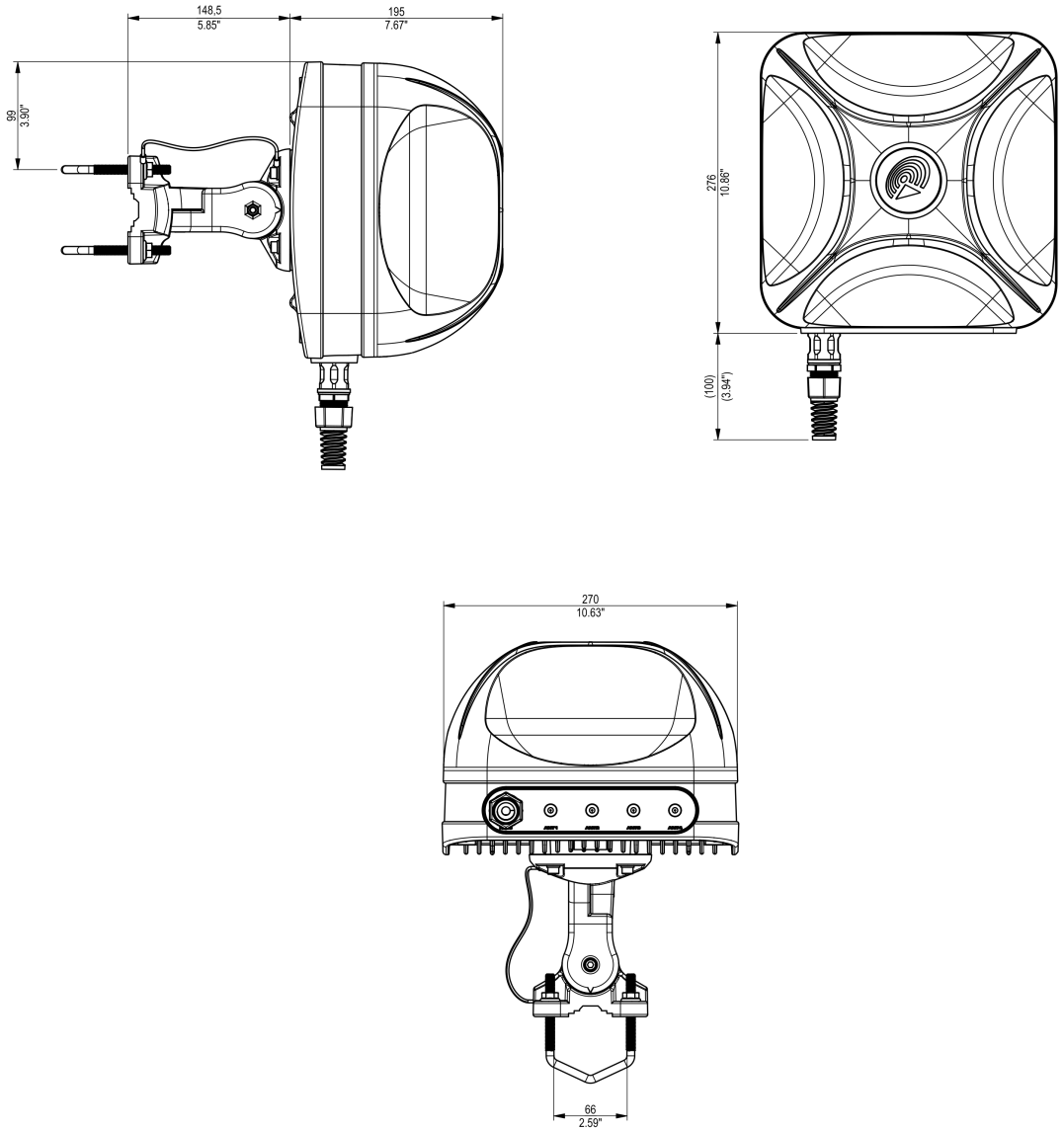


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DIMENSIONS



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

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