QuCube LTE 802.3at for Semtech RX400, EX400, RV50X and no Wi-Fi RV55

INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + GPS ANTENNA + ACTIVE 802.3AT POE SPLITTER + PLACE TO INSTALL SEMTECH RX400 / EX400 / RV50X / RV55 (no Wi-Fi) (ALL-IN-ONE)

QuCube LTE 802.3at for Semtech RX400, EX400, RV50X and no Wi-Fi RV55 is a revolutionary outdoor antenna solution that combines minimized dimensions with exceptional antenna performance. Designed specifically as an **antenna for Semtech RX400, EX400, RV50X and RV55 (no Wi-Fi) routers**, it delivers reliable, high-speed wireless connectivity in even the most demanding environments.
This all-in-one unit integrates high-gain omnidirectional **5G and GPS antennas** with Semtech routers into a compact, rugged **IP68-rated waterproof enclosure**. The integration reduces installation complexity while enabling rapid deployment of advanced outdoor 5G solutions.
Engineered for outdoor and mobile applications, **QuCube** is ideal for use in transportation systems, for underground connectivity or urban and public installations. It ensures consistent performance wherever dependable connectivity is essential.
The set contains a 802.3at 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. Using QuWireless splitter provides 3KA surge and lightning protection.

5G/LTE SPECIFICATION

FREQUENCY	0.58 - 2.0 GHz 2.0 - 3.5 GHz 3.5 - 5.0 GHz 5.0 - 6.35 GHz
MAX. GAIN	0.58 - 2.0 GHz : 2 dBi 2.0 - 3.5 GHz : 3.2 dBi 3.5 - 5.0 GHz : 3.1 dBi 5.0 - 6.35 GHz : 3.8 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, 107, 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, n105, n106, n109, n110, n250, n251, n252, n253, n254, n255, n256
VSWR	<2.50, max <3.00
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

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MECHANICAL SPECIFICATION

MATERIAL	ASA
CONNECTOR	QuRJ45
OUTER DIMENSIONS	160 x 160 x 155 mm 6.3 x 6.3 x 6.10 inch
OPERATING TEMPERATURE	-40°C to 80°C -40°F to 176°F
INGRESS PROTECTION	IP67 and IP68

MOUNTING KIT

MATERIAL	Galvanized steel
WEIGHT	0.4kg
MOUNTING PLACE	Wall or mast
MAST DIAMETER	25-66 mm 0.98-2.60 inch

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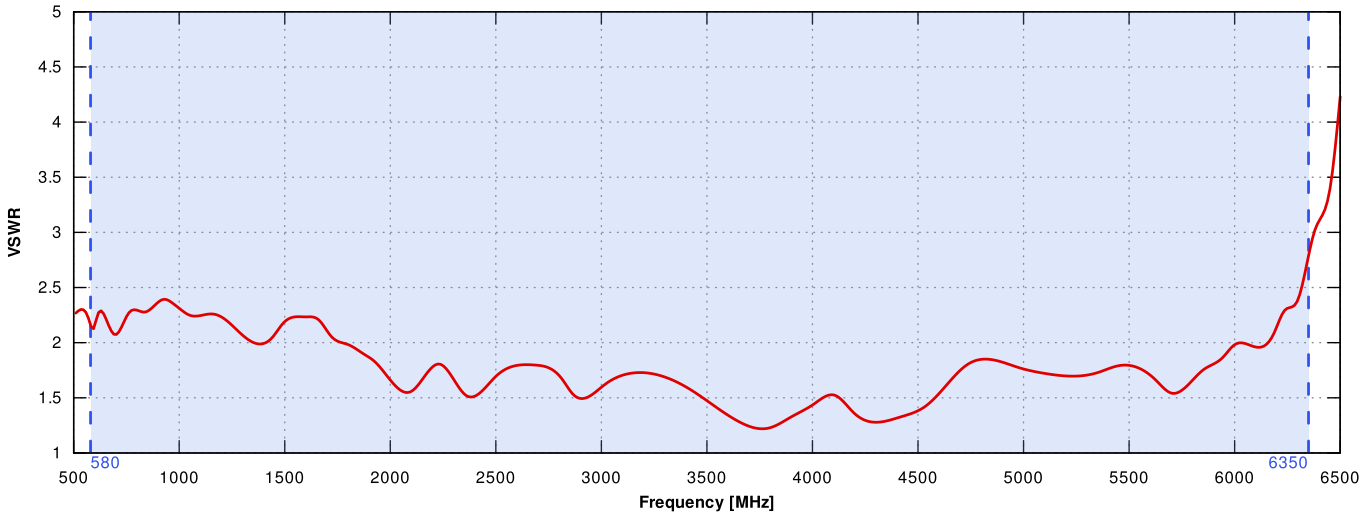
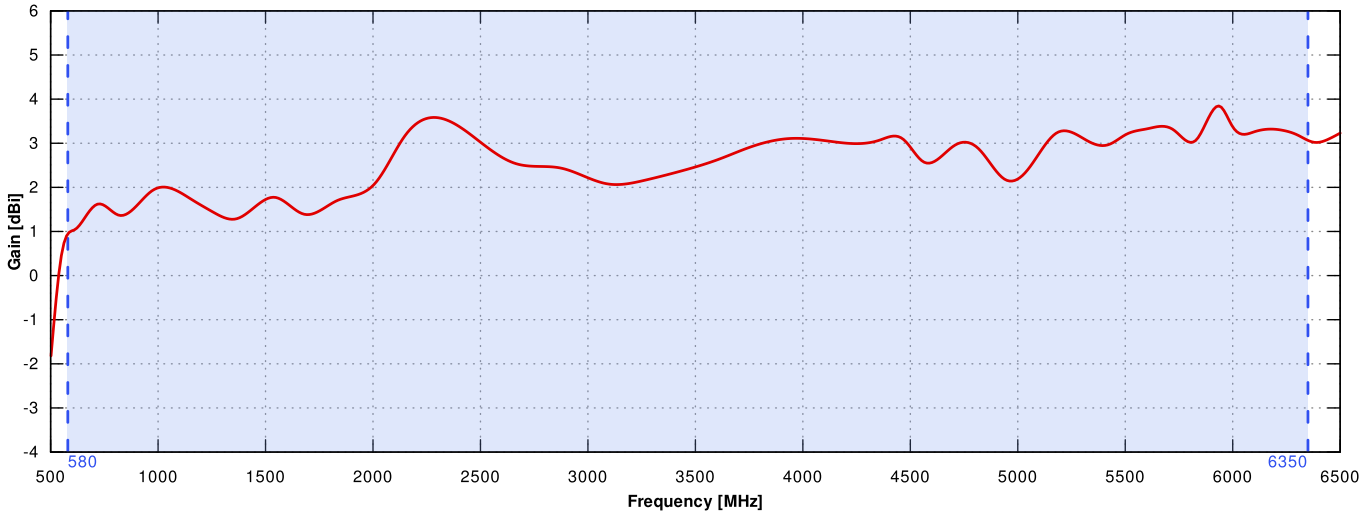
PLOTS

5G/LTE VSWR



5G/LTE GAIN



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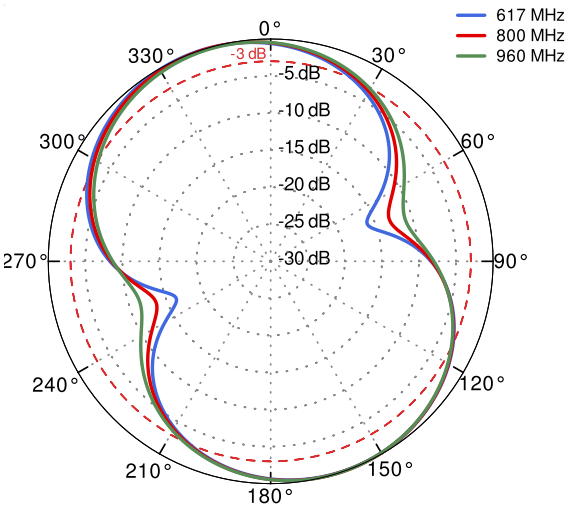
5G/LTE from 617MHz to 960MHz

ELEVATION



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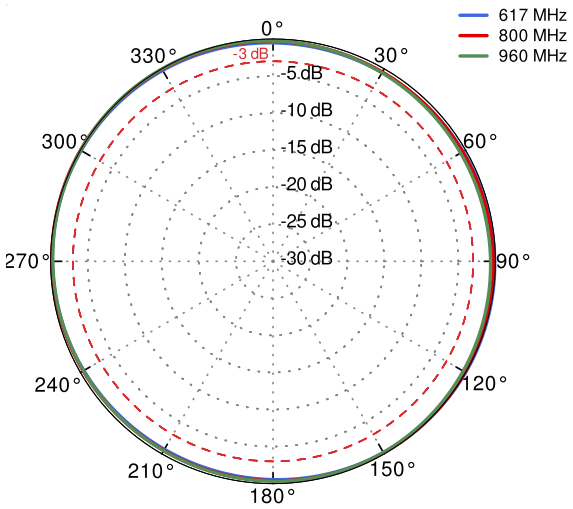
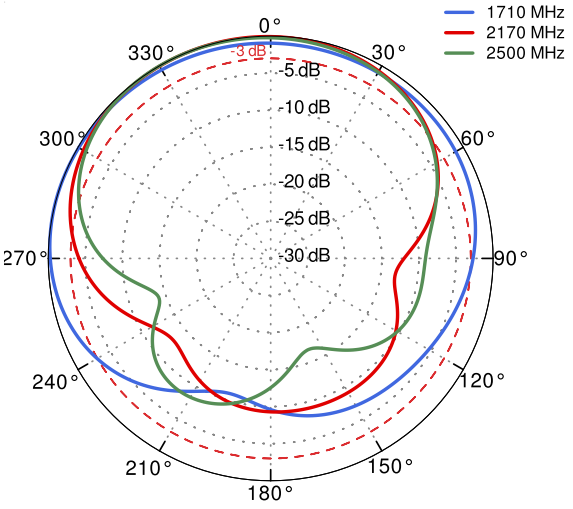


5G/LTE from 1.71GHz to 2.7GHz

ELEVATION



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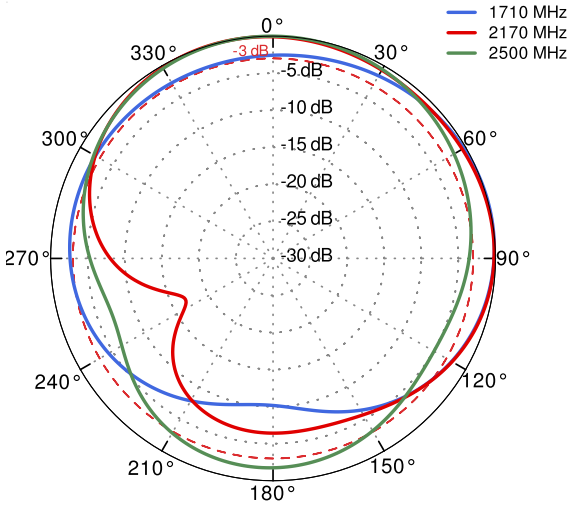

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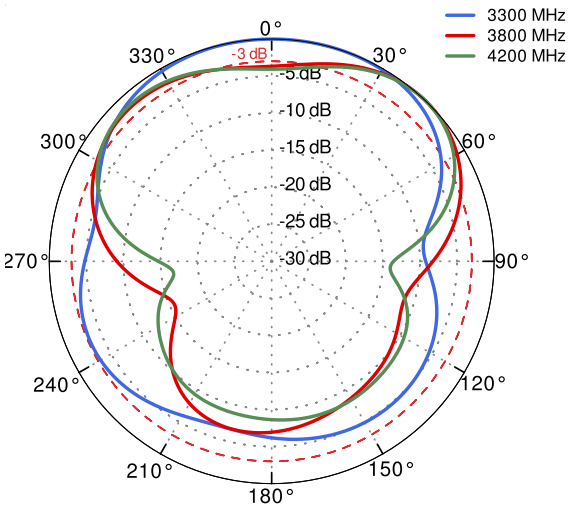
5G/LTE from 3.3GHz to 4.2GHz

ELEVATION



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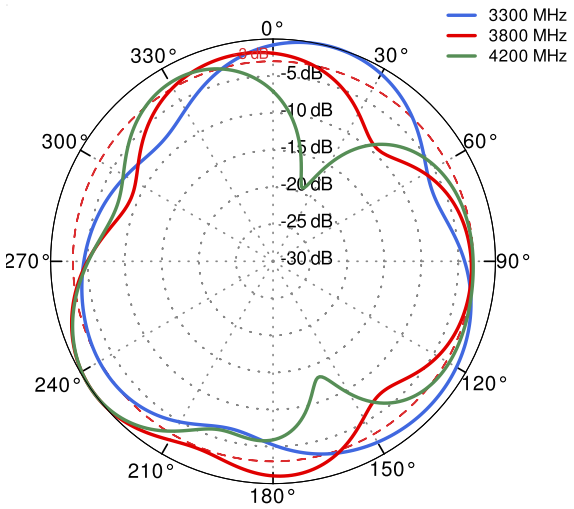
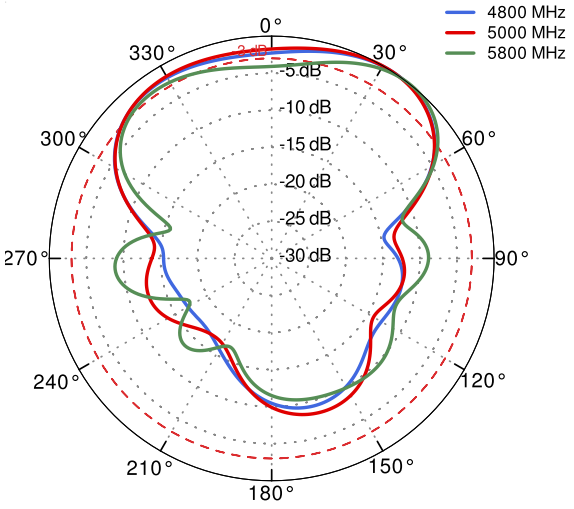


5G/LTE from 4.8GHz to 5.8GHz

ELEVATION



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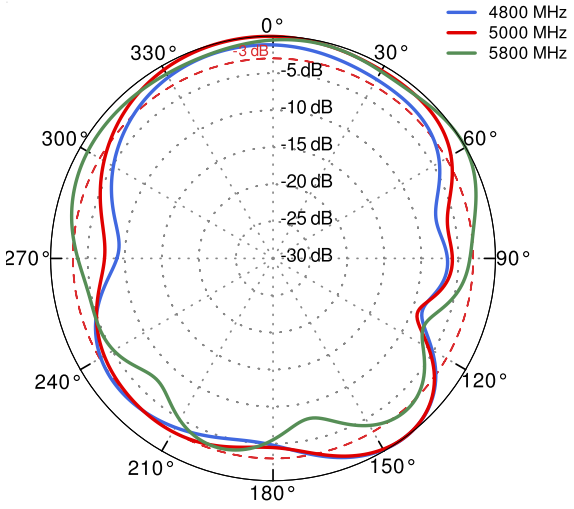

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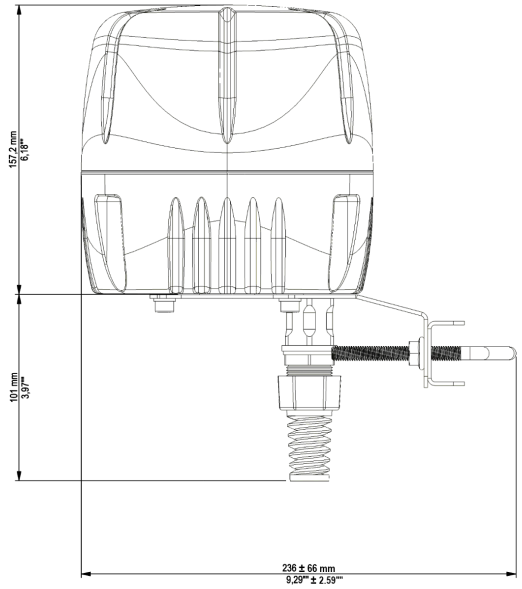
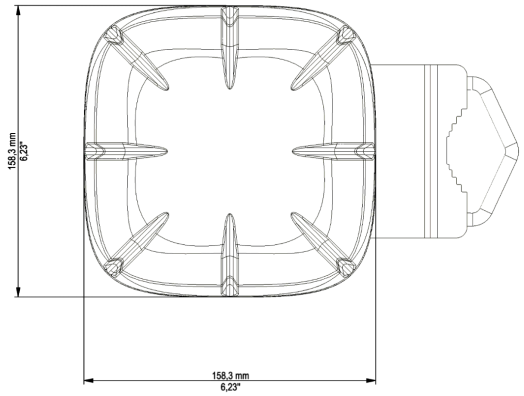
DIMENSIONS





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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