

QuWave Lite for Teltonika

RUTX50/RUTM51/RUTM54/RUTM55

INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI ANTENNA + GPS ANTENNA + PASSIVE POE SPLITTER + PLACE TO INSTALL TELTONIKA RUTX50/RUTM51/RUTM54/RUTM55 (ALL-IN-ONE)

QuWave Lite for Teltonika RUTX50/RUTM51/RUTM54/RUTM55 is a revolutionary outdoor antenna solution that combines minimized dimensions with exceptional antenna performance. Designed specifically as an **antenna for RUTX50/RUTM51/RUTM54/RUTM55 router**, it delivers reliable, high-speed wireless connectivity in even the most demanding environments. This all-in-one unit integrates high-gain omnidirectional **5G, Wi-Fi and GPS antennas** with Teltonika router into a compact, rugged **IP67-rated waterproof enclosure**. The integration reduces installation complexity while enabling rapid deployment of advanced outdoor 5G solutions. Engineered for outdoor and mobile applications, **QuWave Lite** is ideal for use in transportation systems, for underground connectivity or urban and public installations.

The set contains a [Passive PoE splitter](#), allowing you to protect the LAN port from damage caused by overvoltage, short circuit or improper connection. The device has lightning, surge, ESD and EFT protection and is ideal for outdoor applications and powering gateway devices, routers, etc. The GDT elements, High power TVS Diode and TVS Diode Array provide protection against lightning and high surge. It has overcurrent/short protection that complies with the GR-1089, ITU K20/21.



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



ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER



5G/LTE SPECIFICATION

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 3.8 GHz 4.2 - 6.0 GHz
GAIN	617 - 960 MHz : 2 dBi 1.7 - 2.7 GHz : 3 dBi 3.3 - 3.8 GHz : 3 dBi 4.2 - 6.0 GHz : 4 dBi
SUPPORTED LTE BANDS	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
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, n65, n66, n67, n71, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n255
VSWR	<1.20, max <2.50
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

WI-FI SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5 - 7.2 GHz
GAIN	2.4 - 2.5 GHz: 2dBi 5 - 7.2 GHz: 5dBi
VSWR	< 2.50
BEAMWIDTH	360°/25°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
MAX INPUT POWER	50W
DC GROUND	Yes

MECHANICAL SPECIFICATION

MATERIAL	ABS
CONNECTOR	QuRJ45
OPERATING TEMPERATURE	-40°C to 80°C -40°F to 176°F
INGRESS PROTECTION	IP67

MOUNTING KIT

MATERIAL

Galvanized steel

MOUNTING PLACE

Wall or mast

MAST DIAMETER

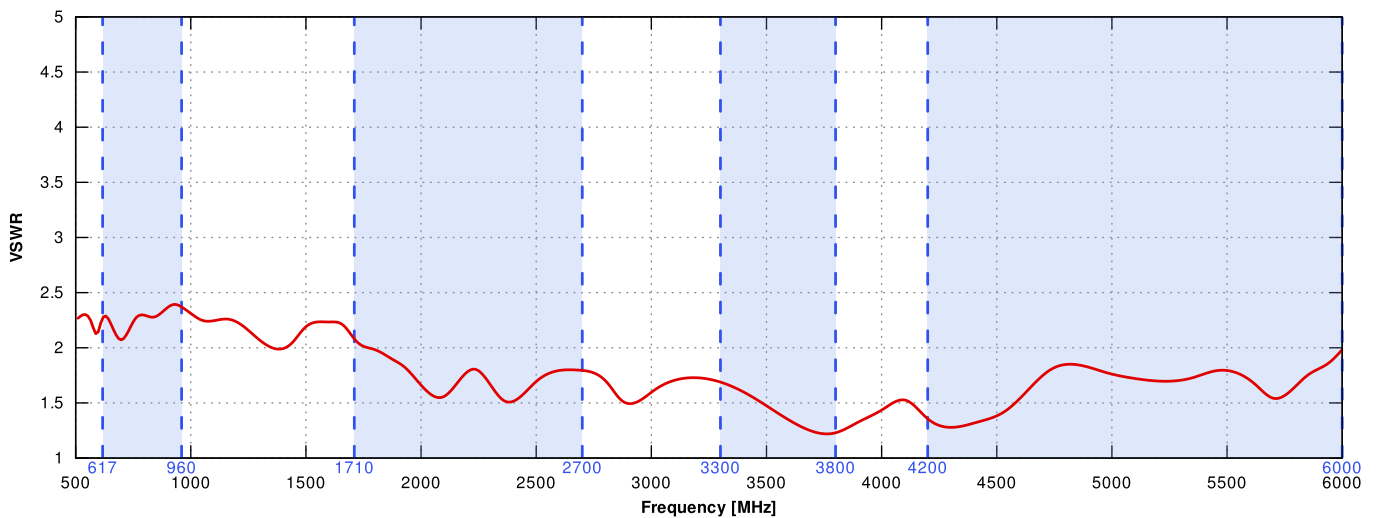
25-66 mm
0.98-2.60 inch

COMPATIBLE ROUTERS

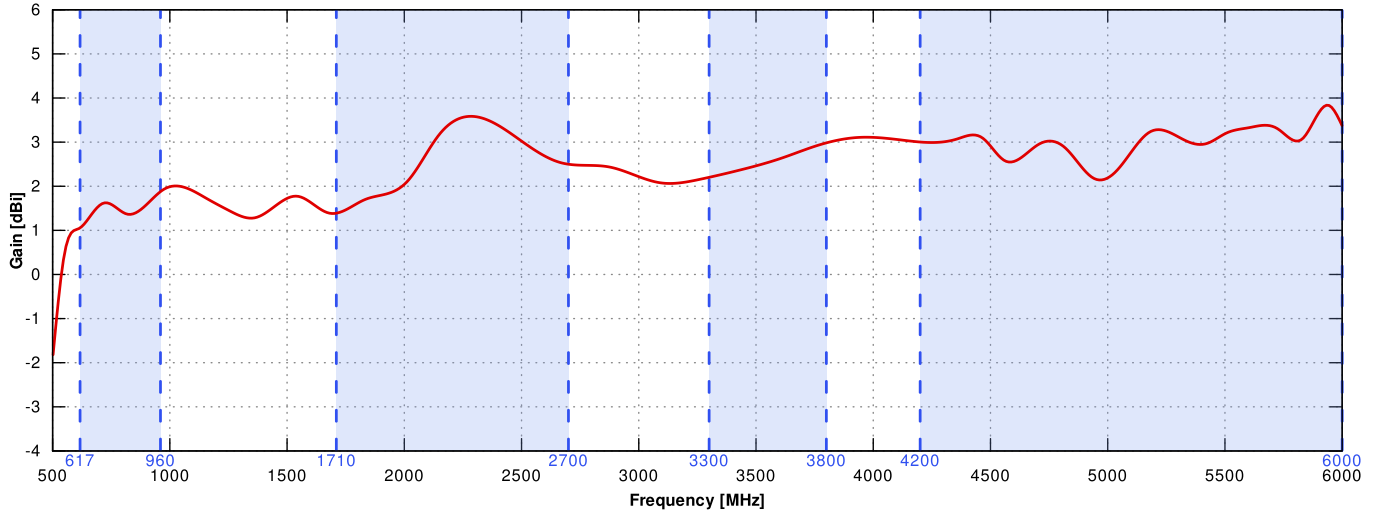
VARIANT: - _____

PLOTS

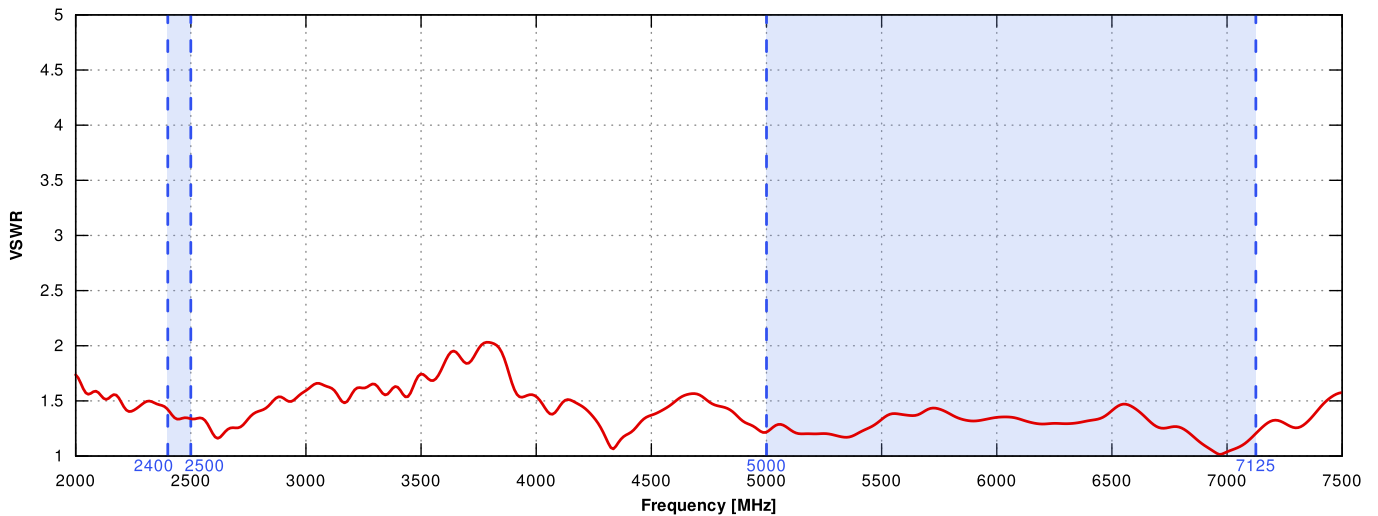
5G/LTE VSWR _____



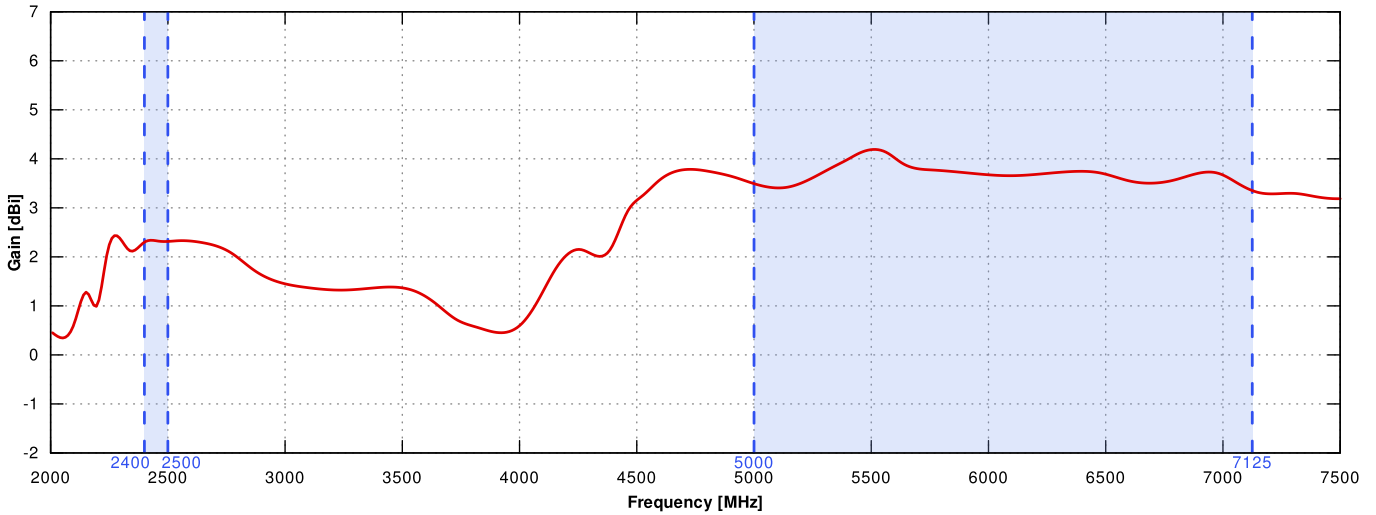
5G/LTE GAIN



Wi-Fi - V VSWR



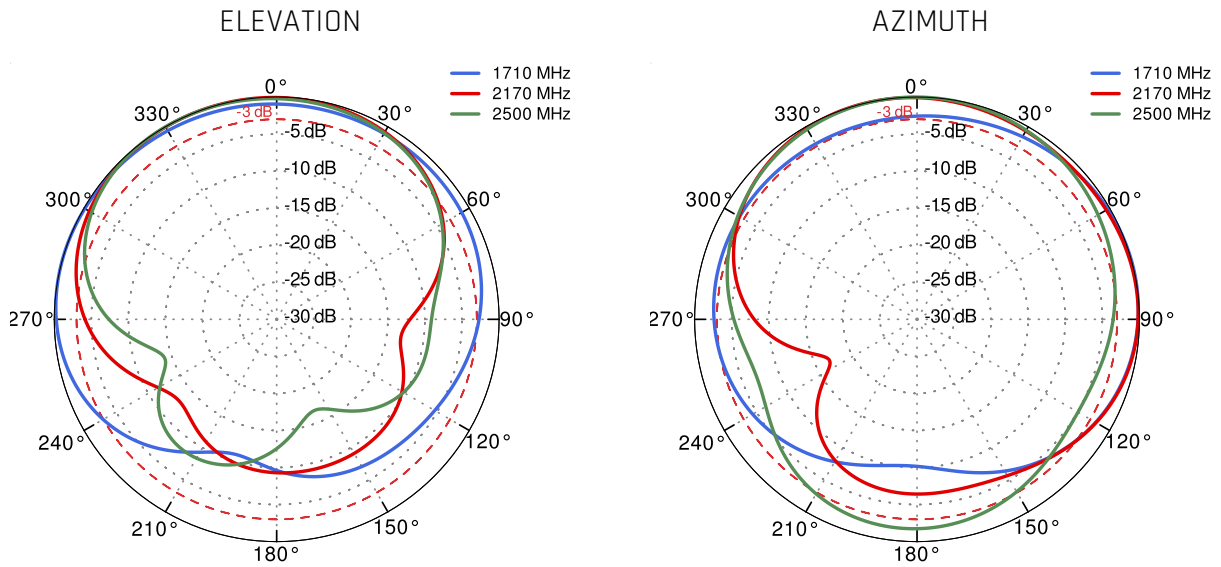
Wi-Fi - V Gain



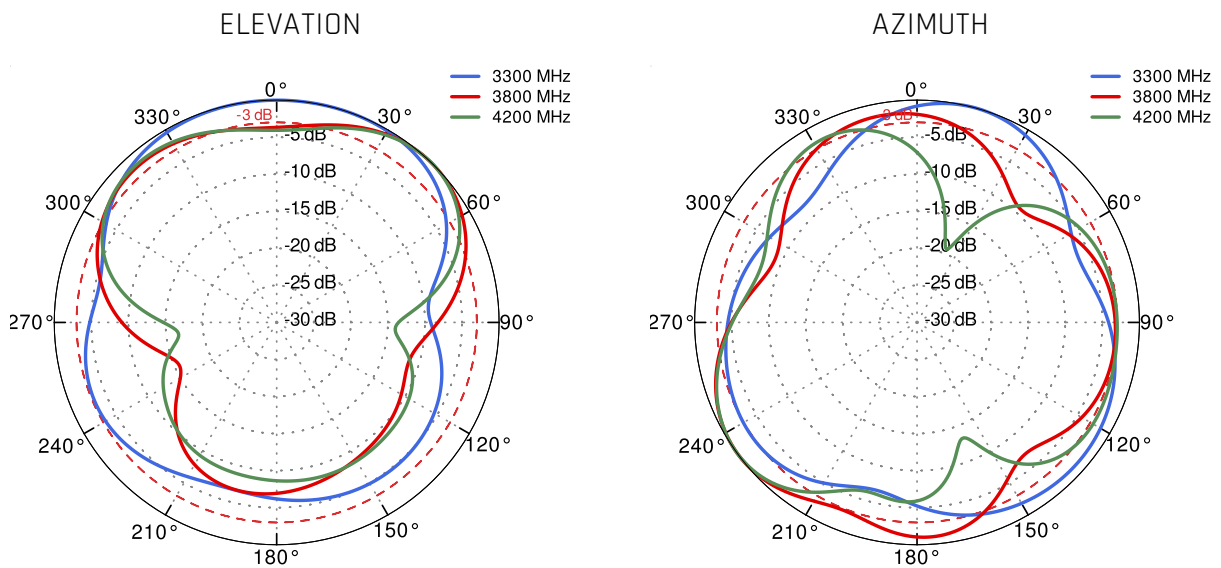
5G/LTE from 617MHz to 960MHz



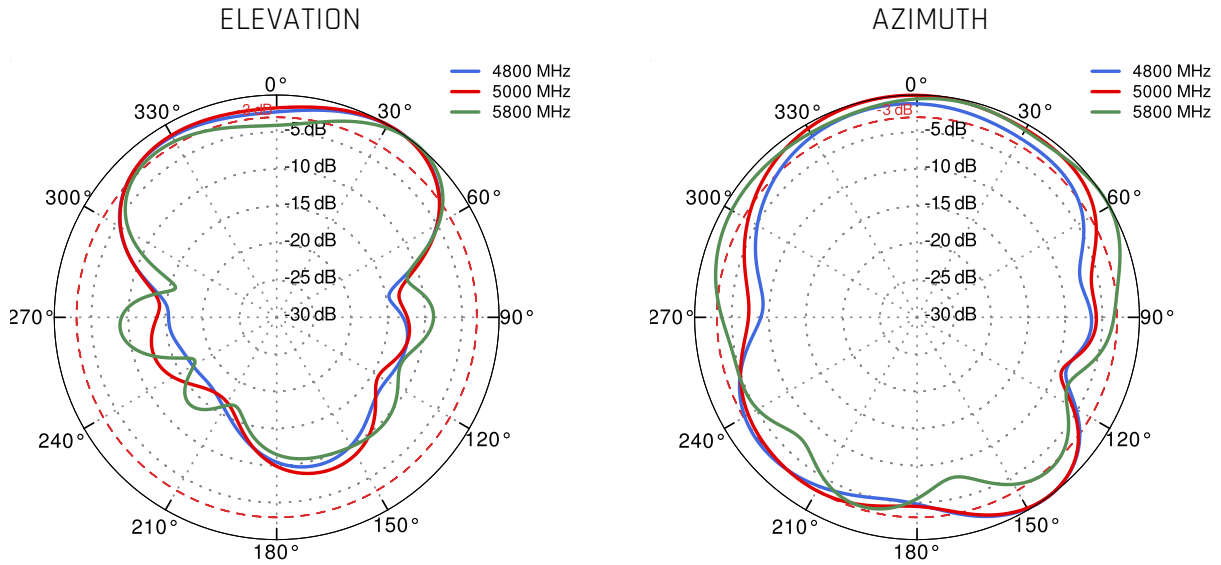
5G/LTE from 1.71GHz to 2.7GHz



5G/LTE from 3.3GHz to 4.2GHz



5G/LTE from 4.8GHz to 5.8GHz



Wi-Fi V From 2.4 GHz to 6.5 GHz

