QuWave Lite for Teltonika RUTX50/RUTM51/RUTM54/RUTM55

INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI ANTENNA + GPS ANTENNA + 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.

5G | 617-6000MHz | 4 dBi | Wi Fi 6E | 2.4GHz + 5GHz 6GHz + 7GHz | OMNI DIRECTIONAL | IP 67 | -40° TO +80°



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, n256
VSWR	<1.20, max <2.50
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

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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

RADOME MATERIAL	UV-resistant ASA
OPERATING HUMIDITY	up to 100% RH
CONNECTOR	QuRJ45
OPERATING TEMPERATURE	-40°C to 80°C -40°F to 176°F
INGRESS PROTECTION	IP67

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MOUNTING KIT

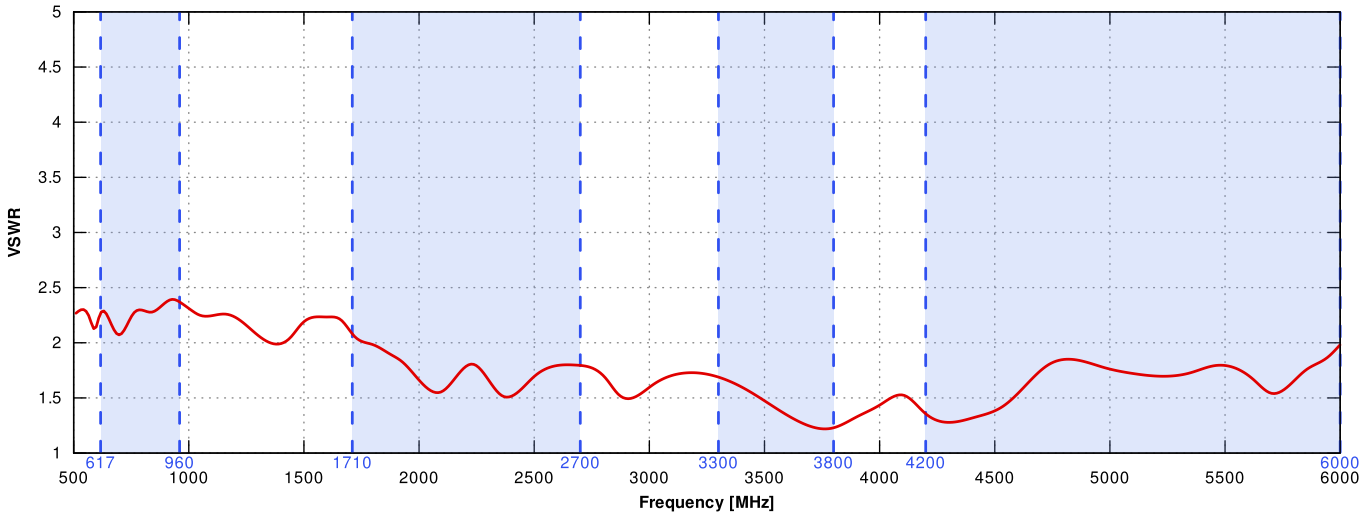
MATERIAL	Galvanized steel
MOUNTING PLACE	Wall or mast
MAST DIAMETER	25-66 mm 0.98-2.60 inch

COMPATIBLE ROUTERS

VARIANT: C_AX50W545

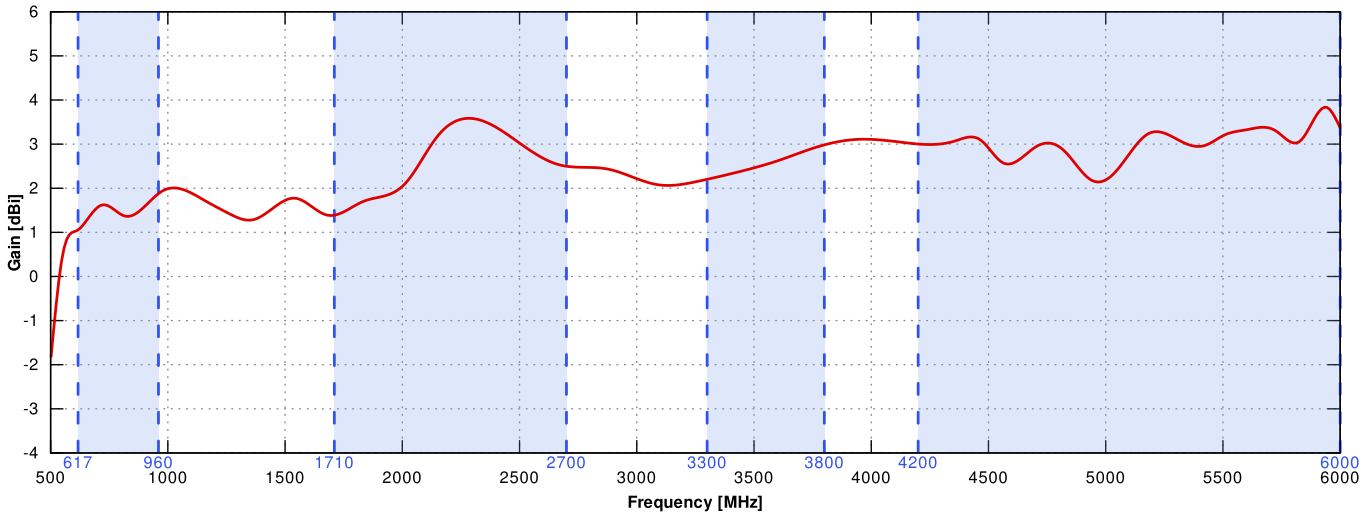
PLOTS

5G/LTE VSWR

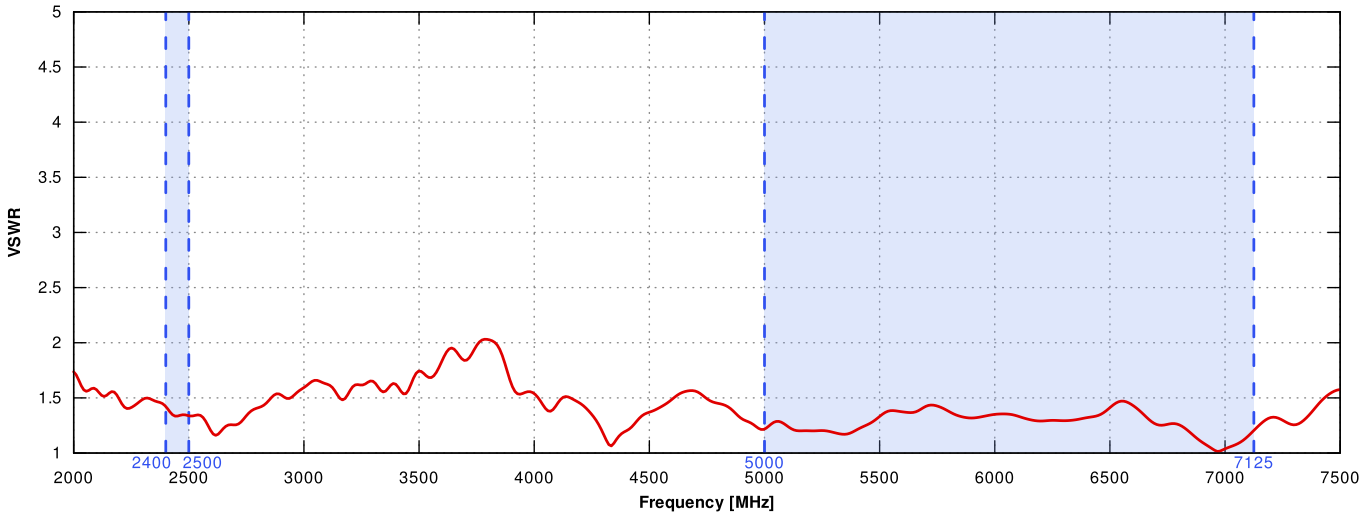


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5G/LTE GAIN

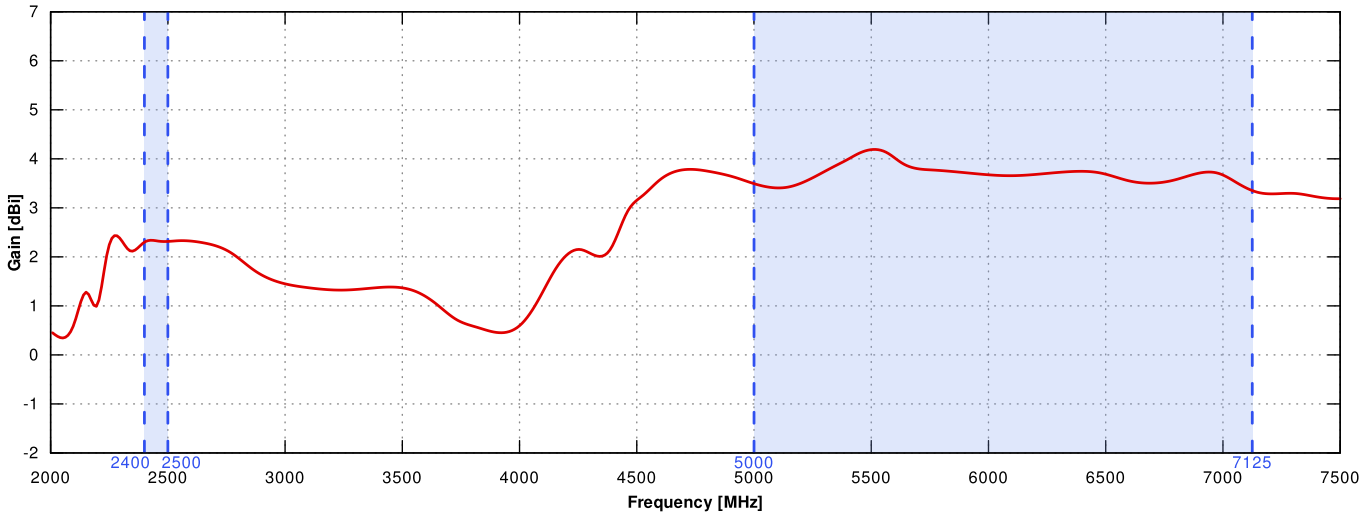


Wi-Fi - V VSWR



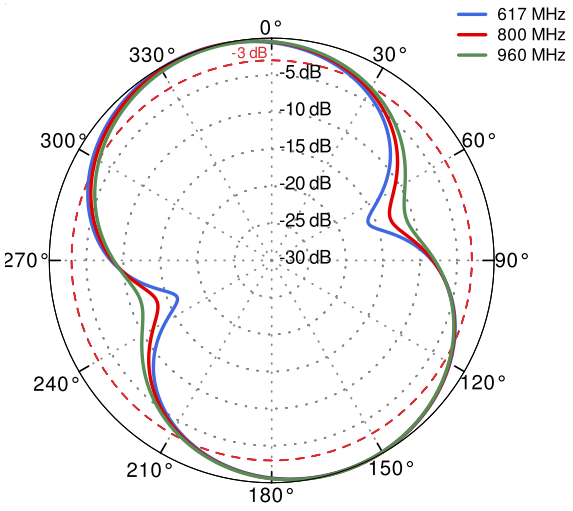
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Wi-Fi - V Gain

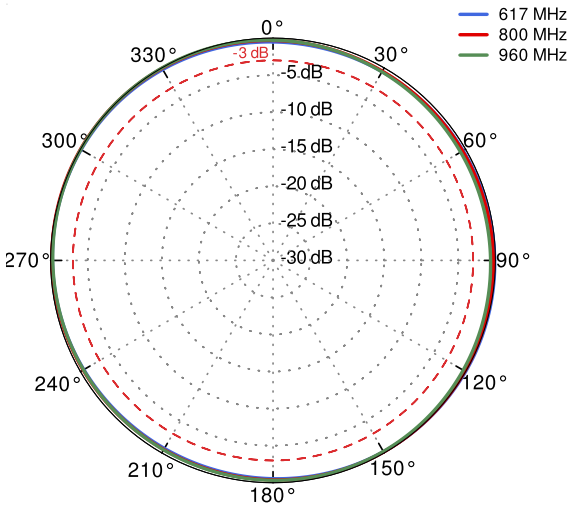


5G/LTE from 617MHz to 960MHz

ELEVATION



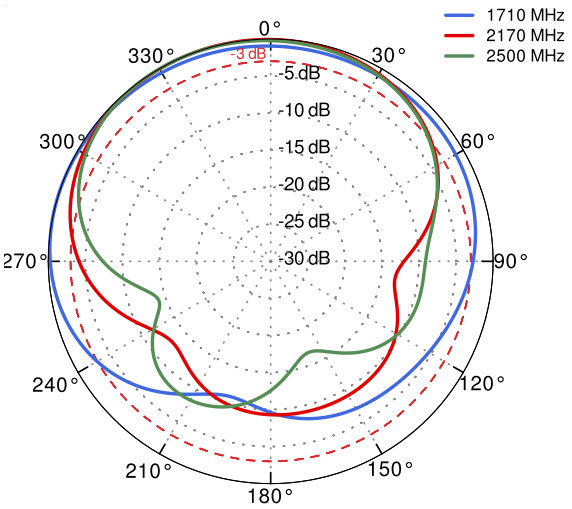
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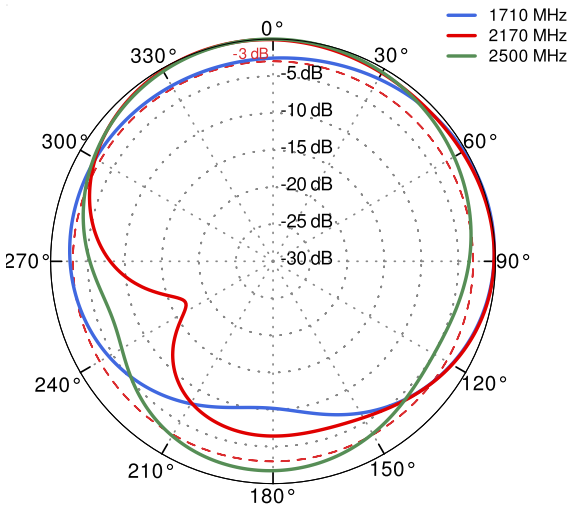
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5G/LTE from 1.71GHz to 2.7GHz

ELEVATION

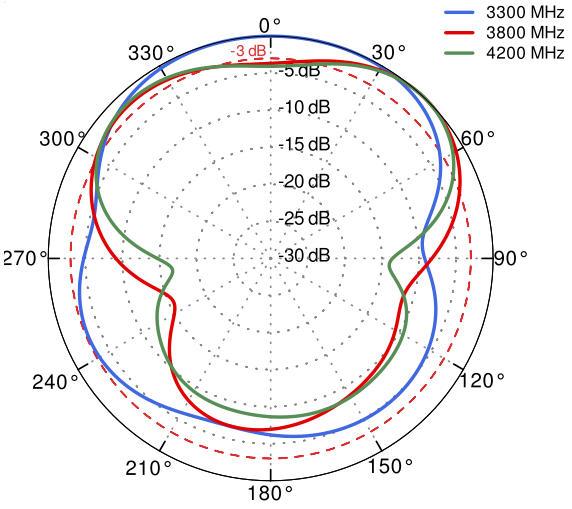


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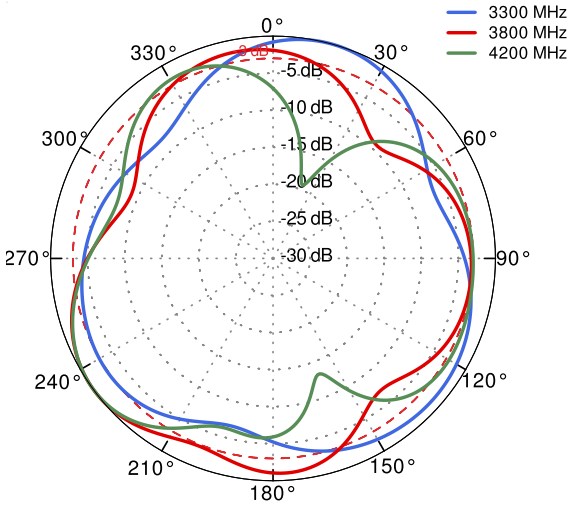


5G/LTE from 3.3GHz to 4.2GHz

ELEVATION



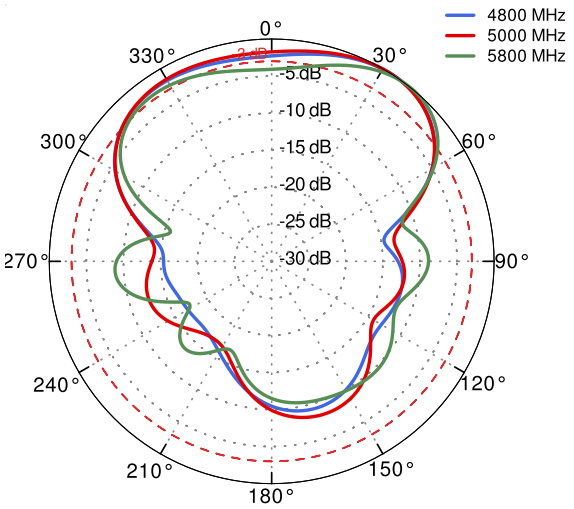
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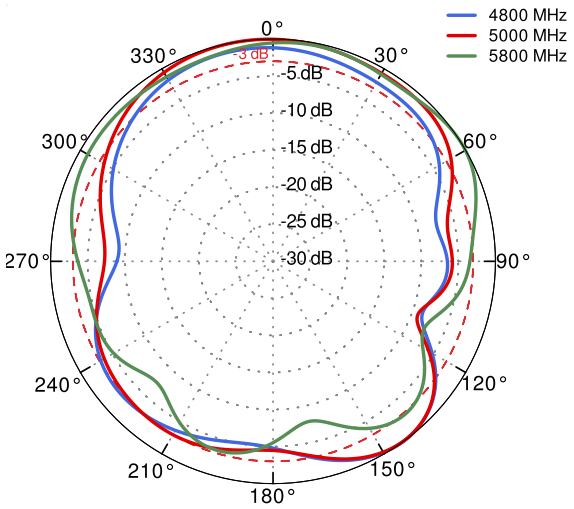
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5G/LTE from 4.8GHz to 5.8GHz

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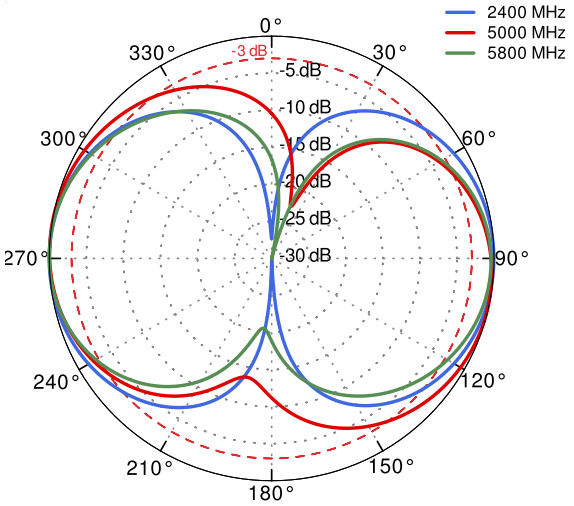


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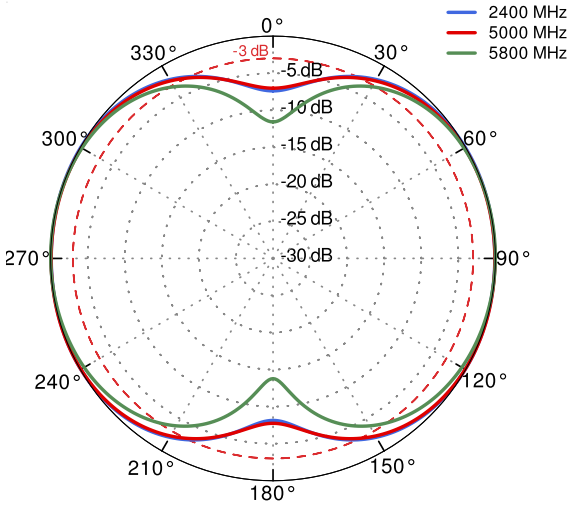


Wi-Fi V From 2.4 GHz to 6.5 GHz

ELEVATION



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