# QuCube for Teltonika TRB160

## INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + PLACE TO INSTALL TELTONIKA TRB160 (ALL-IN-ONE)

**QuCube for Teltonika TRB160** is a revolutionary outdoor antenna solution that combines minimized dimensions with exceptional antenna performance. Designed specifically as an **antenna for Teltonika TRB160 router**, it delivers reliable, high-speed wireless connectivity in even the most demanding environments.
This all-in-one unit integrates high-gain omnidirectional **5G antennas** with Teltonika 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.






# 5G/LTE SPECIFICATION

| | |
|---|---|
| FREQUENCY | 0.58 - 2.0 GHz<br>2.0 - 3.5 GHz<br>3.5 - 5.0 GHz<br>5.0 - 6.35 GHz |
| MAX. GAIN | 0.58 - 2.0 GHz : 2 dBi<br>2.0 - 3.5 GHz : 3.2 dBi<br>3.5 - 5.0 GHz : 3.1 dBi<br>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

| | |
|---|---|
| RADOME MATERIAL | UV-resistant ASA |
| OPERATING HUMIDITY | up to 100% RH |
| CONNECTOR | QuRJ45 |
| OUTER DIMENSIONS | 160 x 160 x 155 mm<br>6.3 x 6.3 x 6.10 inch |
| WEIGHT | 1.5 kg |
| OPERATING TEMPERATURE | -40°C to 80°C<br>-40°F to 176°F |
| INGRESS PROTECTION | IP67 and IP68 |

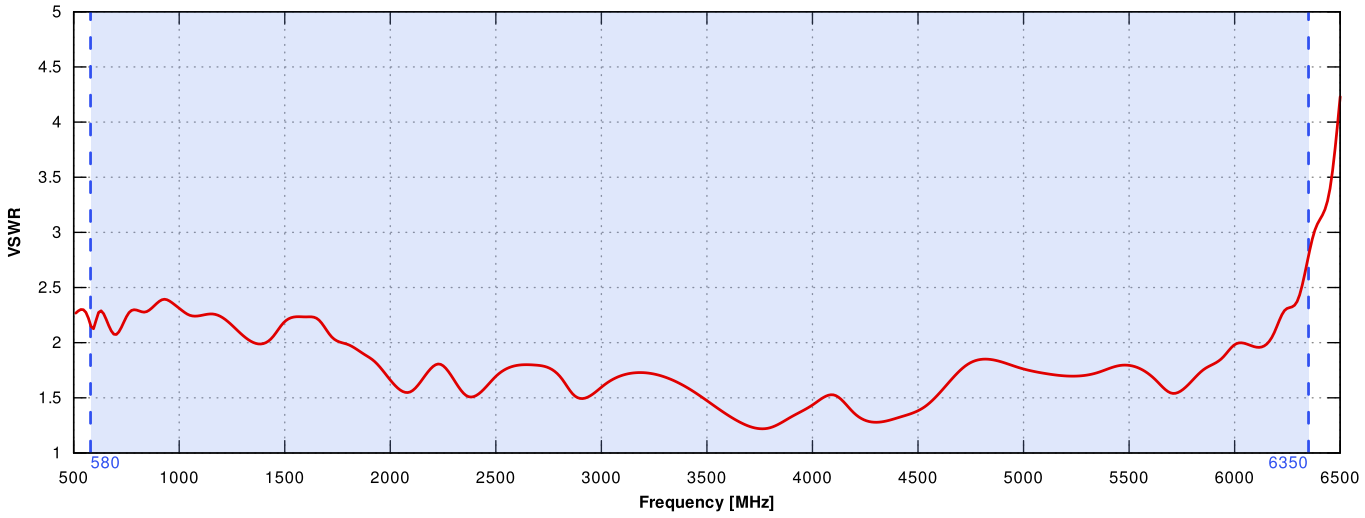
# MOUNTING KIT

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

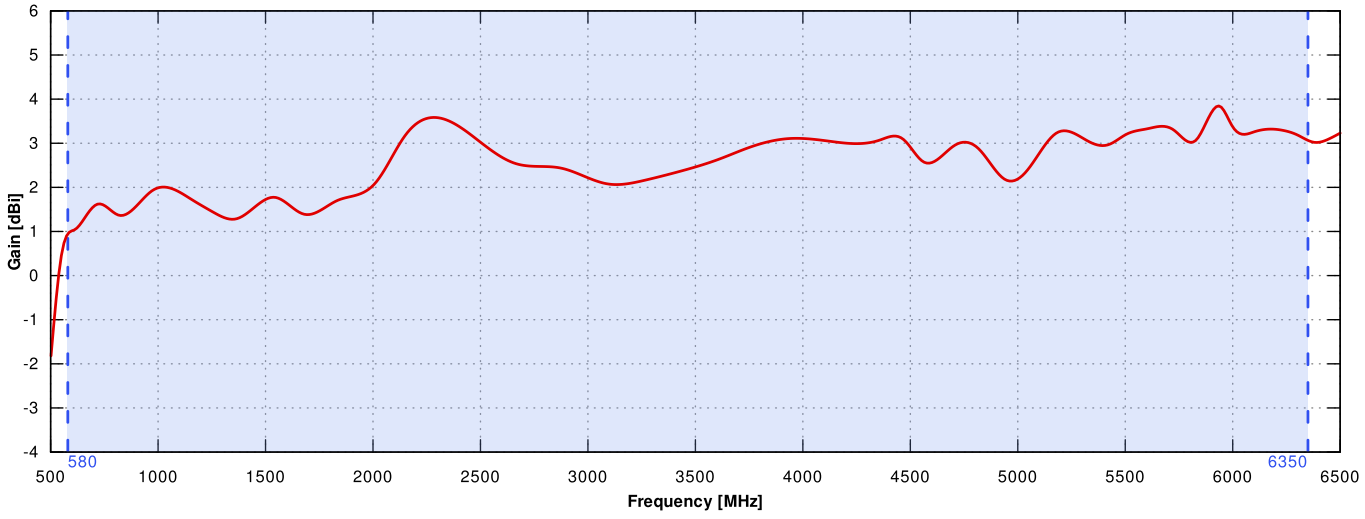

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# PLOTS

## 5G/LTE VSWR




## 5G/LTE GAIN

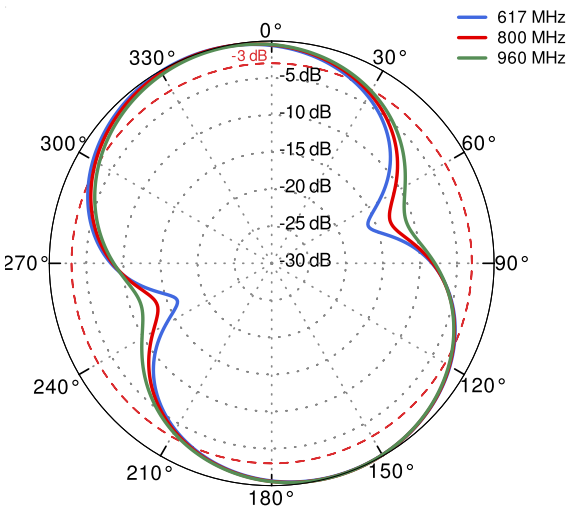




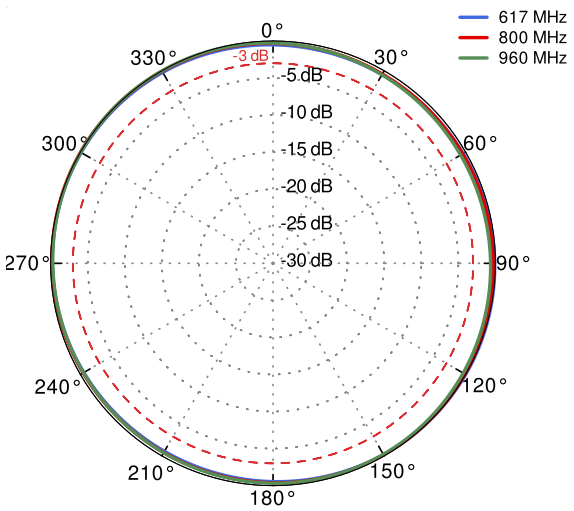

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## 5G/LTE from 617MHz to 960MHz

ELEVATION

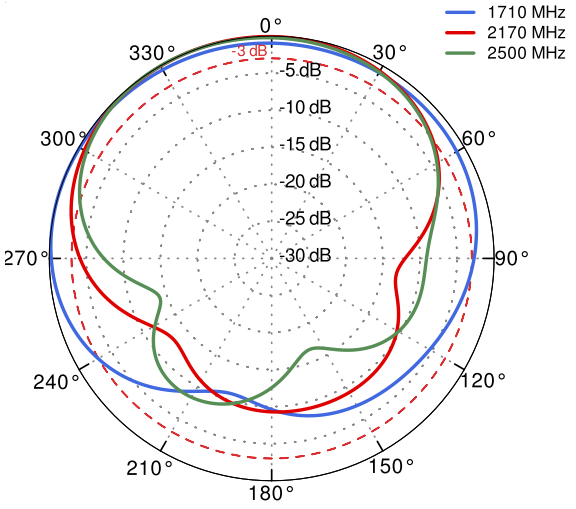



AZIMUTH

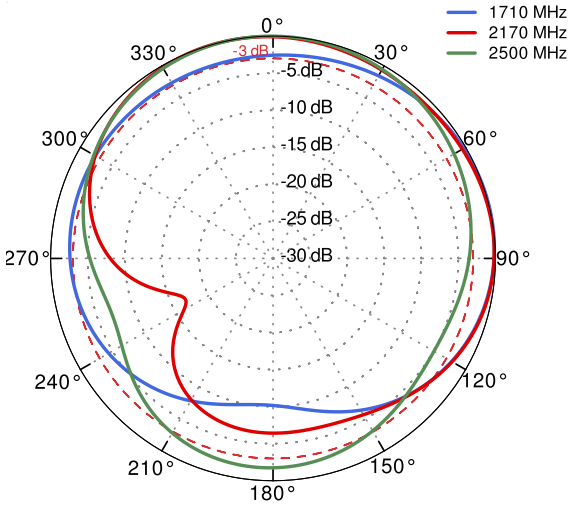



## 5G/LTE from 1.71GHz to 2.7GHz

ELEVATION




AZIMUTH

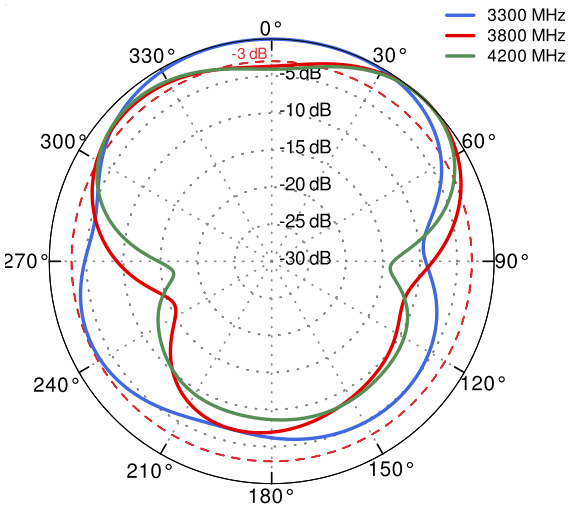




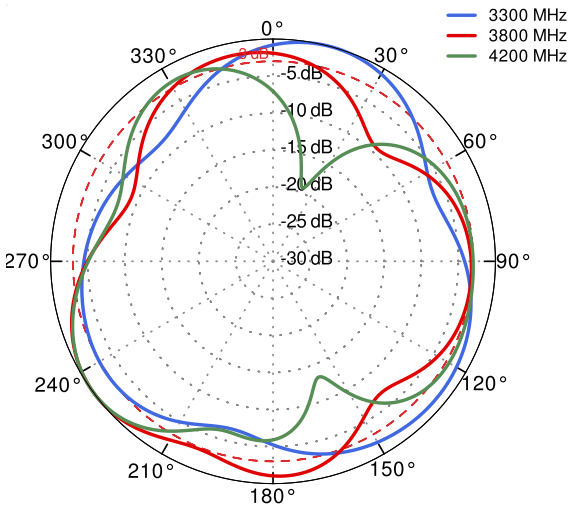
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## 5G/LTE from 3.3GHz to 4.2GHz

ELEVATION

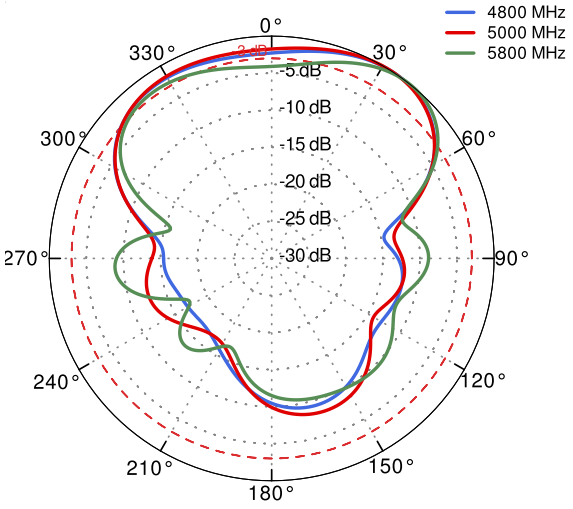



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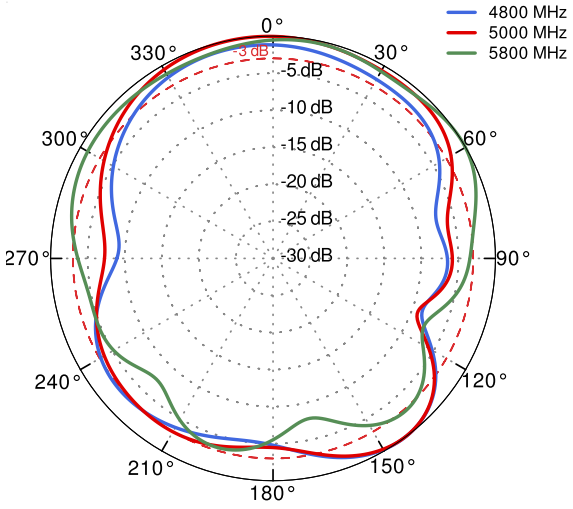



## 5G/LTE from 4.8GHz to 5.8GHz

ELEVATION



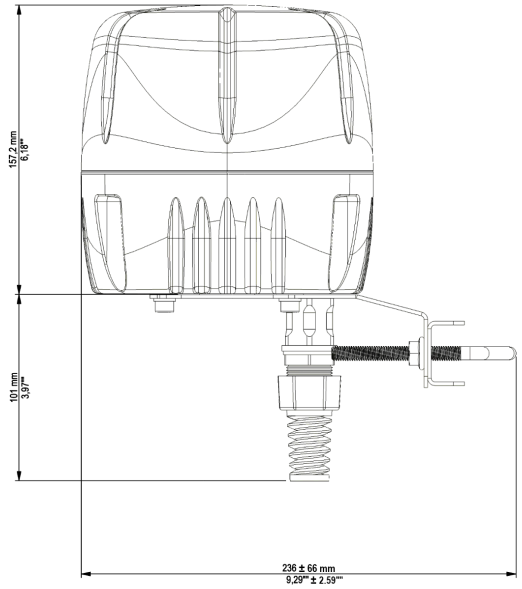

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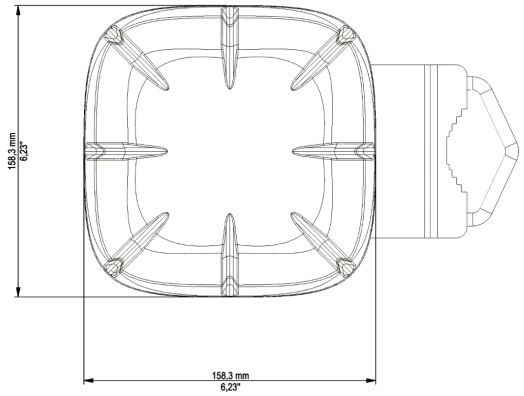




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# DIMENSIONS




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