

QuMax XR2 BI-DIRECTIONAL KIT FOR RUTX12

P/N: AXR12

SET OF TWO SEPARATE EXTRA RANGE LTE DIRECTIONAL ANTENNAS FOR BI-DIRECTIONAL CONNECTION TO TWO DIFFERENT LTE BASE STATIONS. THE MAIN ANTENNA HAS INTEGRATED ALSO DUALBAND WI-FI, GPS, BLUETOOTH ANTENNAS AND SPACE TO INSTALL TELTONIKA RUTX12. THE SECOND ANTENNA IS ONLY DIRECTIONAL LTE XR ANTENNA.

The QuMax XR2 is a bi-directional LTE eXtra Range antenna set (two separate antenna) two connect to two different LTE base station (it can also be connected to one base station in order to obtain a greater share of the transfer from that base station). The main antenna additionally has built-in Wi-Fi dual band, GPS and Bluetooth antennas, 2x Nf connectors for the second LTE antenna and a space to install the RUTX12 router inside antenna enclosure. The second antenna is LTE Extra Range directional antenna only and is in smaller enclosure. The QuMax XR2 set is dedicated to long-range connections from the LTE base station, also to two different base stations, which gives optimal use of functions such as load balancing and carrier aggregation.



VERSION 1.01

OUTDOOR

Use Teltonika router wherever you want

ANTENNA

Maximize your signal with QuWireless antennas

SOLUTION

Plug Teltonika router and you are good to go



LTE SPECIFICATION (MASTER & SLAVE)

FREQUENCY	0.694-0.96 GHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz
SUPPORTED LTE/5G BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 59, 62, 65, 66, 67, 68, 69, 85, n80, n81, n82, n83, n84, n86, n89, n90, n95
GAIN	0.694 - 0.96 GHz : 7 dBi 1.7 - 2.2 GHz : 7 dBi 2.2 - 2.7 GHz : 7 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	70°/70° +/- 15°
POLARIZATION	Dual polarized X-Pol
IMPEDANCE	50 Ω

WI-FI SPECIFICATION

FREQUENCY	2.40-2.50 GHz 4.70 - 6.00 GHz
GAIN	2.40 - 2.50 GHz : 6 dBi 4.70 - 6.00 GHz : 7 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

BLUETOOTH SPECIFICATION

FREQUENCY	2.40-2.50 GHz
GAIN	3 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

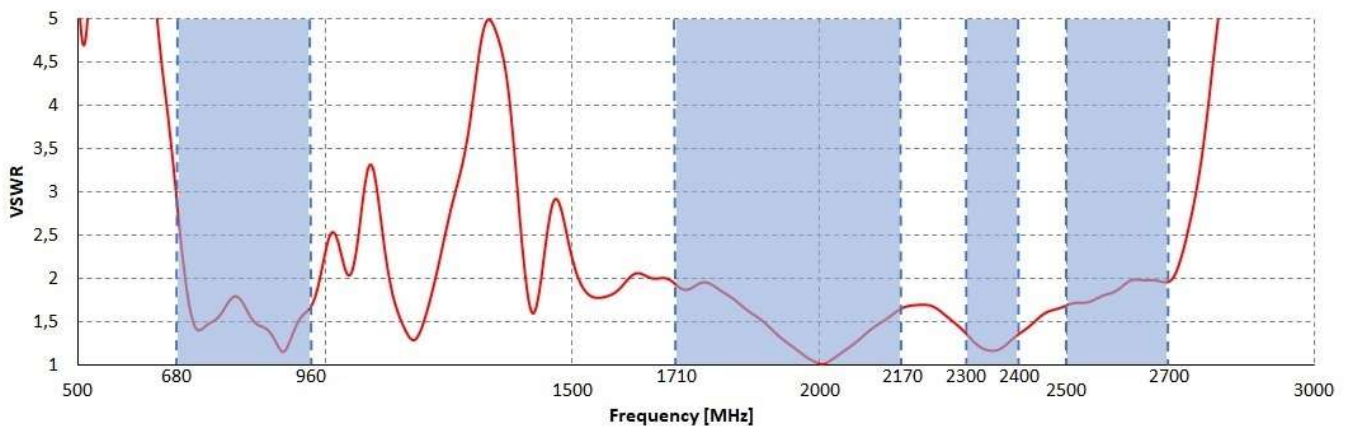
MECHANICAL SPECIFICATION (MASTER)

MATERIALS	ABS, aluminum, PTFE, FR4, Fiberglass
INGRESS PROTECTION	IP67
CONNECTOR TYPE	RJ45 + 2x Nf
DIMENSIONS	392 x 392 x 99 mm 15.43 x 15.43 x 3.90 inch
WEIGHT	3.7 kg 8.16 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F

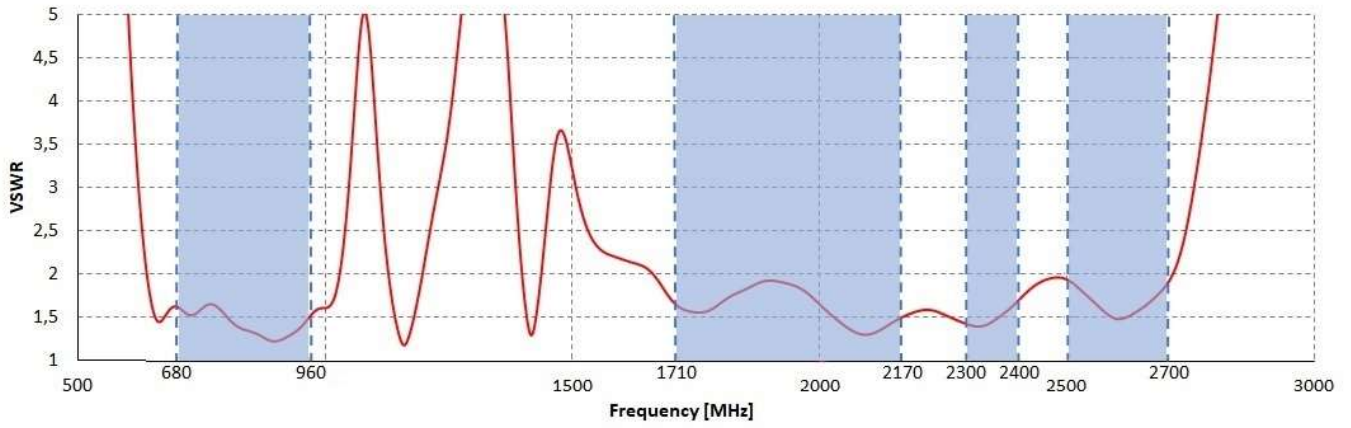
MECHANICAL SPECIFICATION (SLAVE)

MATERIALS	ABS, aluminum, FR4, Fiberglass
INGRESS PROTECTION	IP67
CABLE LENGTH	5m
CABLE TYPE	LMR195 white
CONNECTOR TYPE	2x Nm plug
DIMENSIONS	272 x 276 x 96 mm 10.71 x 10.87 x 3.78 inch
WEIGHT	1.8 kg 3.97 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F

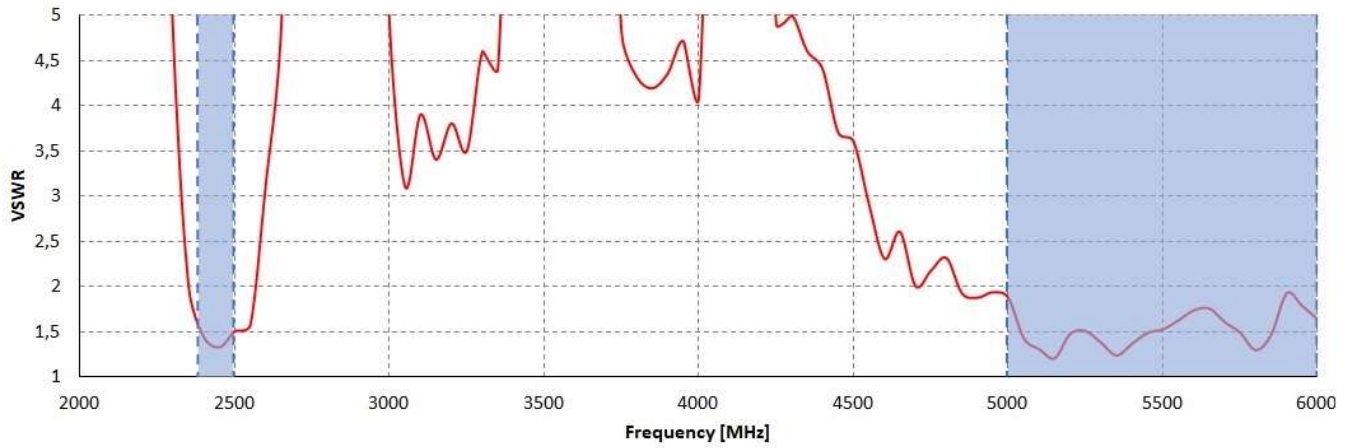
VSWR PORT 1 for LTE antenna



VSWR PORT 2 for LTE antenna



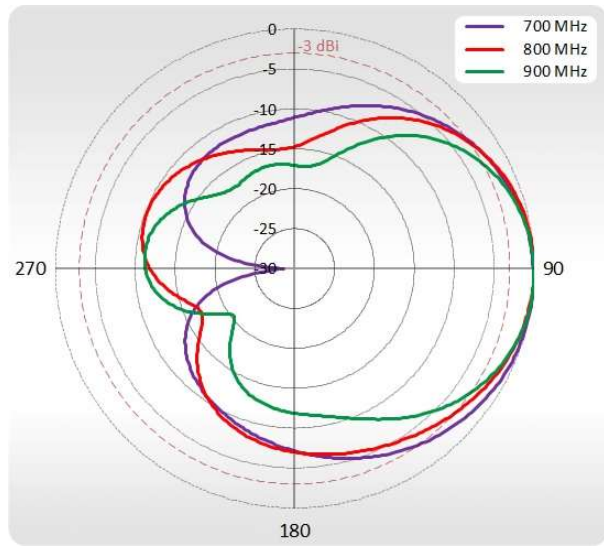
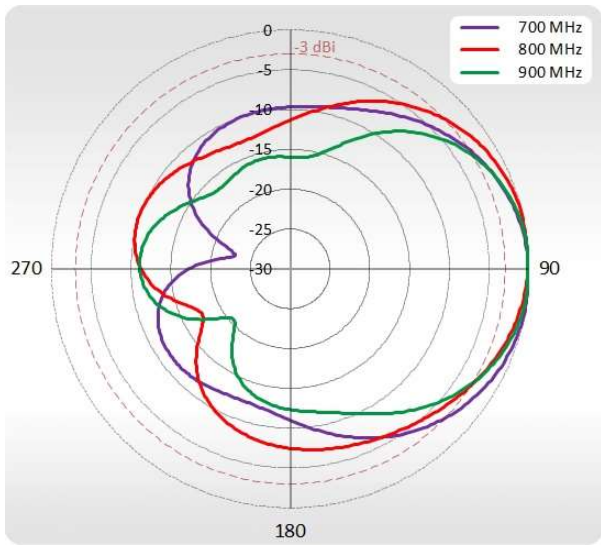
VSWR for Wi-Fi antenna



PLOTS

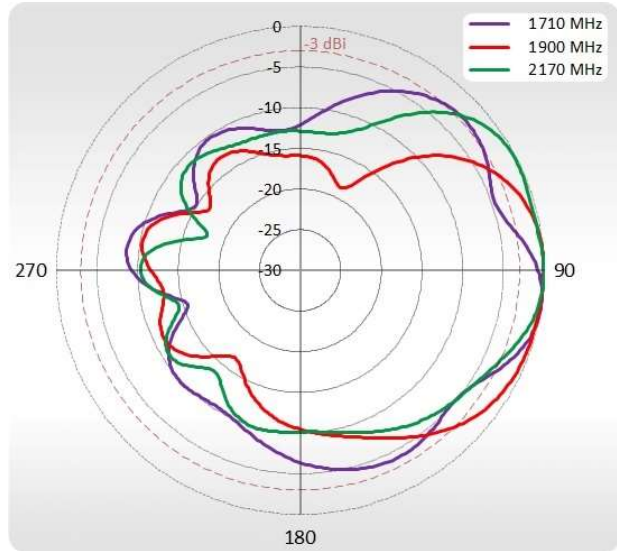
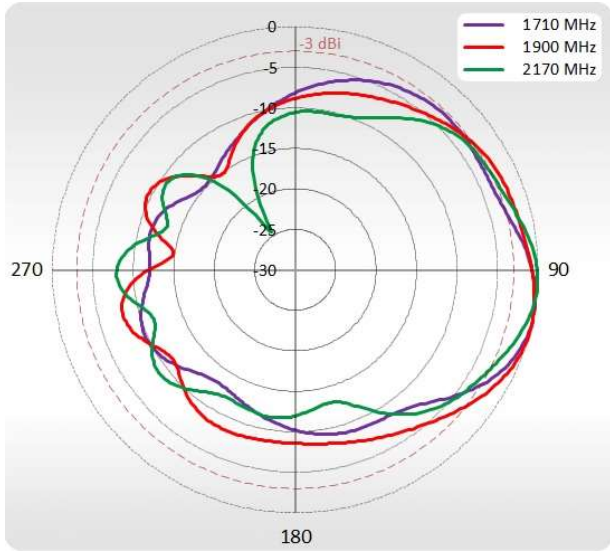
Port 1 700-900 MHz Azimuth

Port 1 700-900 MHz Elevation



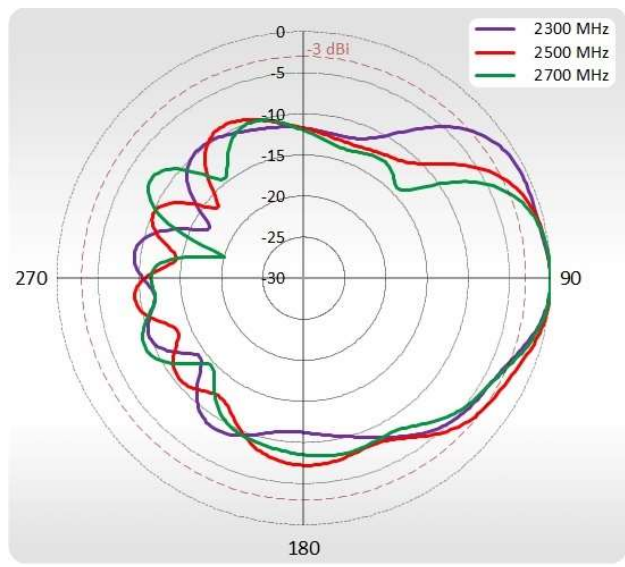
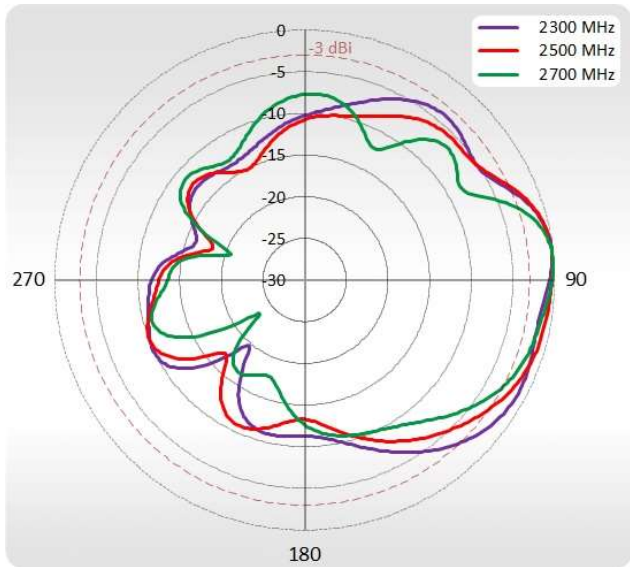
Port 1 1710-2170 MHz Azimuth

Port 1 1710-2170 MHz Elevation

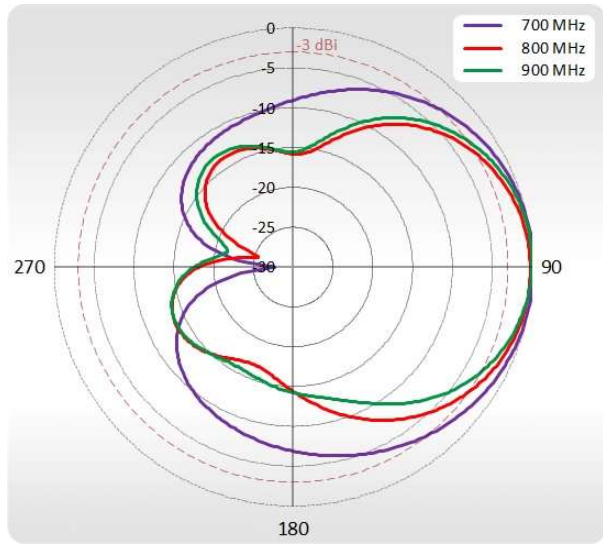


Port 1 2300-2700 MHz Azimuth

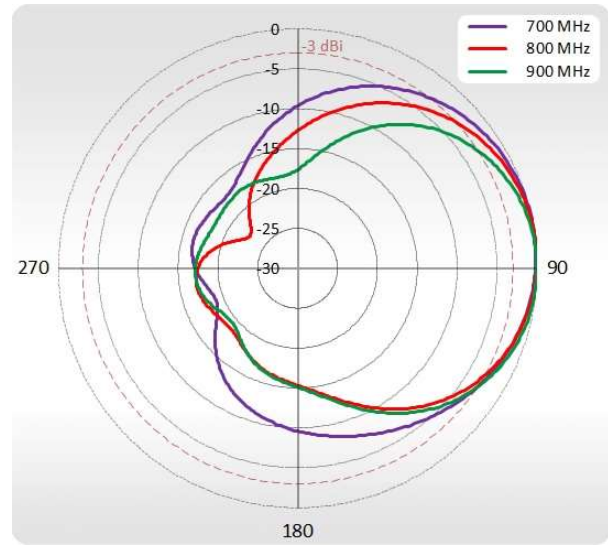
Port 1 2300-2700 MHz Elevation



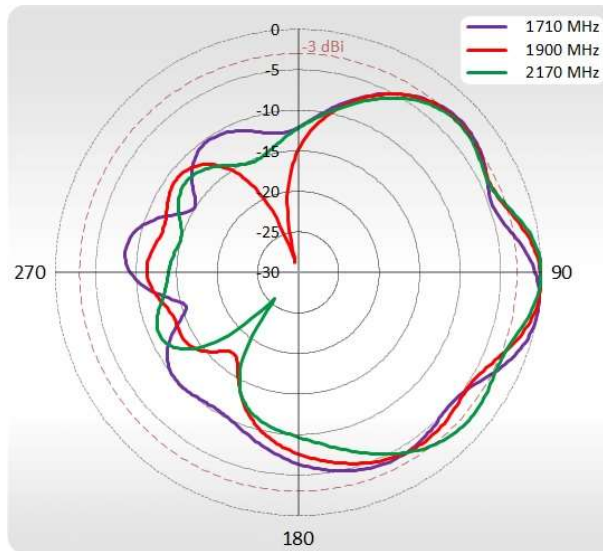
Port 2 700-900 MHz Azimuth



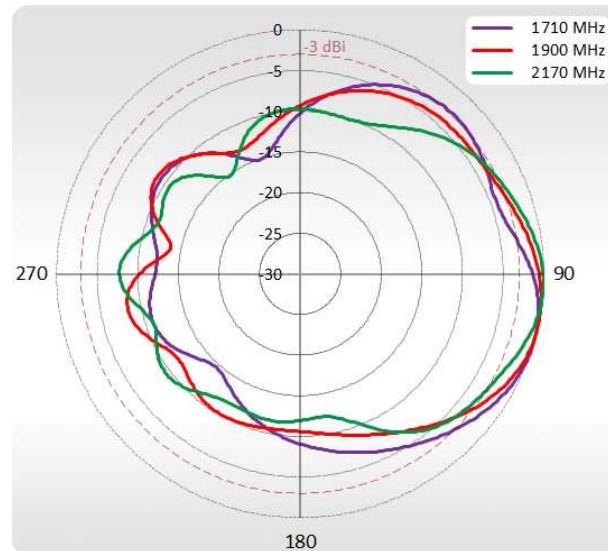
Port 2 700-900 MHz Elevation



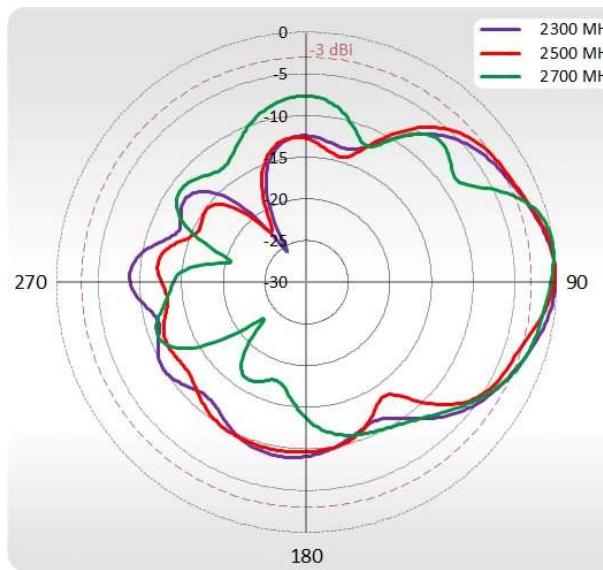
Port 2 1710-2170 MHz Azimuth



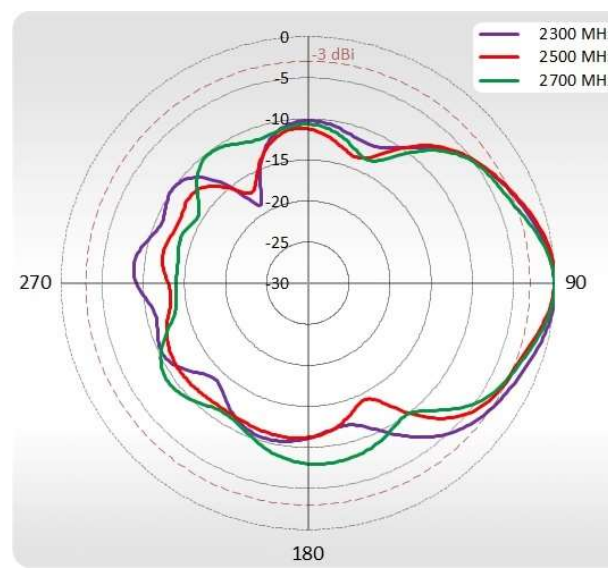
Port 2 1710-2170 MHz Elevation



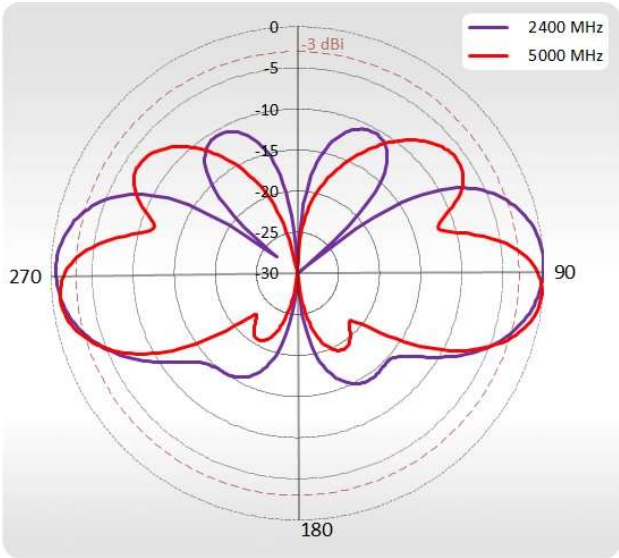
Port 2 2300-2700 MHz Azimuth



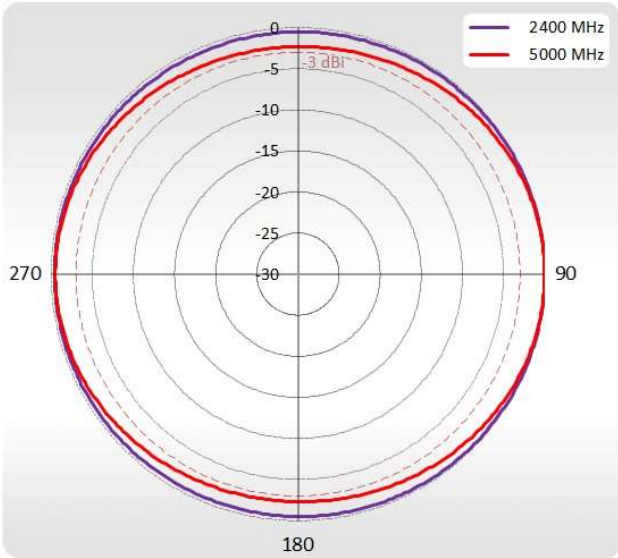
Port 2 2300-2700 MHz Elevation



Wi-Fi Azimuth

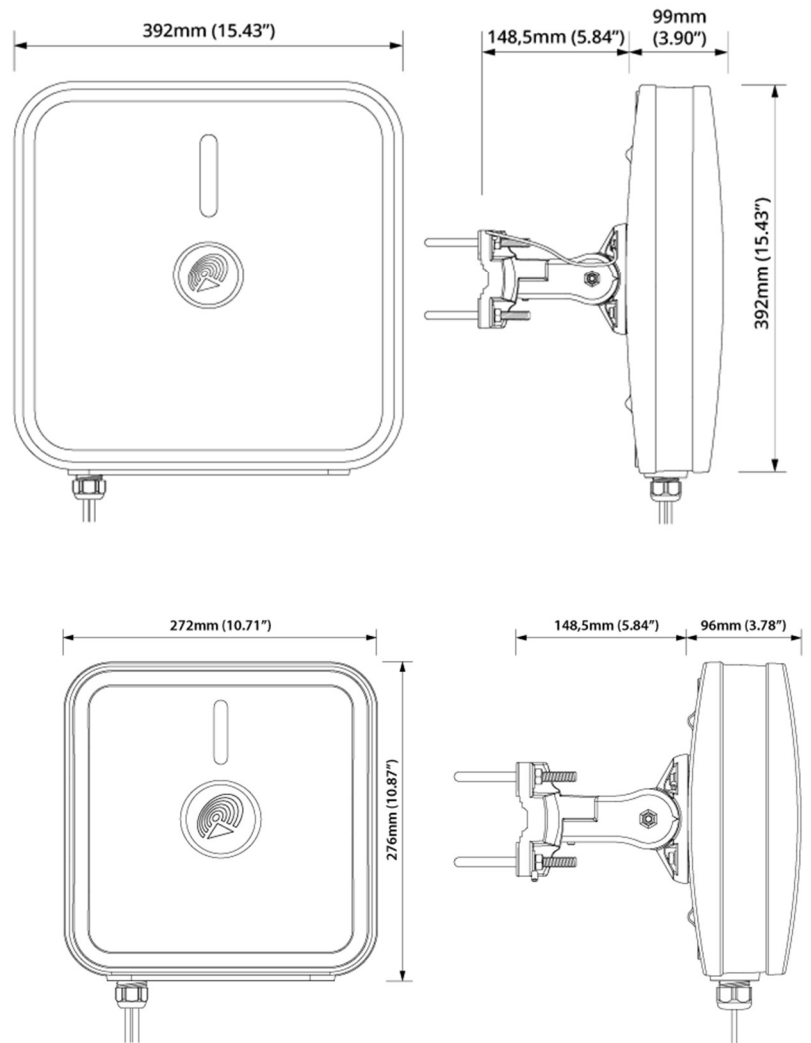


Wi-Fi Elevation





- // RUTX12 is the most powerful Dual LTE Cat 6 router in Teltonika's portfolio.
- // Two simultaneously operational LTE Cat 6 modems provide speeds up to 600 Mbps with load balancing feature.
- // The bonding functionality effectively combines multiple internet sources into one for a seamless data transfer.
- // 5 x Gigabit Ethernet ports, Wave-2 802.11ac Dual-Band Wi-Fi, Bluetooth LE, and USB interfaces and dual SIM make this device irreplaceable in applications where losing connection is not an option.
- // Packed with advanced security features like VPN, IPsec, PPTP, L2TP Stunnel and GNSS tracking.



[RUTX12 Datasheet](#)

[RUTX12 User Manual](#)

[RUTX12 Quick Start Guide](#)

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