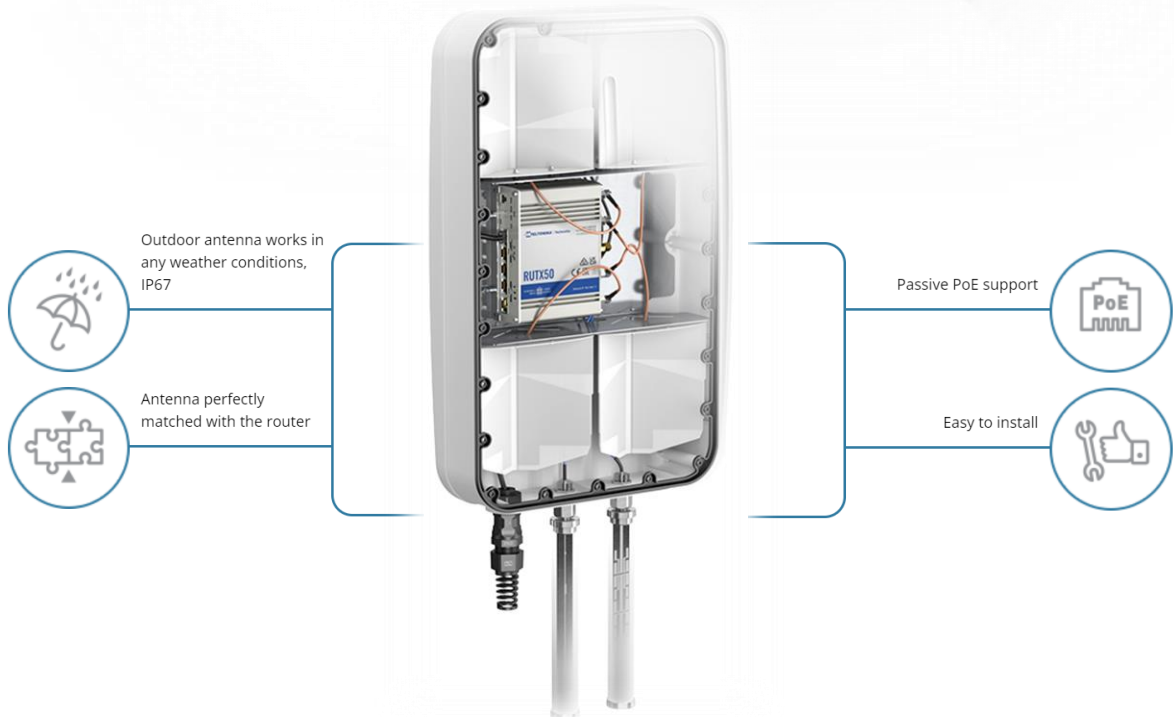


QuMax Omni for Teltonika RUTX50

**INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI OMNI ANTENNA + GPS
+ PLACE TO INSTALL TELTONIKA RUTX50 (ALL-IN-ONE)**

QuMax Omni is a 5G omnidirectional MIMO 4x4 antenna for the Teltonika RUTX50 router. The antenna covers a wide frequency range from 617MHz (Band71) to 3.8GHz. Apart from 5G, also Wi-Fi and GPS antennas are included, which means you get an all-in-one solution for your RUTX50. Additional router compartment inside the housing creates a variety of new outdoor (IP67) scenarios. It is recommended for moving applications, like trains, buses, yachts or campers, but also to improve signal quality in rural areas.

NOTE! The antenna doesn't support B32 band and n77 (above 3800MHz) band!



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 & 5G SPECIFICATION

| | |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FREQUENCY | 0.617 - 0.96 GHz 1.7 - 2.2 GHz 2.3 - 2.7 GHz 3.3 - 3.8 GHz |
| GAIN | 0.617 - 0.96 GHz: 3 dBi 1.7 - 2.2 GHz: 3,5 dBi 2.3 - 2.7 GHz: 3,5 dBi 3.3 - 3.8 GHz: 4 dBi |
| Supported LTE/5G bands | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 48, 49, 52, 53, 59, 62, 65, 66, 67, 68, 69, 71, 85, n78, n80, n81, n82, n83, n84, n86, n89, n90, n95 |
| VSWR | <1.80, max <2.00 |
| BEAMWIDTH | 360°/35° ±5° |
| POLARIZATION | Vertical |
| IMPEDANCE | 50 Ω |

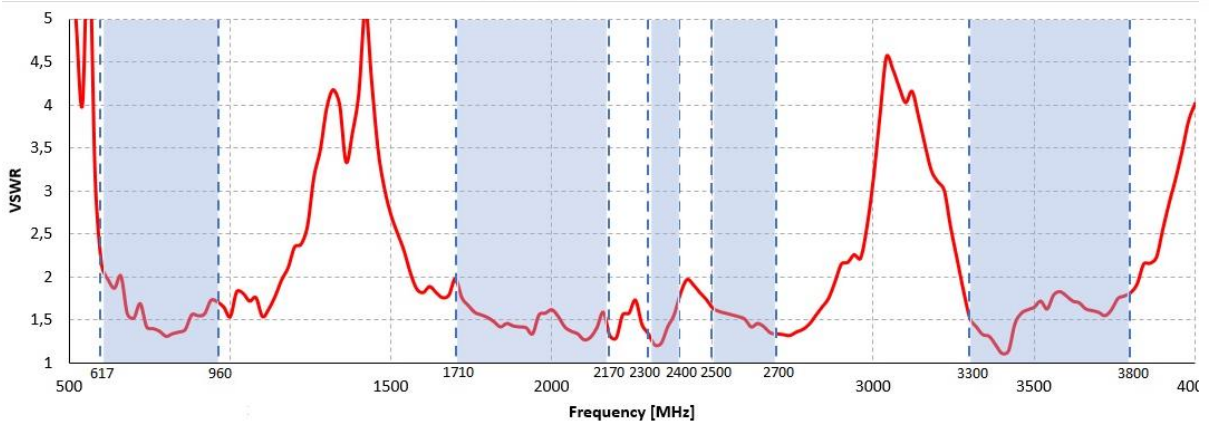
WI-FI SPECIFICATION

| | |
|--------------|--------------------------------------------------|
| 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 |

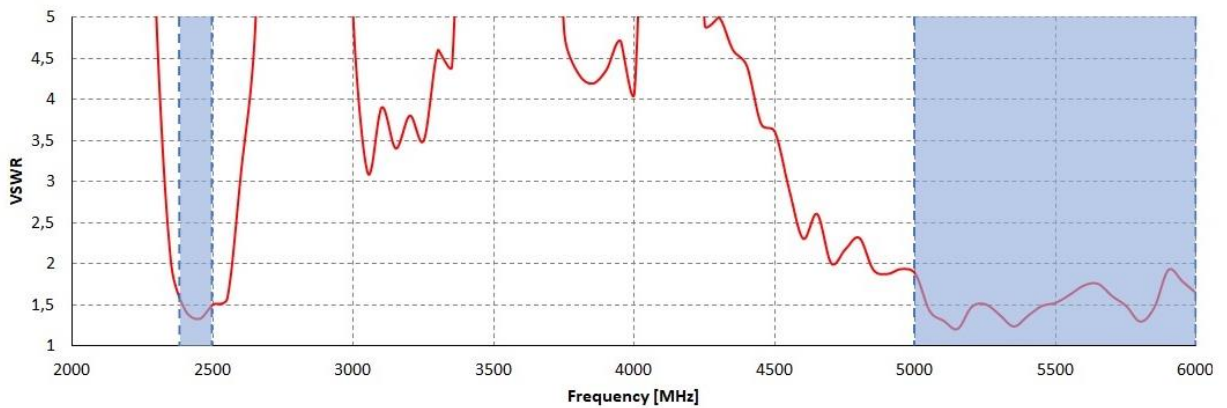
MECHANICAL SPECIFICATION

| | |
|-----------------------|-------------------------------------------------------|
| MATERIALS | ABS, aluminum, PTFE, Fiberglass |
| INGRESS PROTECTION | IP67 |
| CONNECTOR TYPE | RJ45 |
| DIMENSIONS | 486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch |
| WEIGHT | 2.5 kg 5.51 lbs |
| OPERATING TEMPERATURE | From -40°C to 75°C From -40°F to 167°F |

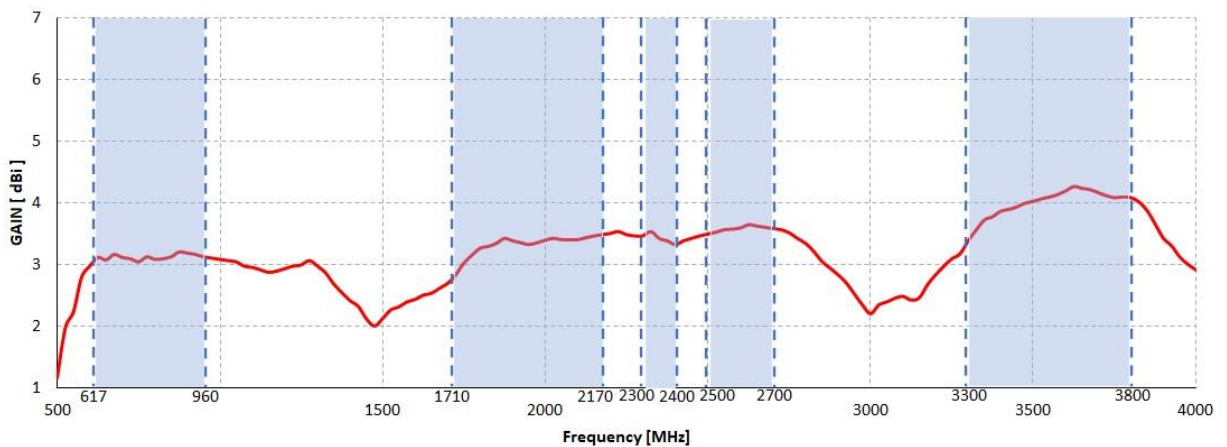
VSWR for LTE & 5G antenna



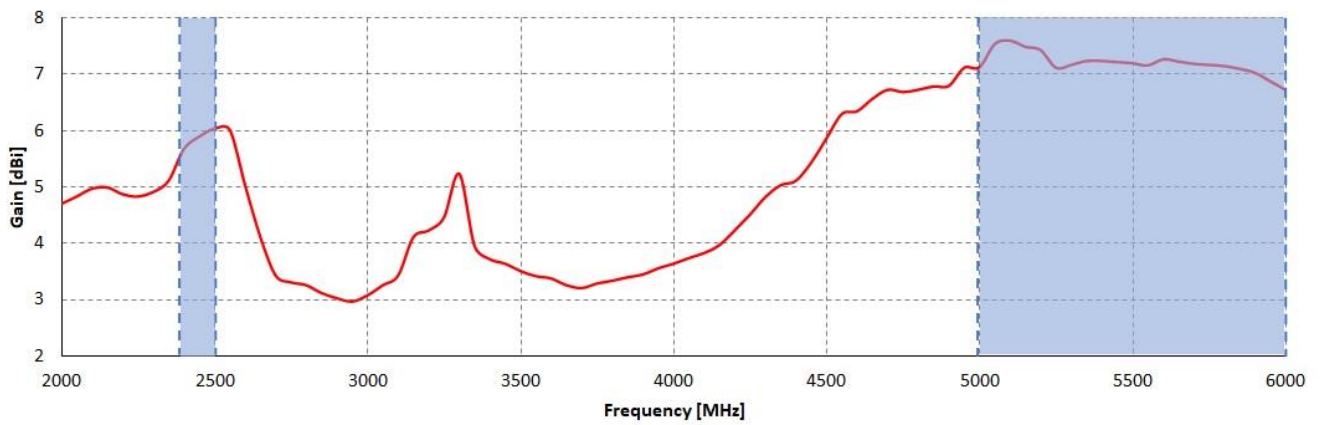
VSWR for Wi-Fi antenna



GAIN for LTE antenna

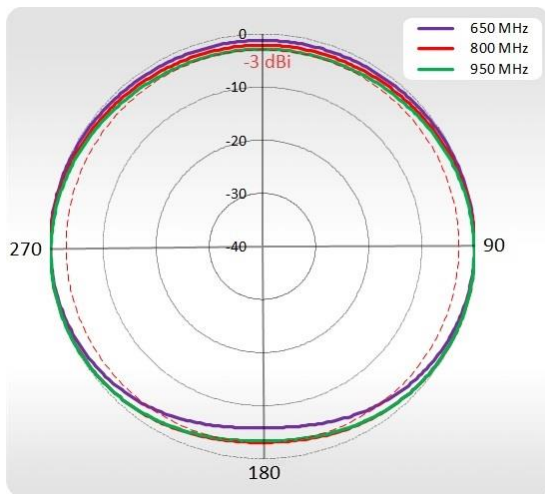


GAIN for Wi-Fi antenna

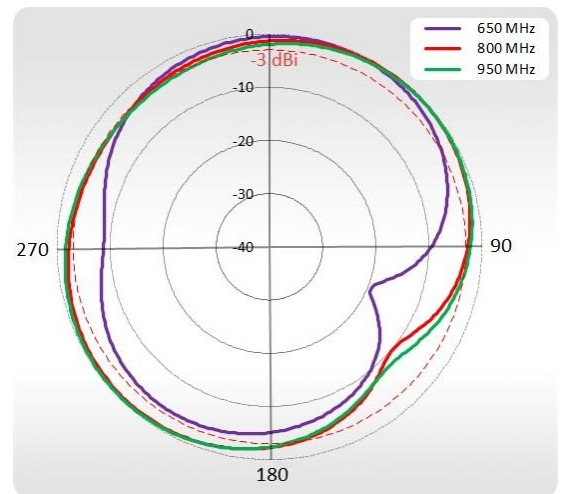


PLOTS

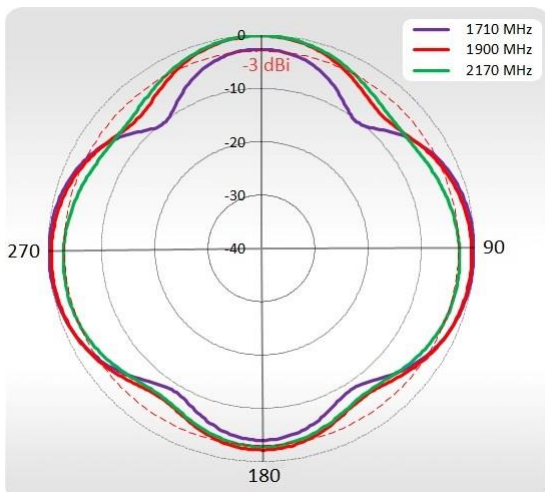
650-950 MHz Elevation



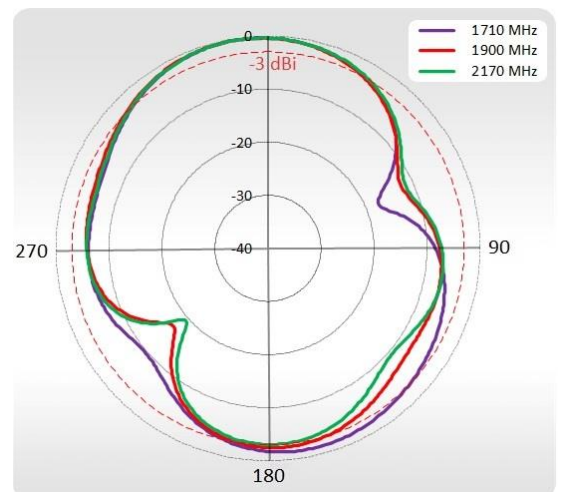
650-950 MHz Azimuth



1710-2170 MHz Elevation

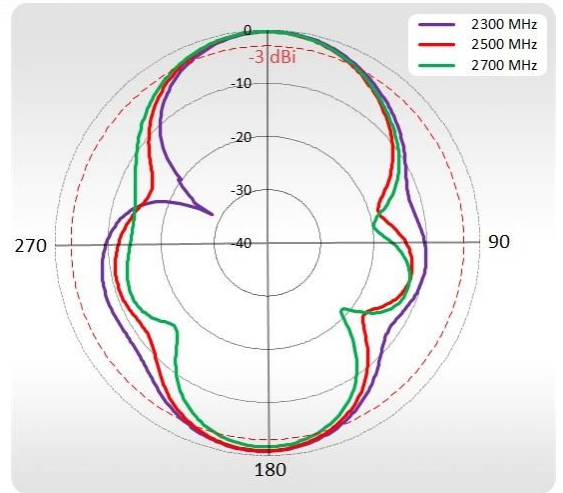
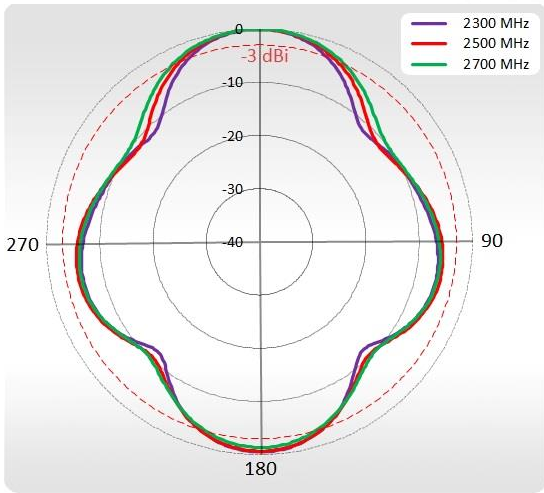


1710-2170 MHz Azimuth



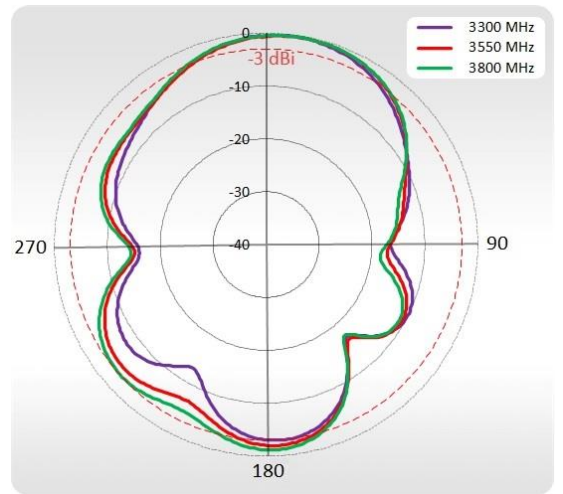
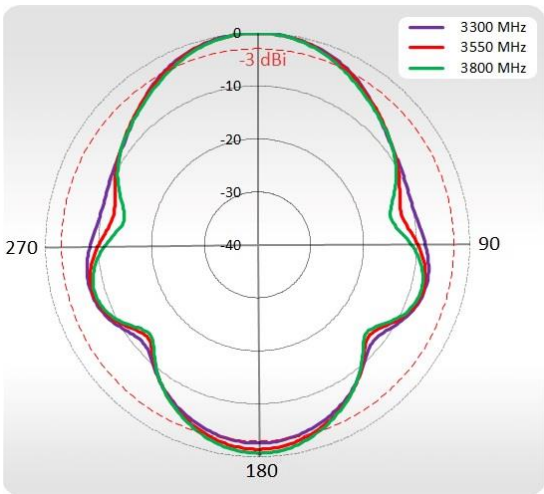
2300-2700 MHz Elevation

2300-2700 MHz Azimuth



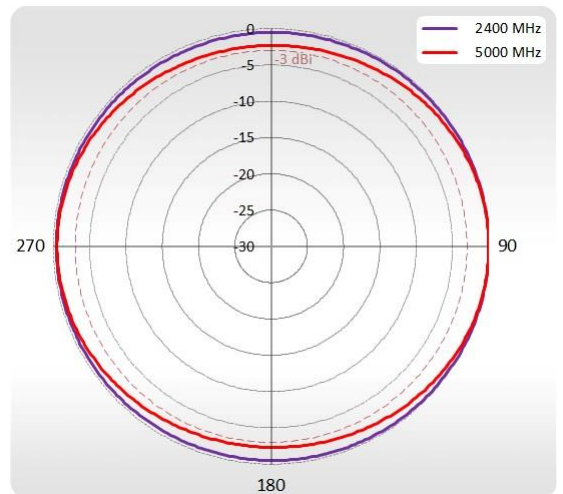
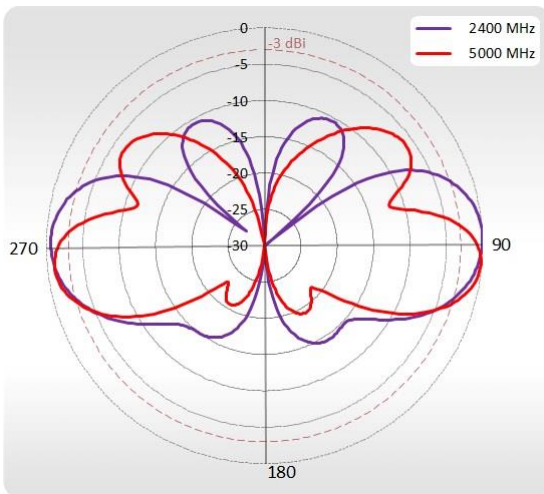
3300-3800 MHz Elevation

3300-3800 MHz Azimuth



Wi-Fi Elevation

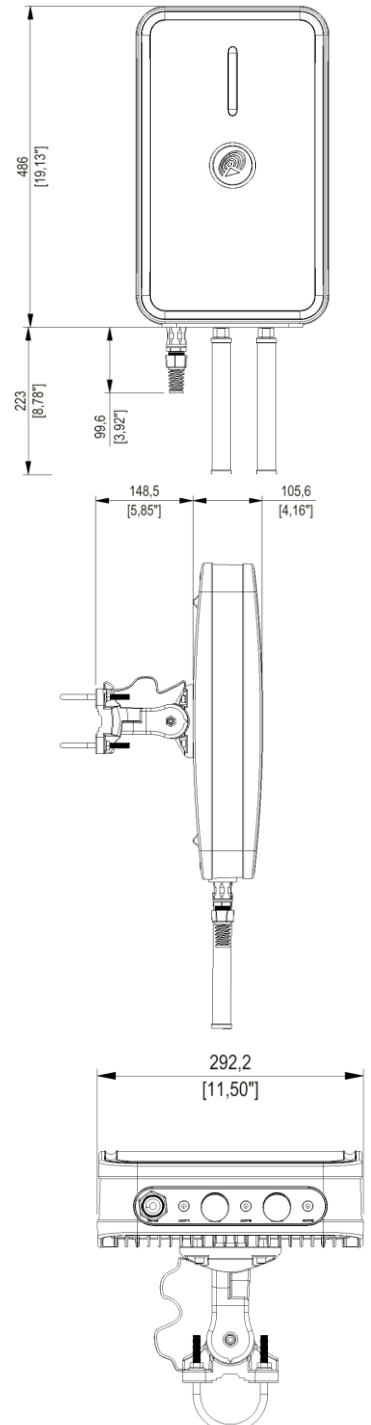
Wi-Fi Azimuth



DEVICE SPECIFICATION
DIMENSIONS
Teltonika RUTX50


- RUTX50 is your future-proof, multi-network industrial router, offering 5G mobile communication for high-speed and data-heavy applications.
- 5G dual SIM cellular communication combined with 5 Gigabit Ethernet ports and dual-band Wi-Fi enables reliable ultra-low latency data transfer.
- The power of 5G technology, combined with a wide range of interfaces and industrial hardware features, ensures adaptability for future upgrades and expansions.
- RUTX50 comes with the RutOS, which provides advanced security features and specialized industrial protocols for a wide range of professional application scenarios, and is compatible with our Remote Management System (RMS), for optimized remote management and monitoring capabilities of large fleets of devices.

[Teltonika RUTX50 Datasheet](#)


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