

# LTE Antenna Premium 450

TECHNICAL DATA SHEET

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The **LTE Antenna Premium 450** is the optimal antenna for the 450 MHz LTE network for energy suppliers and critical infrastructures. The antenna is ideal for locations with poor signal coverage in smart meter installations. The omnidirectional radiation pattern allows flexible installation.

The antenna can be installed both indoors and outdoors as it is IP67 certified. It can be mounted using 2-hole mounting, adhesive, or by using magnets (optional accessories).

### Technical details:

|                                    |                              |
|------------------------------------|------------------------------|
| <b>Frequency</b>                   | 450-470MHz                   |
| <b>Antenna gain</b>                | 0 dBd (≈2 dBi)               |
| <b>Standing wave ratio* (VSWR)</b> | < 2                          |
| <b>Impedance</b>                   | 50 Ω                         |
| <b>Polarization</b>                | Vertical                     |
| <b>Antenna type</b>                | Wall mounting                |
| <b>Radiation pattern</b>           | Omnidirectional              |
| <b>Power (max.)</b>                | 10 W                         |
| <b>Cable</b>                       | AA100                        |
| <b>Cable length</b>                | 1,5 m / 3 m                  |
| <b>Connection</b>                  | FAKRA D                      |
| <b>Temperature range</b>           | -40°C to +85°C               |
| <b>Humidity</b>                    | max. 95% RH (non-condensing) |
| <b>Wind resistance</b>             | > 150 km/h                   |
| <b>IP class</b>                    | IP67                         |
| <b>Dimensions</b>                  | 75 mm × 232 mm               |
| <b>Weight</b>                      | 100 g                        |
| <b>Conformity</b>                  | ROHS, WEEE, CE               |

Separate instructions for installation can be requested via our website.

\*The standing wave ratio (VSWR) and the efficiency of the antenna depend on the materials used in the vicinity.