

# HSP-868

Flachantenne für 868 MHz Datenfunk und RFID  
Best.Nr. 18750.xx



Richtantennen für Außenmontage, komplett mit Mastschelle.  
Gewinn 9 dBi, Anschluß N- oder TNC-Buchse. Haube aus wetterfestem ABS.



18750.TNC

## WiMo Antennen und Elektronik GmbH

Am Gäxwald 14, D-76863 Herxheim Tel. (07276) 96680 FAX 966811  
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# ANTENNA SPECIFICATION

MODEL : HSP-868

| ELECTRICAL            | SPECIFICATIONS |                  |
|-----------------------|----------------|------------------|
| Antenna Type          | Slot Patch     |                  |
| Frequency Range       | 824 – 930 MHz  |                  |
| V.S.W.R               | Less than 1.5  |                  |
| Gain                  | 9 dBi          |                  |
| Radiation Pattern     | Directional    |                  |
| Half Power Beam Width | Azimuth        | $61 \pm 2^\circ$ |
|                       | Elevation      | $64 \pm 2^\circ$ |
| Front to Back Ratio   | 15dB           |                  |
| Polarization          | Vertical       |                  |
| Nominal Impedance     | 50 Ohm         |                  |
| Power rating          | 50 W max.      |                  |

| MECHANICAL                               | SPECIFICATIONS   |  |
|--|--|--|
| Dimension (WxHxD)                        | 254 mm × 254 mm × 61mm                                     |  |
| Housing Material                         | U/V ABS, grey  |  |
| Connector                                | N or TNC female  |  |
| Operation Temperature                    | -30 ~ +60 °C   |  |
| Mount Type                               | Mast clamp<br>fitting Ø20~38 mm                            |  |
| Tilt Angle<br>(with optional tilt mount) | $\pm 80^\circ$   |  |
| Weight                                   | 1.5 kg   |  |
| part no.                                 | 18750.N: with N connector<br>18750.TNC: with TNC connector |  |

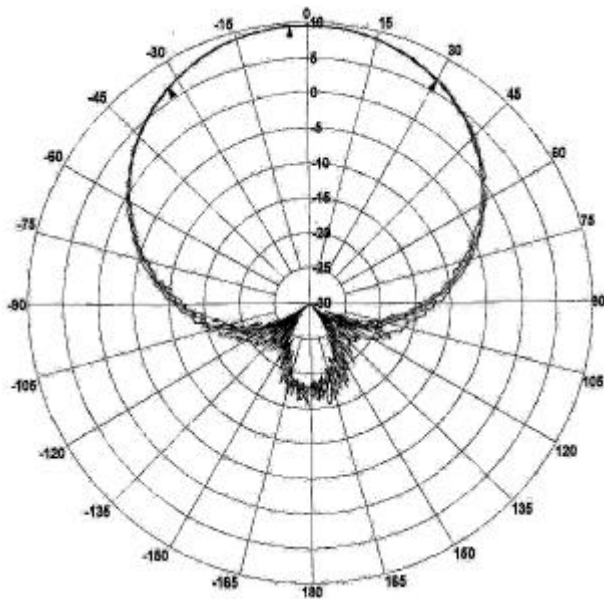
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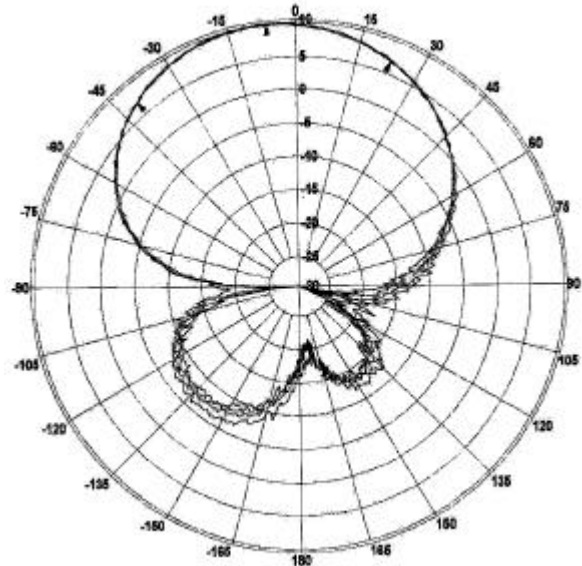
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# RADIATION PATTERN

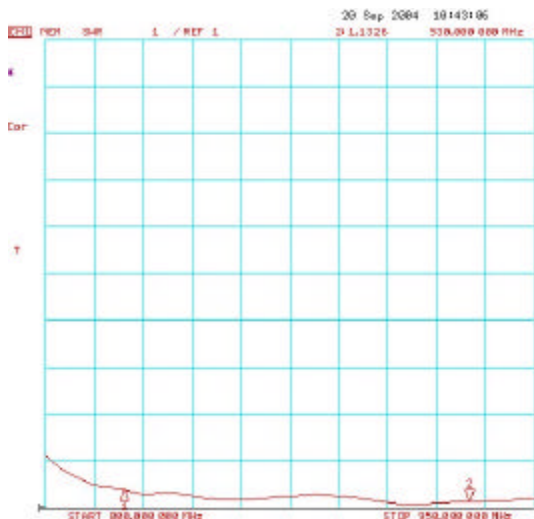


**AZIMUTH PATTERN**

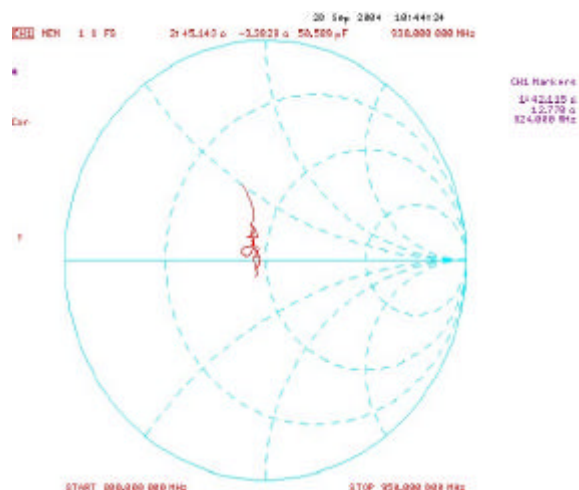


**ELEVATION PATTERN**

# S11 DATA



**VSWR**



**Impedance**

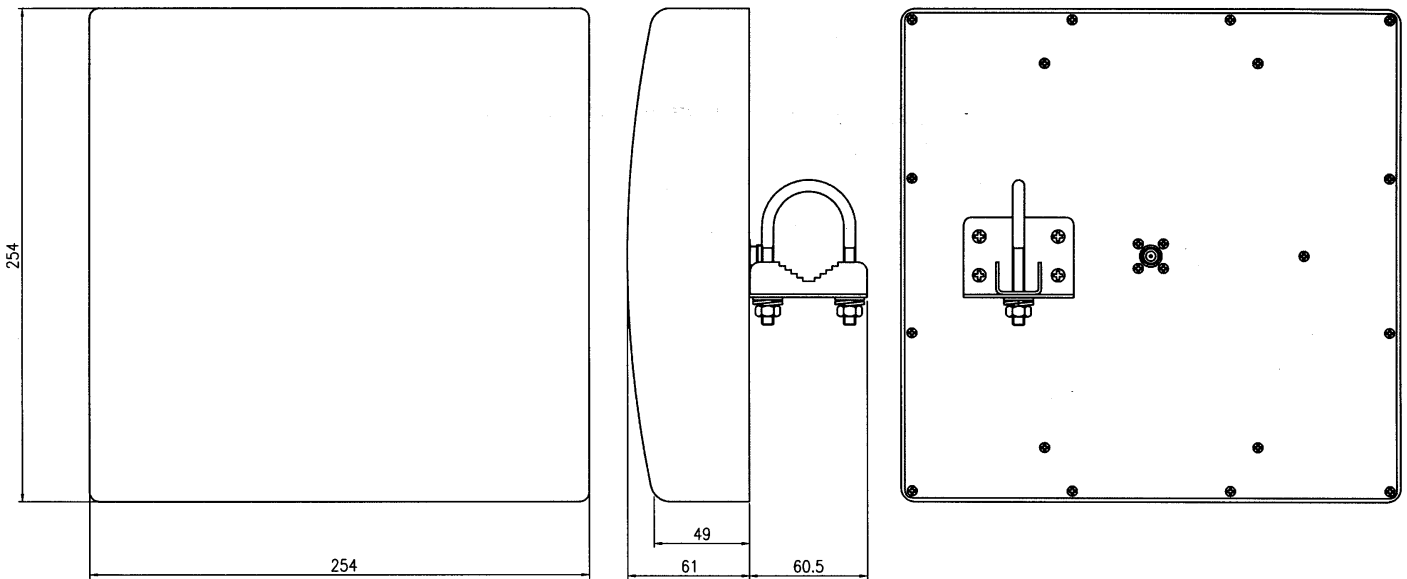
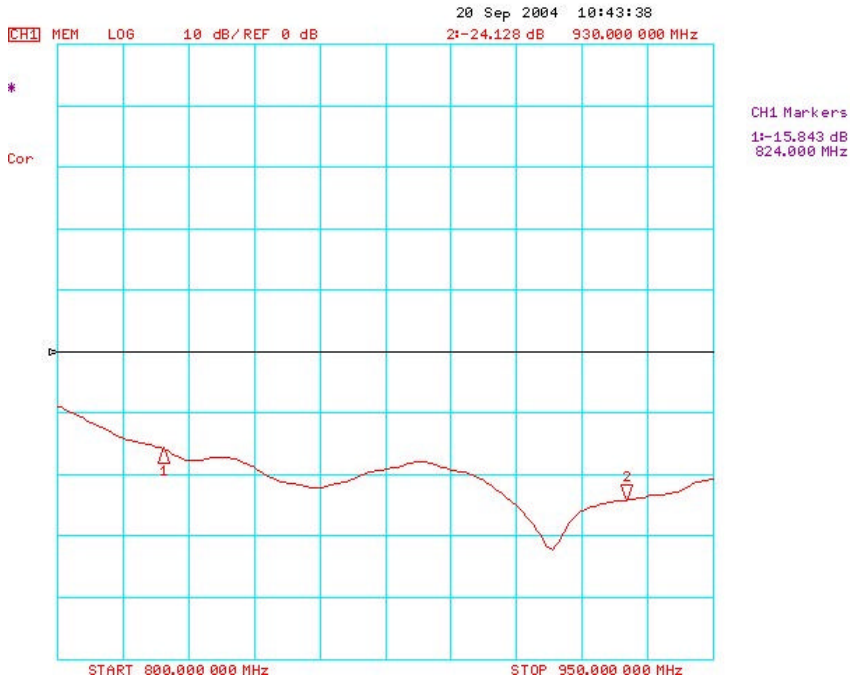
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# Return loss



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