



## HIRSCHMANN MOBILITY

**Cellular/ AM/FM  
Screw Antenna**

**CR 8521 RD S**

**Part Number 920-445-001**

### Features

- Amplifier and duplexer are integrated into base
- Detachable anti-noise rod
- Road Vehicle Roof

### Technical Data

|                   |                         |
|-------------------|-------------------------|
| Dimensions        | 64 x 46 x 47 mm         |
| Weight            | ca. 116 g               |
| Tightening torque | max. 4 Nm               |
| Temperature range | -40 °C - +85 °C         |
| Protection class  | IP6k9K (acc. ISO 20653) |
| Rod length        | 400 mm                  |
| Cable type        | RG 174                  |

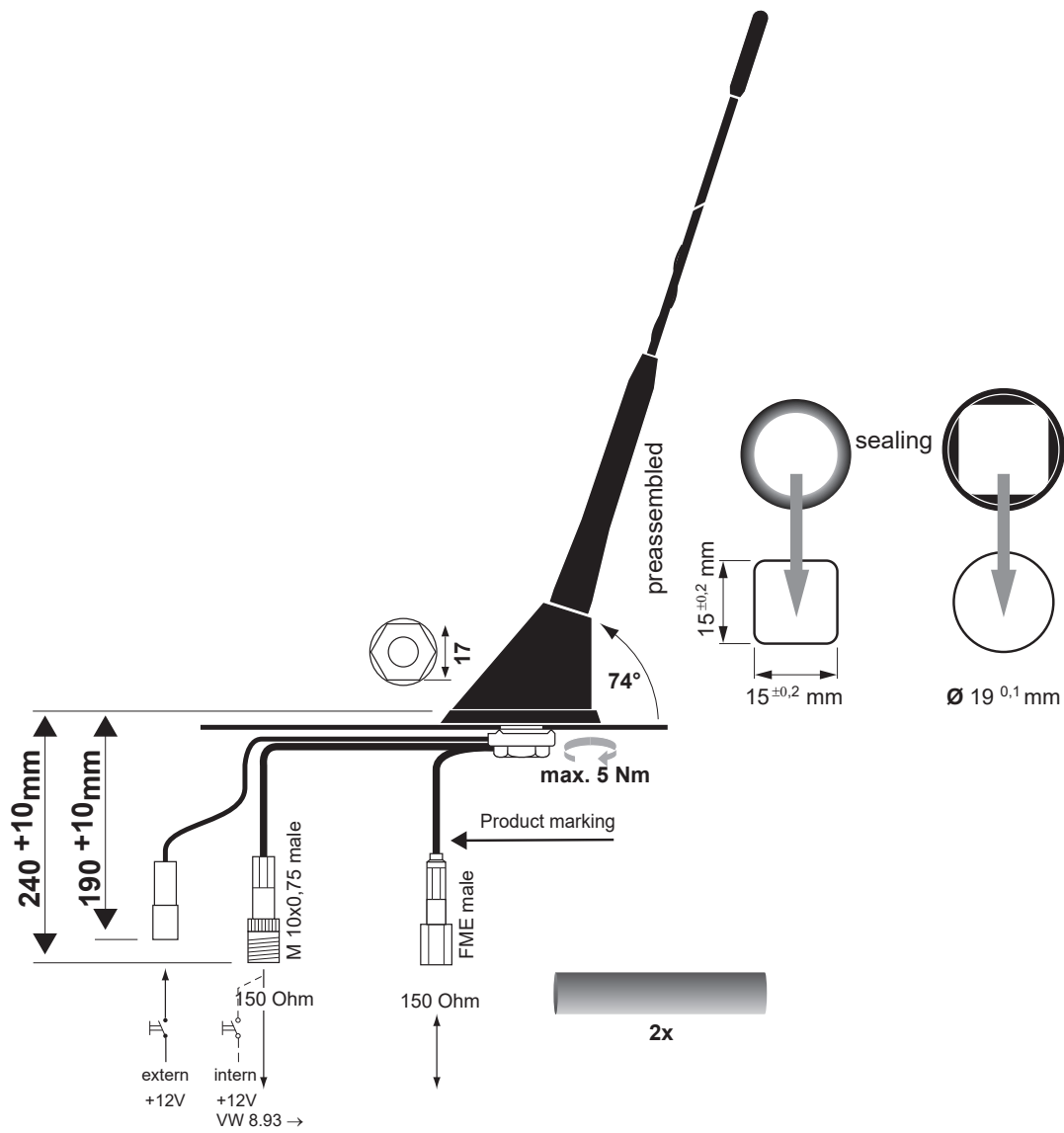
Technical Data

| Cellular          |                                                      |
|-------------------|------------------------------------------------------|
| Frequency range   | Low: 824 - 960 MHz<br>High: 1710 - 2170 MHz          |
| Services          | 2G: GSM 850/900 MHz<br>GSM 1800/1900 MHz<br>3G: UMTS |
| Return loss       | > 10 dB                                              |
| Transmitter power | max. 10 W pulsed acc. GSM standard                   |
| AM/FM             |                                                      |
| Frequency range   | AM: 0.15 - 16.2 MHz<br>FM: 87 - 108 MHz              |
| Impedance         | 150 Ohm                                              |
| Gain              | AM: 10 dB<br>FM: 6 dB                                |
| Voltage supply    | 12 VDC (9 - 16 VDC)                                  |

Versions

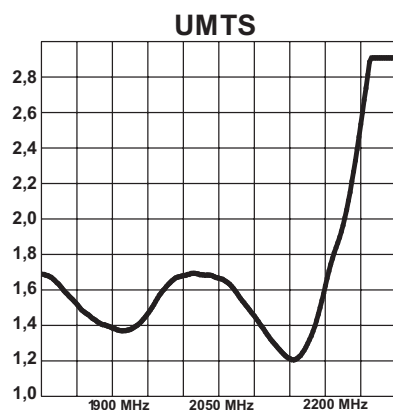
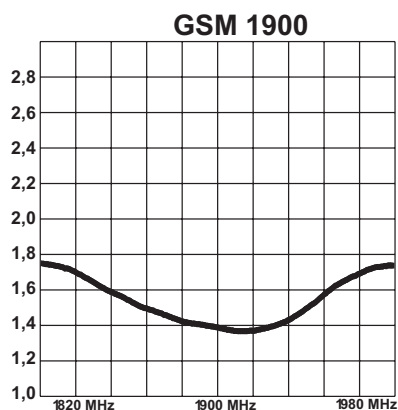
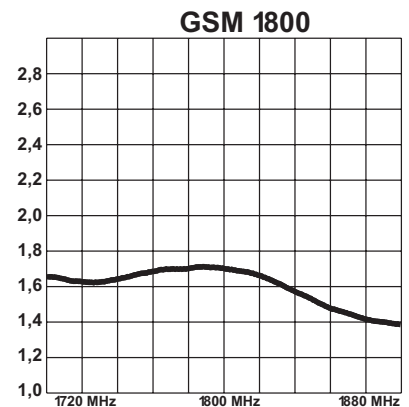
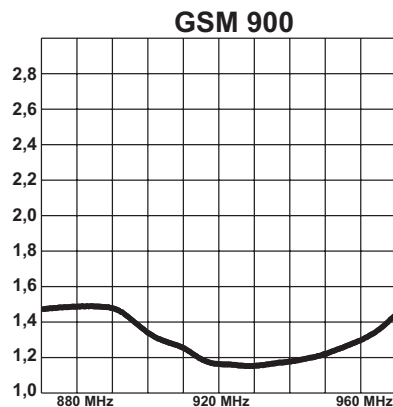
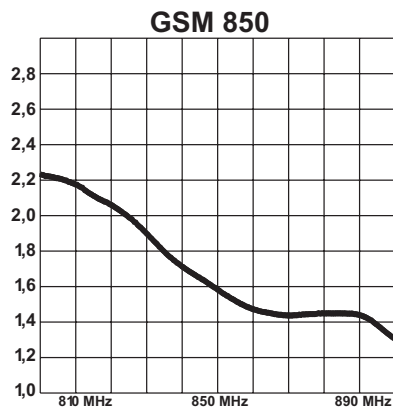
| PN          | Description  | CELL               | AM/FM                                                                          |
|-------------|--------------|--------------------|--------------------------------------------------------------------------------|
| 920-445-001 | CR 8521 RD S | 140 +10 mm<br>FMEm | AM/FM: 240 +10 mm<br>M10 x 0.75m<br>Power: 190 +10 mm<br>2.8 mm blade terminal |

## Technical Drawing



## Antenna diagrams

Typ. VSWR


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