

# Направленная антенна HE300SE



Диапазон 500 МГц - 7.5 ГГц

Архангельск (8182)63-90-72  
Астана (7172)727-132  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06

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Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81

Киргизия (996)312-96-24-47

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16

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Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13

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Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

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# R&S®HE300CE Active Directional Antenna

500 MHz to 7.5 GHz

Portable directional antenna for locating transmitters  
and interfering sources



The R&S®HE300CE active directional antenna locates transmitters and interference sources when combined with portable receivers (e.g. the R&S®PR100).

The overall frequency range from 500 MHz to 7.5 GHz is covered by a log-periodic dipole array antenna structure with a distinct directional pattern. The antenna does not have to be tuned within its frequency range.

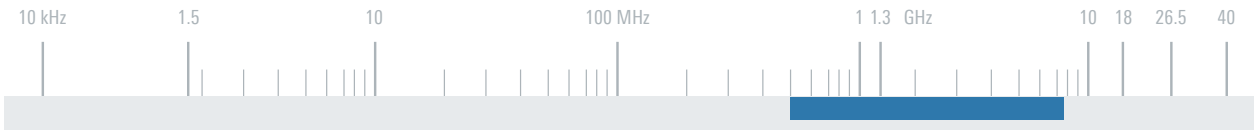
A built-in, low-noise wideband amplifier can be activated to enhance system sensitivity (active mode). In passive mode, the amplifier is bypassed so that the R&S®HE300CE can also be used in the vicinity of strong transmitters.

The antenna is mainly intended for vertical polarization, but can be rotated 90° to provide horizontal polarization for testing.

## Key facts

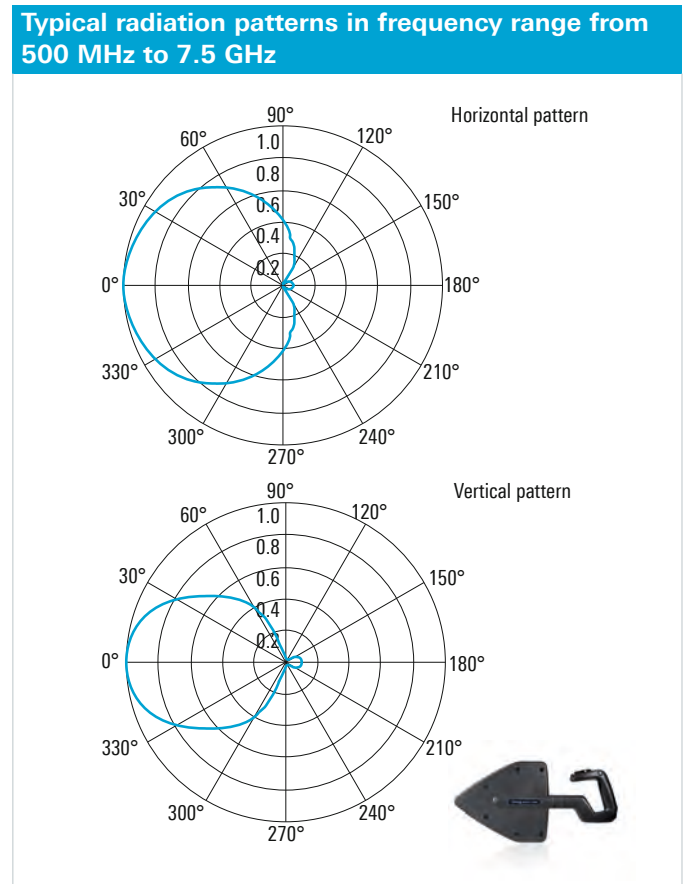
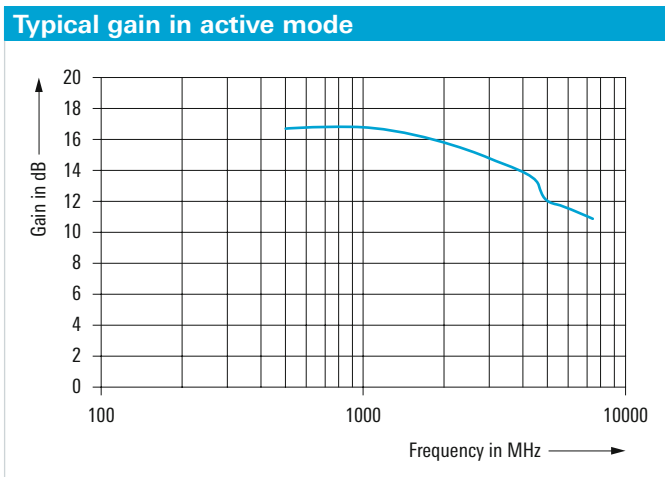
- Unambiguous and nearly frequency-independent radiation pattern
- Direction finding by orienting antenna toward maximum field strength
- Wideband performance in a compact size
- Low weight
- Wide dynamic range due to switchable preamplifier
- Individual calibration





| Specifications         |                                                    |
|------------------------|----------------------------------------------------|
| Frequency range        | 500 MHz to 7.5 GHz                                 |
| Polarization           | vertical (horizontal by rotating the antenna 90°)  |
| VSWR                   | < 2.5 (typ.)                                       |
| Nominal impedance      | 50 Ω                                               |
| RF connector           | N male on cable (approx. 1 m emerging from handle) |
| Power supply           |                                                    |
| Batteries              | 1.5 V AA cells (6 ×)                               |
| Rechargeable batteries | 1.2 V (6 ×)                                        |
| External               | 7 V to 9 V DC via plug                             |
| Current drain          | approx. 100 mA at +25°C                            |

|                             |                                                              |
|-----------------------------|--------------------------------------------------------------|
| Operating temperature range | -30°C to +55°C                                               |
| MTBF                        | > 50 000 h (in line with MIL-HDBK-217E, ground fixed, +25°C) |
| Dimensions (W × H × L)      | approx. 310 mm × 90 mm × 580 mm (12.2 in × 3.5 in × 22.8 in) |
| Weight                      | approx. 1.2 kg (2.7 lb)                                      |



| Ordering information       | Type        | Order No.    |
|----------------------------|-------------|--------------|
| Active Directional Antenna | R&S®HE300CE | 4080.9505.02 |
| <b>Recommended extras</b>  |             |              |
| Portable Receiver          | R&S®PR100   | 4071.9006.02 |



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