Логопериодическая антенна HL050S7

Диапазон 850 МГц - 26.5 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
Ижевск (3412)26-03-58
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)312-96-26-47
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
Россия (495)268-04-70
Пермь (342)205-81-47
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
Казахстан (772)734-952-31
Сургут (3462)77-98-35
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®HL050S7 LOG-PERIODIC DIRECTIONAL ANTENNA WITH PREAMPLIFIER

850 MHz to 26.5 GHz

Log-periodic directional antenna consisting of the R&S®HL050 and a broadband preamplifier for linear polarization

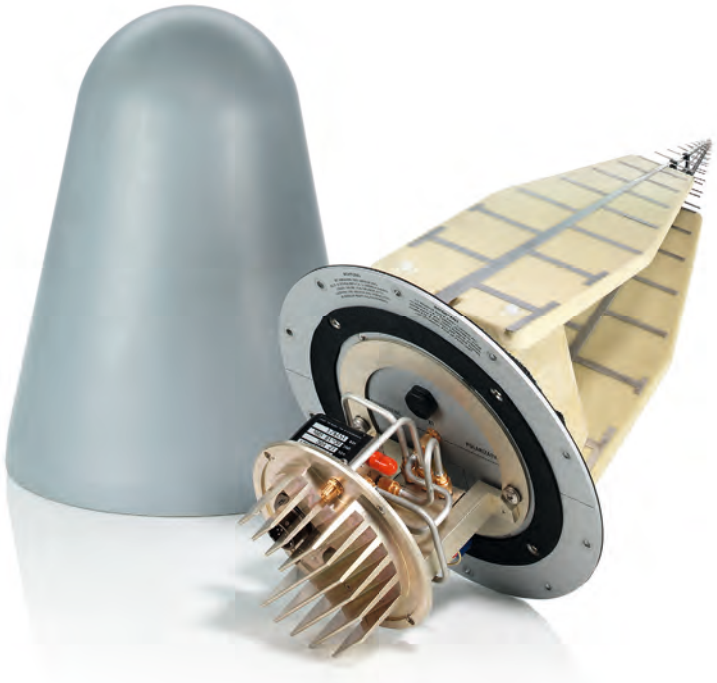
The R&S®HL050S7 log-periodic directional antenna consists of the R&S®HL050 log-periodic antenna with preamplifier and is suitable for the reception of linearly polarized waves.

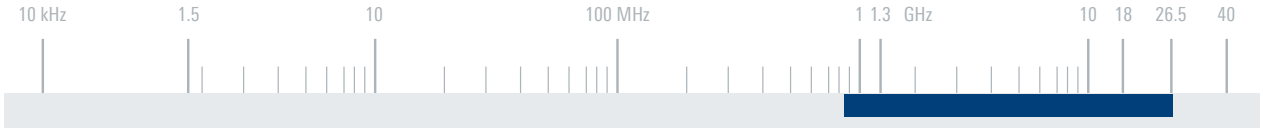
The extremely broadband and low-noise integrated preamplifier prevents a significant reduction in S/N due to loss in RF cables connecting the antenna to a receiver.

Due to its almost rotation-symmetrical radiation pattern, the R&S®HL050S7 offers optimum secondary radiation characteristics for use as a feed in reflector antennas. It is ideal as a feed for the R&S®AC008 microwave directional antennas.

Key facts

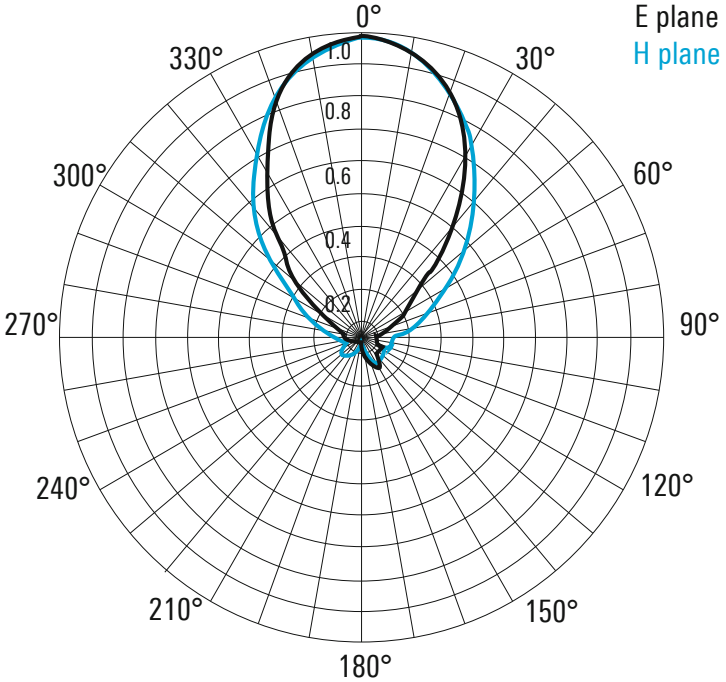
- Extremely wide frequency range
- Rotation-symmetrical radiation patterns
- Stable radiation patterns/optimum EUT illumination
- High gain due to V-shaped configuration of antenna elements
- No reduction in S/N due to the use of a low-noise amplifier at the antenna output
- Usable as a feed for R&S®AC008 microwave directional antenna
- Preamplifier can be bypassed via control unit, e.g. at high field strengths





Specifications		
Frequency range		850 MHz to 26.5 GHz
Polarization		linear
Input impedance		50 Ω
VSWR (with preamplifier)		< 3
Passive antenna gain		typ. 7.5 dBi
Realized gain (active)		typ. 37.5 dB
Noise figure		max. 3.6 dB
1 dB compression point (at output)		min. > 5 dBm
Power supply	amplifier	15 V/0.2 A (max.)
	switching relay	12 V/0.75 A (max.)
Connector		PC 3.5 female
Control connector		10 pin female
MTBF		> 100 000 h
Operating temperature range		–30 °C to +55 °C
Max. wind speed		180 km/h
Dimensions	Ø × H	approx. 210 mm × 390 mm (8 in × 15 in)
Weight		approx. 1.7 kg (4 lb)

Typical radiation patterns



Ordering information	Type	Order No.
Log-periodic directional antenna with preamplifier	R&S®HL050S7	4064.6040.02
Recommended extras		
Control unit	R&S®GB016	4056.7006.03
Control cable, length: 10 m	R&S®GB016Z1	4056.7270.02
Microwave cable, length: 5 m	R&S®AC008W2	0751.6931.04
Microwave cable, length: 10 m	R&S®AC008W2	0751.6931.05
Adapter for R&S®HZ-1	R&S®HL025Z1	4053.4006.03
Wooden tripod	R&S®HZ-1	0837.2310.02
Module for R&S®OSP, for controlling R&S®HL024Sx and R&S®HL050S7	R&S®OSP-BS016	4118.6007.03
Open switch and control platform, without touchscreen	R&S®OSP-220	1528.3105.02
Open switch and control platform, with touchscreen	R&S®OSP-230	1528.3105.03