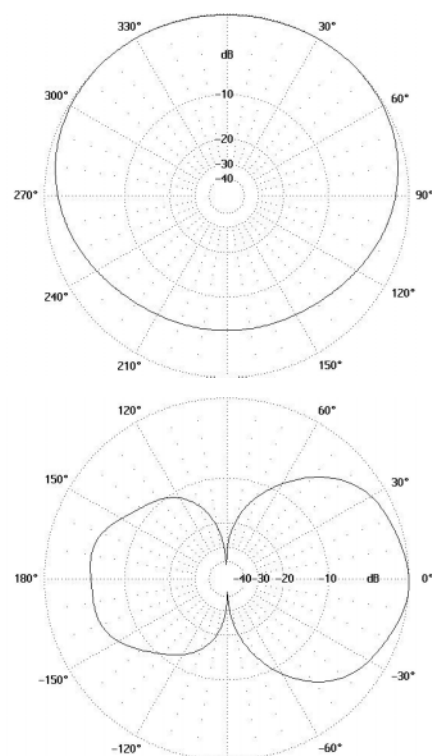
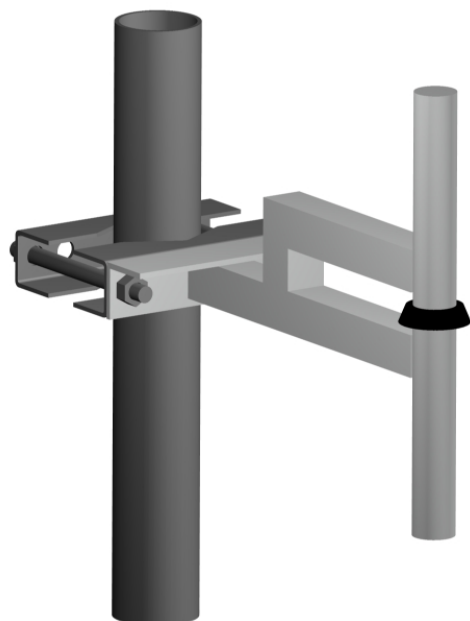


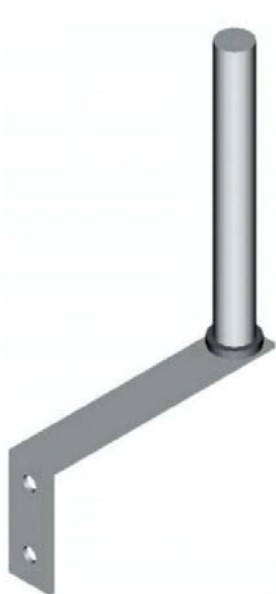
## SIDE MOUNTED DIPOLE ANTENNA AV1314



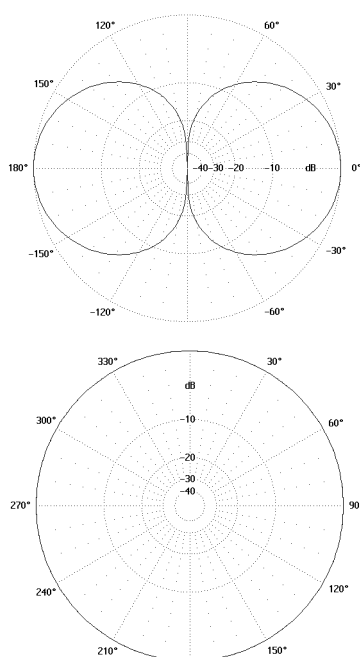
Type	AV1314
Frequency	380...470 MHz (AV1314-H) 340...440 MHz (AV1314-L) 300...350 MHz (AV1314-A) 280...320 MHz (AV1314-300)
Bandwidth	90 MHz (AV1314-H) 100 MHz (AV1314-L) 50 MHz (AV1314-A) 40 MHz (AV1314-300)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	4 dBi
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	200°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on mounting
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,04 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	300 x 160 x 300 mm
Weight	1,3 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	-

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## OMNIDIRECTIONAL ANTENNA AV1427

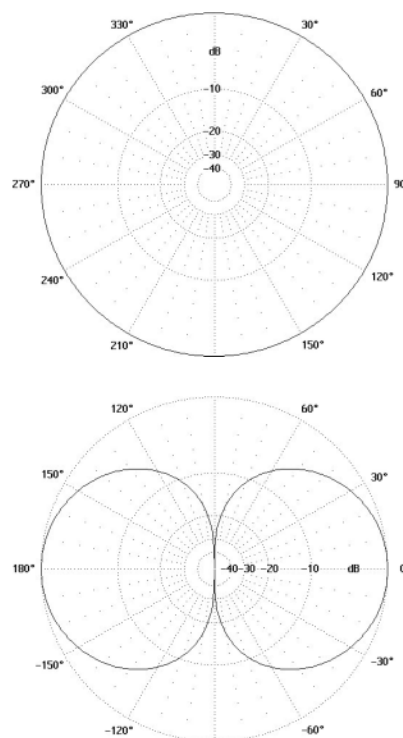
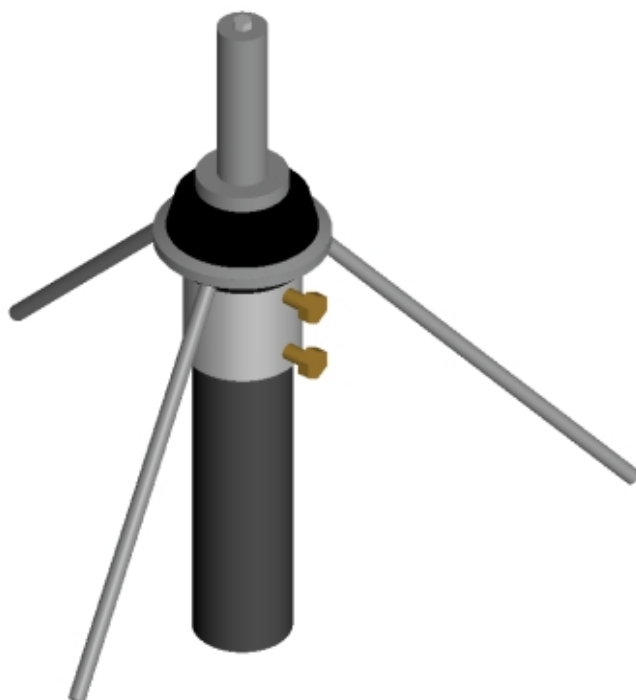


AV1427 is available both with a wall bracket (on right) or a ceiling bracket (on left).



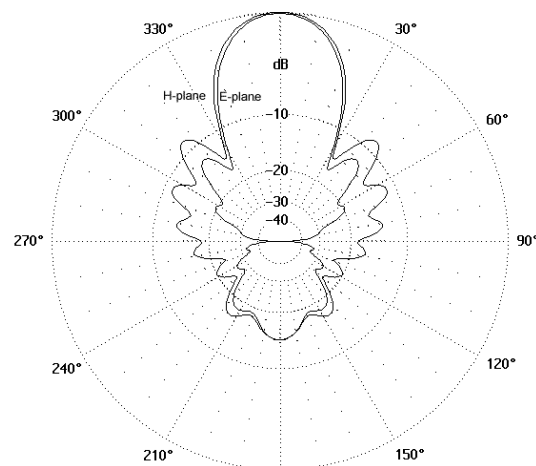
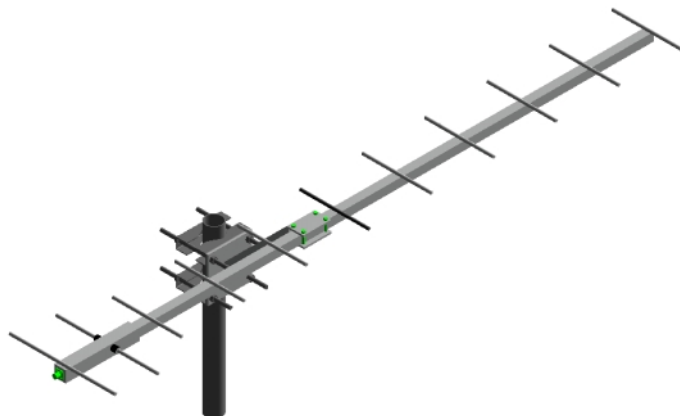
Type	AV1427
Frequencies	380...400 MHz (AV1427-390) 400...430 MHz (AV1427-415) 450...470 MHz (AV1427-460)
Bandwidth	20 MHz (AV1427-390) 30 MHz (AV1427-405) 20 MHz (AV1427-460)
Impedance	50 $\Omega$
VSWR	1,5 typical
Polarisation	Vertical
Gain	2,2 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	-
Electrical downtilt	None
Front to back ratio	-
Max. Continuous power	0,5 kW
RF-connector	N or TNC female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,01 m <sup>2</sup>
Dimensions (H x W x D) ( $\varnothing$ x H)	400 x 30 x 30 mm
Weight	0,6 kg
Mounting	<ol style="list-style-type: none"> <li>1) On horizontal plane or ceiling upside down.</li> <li>2) On top of the mounting pipe <math>\varnothing</math> max. 40 mm.</li> <li>3) Adjacent to the mounting pipe <math>\varnothing</math> max. 40 mm.</li> <li>4) On the wall.</li> </ol> <p>NOTE: The materials around the antenna and mounting environment in general may change the radiation and VSWR characteristics!</p>
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	-

## GROUND PLANE ANTENNA AV1463



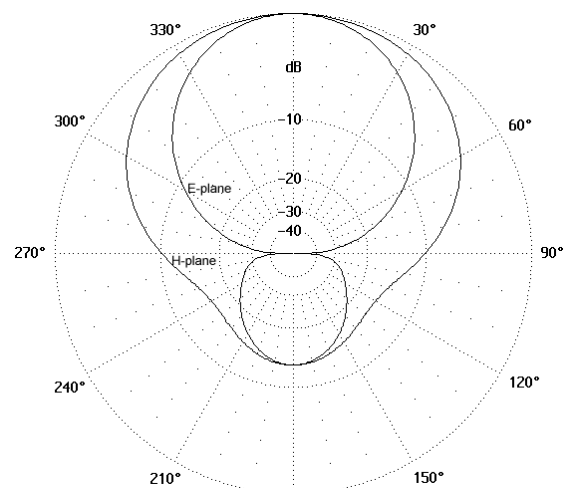
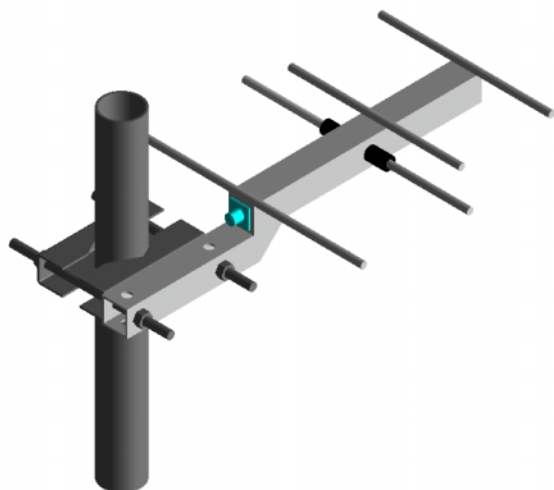
Type	AV1463
Frequency	310...470 MHz
Bandwidth	160 MHz
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 typical
Polarisation	Vertical
Gain	0 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	360°
Electrical downtilt	None
Front to back ratio	- dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,02 m <sup>2</sup>
Dimensions (H x W x D)	345 x 340 x 340 mm (assembled) Delivered with ground plane elements detached
Weight	0,5 kg
Mounting diameter	Ø 30...60 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	-

## YAGI ANTENNA AV1464



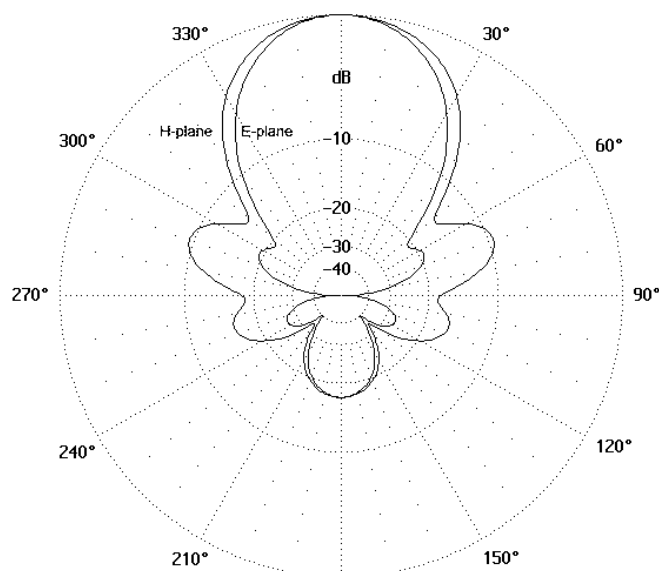
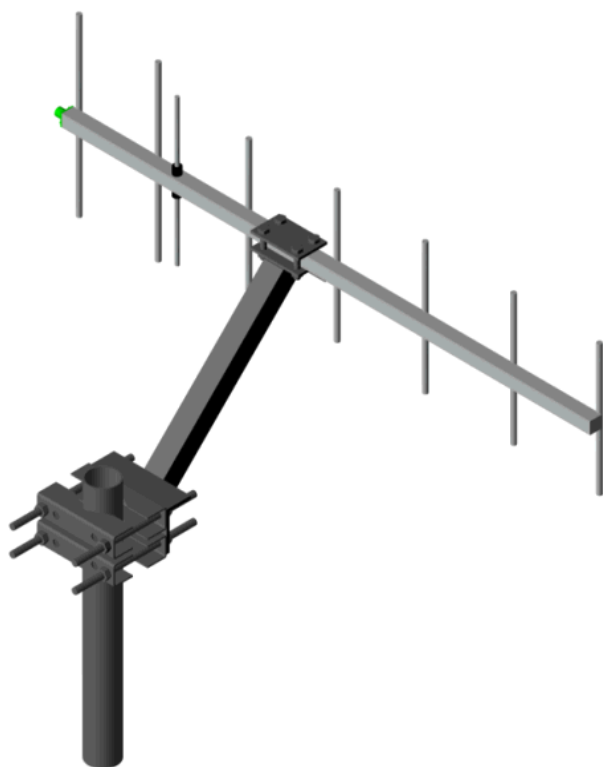
Type	AV1464
Frequency	370...390 MHz (AV1464-380) 380...420 MHz (AV1464-400) 415...440 MHz (AV1464-425) 440...470 MHz (AV1464-455)
Bandwidth	20 MHz (AV1464-380) 40 MHz (AV1464-400) 35 MHz (AV1464-425) 30 MHz (AV1464-455)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Horizontal or Vertical
Gain	14 dBi
E-plane 3 dB beamwidth	30°
H-plane 3 dB beamwidth	35°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,15 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	2115 x 380 x 50 mm
Weight	4 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	-

## YAGI ANTENNA AV1467



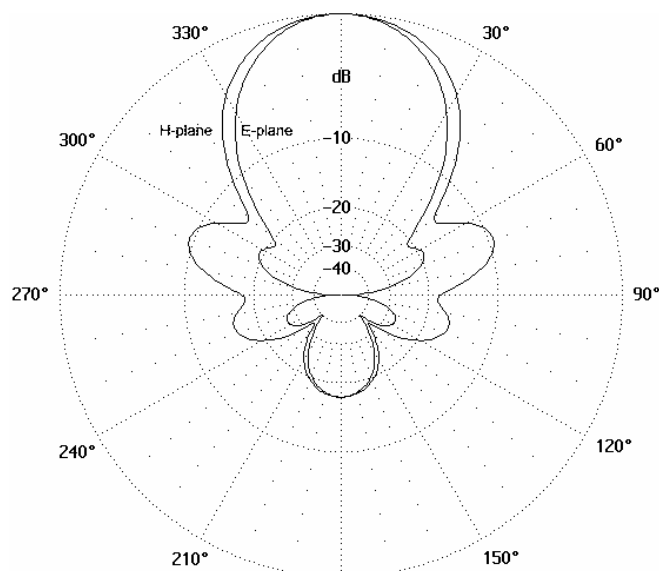
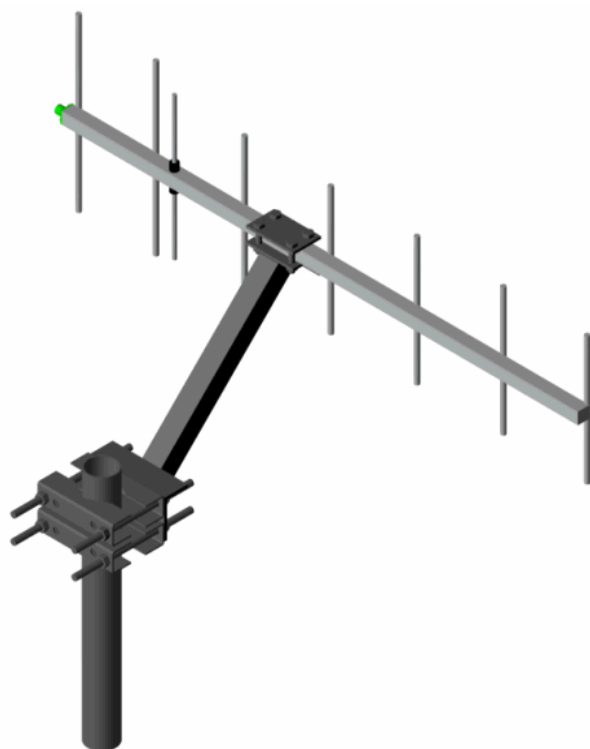
Type	AV1467
Frequency	370...400 MHz (AV1467-385) 400...440 MHz (AV1467-420) 440...480 MHz (AV1467-460)
Bandwidth	30 MHz (AV1467-385) 40 MHz (AV1467-420) 40 MHz (AV1467-460)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Horizontal or Vertical
Gain	6 dBi
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	110°
Electrical downtilt	None
Front to back ratio	13 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,05 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	574 x 380 x 90 mm
Weight	1,5 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	-

## YAGI ANTENNA AV1468



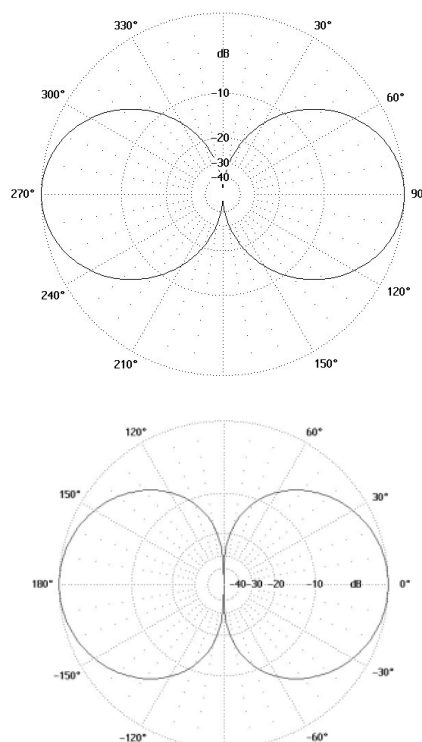
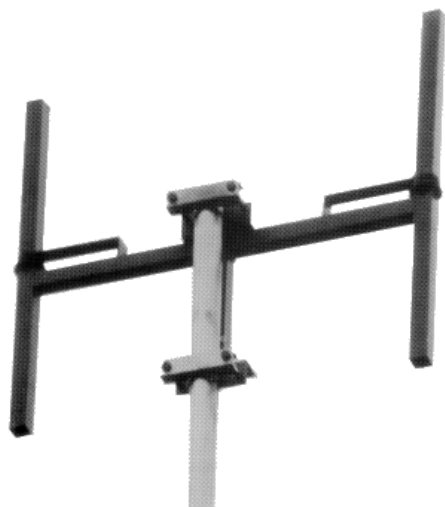
Type	AV1468
Frequency	AV1468-390 : 380...400 MHz AV1468-420 : 400...440 MHz AV1468-460 : 440...480 MHz
Bandwidth	AV1468-390 : 20 MHz AV1468-420 : 40 MHz AV1468-460 : 40 MHz
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Horizontal or Vertical
Gain	10 dBi
E-plane 3 dB beamwidth	45°
H-plane 3 dB beamwidth	56°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,1 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	1105 x 362 x 52 mm (AV1468-420)
Weight	1,3 kg (AV1468-420)
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	-

## YAGI ANTENNA AV1468



Type	AV1468
Frequency	AV1468-390 : 380...400 MHz AV1468-420 : 400...440 MHz AV1468-460 : 440...480 MHz
Bandwidth	AV1468-390 : 20 MHz AV1468-420 : 40 MHz AV1468-460 : 40 MHz
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Horizontal or Vertical
Gain	10 dBi
E-plane 3 dB beamwidth	45°
H-plane 3 dB beamwidth	56°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,1 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	1105 x 362 x 52 mm (AV1468-420)
Weight	1,3 kg (AV1468-420)
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	-

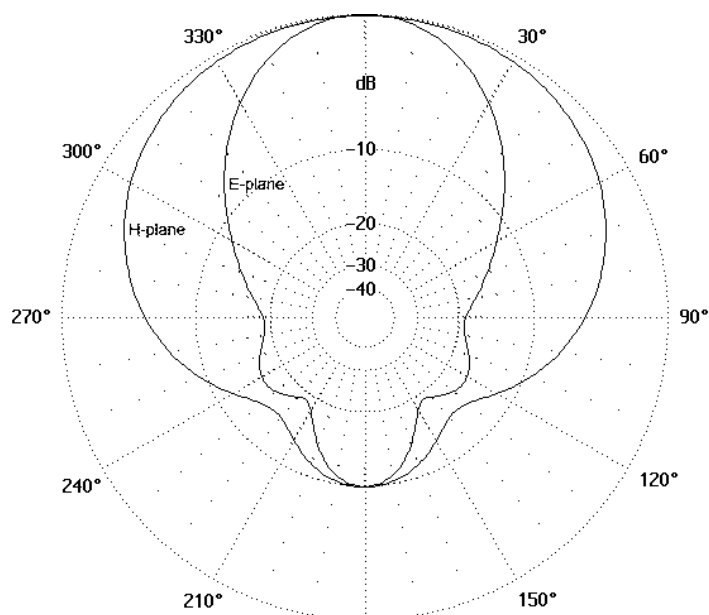
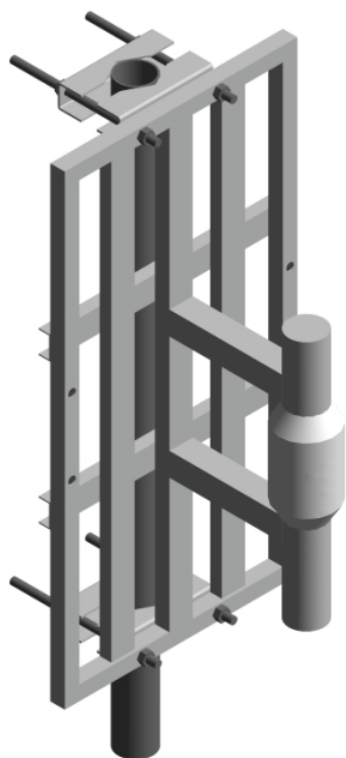
## BIDIRECTIONAL ANTENNA AV1484



Type	AV1484
Frequency	365...435 MHz
Bandwidth	70 MHz
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	5 dBi
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	50°
Electrical downtilt	None
Front to back ratio	- dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,1 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	380 x 400 x 100 mm
Weight	2,5 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	Special frequency ranges available on request

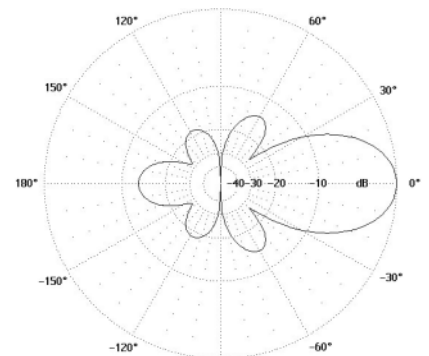
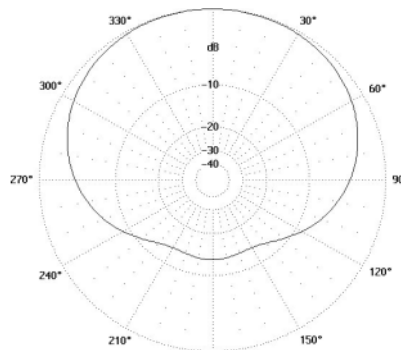
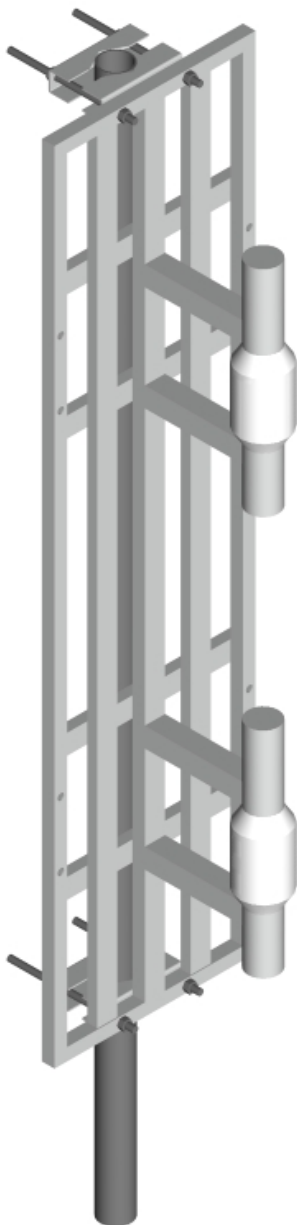


## DIRECTIONAL ANTENNA AV1524



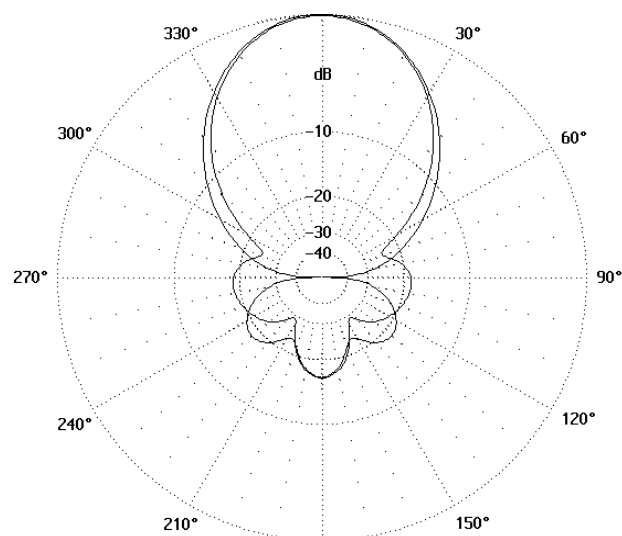
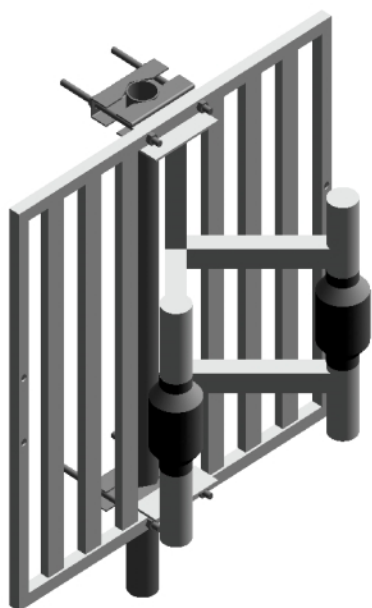
Type	AV1524
Frequency	350...470 MHz (AV1524-425) 290...440 MHz (AV1524-300)
Bandwidth	120 MHz (AV1524-425) 150 MHz (AV1524-300)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Horizontal or Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	120°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,28 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	800 x 400 x 300 mm
Weight	4,0 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced polycarbonate/PE
Options	Special frequency ranges available on request.

## DIRECTIONAL ANTENNA AV1524-2



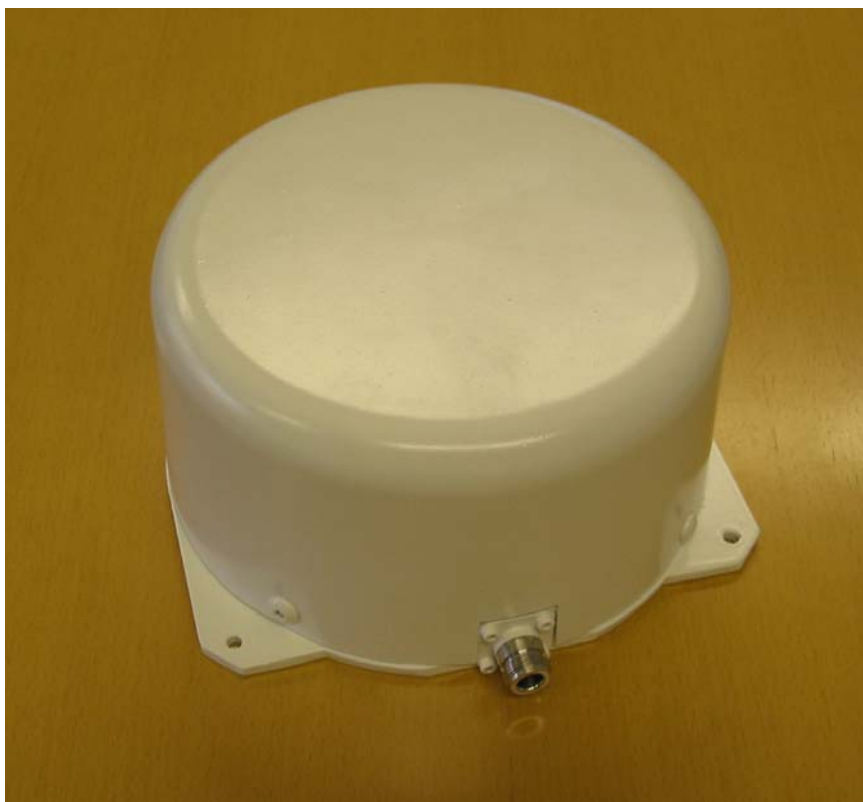
Type	AV1524-2
Frequency	350...470 MHz 290...440 MHz (AV1524-2-300)
Bandwidth	120 MHz 150 MHz
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Horizontal or Vertical
Gain	10 dBi
E-plane 3 dB beamwidth	30°
H-plane 3 dB beamwidth	120°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,45 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	1600 x 400 x 300 mm
Weight	8,0 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced polycarbonate/PE
Options	Special frequency ranges available on request

## DIRECTIONAL ANTENNA AV1525



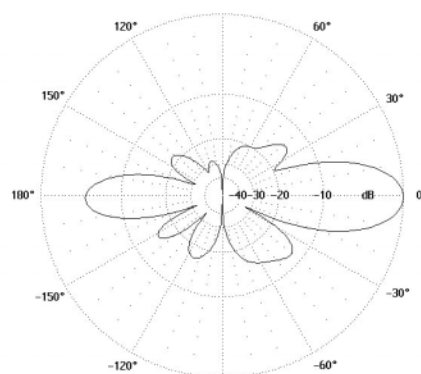
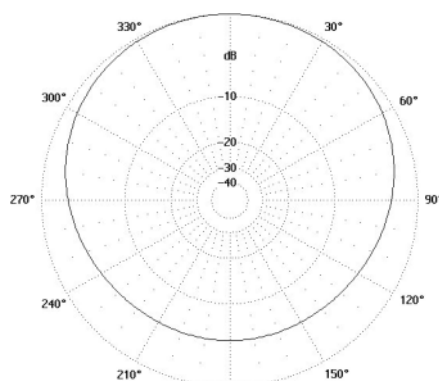
Type	AV1525
Frequency	330...470 MHz (AV1525) 225...400 MHz (AV1525-300)
Bandwidth	140 MHz (AV1525) 175 MHz (AV1525-300)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Horizontal or Vertical
Gain	9,5 dBi
E-plane 3 dB beamwidth	47°
H-plane 3 dB beamwidth	50°
Electrical downtilt	None
Front to back ratio	20 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,45 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	800 x 800 x 300 mm
Weight	8,0 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced polycarbonate PE
Options	-

## INDOOR PANEL ANTENNA AV1568



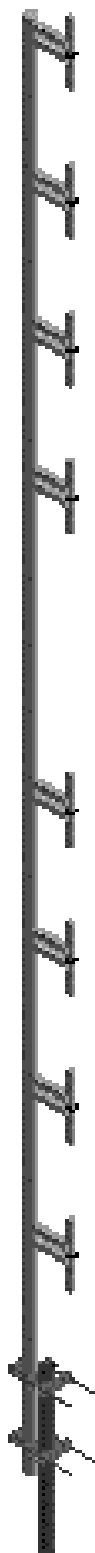
Type	AV1568
Frequencies	380...430 MHz (AV1568-405) 400...500 MHz (AV1568-450)
Bandwidth	50 MHz (AV1568-405) 100 MHz (AV1568-450)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 typical
Polarisation	Horizontal or Vertical
Gain	2 dBi
E-plane 3 dB beamwidth	N/A
H-plane 3 dB beamwidth	80°
Electrical downtilt	None
Front to back ratio	N/A
Max. Continuous power	0,5 kW
RF-connector	N or TNC female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,02 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	200 x 100 mm
Weight	0,5 kg
Mounting diameter	On wall/ceiling mounting
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	Colour Different versions on 400...500 MHz frequency range.

## HIGH GAIN ANTENNA AV1914



Type	AV1914
Frequency	350...470 MHz (AV1914-H) 300...350 MHz (AV1914-A) 280...320 MHz (AV1914-300)
Bandwidth	120 MHz (AV1914-H) 50 MHz (AV1914-A) 40 MHz (AV1914-300)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Horisontal or Vertical
Gain	10 dBi
E-plane 3 dB beamwidth	14°
H-plane 3 dB beamwidth	180°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on mounting
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,25 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	3000 x 200 x 60 mm
Weight	8 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	Different dipole variations for example double unit antenna for separate Rx and Tx dipole segments. Special frequency ranges available on request.

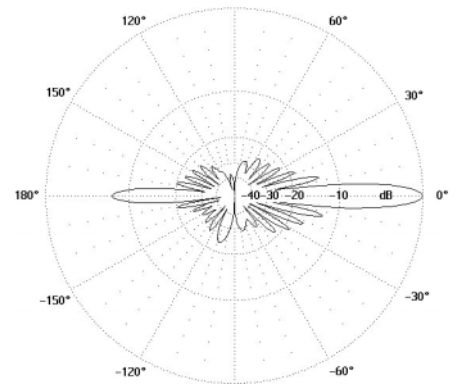
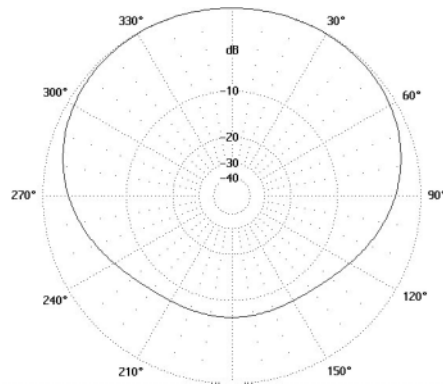
## HIGH GAIN ANTENNA 2 x AV1914



FOR RADIATION PATTERNS PLEASE SEE  
SINGLE ANTENNA BROCHURES.

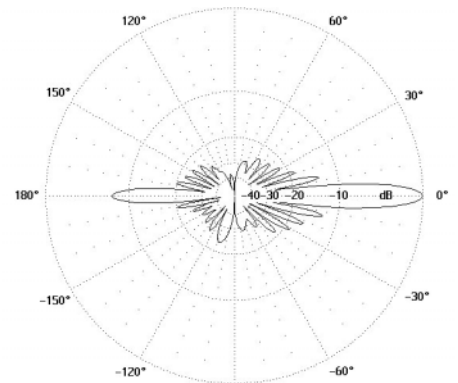
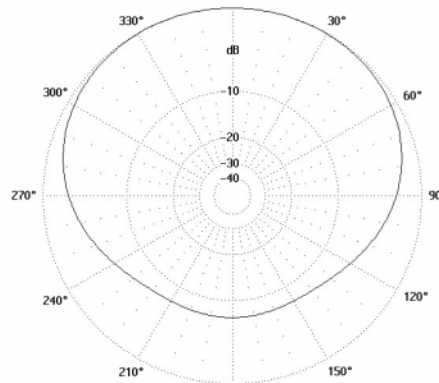
Type	2 x AV1914
Frequency	350...470 MHz (AV1914-H) 300...350 MHz (AV1914-A) 280...320 MHz (AV1914-300)
Bandwidth	120 MHz (AV1914-H) 50 MHz (AV1914-A) 40 MHz (AV1914-300)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	10 dBi
E-plane 3 dB beamwidth	14°
H-plane 3 dB beamwidth	200°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on mounting
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,8 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	7300 x 200 x 60 mm
Weight	20 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	Different dipole variations. Foldable antennas for reduced transportation size. Special frequency ranges available on request.

## HIGH GAIN ANTENNA AV1914-8



Type	AV1914-8
Frequencies	370...435 MHz (AV1914-8-L) 410...470 MHz (AV1914-8-H)
Bandwidth	65 MHz (AV1914-8-L) 60 MHz (AV1914-8-H)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	13 dBi
E-plane 3 dB beamwidth	10°
H-plane 3 dB beamwidth	180°
Electrical downtilt	None
Front to back ratio	6 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,50 m <sup>2</sup>
Dimensions (H x W x D) ( $\varnothing$ x H)	6000 x 200 x 60 mm
Weight	16 kg
Mounting diameter	$\varnothing$ 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	Special frequency ranges available on request.

## HIGH GAIN ANTENNA AV1914-8-280



Type	AV1914-8-280
Frequency	235...330 MHz
Bandwidth	95 MHz
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	13 dBi
E-plane 3 dB beamwidth	10°
H-plane 3 dB beamwidth	180°
Electrical downtilt	None
Front to back ratio	6 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,55 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	6500 x 200 x 60 mm
Weight	18 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	Special frequency ranges available on request



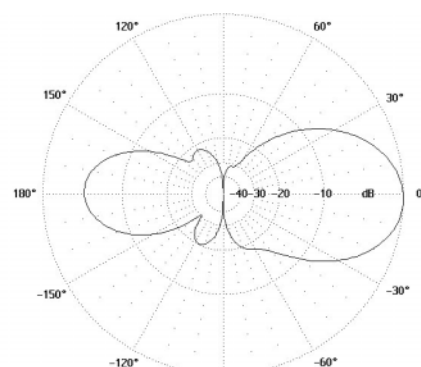
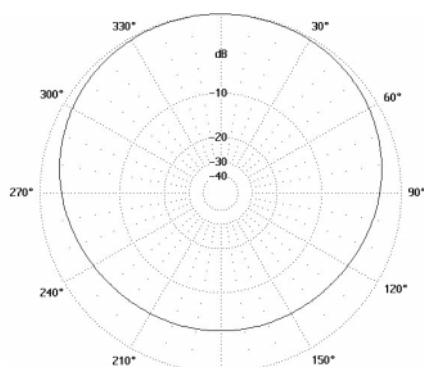
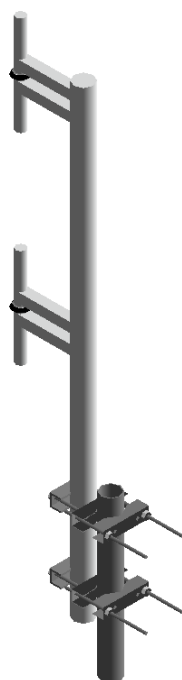
## DOUBLE UNIT ANTENNA AV1914-8/1915



FOR RADIATION PATTERNS PLEASE SEE  
SINGLE ANTENNA BROCHURES.

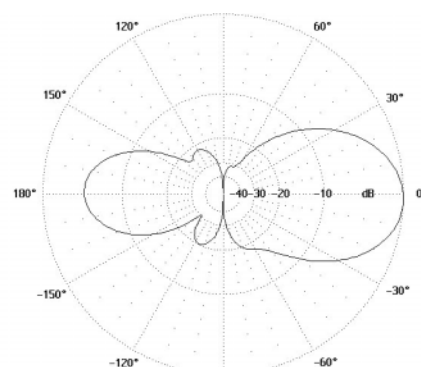
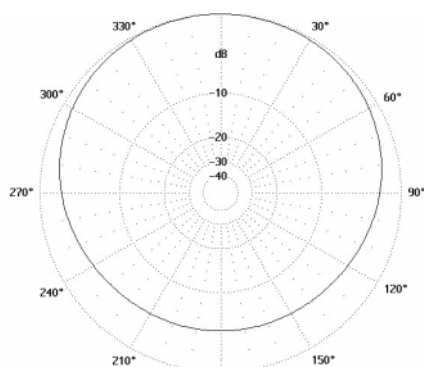
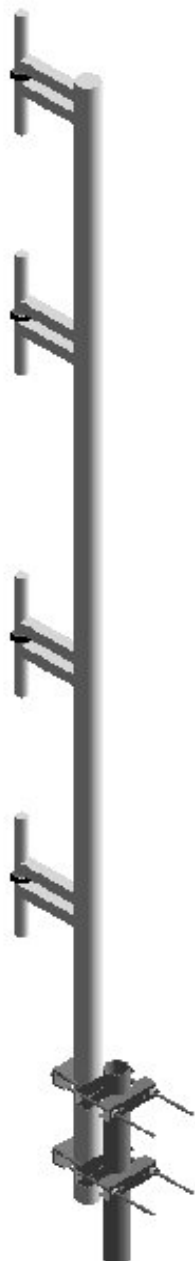
Type	AV1914-8/1915
Frequency	See AV1914-8 and AV1915 brochures
Bandwidth	See AV1914-8 and AV1915 brochures
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	13/7 dBi
E-plane 3 dB beamwidth	10°/30°
H-plane 3 dB beamwidth	180°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on mounting
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,7 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	7500 x 200 x 60 mm
Weight	21 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	Different versions from all available AV1914-8 and AV1915 antennas available. Special frequency ranges available on request.

## MEDIUM GAIN ANTENNA AV1915



Type	AV1915
Frequency	350...470 MHz (AV1915-H) 300...350 MHz (AV1915-A) 280...320 MHz (AV1915-300)
Bandwidth	120 MHz (AV1915-H) 50 MHz (AV1915-A) 40 MHz (AV1915-300)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	30°
H-plane 3 dB beamwidth	180°
Electrical downtilt	None
Front to back ratio	6 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,16 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	1450 x 200 x 60 mm
Weight	5 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	Different dipole variations for example double unit antenna for separate Rx and Tx dipole segments. Special frequency ranges available on request.

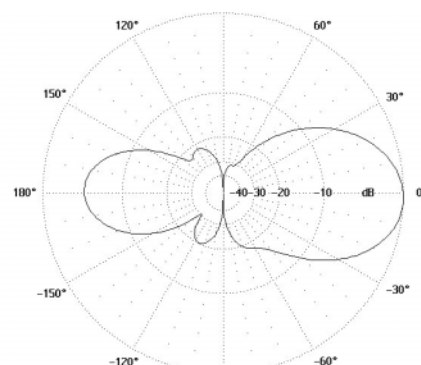
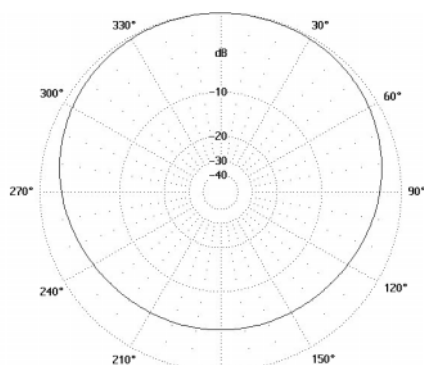
## MEDIUM GAIN ANTENNA 2 x AV1915



RADIATION PATTERN/UNIT

Type	2 x AV1915
Frequency	350...470 MHz (2 x AV1915-H) 300...350 MHz (2 x AV1915-A) 280...320 MHz (2 x AV1915-300)
Bandwidth	120 MHz (2 x AV1915-H) 50 MHz (2 x AV1915-A) 40 MHz (2 x AV1915-300)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	7 dBi/unit
E-plane 3 dB beamwidth	30°
H-plane 3 dB beamwidth	180°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on mounting
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,32 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	3000 x 200 x 60 mm
Weight	10 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	Special frequency ranges available on request.

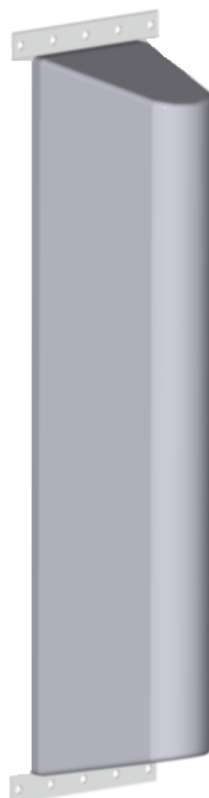
## MEDIUM GAIN ANTENNA 2 x 2 x AV1915



RADIATION PATTERN/UNIT

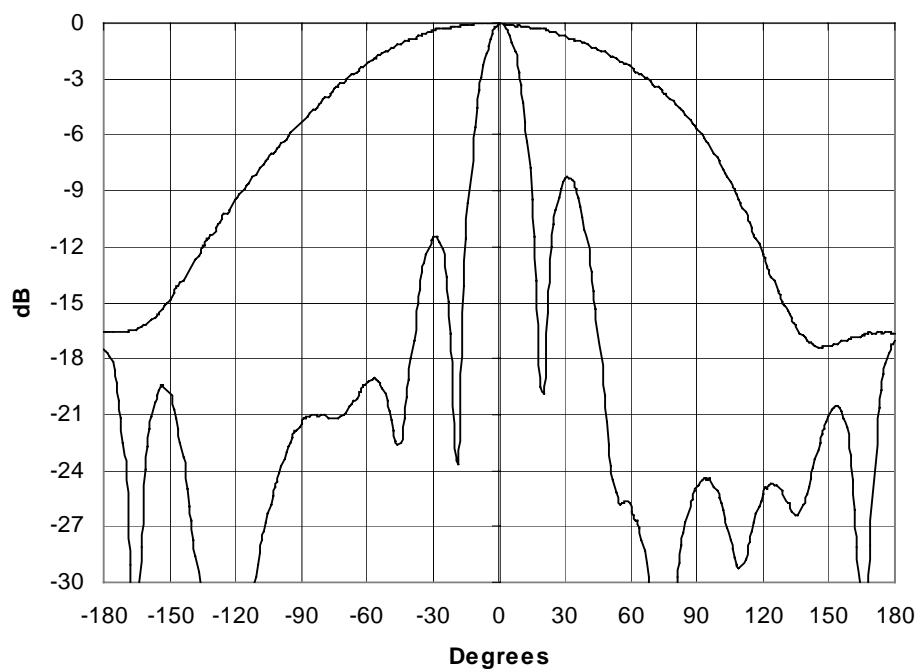
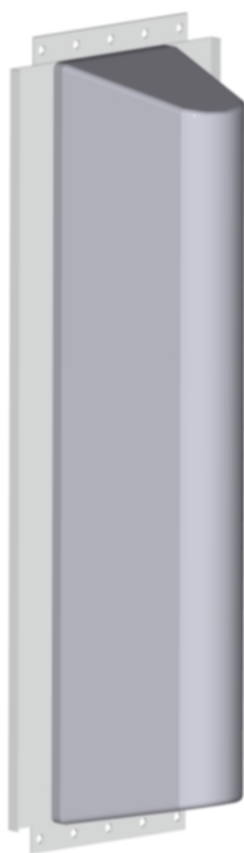
Type	2 x 2 x AV1915
Frequency	350...470 MHz (2 x 2 x AV1915-H) 300...350 MHz (2 x 2 x AV1915-A) 280...320 MHz (2 x 2 x AV1915-300)
Bandwidth	120 MHz (2 x 2 x AV1915-H) 50 MHz (2 x 2 x AV1915-A) 40 MHz (2 x 2 x AV1915-300)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	7 dBi/unit
E-plane 3 dB beamwidth	30°
H-plane 3 dB beamwidth	180°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on mounting
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,70 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	8700 x 200 x 60 mm
Weight	25 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced polycarbonate/PE
Options	Special frequency ranges available on request. Length when folded for transportation 5100 mm. The antenna is equipped with 3 guy wires between the 4 <sup>th</sup> and 5 <sup>th</sup> elements.

## DIRECTIONAL ANTENNA AV4126



Type	AV4126
Frequencies	380...430 MHz (AV4126-405) 410...470 MHz (AV4126-440)
Bandwidth	50 MHz (AV4126-405) 60 MHz (AV4126-440)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Horizontal
Gain	8,0 dBi
E-plane 3 dB beamwidth	33°
H-plane 3 dB beamwidth	155°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,7 m <sup>2</sup>
Dimensions (H x W x D) ( $\varnothing$ x H)	1100 x 225 x 250 mm
Weight	7 kg
Mounting diameter	$\varnothing$ 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced polycarbonate/PE
Options	-

## DIRECTIONAL ANTENNA AV4127



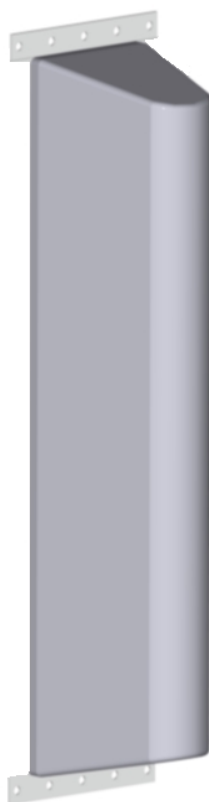
Type	AV4127
Frequency	410...470 MHz
Bandwidth	60 MHz
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	12,5 dBi
E-plane 3 dB beamwidth	17°
H-plane 3 dB beamwidth	132°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	1,2 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	2100 x 380 x 250 mm
Weight	7,0 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced polycarbonate/PE
Options	-

## DIRECTIONAL ANTENNA AV4128



Type	AV4128
Frequency	410...470 MHz
Bandwidth	60 MHz
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	9,3 dBi
E-plane 3 dB beamwidth	33°
H-plane 3 dB beamwidth	132°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,6 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	1100 x 380 x250 mm
Weight	7 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced polycarbonate/PE
Options	-

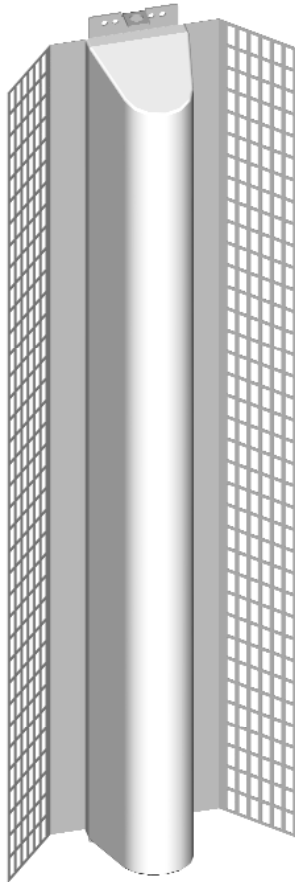
## DIRECTIONAL ANTENNA AV4129



Type	AV4129
Frequencies	380...430 MHz (AV4129-405) 410...470 MHz (AV4129-440)
Bandwidth	50 MHz (AV4129-405) 60 MHz (AV4129-440)
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	11 dBi
E-plane 3 dB beamwidth	17°
H-plane 3 dB beamwidth	155°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,6 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	2100 x 225 x250 mm
Weight	14 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced polycarbonate/PE
Options	-



## AV4064 BASESTATION ANTENNA



The AV4064 is a high gain 450 MHz basestation antenna with 65° horizontal beamwidth.

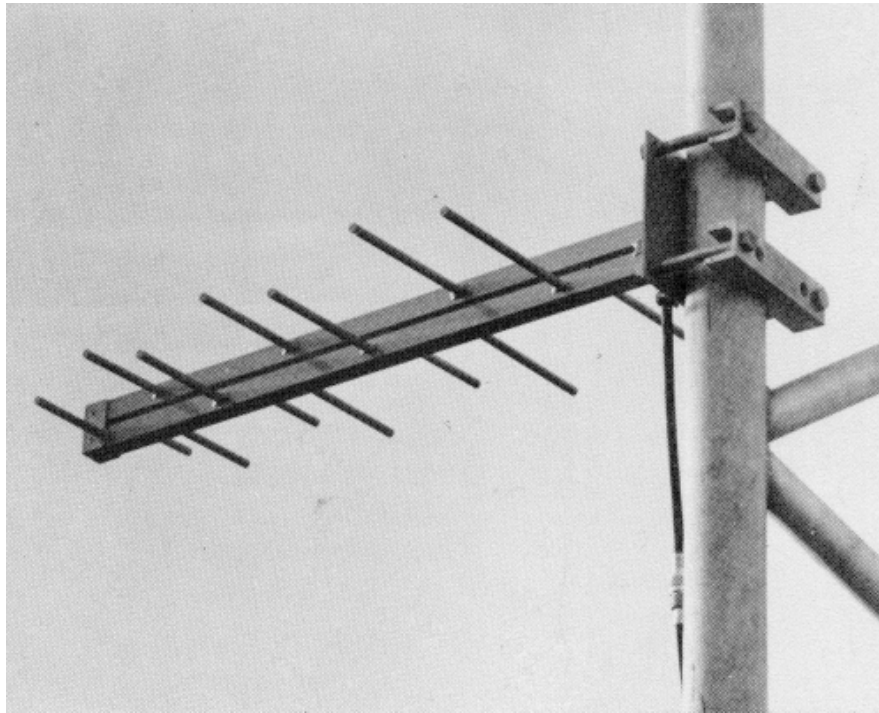
The antenna construction includes aluminium framework, power divider and the radiating elements shielded with an UV-resistant fibreglass radome. The radome does not react on matching so the antenna maintains its SWR performance even if covered by heavy snow and ice.

The low intermodulation values are secured by qualitative connections and precise manufacturing.

The standard inclusive (unless agreed otherwise) mounting kit provides easy installation for the tube diameters from 30 mm to 115 mm.

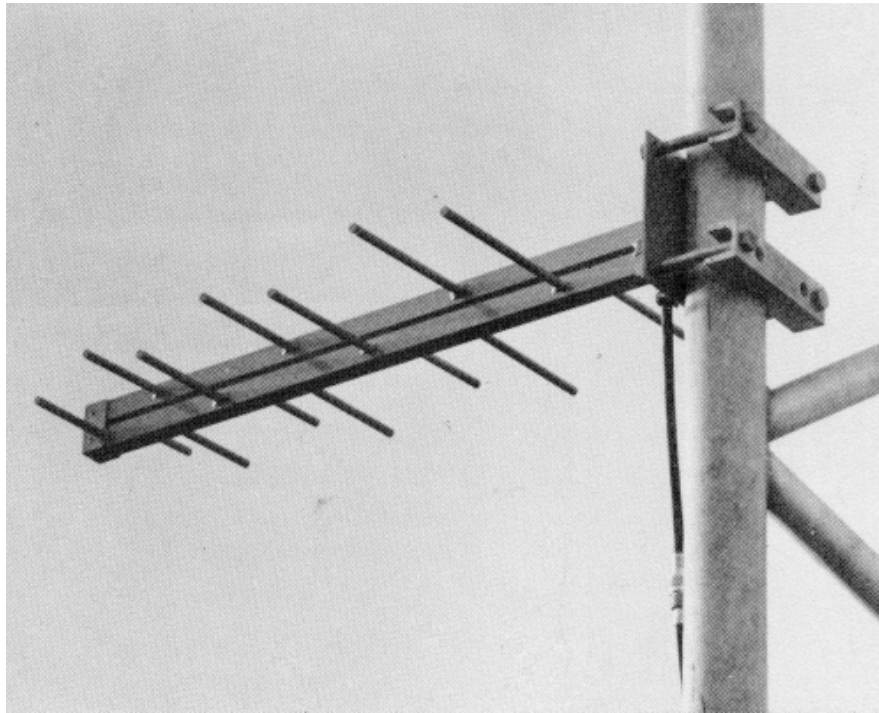
Type	AV4064
Frequency range	380...470 MHz
Bandwidth	90 MHz
Impedance	50Ω DC grounded
VSWR	1,5 max.
Polarisation	Vertical
Gain	15 dBi
E-plane 3 dB beamwidth	15°
H-plane 3 dB beamwidth	65°
Electrical downtilt	None
Front-to-back ratio	25 dB
Max. Continuous power	0,5 kW
RF-connector	7/16 female or N female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,36 m <sup>2</sup>
Dimensions (HxWxD)	2100x600x250 mm
Weight	20 kg
Mounting diameter	Ø 30...115 mm
Materials	Aluminium ABS radome Glass reinforced PE
Options	-

## LOG-PERIODIC DIPOLE ANTENNA LPD150-500



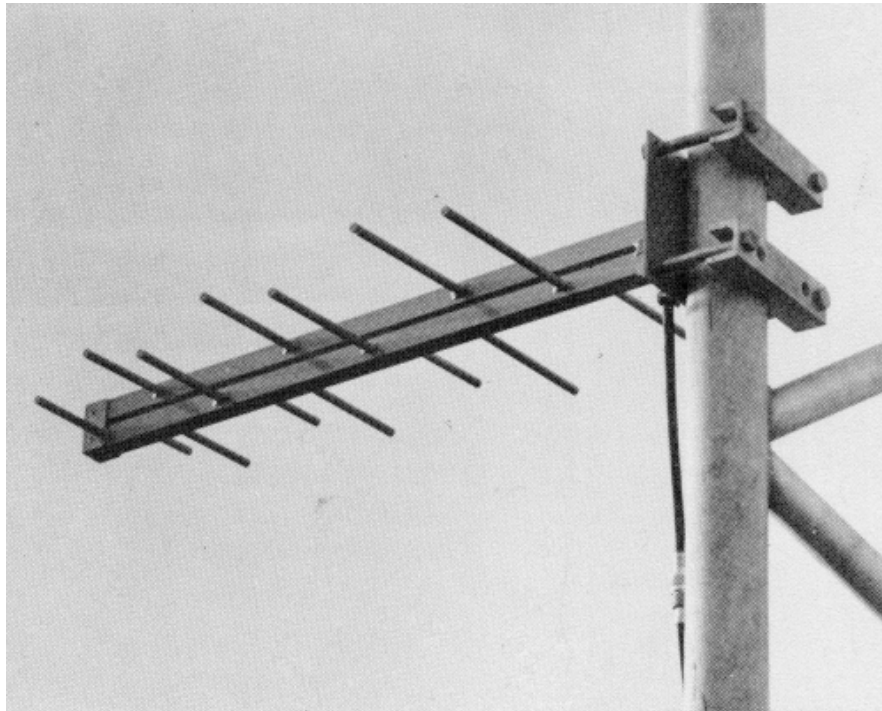
Type	LPD150-500
Frequency	150...500 MHz
Bandwidth	350 MHz
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Horizontal or Vertical
Gain	8 dBi
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	100°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,15 m <sup>2</sup>
Dimensions (HxWxD)	1000x1000x60 mm
Weight	5 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber Glass reinforced polycarbonate/PE
Options	Radome

## LOG-PERIODIC DIPOLE ANTENNA LPD290-340



Type	LPD290-340
Frequency	290...340 MHz
Bandwidth	50 MHz
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Horisontal or Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	110°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,1 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	1000 x 550 x 60 mm
Weight	3 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber Glass reinforced polycarbonate/PE
Options	Radome

## LOG-PERIODIC DIPOLE ANTENNA LPD450-470



Type	LPD450-470
Frequency	450...470 MHz
Bandwidth	20 MHz
Impedance	50 $\Omega$ DC grounded
VSWR	1,5 max
Polarisation	Horisontal or Vertical
Gain	10 dBi
E-plane 3 dB beamwidth	48°
H-plane 3 dB beamwidth	55°
Electrical downtilt	None
Front to back ratio	XX dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,1 m <sup>2</sup>
Dimensions (H x W x D) (Ø x H)	800 x 380 x 60 mm
Weight	3 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber Glass reinforced polycarbonate/PE
Options	Radome Different gain and frequency variations