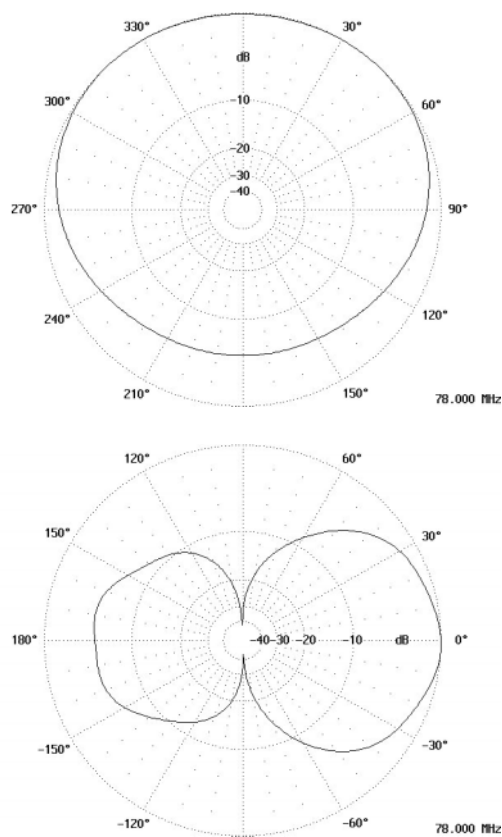
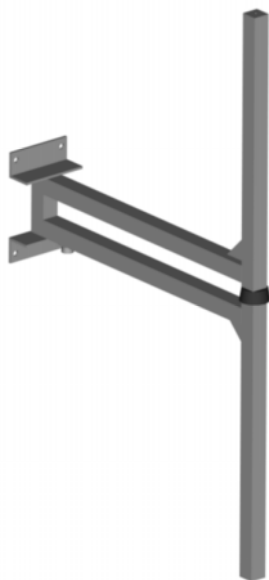
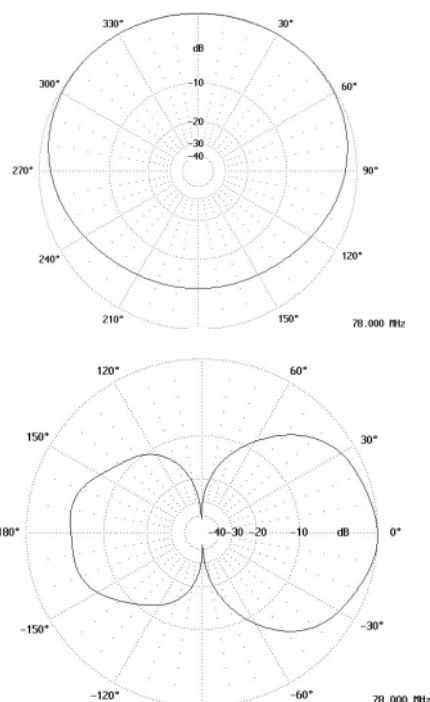
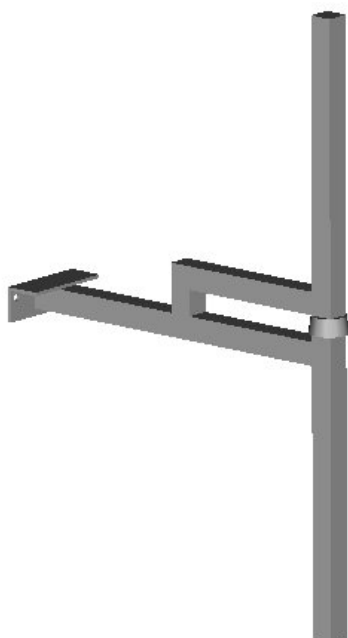


LOW GAIN BASE STATION ANTENNA AV1311



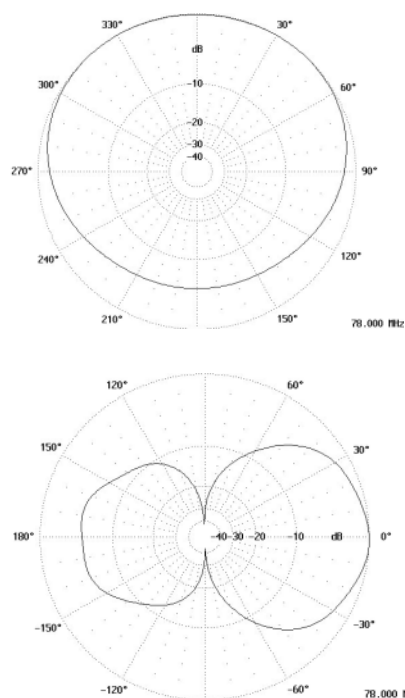
Type	AV1311
Frequency	68...88 MHz
Bandwidth	20 MHz
Impedance	50 Ω DC grounded
VSWR	1,8 max
Polarisation	Vertical
Gain	2 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	200°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on mounting
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,15 m ²
Dimensions (H x W x D) (Ø x H)	1780 x 990 x 160 mm
Weight	6 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	Steel version

LOW GAIN BASE STATION ANTENNA AV1312-1



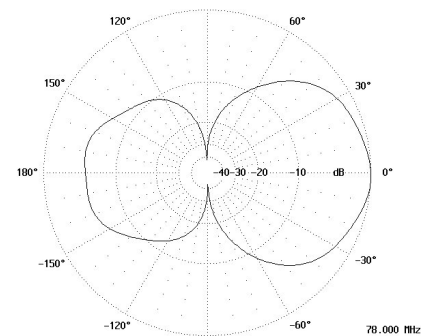
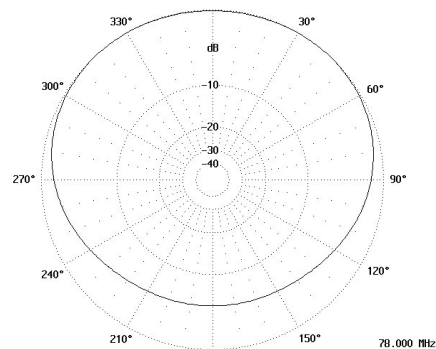
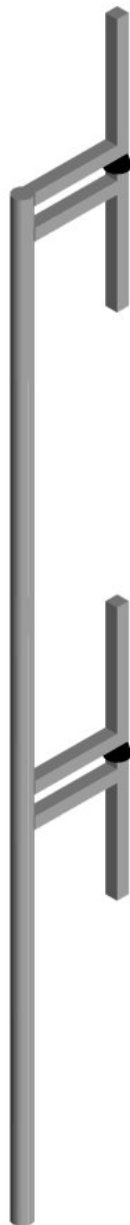
Type	AV1312-1
Frequency	118...136 MHz / 118...144 MHz
Bandwidth	18 MHz / 26 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max / 1,8 max
Polarisation	Vertical
Gain	2 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	200°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on 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 ²
Dimensions (H x W x D) (Ø x H)	1060 x 160 x 646 mm
Weight	3 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

LOW GAIN BASE STATION ANTENNA AV1312-2



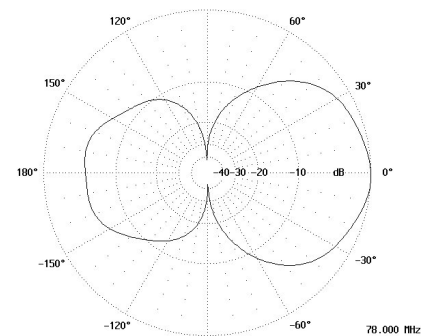
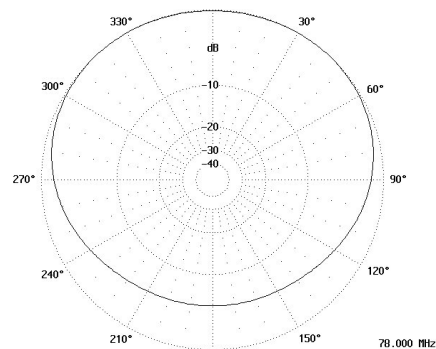
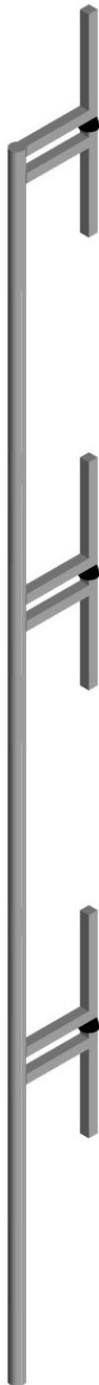
Type	AV1312-2
Frequency	146...174 MHz
Bandwidth	28 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	2 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	200°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on mounting
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,05 m ²
Dimensions (H x W x D) (Ø x H)	824 x 520 x 160 mm
Weight	3 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

LOW GAIN BASE STATION DOUBLE UNIT ANTENNA 2xAV1312-2

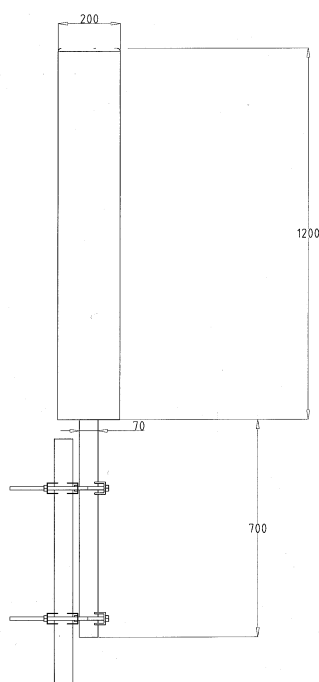


Type	2xAV1312-2
Frequency	146...174 MHz
Bandwidth	28 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 typical
Polarisation	Vertical
Isolation	35 dB typical
Gain	4 dBi/unit
E-plane 3 dB beamwidth	80°
H-plane 3 dB beamwidth	200°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on 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	0,25 m ²
Dimensions (H x W x D) ($\varnothing$ x H)	3800 x 400 x 61 mm
Weight	7 kg
Mounting diameter	$\varnothing$ 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

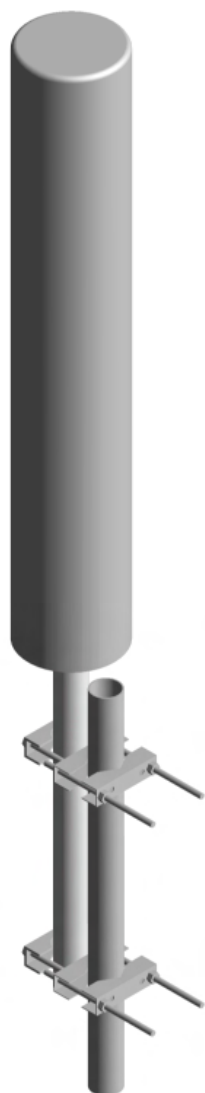
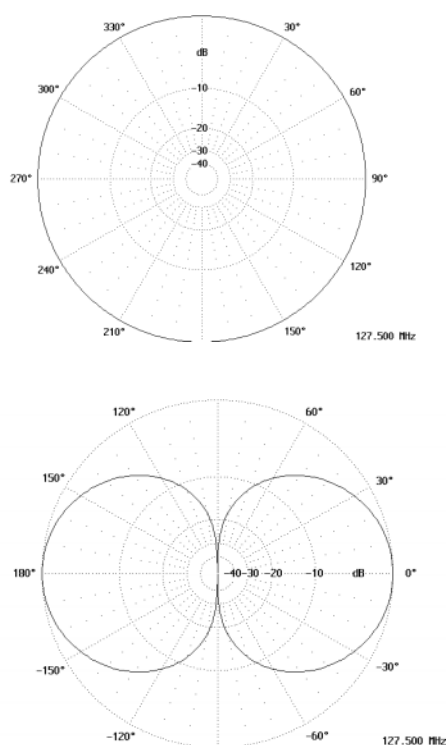
LOW GAIN BASE STATION TRIPLE UNIT ANTENNA 3xAV1312-2



Type	3xAV1312-2
Frequency	146...174 MHz
Bandwidth	28 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 typical
Polarisation	Vertical
Isolation	30 dB typical
Gain	4 dBi/unit
E-plane 3 dB beamwidth	80°
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	0,6 m ²
Dimensions (H x W x D) ($\varnothing$ x H)	5600 x 400 x 61 mm
Weight	18 kg
Mounting diameter	$\varnothing$ 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

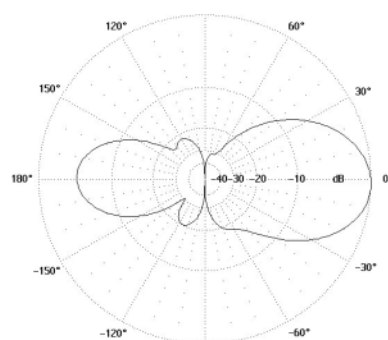
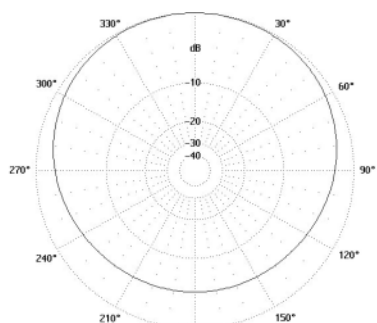


COAXIAL DIPOLE AV1419



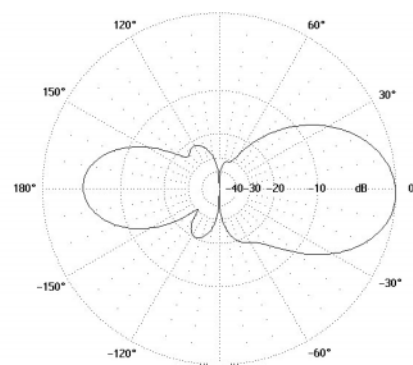
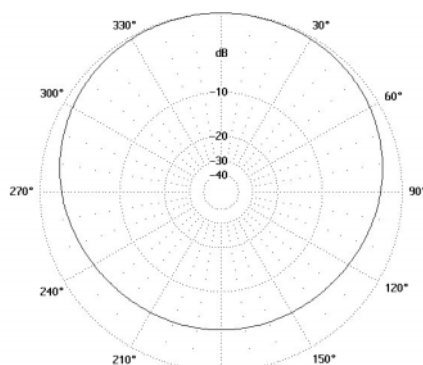
Type	AV1419
Frequency	118...137 MHz
Bandwidth	19 MHz
Impedance	50 Ω
VSWR	1,5 max
Polarisation	Vertical
Gain	0 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	360°
Electrical downtilt	None
Front to back ratio	- dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,7 m ²
Dimensions (H x W x D) (Ø x H)	1900 x 200 mm
Weight	15 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Hot dip galvanised steel Glassfiber radome
Options	Heavy duty version with max. wind speed 83 m/s with 200 mm ice layer.

MEDIUM GAIN BASESTATION ANTENNA AV1430



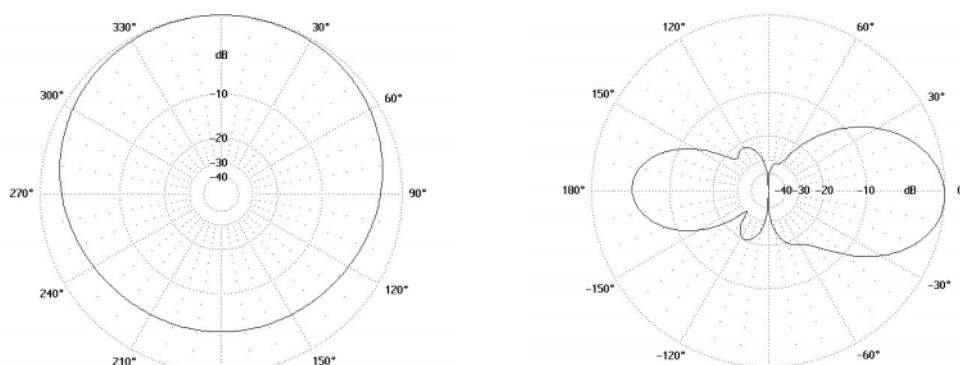
Type	AV1430
Frequency	118...136 MHz / 118...144 MHz
Bandwidth	18 MHz / 26 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max / 1,8 max
Polarisation	Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	40°
H-plane 3 dB beamwidth	180°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on 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	0,3 m ²
Dimensions (H x W x D) (Ø x H)	2900 x 440 x 60 mm
Weight	9 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

MEDIUM GAIN BASE STATION ANTENNA AV1431



Type	AV1431
Frequency	146...174 MHz
Bandwidth	28 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	40°
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 ²
Dimensions (H x W x D) (Ø x H)	3000 x 400 x 61 mm
Weight	7 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	AV1431-St (Hot dip galvanised steel) AV1431-100° (100°C specification)

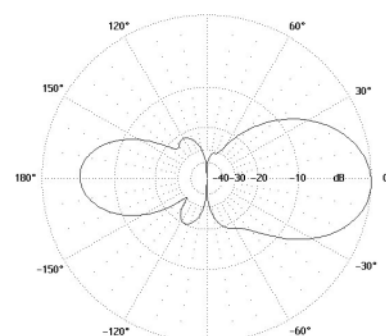
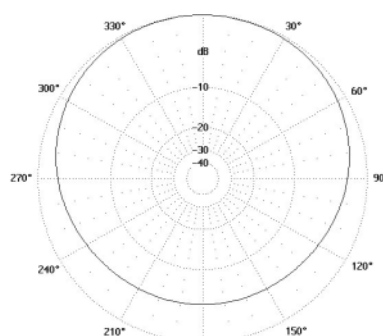
MEDIUM GAIN BASE STATION DOUBLE UNIT ANTENNA 2xAV1431



Radiation pattern/unit

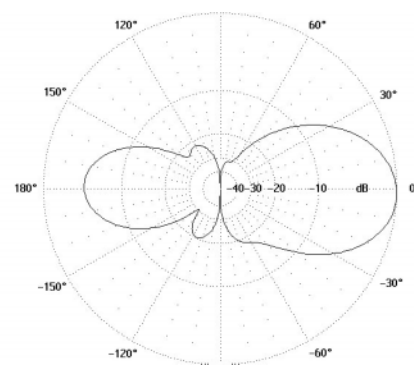
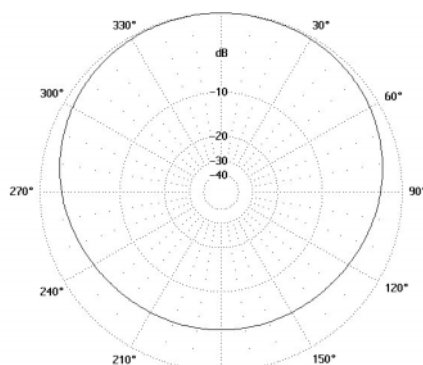
Type	2xAV1431
Frequency	146...174 MHz
Bandwidth	28 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Isolation	35..40 dB
Gain	7 dBi/unit
E-plane 3 dB beamwidth	40°
H-plane 3 dB beamwidth	180°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on mounting
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	0,5 m ²
Dimensions (H x W x D) (Ø x H)	6500 x 400 x 60 mm
Weight	22 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	AV1431-St (Hot dip galvanised steel) AV1431-100° (100°C specification)

DOUBLE UNIT MEDIUM GAIN BASE STATION ANTENNA AV1431/AV1915



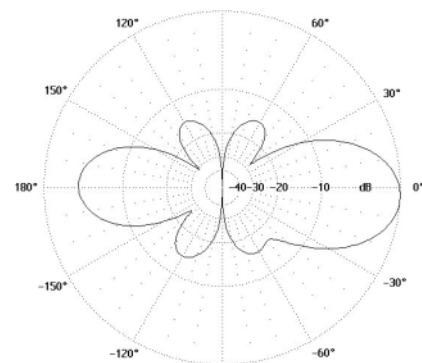
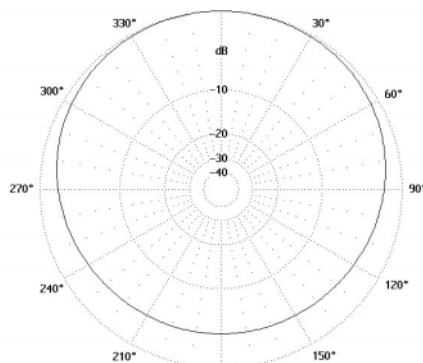
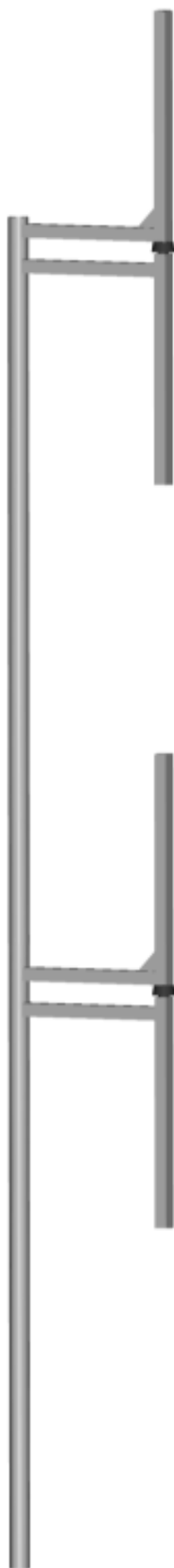
Type	AV1431 / AV1915
Frequency	146...174 MHz 360...470 MHz
Bandwidth	28 MHz 90 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	40°
H-plane 3 dB beamwidth	180°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on mounting
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	0,42 m ²
Dimensions (H x W x D) ($\varnothing$ x H)	4100 x 400 x 60 mm
Weight	13 kg
Mounting diameter	$\varnothing$ 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

MEDIUM GAIN BASE STATION ANTENNA AV1432



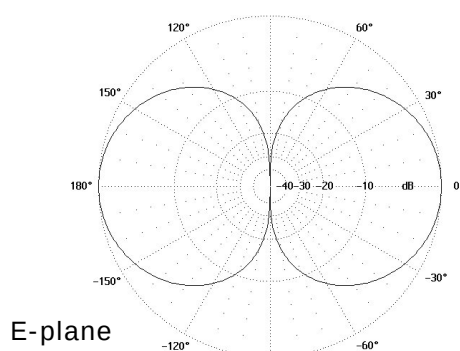
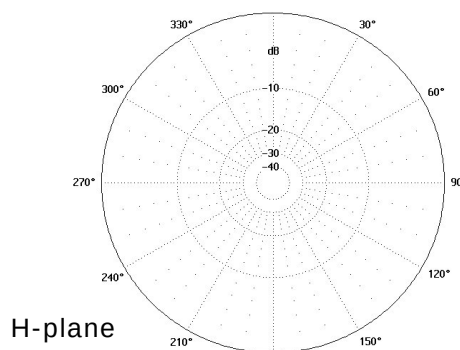
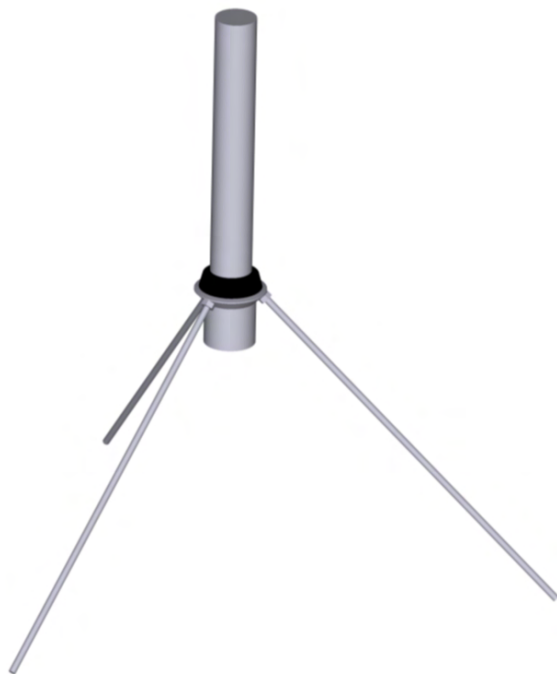
Type	AV1432
Frequency	214...234 MHz
Bandwidth	20 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	40°
H-plane 3 dB beamwidth	180°/depending on mounting
Electrical downtilt	None
Front to back ratio	6 dB/depending on mounting
Max. Continuous power	0,5 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 ²
Dimensions (H x W x D) ($\varnothing$ x H)	3000 x 400 x 61 mm
Weight	7 kg
Mounting diameter	$\varnothing$ 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

MEDIUM GAIN BASESTATION ANTENNA AV1440



Type	AV1440
Frequency	AV1440-L : 67...75 MHz AV1440-M : 73...82 MHz AV1440-H : 79...89 MHz
Bandwidth	AV1440-L : 8 MHz AV1440-M : 9 MHz AV1440-H : 10 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	6 dBi
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	0,5 m ²
Dimensions (H x W x D) ($\varnothing$ x H)	5000 x 660 x 60 mm
Weight	18 kg
Mounting diameter	$\varnothing$ 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	Hot dip galvanised steel version. A4-version. Custom frequency ranges.

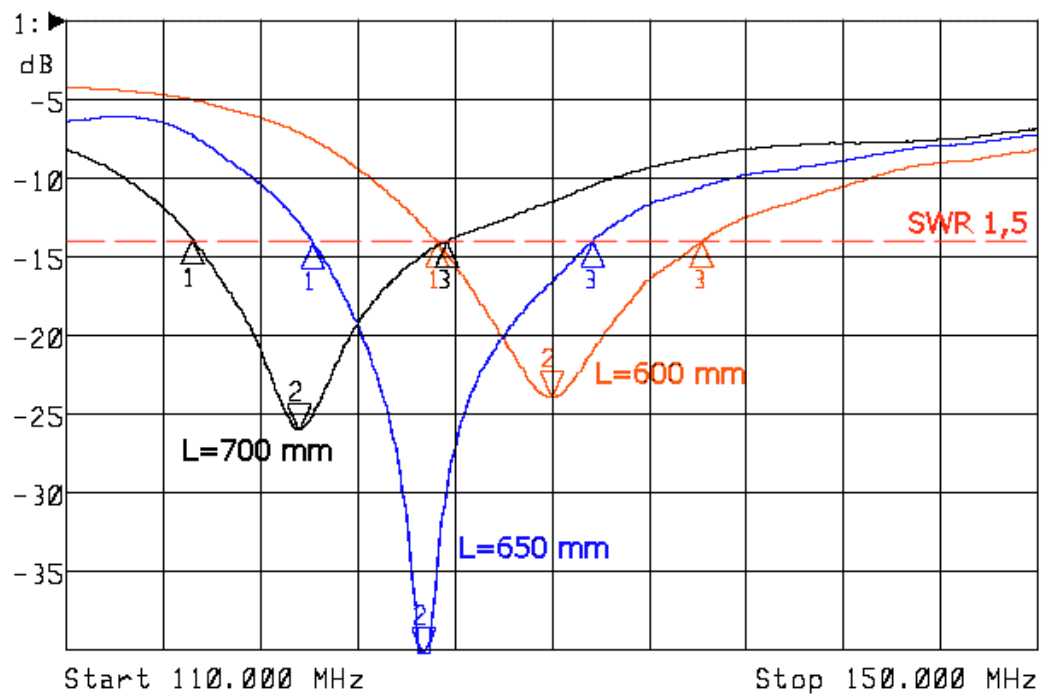
GROUND PLANE ANTENNA AV1458



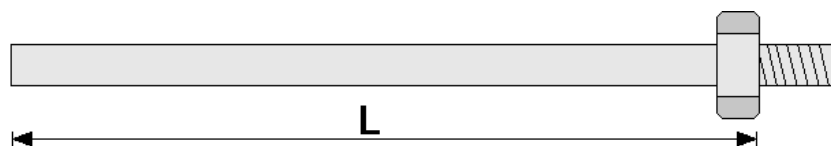
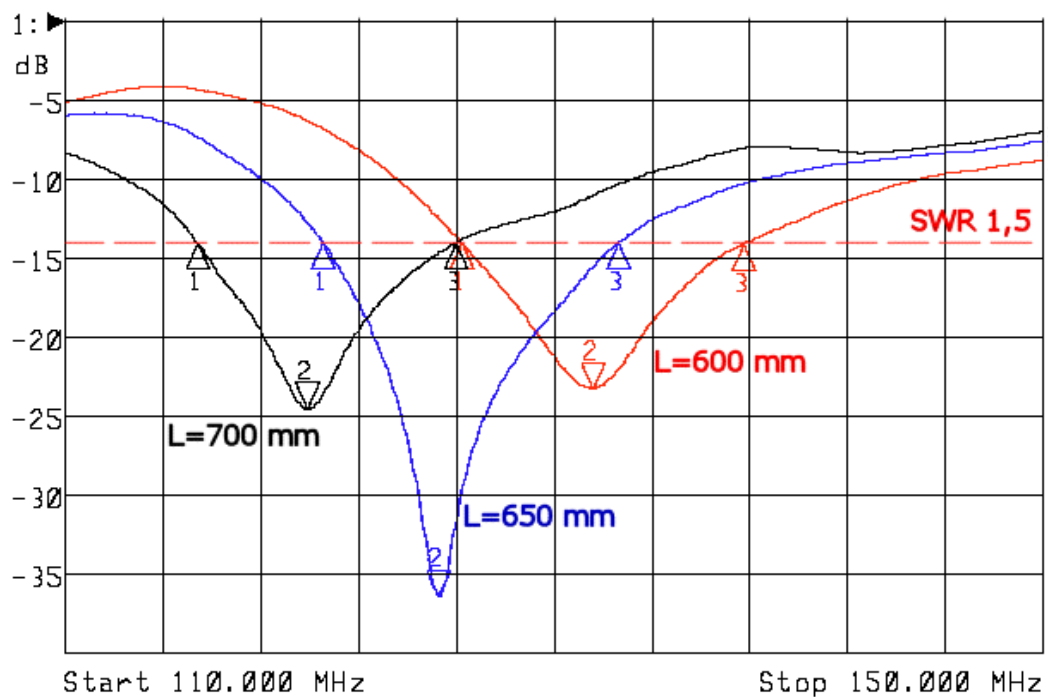
The antenna is attached with two M10x20 bolts (material A2). The ground plane elements can be detached for easy transportation.

Type	AV1458
Frequency	AV1458 : 118...136 MHz AV1458-M: 118...136 MHz AV1458-1 : 118...144 MHz
Bandwidth	AV1458 : 18 MHz as in table AV1458-M : 18 MHz as in table AV1458-1 : 26 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	2 dBi
E-plane 3 dB beamwidth	80°
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	0,1 m ²
Dimensions (H x W x D) ($\varnothing$ x H)	858 x 750 x 750 mm
Weight	2 kg
Mounting diameter	$\varnothing$ 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	Wide band version : AV1458-1 Marine version : AV1458-M

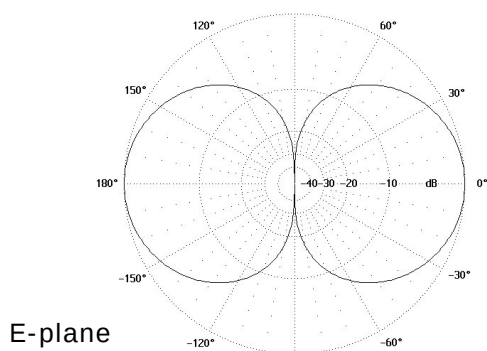
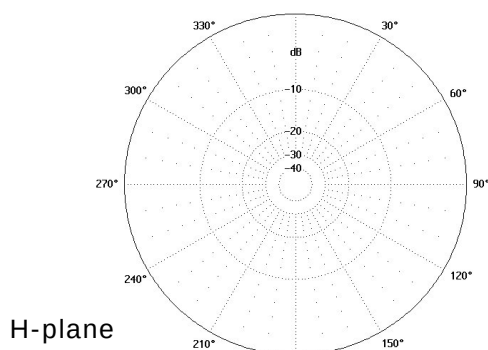
AV1458 GROUND PLANE ELEMENT TUNING



AV1458-M GROUND PLANE ELEMENT TUNING



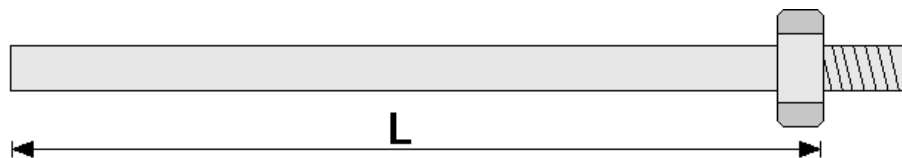
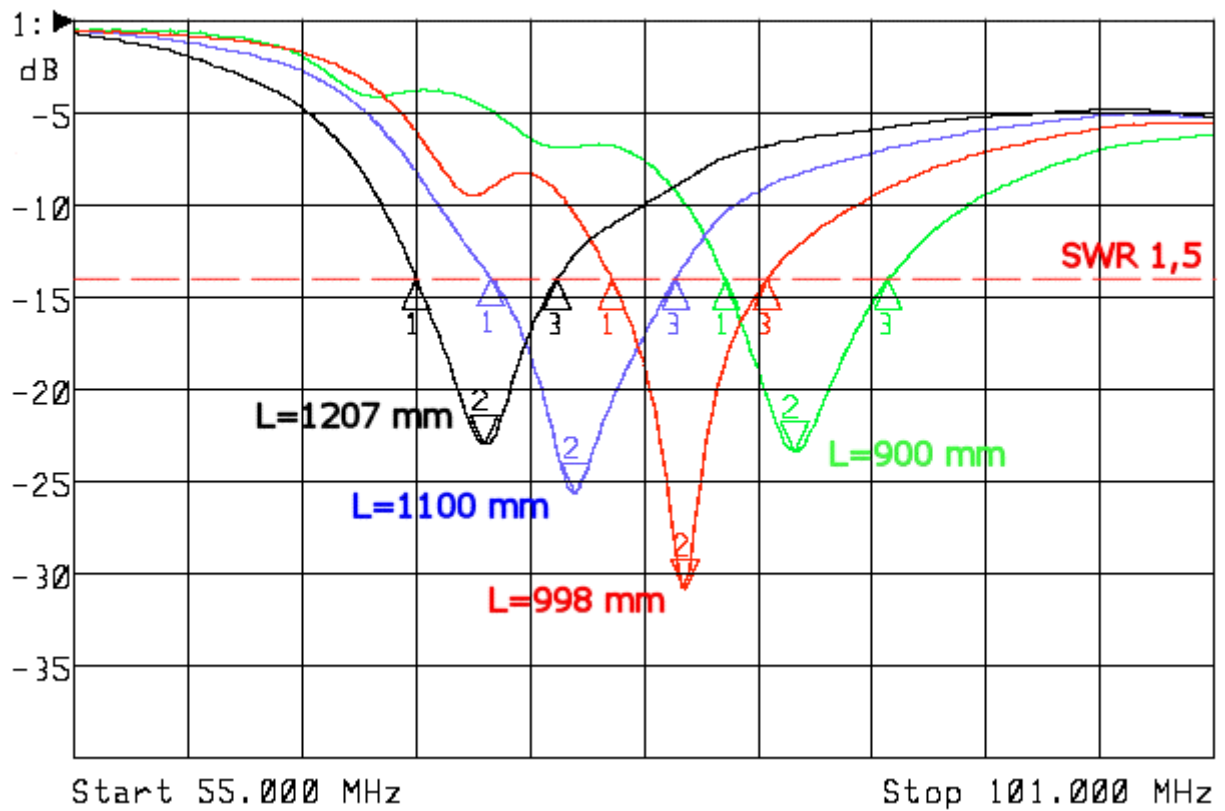
GROUND PLANE ANTENNA AV1460



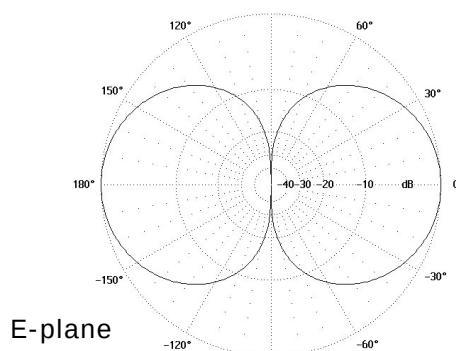
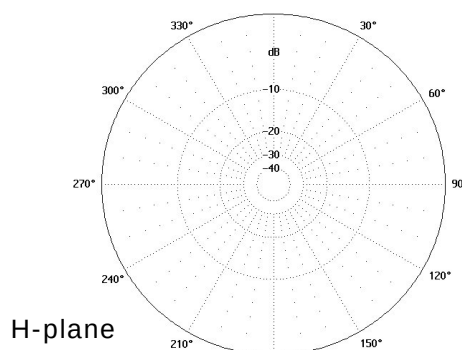
The antenna is attached with two M10x20 bolts (material A2). The ground plane elements can be detached for easy transportation.

Type	AV1460
Frequency	68...88 MHz
Bandwidth	20 MHz as in table
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	2 dBi
E-plane 3 dB beamwidth	80°
H-plane 3 dB beamwidth	N/A
Electrical downtilt	None
Front to back ratio	N/A
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 ²
Dimensions (H x W x D) (Ø x H)	1400 x 1400 x 1400 mm
Weight	3 kg
Mounting diameter	Ø 40...60 mm pipe
Materials	Aluminium Glass reinforced PE
Options	Marine version : AV1460-M

AV1460 GROUND PLANE ELEMENT TUNING



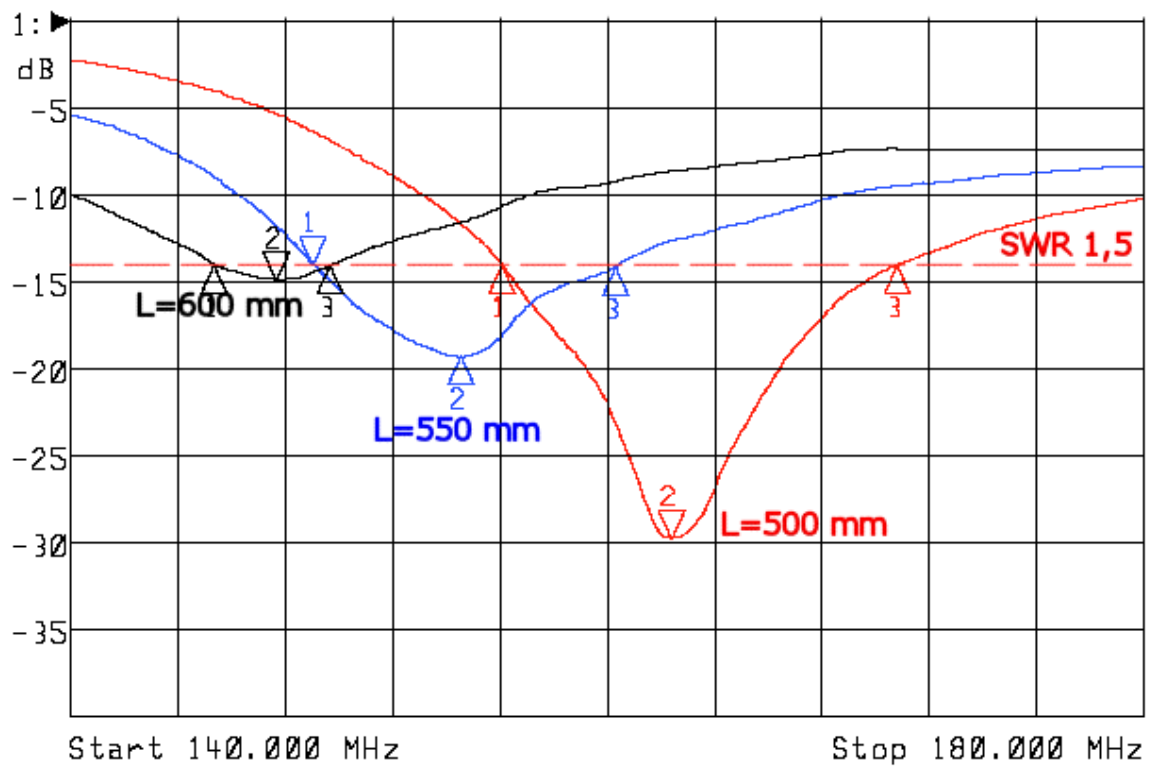
GROUND PLANE ANTENNA AV1461



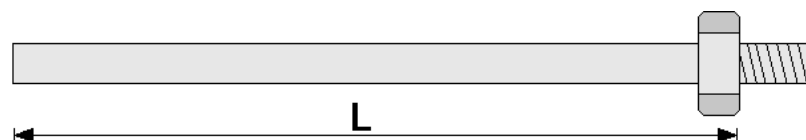
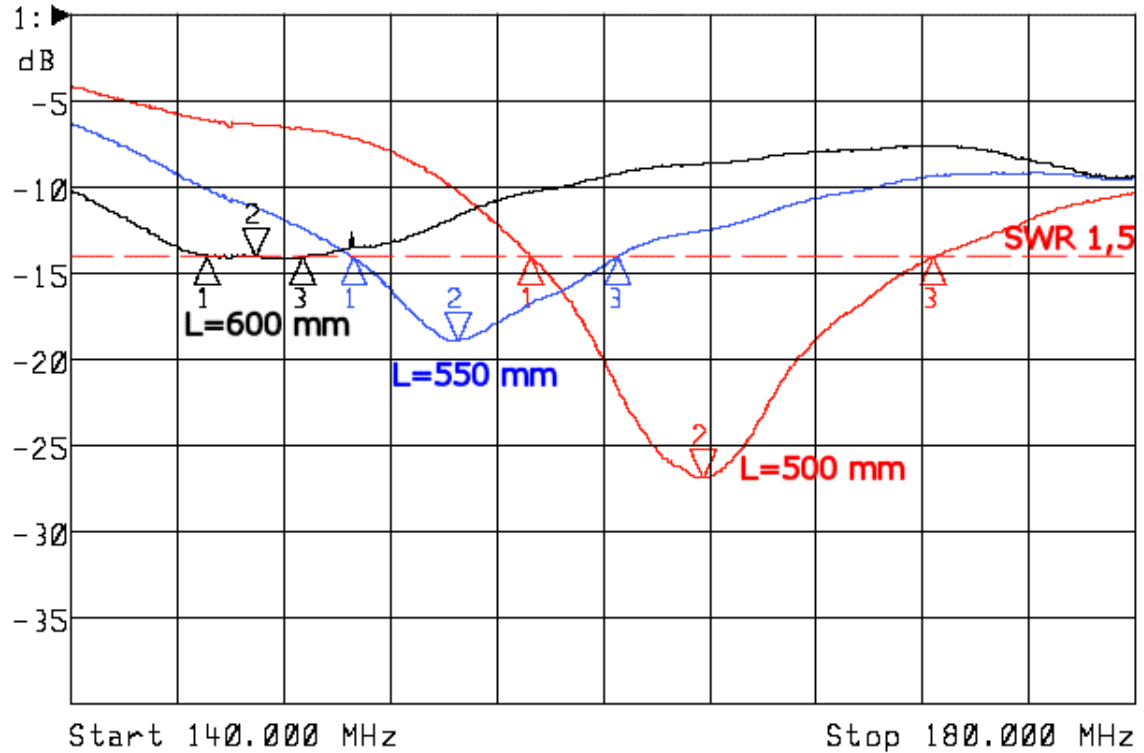
The antenna is attached with two M10x20 bolts (material A2). The ground plane elements can be detached for easy transportation.

Type	AV1461
Frequency	146...174 MHz
Bandwidth	8% (see table)
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	2 dBi
E-plane 3 dB beamwidth	80°
H-plane 3 dB beamwidth	N/A
Electrical downtilt	None
Front to back ratio	N/A
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 ²
Dimensions (H x W x D) ($\varnothing$ x H)	500 x 700 x 700 mm
Weight	2 kg
Mounting diameter	$\varnothing$ 40...60 mm pipe
Materials	Aluminium Glass reinforced PE
Options	Marine version : AV1461-M

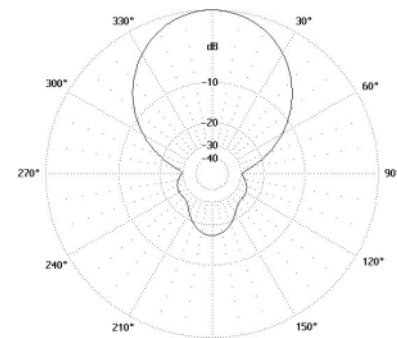
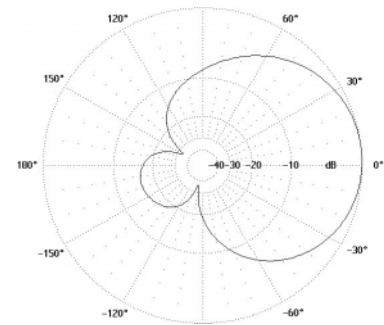
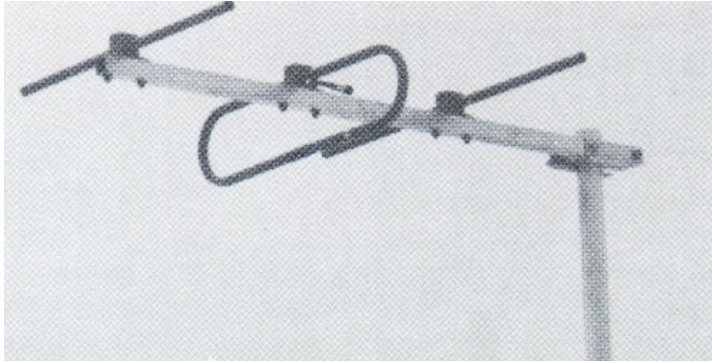
AV1461 GROUND PLANE ELEMENT TUNING



AV1461-M GROUND PLANE ELEMENT TUNING

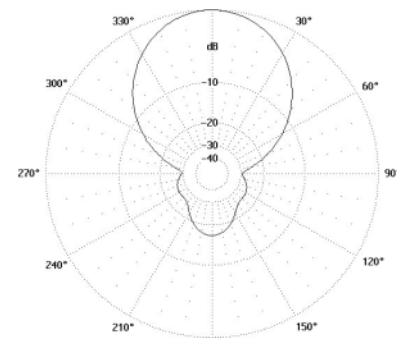
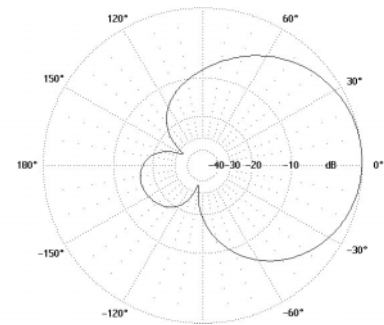
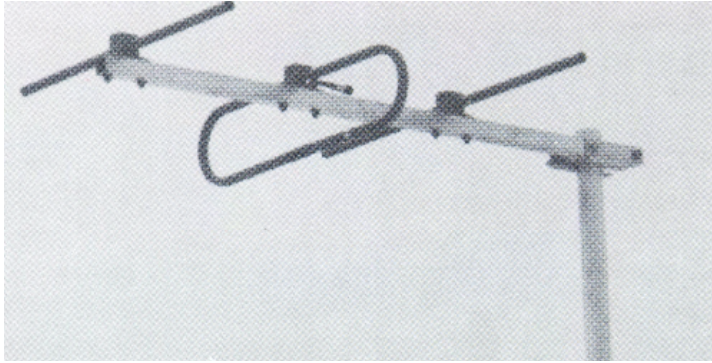


YAGI ANTENNA AV1462-78



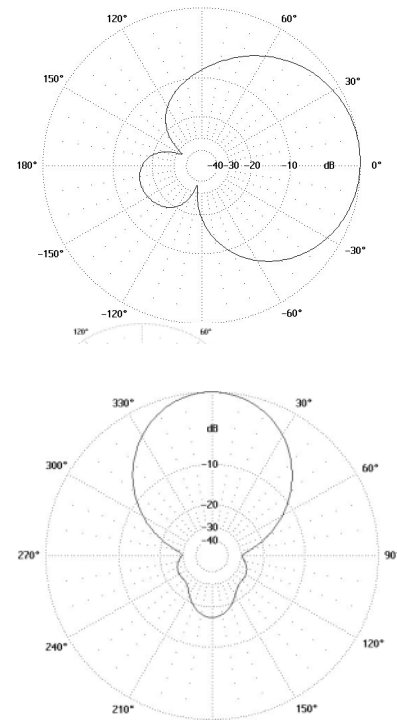
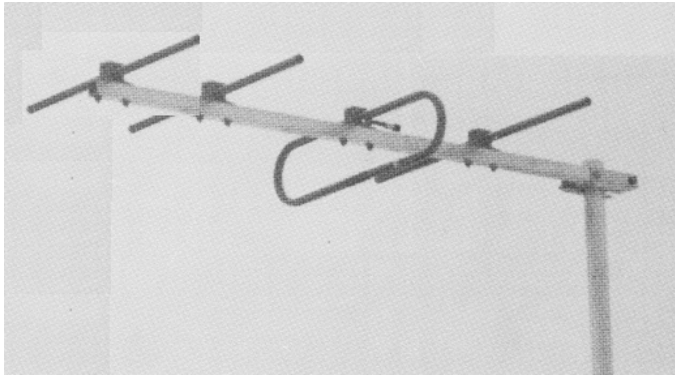
Type	AV1462-78
Frequency	68...88 MHz
Bandwidth	20 MHz in 5 MHz steps
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Horisontal or Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	80°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,4 m ²
Dimensions (H x W x D) (Ø x H)	1740 x 1830 x 200 mm
Weight	7 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

YAGI ANTENNA AV1462-160



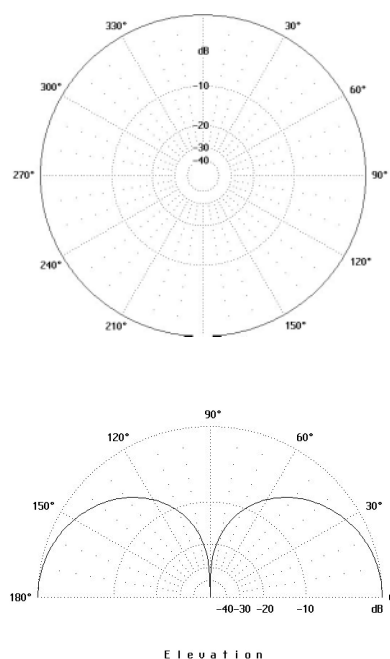
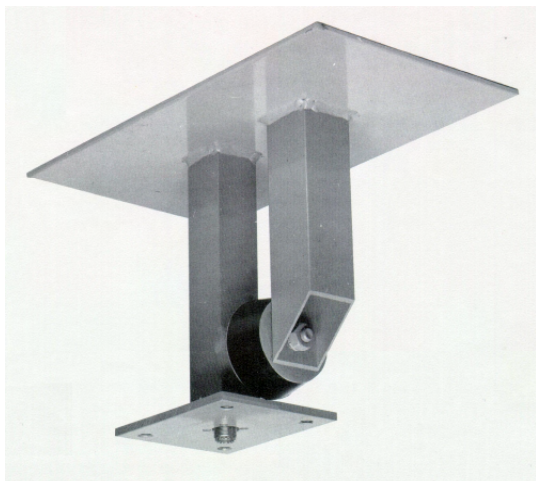
Type	AV1462-160
Frequency	146...174 MHz
Bandwidth	28 MHz in 8 MHz steps
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Horisontal or Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	80°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,2 m ²
Dimensions (H x W x D) (Ø x H)	1400 x 900 x 140 mm
Weight	4 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

YAGI ANTENNA AV1462-280



Type	AV1462-280
Frequency	275...285 MHz
Bandwidth	10 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Horisontal or Vertical
Gain	9 dBi
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	60°
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	0,2 m ²
Dimensions (H x W x D) (Ø x H)	1100 x 500 x 140 mm
Weight	3 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

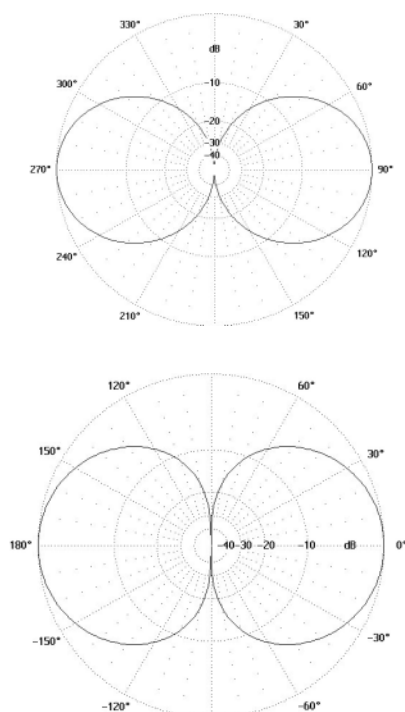
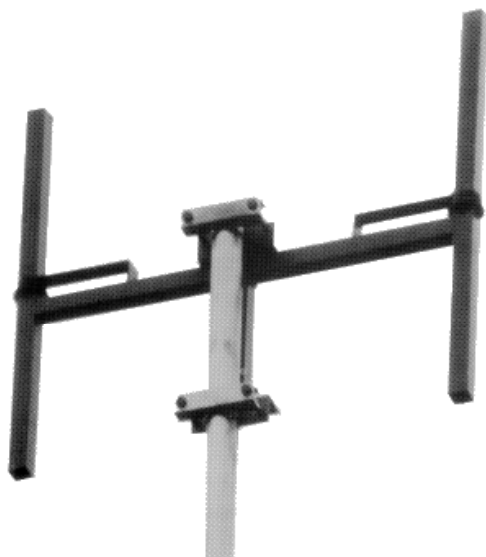
VEHICLE ANTENNA AV1469



Type	AV1469
Frequency	146...174 MHz
Bandwidth	7 MHz (5% of center frequency)
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	2 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 UHF female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,1 m ²
Dimensions (H x W x D) (Ø x H)	200 x 270 x 200 mm
Weight	1,4 kg
Mounting diameter	Minimum 1 m ² metal plate ground plane. 4 pcs M10 screws.
Materials	Aluminium Glass reinforced PE
Options	-

BIDIRECTIONAL ANTENNA AV1481

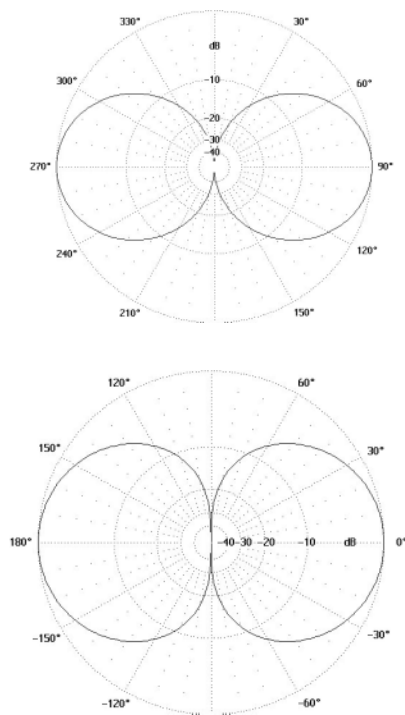
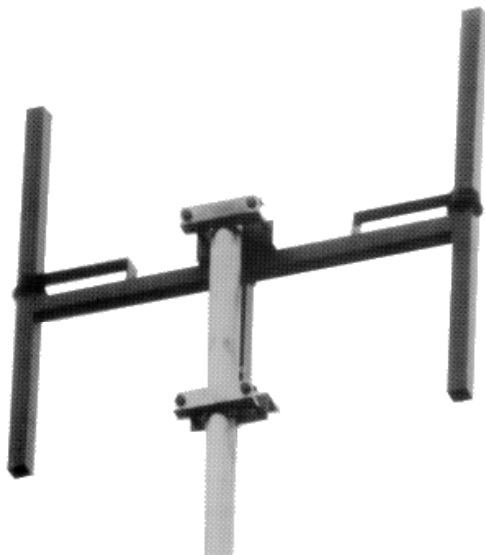
In H-plane the nulls are towards the axis formed by the dipoles.



Type	AV1481
Frequency	AV1481-73 : 68...78 MHz AV1481-83 : 78...88 MHz
Bandwidth	10 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	5 dBi
E-plane 3 dB beamwidth	70 °
H-plane 3 dB beamwidth	60°
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	0,4 m ²
Dimensions (H x W x D) (Ø x H)	1680 x 1800 x 100 mm
Weight	9 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

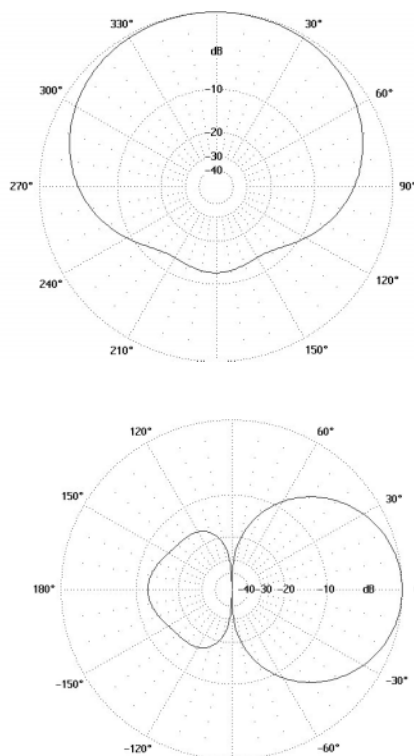
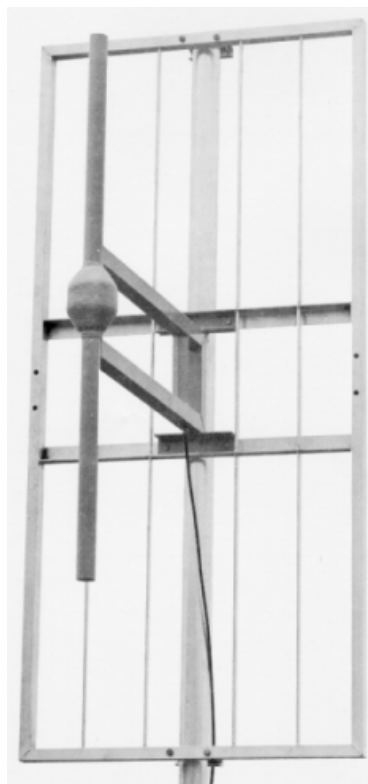
BIDIRECTIONAL ANTENNA AV1482

In H-plane the nulls are towards the axis formed by the dipoles.



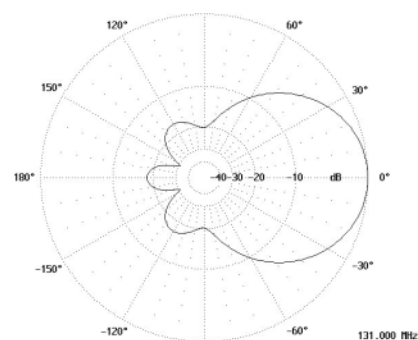
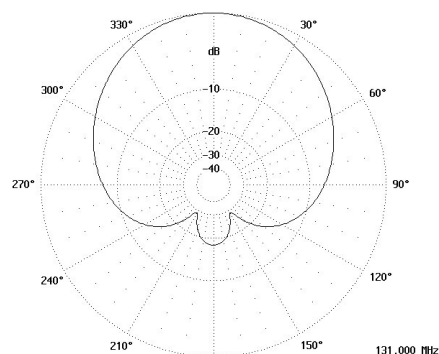
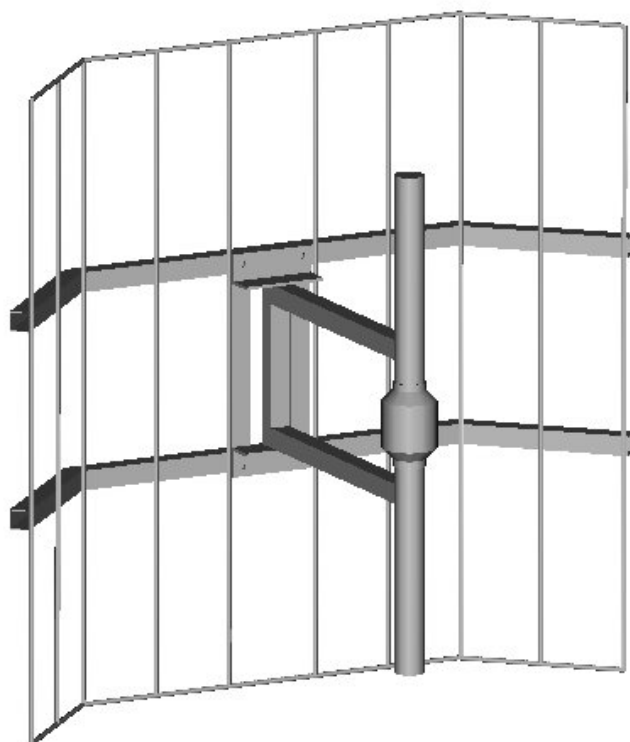
Type	AV1482
Frequency	146...174 MHz
Bandwidth	28 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	5 dBi
E-plane 3 dB beamwidth	70 °
H-plane 3 dB beamwidth	60°
Electrical downtilt	None
Front to back ratio	Db
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,2 m ²
Dimensions (H x W x D) (Ø x H)	990 x 940 x 100 mm
Weight	5 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

DIRECTIONAL BASE STATION ANTENNA AV1523-1



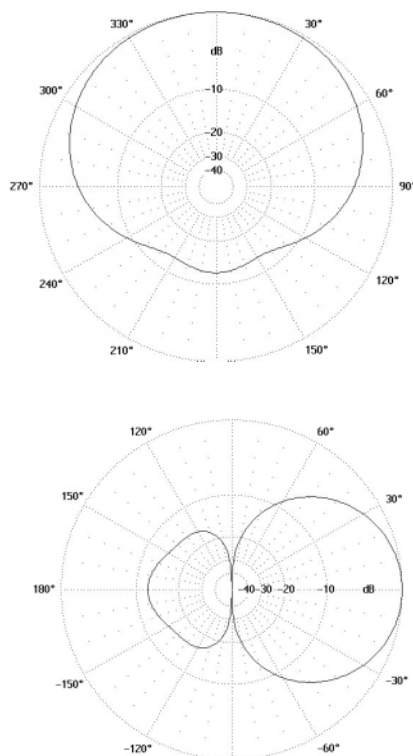
Type	AV1523-1
Frequency	118...144 MHz
Bandwidth	26 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	6 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	160°
Electrical downtilt	None
Front to back ratio	12 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,4 m ²
Dimensions (H x W x D) (Ø x H)	2000 x 1000 x 1000 mm
Weight	15 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE Hot dip galvanised steel
Options	-

DIRECTIONAL ANTENNA AV1523-2



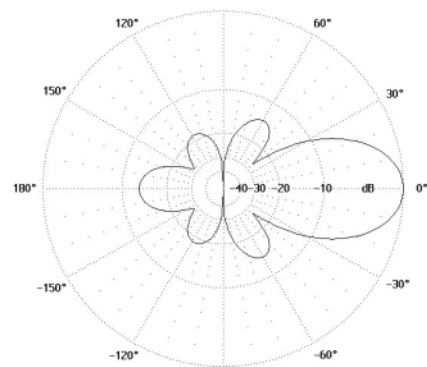
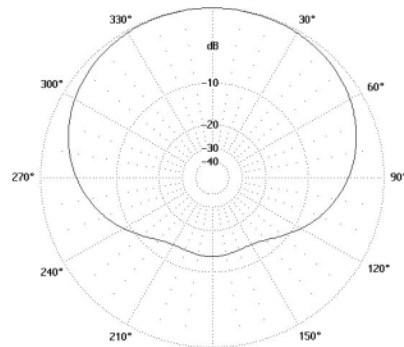
Type	AV1523-2
Frequency	118...144 MHz
Bandwidth	26 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	90°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,5 m ²
Dimensions (H x W x D) (Ø x H)	2000 x 1580 x 640 mm
Weight	30 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Hot dip galvanised steel
Options	-

DIRECTIONAL BASE STATION ANTENNA AV1523-3



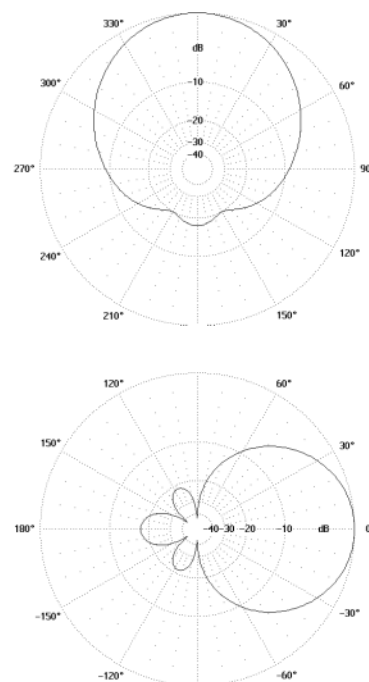
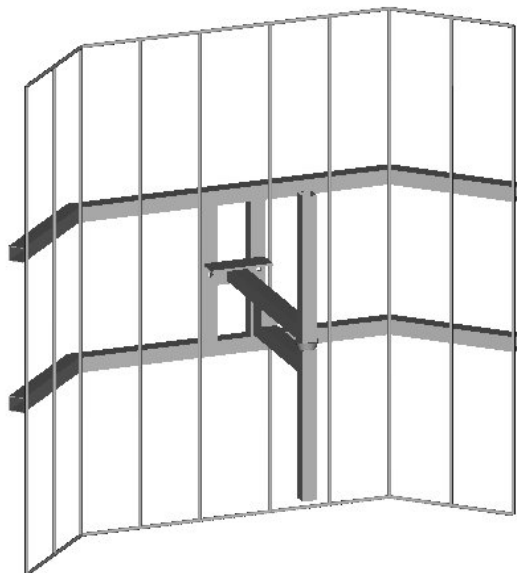
Type	AV1523-3
Frequency	146...174 MHz
Bandwidth	28 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	6 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	160°
Electrical downtilt	None
Front to back ratio	12 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,13 m ²
Dimensions (H x W x D) (Ø x H)	1250 x 600 x 620 mm
Weight	8 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE Hot dip galvanised steel
Options	-

DIRECTIONAL BASE STATION ANTENNA AV1523-3-2



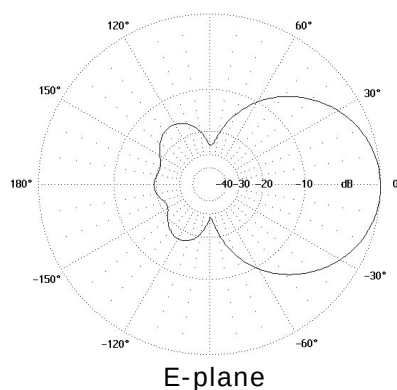
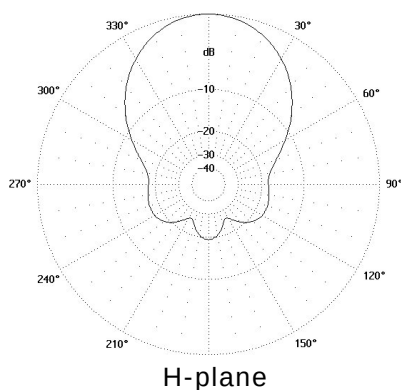
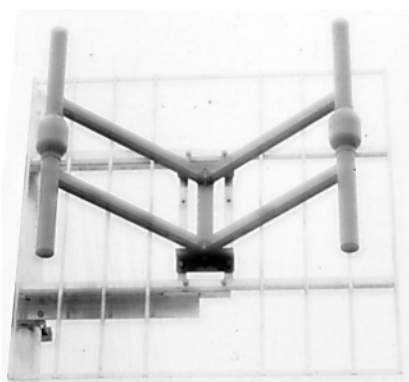
Type	AV1523-3-2
Frequency	146...174 MHz
Bandwidth	28 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	9 dBi
E-plane 3 dB beamwidth	35°
H-plane 3 dB beamwidth	160°
Electrical downtilt	None
Front to back ratio	12 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,26 m ²
Dimensions (H x W x D) (Ø x H)	2765 x 600 x 520 mm
Weight	17 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE Hot dip galvanised steel
Options	-

DIRECTIONAL ANTENNA AV1523-4



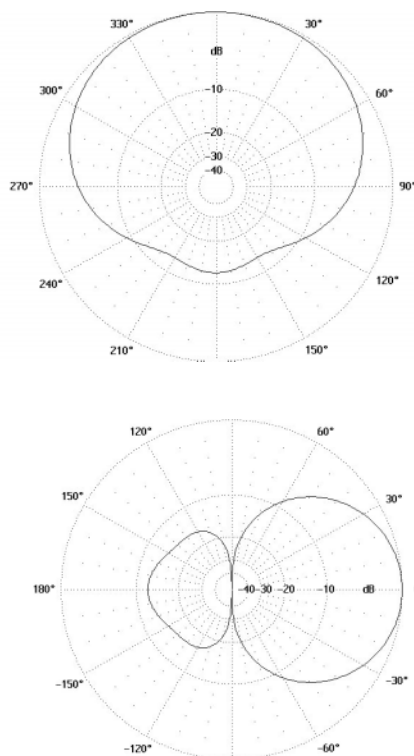
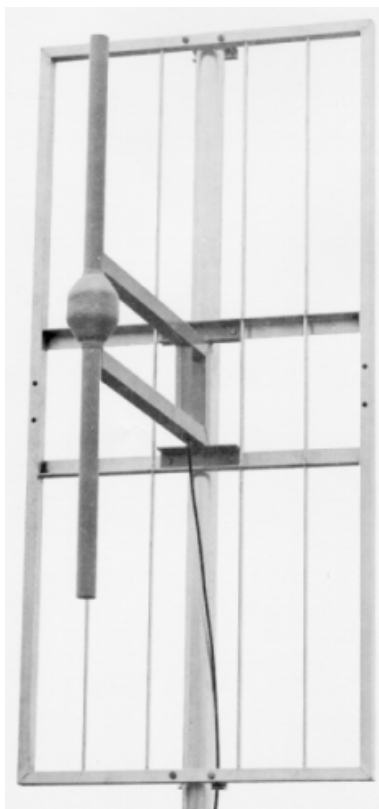
Type	AV1523-4
Frequency	146...174 MHz
Bandwidth	28 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	90°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,4 m ²
Dimensions (H x W x D) (Ø x H)	1300x1350x630mm
Weight	20kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Hot dip galvanised steel Glass reinforced PE
Options	-

DIRECTIONAL BASE STATION ANTENNA AV1526



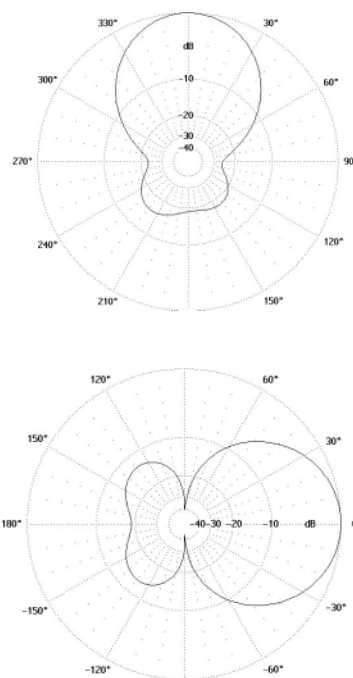
Type	AVAV1526
Frequency	146...174 MHz
Bandwidth	28 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Horizontal or Vertical
Gain	9 dBi
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	60°
Electrical downtilt	None
Front to back ratio	20 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,8 m ²
Dimensions (H x W x D) ($\varnothing$ x H)	1300 x 1300 x 490 mm
Weight	20 kg
Mounting diameter	$\varnothing$ 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	-

DIRECTIONAL BASE STATION ANTENNA AV1528



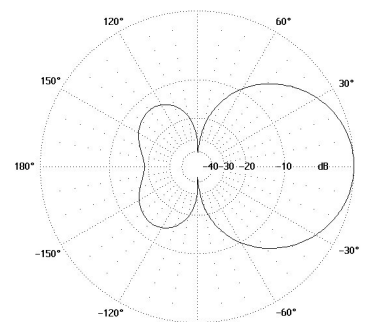
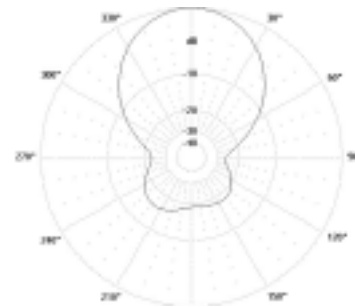
Type	AV1528
Frequency	68...88 MHz
Bandwidth	20 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	6 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	160°
Electrical downtilt	None
Front to back ratio	12 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,7 m ²
Dimensions (H x W x D) (Ø x H)	2600 x 1200 x 1300 mm
Weight	20 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE Hot dip galvanised steel
Options	-

DIRECTIONAL BASE STATION ANTENNA AV1543



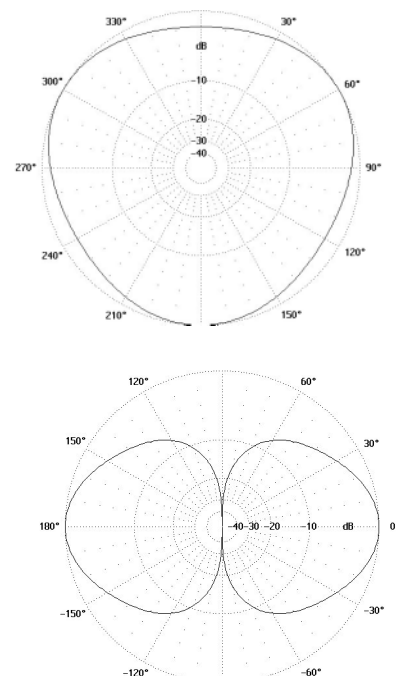
Type	AV1543
Frequency	118...144 MHz
Bandwidth	26 MHz
Impedance	50 Ω DC grounded
VSWR	1,3 typical 1,5 max
Polarisation	Vertical
Gain	9 dBi
E-plane 3 dB beamwidth	75°
H-plane 3 dB beamwidth	60°
Electrical downtilt	None
Front to back ratio	18 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,7 m ²
Dimensions (H x W x D) (Ø x H)	1480 x 1940 x 660 mm
Weight	50 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Hot dip galvanised steel Glassfiber radome Glass reinforced PE
Options	-

DIRECTIONAL BASE STATION ANTENNA AV1543-145



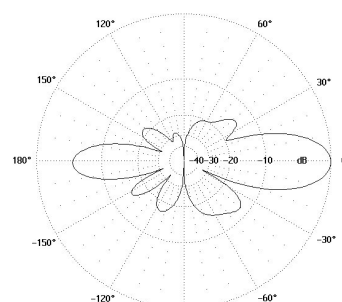
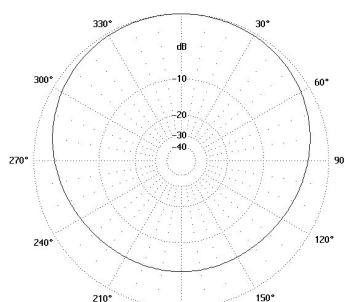
Type	AV1543-145
Frequency	130...160 MHz
Bandwidth	30 MHz
Impedance	50 Ω DC grounded
VSWR	1,3 typical 1,5 max
Polarisation	Vertical
Gain	9 dBi
E-plane 3 dB beamwidth	75°
H-plane 3 dB beamwidth	60°
Electrical downtilt	None
Front to back ratio	18 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,7 m ²
Dimensions (H x W x D) (Ø x H)	1480 x 1940 x 660 mm
Weight	50/20 kg (St-/Al-version)
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Hot dip galvanised steel Glassfiber radome Glass reinforced PE
Options	-

OMNIDIRECTIONAL BASE STATION ANTENNA FOR 1...4 CHANNELS AV1705



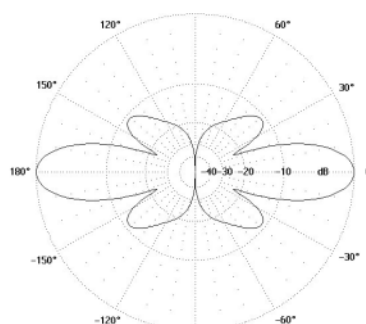
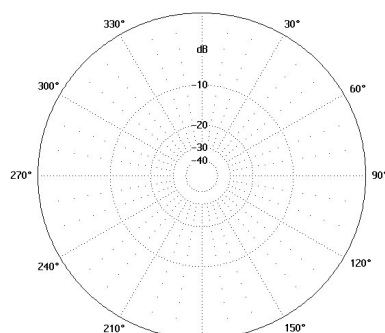
Type	AV1705
Frequency	146...174 MHz
Bandwidth	28 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	2 dBi
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	360° within $\pm 1,5$ dB
Electrical downtilt	None
Front to back ratio	- dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,8 m ²
Dimensions (H x W x D) (Ø x H)	824 x 1000 mm
Weight	53 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	Multitier antennas with 1...8 tiers.

HIGH GAIN BASE STATION ANTENNA AV1910



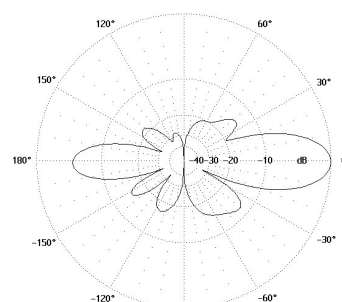
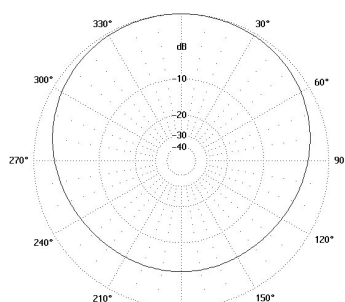
Type	AV1910
Frequency	118...144 MHz
Bandwidth	26 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	10 dBi
E-plane 3 dB beamwidth	14°
H-plane 3 dB beamwidth	180°/dependent on mounting
Electrical downtilt	None
Front to back ratio	6 dB/dependent on mounting
Max. Continuous power	0,5 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 ²
Dimensions (H x W x D) (Ø x H)	6000 x 450 x 75 mm
Weight	25 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	Available with different electrical tilt angles.

OMNIDIRECTIONAL BASE STATION ANTENNA AV1911



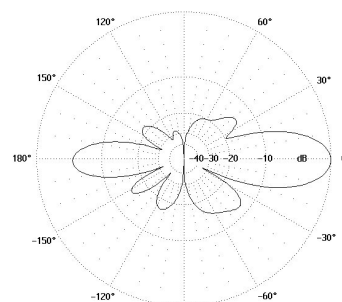
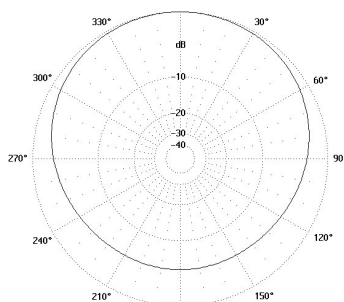
Type	AV1911
Frequency	146...174 MHz
Bandwidth	7 MHz (5% of center frequency)
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	20°
H-plane 3 dB beamwidth	360° within $\pm 1,5$ dB
Electrical downtilt	None
Front to back ratio	-dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,6 m ²
Dimensions (H x W x D) ($\varnothing$ x H)	6000 x 100 (top 70) mm
Weight	12 kg
Mounting diameter	$\varnothing$ 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	Center frequency

HIGH GAIN BASE STATION ANTENNA AV1912



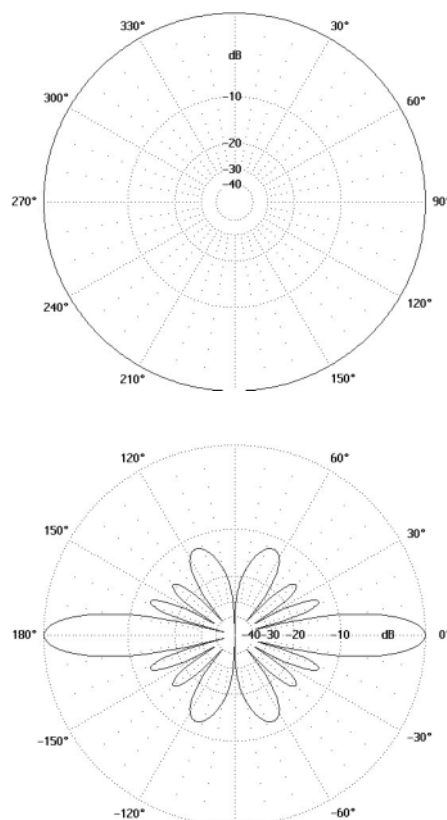
Type	AV1912
Frequency	146...174 MHz
Bandwidth	28 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	10 dBi
E-plane 3 dB beamwidth	14°
H-plane 3 dB beamwidth	180°/dependent on mounting
Electrical downtilt	None
Front to back ratio	6 dB/dependent on mounting
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,65 m ²
Dimensions (H x W x D) (Ø x H)	5000 x 400 x 75 mm
Weight	20 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

HIGH GAIN BASE STATION ANTENNA AV1913



Type	AV1913
Frequency	214...234 MHz
Bandwidth	20 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	10 dBi
E-plane 3 dB beamwidth	14°
H-plane 3 dB beamwidth	180°/dependent on mounting
Electrical downtilt	None
Front to back ratio	6 dB/dependent 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	0,50 m ²
Dimensions (H x W x D) ($\varnothing$ x H)	3900 x 350 x 75 mm
Weight	18 kg
Mounting diameter	$\varnothing$ 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	-

OMNIDIRECTIONAL BASE STATION ANTENNA AV1919



Type	AV1919
Frequency	223...230 MHz
Bandwidth	7 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	8 dBi
E-plane 3 dB beamwidth	13°
H-plane 3 dB beamwidth	360° within $\pm 1,5$ dB
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	0,52 m ²
Dimensions (H x W x D) ($\varnothing$ x H)	5900 x 100 mm
Weight	20 kg
Mounting diameter	$\varnothing$ 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	High power version with EIA 7/8" Flange and 1 kW max. power