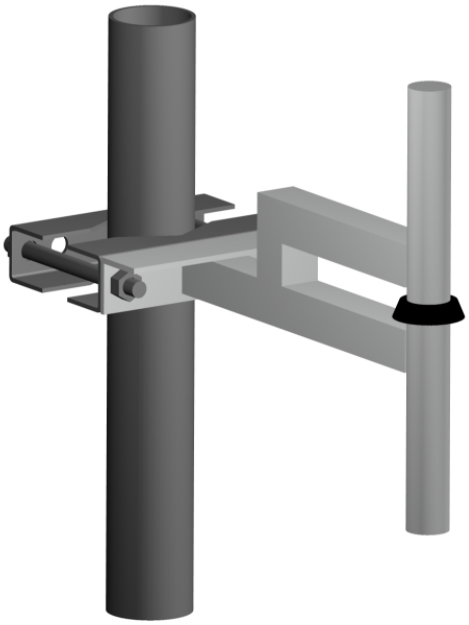
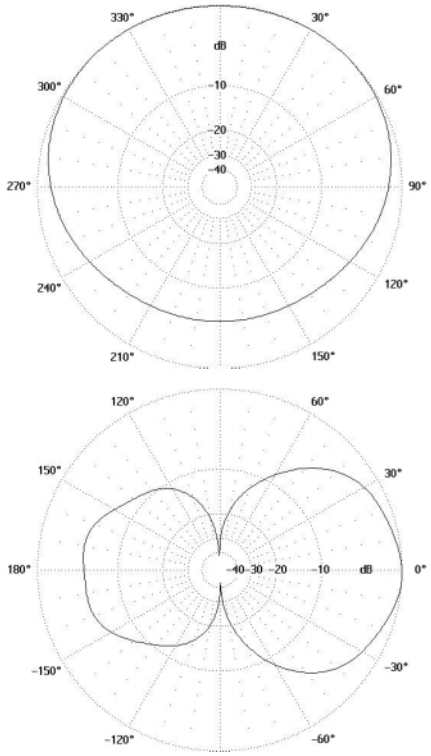
# SIDE MOUNTED DIPOLE ANTENNA AV1314






| Type | AV1314 |
|---|---|
| Frequency | 380…470 MHz (AV1314-H)<br>340…440 MHz (AV1314-L)<br>300…350 MHz (AV1314-A)<br>280...320 MHz (AV1314-300) |
| Bandwidth | 90 MHz (AV1314-H)<br>100 MHz (AV1314-L)<br>50 MHz (AV1314-A)<br>40 MHz (AV1314-300) |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 300 x 160 x 300 mm |
| Weight | 1,3 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glass reinforced polycarbonate/PE |
| Options | - |

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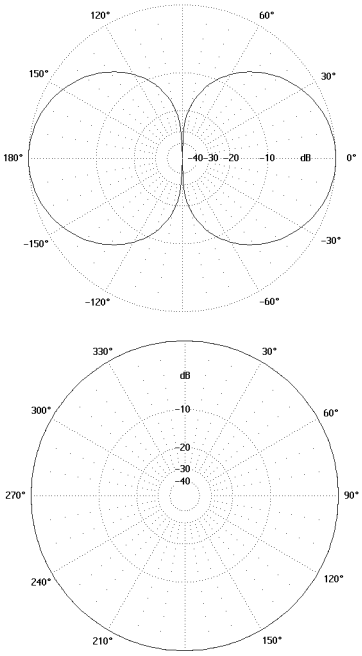
# OMNIDIRECTIONAL ANTENNA AV1427

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




| Type | AV1427 |
|---|---|
| Frequencies | 380...400 MHz (AV1427-390)<br>400...430 MHz (AV1427-415)<br>450...470 MHz (AV1427-460) |
| Bandwidth | 20 MHz (AV1427-390)<br>30 MHz (AV1427-405)<br>20 MHz (AV1427-460) |
| Impedance | 50 Ω |
| 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 m² |
| Dimensions (H x W x D) (∅ x H) | 400 x 30 x 30 mm |
| Weight | 0,6 kg |
| Mounting | 1) On horizontal plane or ceiling upside down.<br>2) On top of the mounting pipe ∅ max. 40 mm.<br>3) Adjacent to the mounting pipe∅ max. 40 mm.<br>4) On the wall.<br><br>NOTE: The materials around the antenna and mounting environment in general may change the radiation and VSWR characteristics! |
| Materials | Aluminium<br>Glassfiber radome<br>Glass reinforced PE |
| Options | - |

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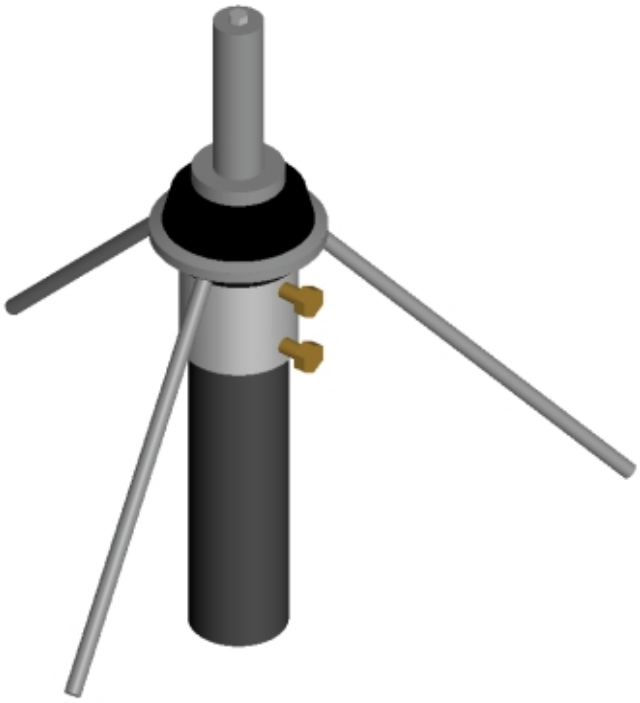
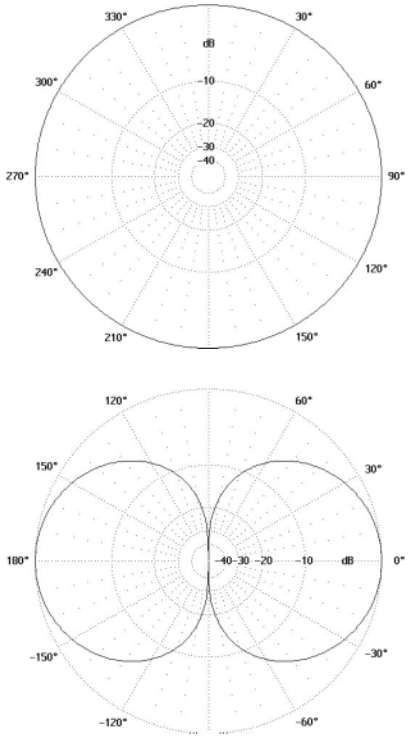
# GROUND PLANE ANTENNA AV1463






| Type | AV1463 |
|---|---|
| Frequency | 310…470 MHz |
| Bandwidth | 160 MHz |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) | 345 x 340 x 340 mm (assembled)<br>Delivered with ground plane elements detached |
| Weight | 0,5 kg |
| Mounting diameter | ∅ 30…60 mm pipe |
| Materials | Aluminium<br>Glass reinforced polycarbonate/PE |
| Options | - |

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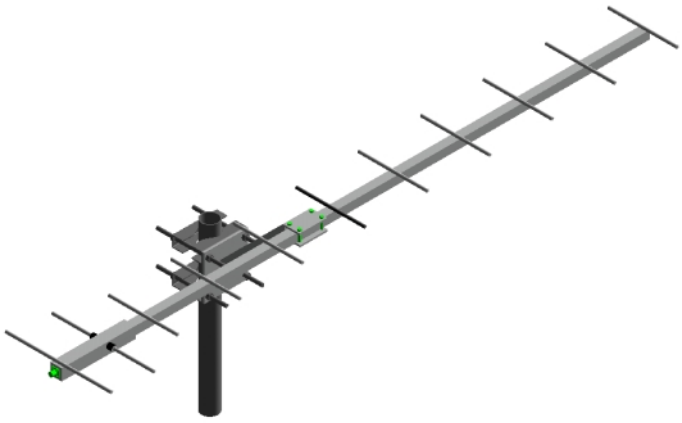
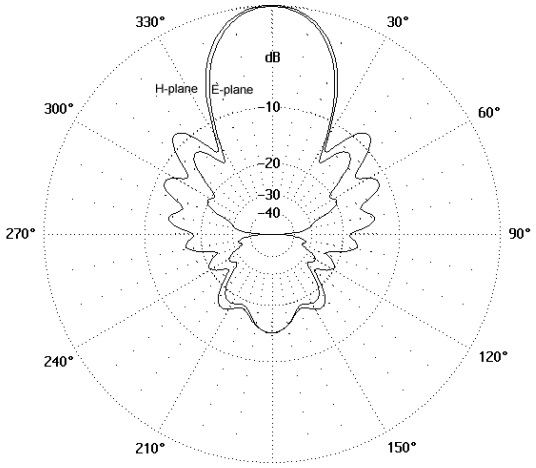
# YAGI ANTENNA AV1464






| Type | AV1464 |
|---|---|
| Frequency | 370…390 MHz (AV1464-380)<br>380…420 MHz (AV1464-400)<br>415…440 MHz (AV1464-425)<br>440…470 MHz (AV1464-455) |
| Bandwidth | 20 MHz (AV1464-380)<br>40 MHz (AV1464-400)<br>35 MHz (AV1464-425)<br>30 MHz (AV1464-455) |
| Impedance | 50 Ω DC grounded |
| VSWR | 1,5 max |
| Polarisation | Horisontal 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 m² |
| Dimensions (H x W x D) (∅ x H) | 2115 x 380 x 50 mm |
| Weight | 4 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glass reinforced polycarbonate/PE |
| Options | - |

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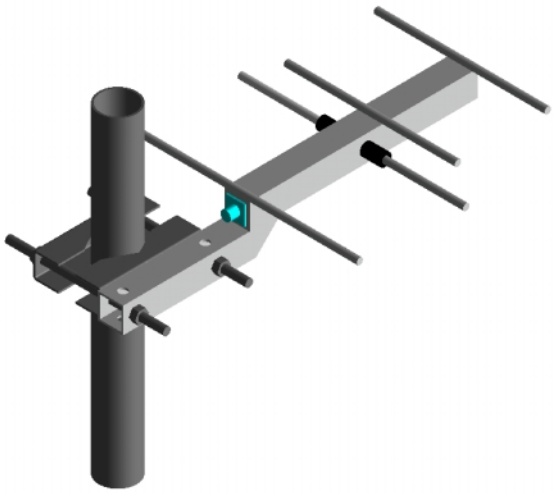
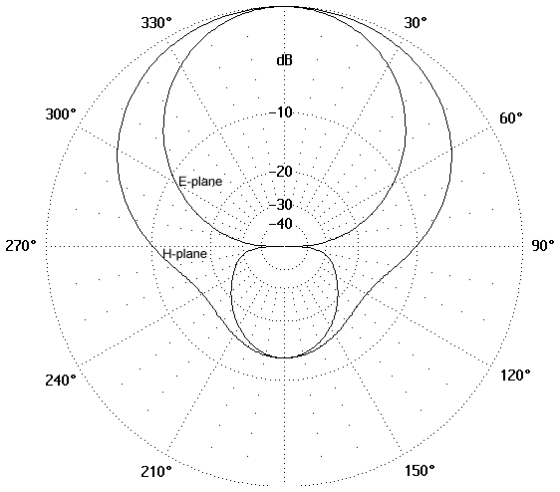
# YAGI ANTENNA AV1467






| Type | AV1467 |
|---|---|
| Frequency | 370…400 MHz (AV1467-385)<br>400…440 MHz (AV1467-420)<br>440…480 MHz (AV1467-460) |
| Bandwidth | 30 MHz (AV1467-385)<br>40 MHz (AV1467-420)<br>40 MHz (AV1467-460) |
| Impedance | 50 Ω DC grounded |
| VSWR | 1,5 max |
| Polarisation | Horisontal 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 m² |
| Dimensions (H x W x D) (∅ x H) | 574 x 380 x 90 mm |
| Weight | 1,5 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glass reinforced polycarbonate/PE |
| Options | - |

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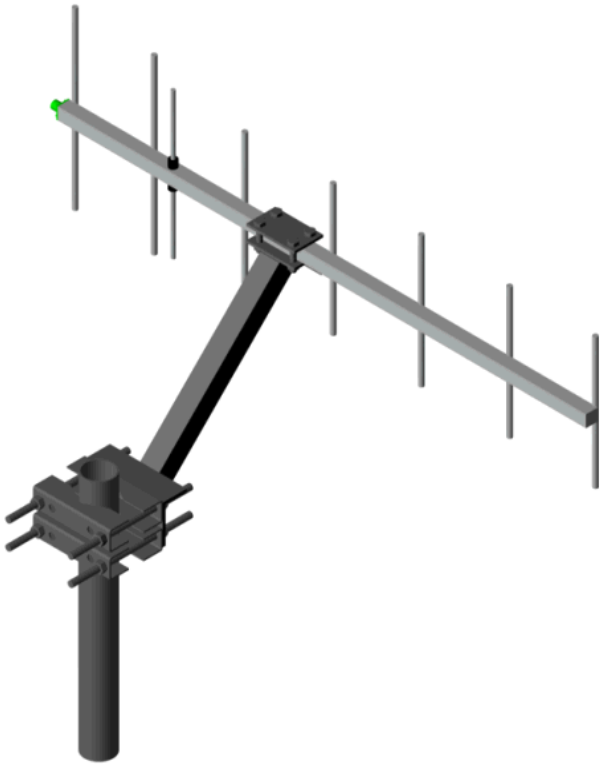
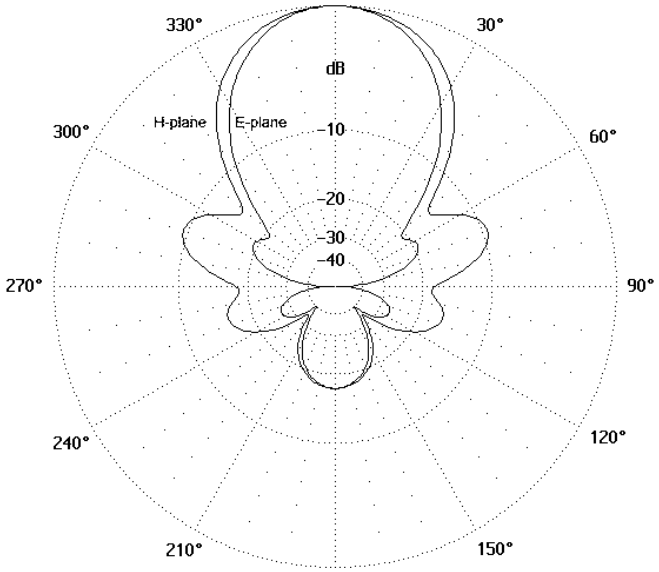
# YAGI ANTENNA AV1468






| Type | AV1468 |
|---|---|
| Frequency | AV1468-390 : 380...400 MHz<br>AV1468-420 : 400...440 MHz<br>AV1468-460 : 440...480 MHz |
| Bandwidth | AV1468-390 : 20 MHz<br>AV1468-420 : 40 MHz<br>AV1468-460 : 40 MHz |
| Impedance | 50 Ω DC grounded |
| VSWR | 1,5 max |
| Polarisation | Horisontal 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 m² |
| Dimensions (H x W x D) (∅ x H) | 1105 x 362 x 52 mm<br>(AV1468-420) |
| Weight | 1,3 kg (AV1468-420) |
| Mounting diameter | ∅ 30...115 mm pipe |
| Materials | Aluminium<br>Glass reinforced<br>polycarbonate/PE |
| Options | - |

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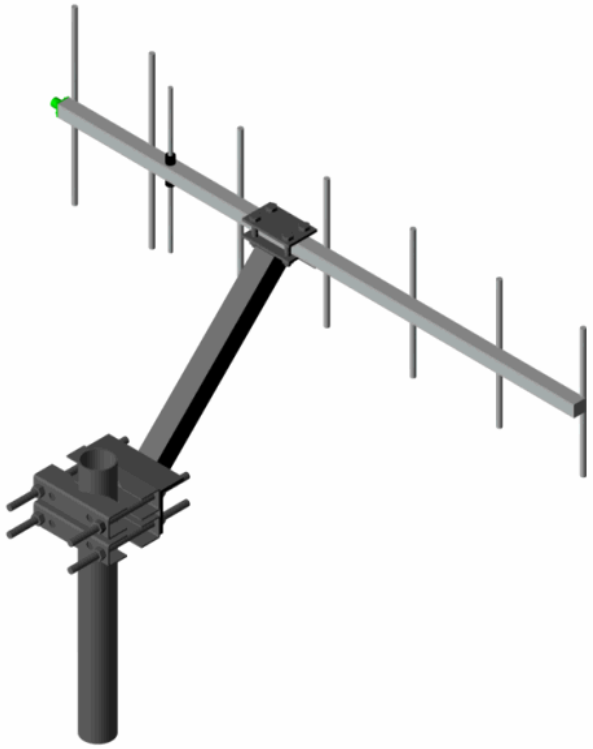
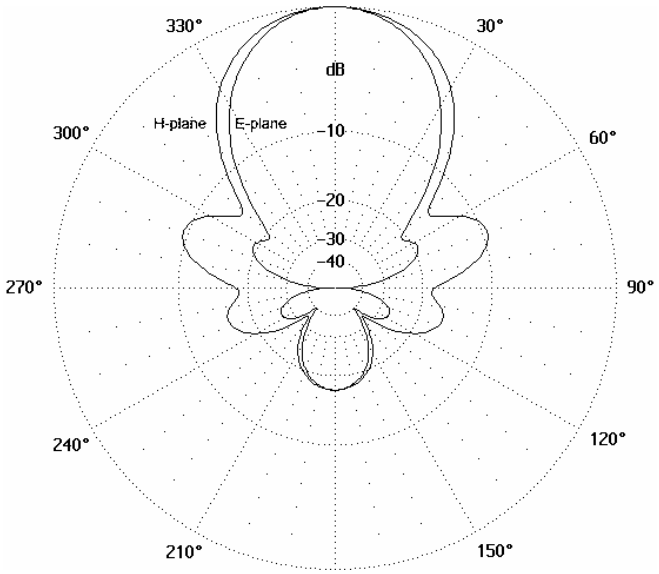
# YAGI ANTENNA AV1468






| Type | AV1468 |
|---|---|
| Frequency | AV1468-390 : 380...400 MHz<br>AV1468-420 : 400...440 MHz<br>AV1468-460 : 440...480 MHz |
| Bandwidth | AV1468-390 : 20 MHz<br>AV1468-420 : 40 MHz<br>AV1468-460 : 40 MHz |
| Impedance | 50 Ω DC grounded |
| VSWR | 1,5 max |
| Polarisation | Horisontal 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 m² |
| Dimensions (H x W x D) (∅ x H) | 1105 x 362 x 52 mm<br>(AV1468-420) |
| Weight | 1,3 kg (AV1468-420) |
| Mounting diameter | ∅ 30...115 mm pipe |
| Materials | Aluminium<br>Glass reinforced<br>polycarbonate/PE |
| Options | - |

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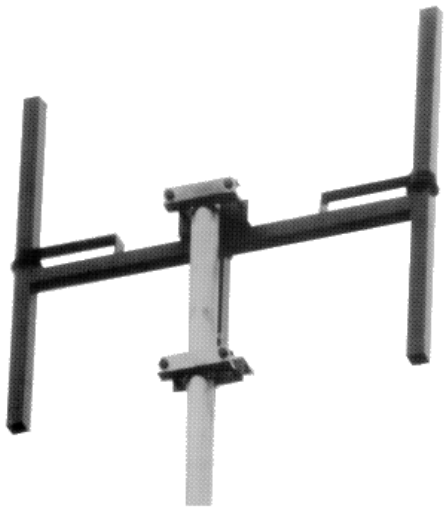
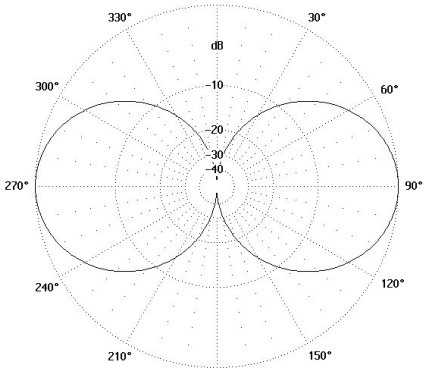
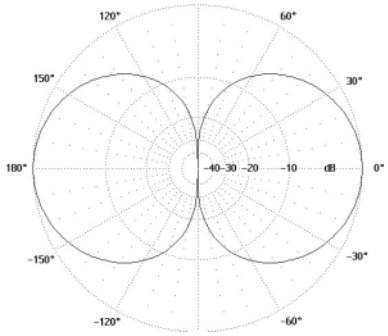
# BIDIRECTIONAL ANTENNA AV1484






| Type | AV1484 |
|---|---|
| Frequency | 365...435 MHz |
| Bandwidth | 70 MHz |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 380 x 400 x 100 mm |
| Weight | 2,5 kg |
| Mounting diameter | ∅ 30...115 mm pipe |
| Materials | Aluminium<br>Glass reinforced polycarbonate/PE |
| Options | Special frequency ranges available on request |

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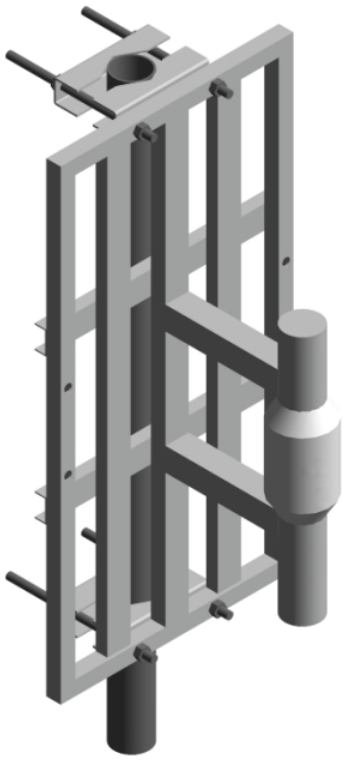
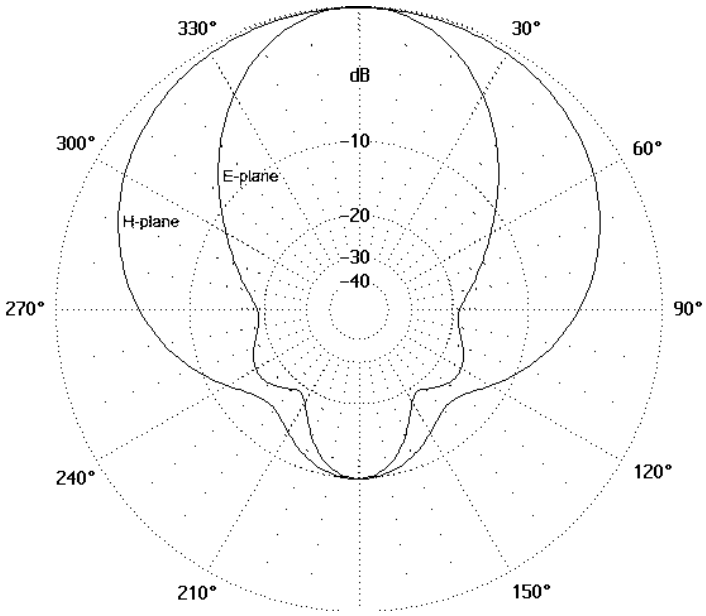
# DIRECTIONAL ANTENNA AV1524






| Type | AV1524 |
|---|---|
| Frequency | 350…470 MHz (AV1524-425)<br>290…440 MHz (AV1524-300) |
| Bandwidth | 120 MHz (AV1524-425)<br>150 MHz (AV1524-300) |
| 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 | 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 m² |
| Dimensions (H x W x D) (∅ x H) | 800 x 400 x 300 mm |
| Weight | 4,0 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glassfiber radome<br>Glass reinforced polycarbonate/PE |
| Options | Special frequency ranges available on request. |

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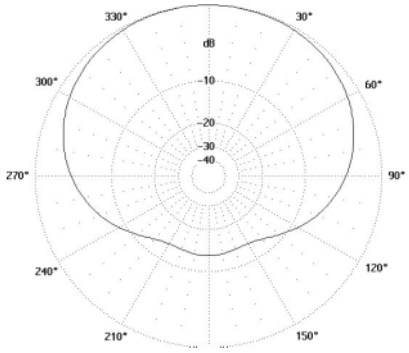
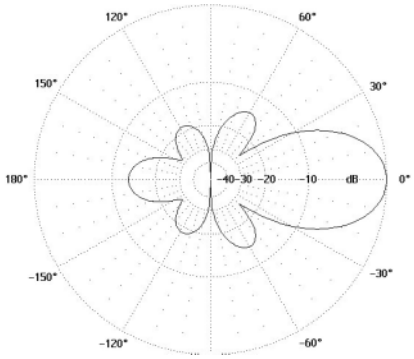
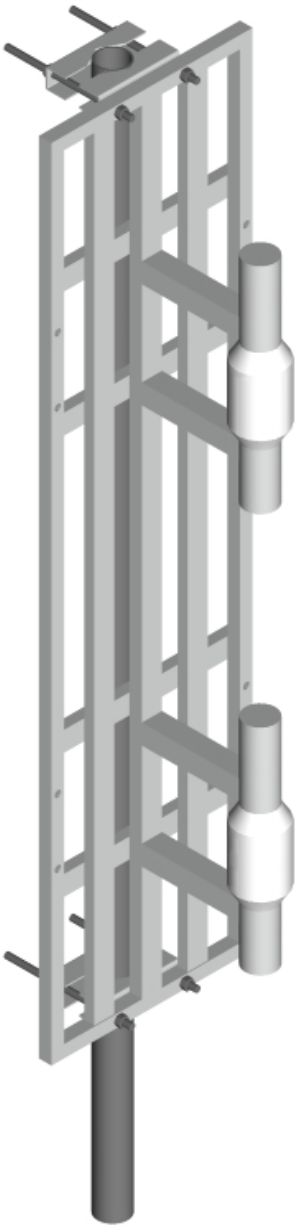
# DIRECTIONAL ANTENNA AV1524-2



| Type | AV1524-2 |
|---|---|
| Frequency | 350…470 MHz<br>290…440 MHz (AV1524-2-300) |
| Bandwidth | 120 MHz<br>150 MHz |
| Impedance | 50 Ω DC grounded |
| VSWR | 1,5 max |
| Polarisation | Horisontal 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 m² |
| Dimensions (H x W x D) (∅ x H) | 1600 x 400 x 300 mm |
| Weight | 8,0 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glassfiber radome<br>Glass reinforced polycarbonate/PE |
| Options | Special frequency ranges available on request |

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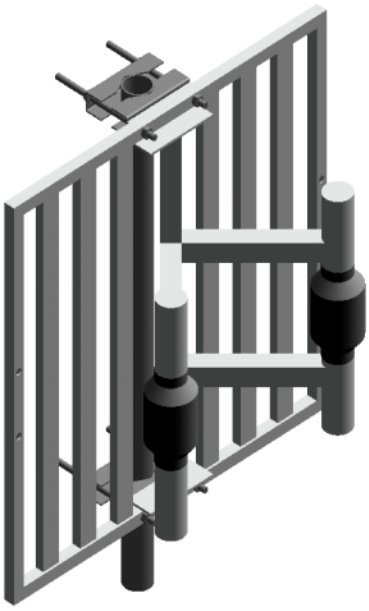
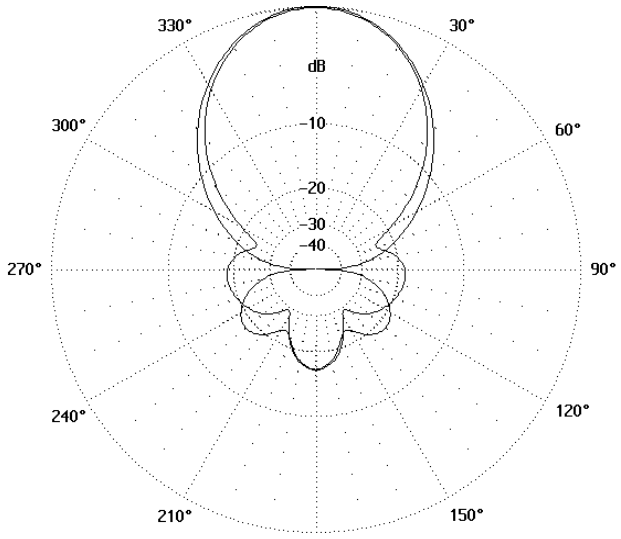
# DIRECTIONAL ANTENNA AV1525






| Type | AV1525 |
|---|---|
| Frequency | 330…470 MHz (AV1525)<br>225…400 MHz (AV1525-300) |
| Bandwidth | 140 MHz (AV1525)<br>175 MHz (AV1525-300) |
| Impedance | 50 Ω DC grounded |
| VSWR | 1,5 max |
| Polarisation | Horisontal 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 m² |
| Dimensions (H x W x D) (∅ x H) | 800 x 800 x 300 mm |
| Weight | 8,0 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glassfiber radome<br>Glass reinforced polycarbonate<br>PE |
| Options | - |

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# INDOOR PANEL ANTENNA AV1568

| Type | AV1568 |
|---|---|
| Frequencies | 380…430 MHz (AV1568-405)<br>400…500 MHz (AV1568-450) |
| Bandwidth | 50 MHz (AV1568-405)<br>100 MHz (AV1568-450) |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 200 x 100 mm |
| Weight | 0,5 kg |
| Mounting diameter | On wall/ceiling mounting |
| Materials | Aluminium<br>Glassfiber radome<br>Glass reinforced PE |
| Options | Colour<br>Different versions on 400…500 MHz frequency range. |

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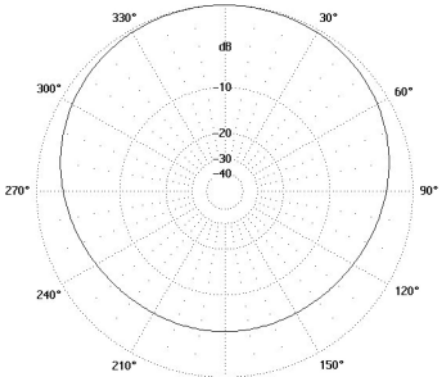
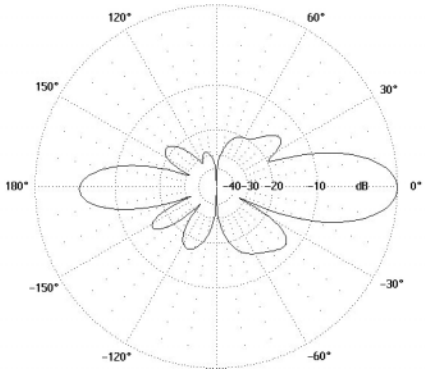
# HIGH GAIN ANTENNA AV1914




| Type | AV1914 |
|---|---|
| Frequency | 350…470 MHz (AV1914-H)<br>300…350 MHz (AV1914-A)<br>280…320 MHz (AV1914-300) |
| Bandwidth | 120 MHz (AV1914-H)<br>50 MHz (AV1914-A)<br>40 MHz (AV1914-300) |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 3000 x 200 x 60 mm |
| Weight | 8 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>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. |

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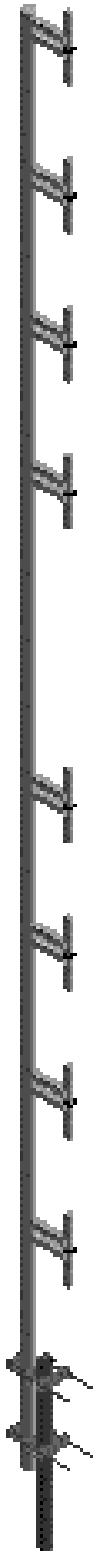
# HIGH GAIN ANTENNA 2 x AV1914



FOR RADIATION PATTERNS PLEASE SEE
SINGLE ANTENNA BROCHURES.

| Type | 2 x AV1914 |
|---|---|
| Frequency | 350…470 MHz (AV1914-H)<br>300…350 MHz (AV1914-A)<br>280…320 MHz (AV1914-300) |
| Bandwidth | 120 MHz (AV1914-H)<br>50 MHz (AV1914-A)<br>40 MHz (AV1914-300) |
| 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 | 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 m² |
| Dimensions (H x W x D) (∅ x H) | 7300 x 200 x 60 mm |
| Weight | 20 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glass reinforced polycarbonate/PE |
| Options | Different dipole variations. Foldable antennas for reduced transportation size. Special frequency ranges available on request. |

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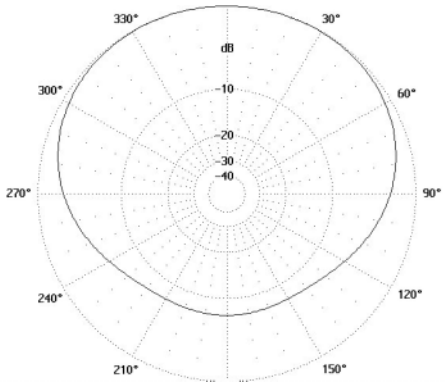
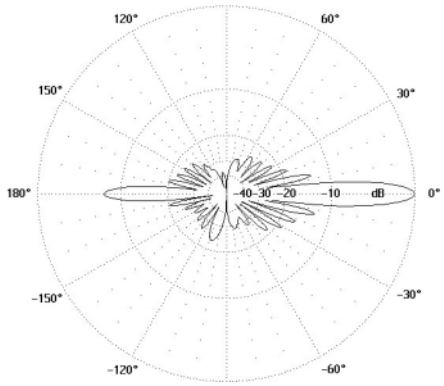
# HIGH GAIN ANTENNA AV1914-8




| Type | AV1914-8 |
|---|---|
| Frequencies | 370...435 MHz (AV1914-8-L)<br>410...470 MHz (AV1914-8-H) |
| Bandwidth | 65 MHz (AV1914-8-L)<br>60 MHz (AV1914-8-H) |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 6000 x 200 x 60 mm |
| Weight | 16 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glass reinforced polycarbonate/PE |
| Options | Special frequency ranges available on request. |

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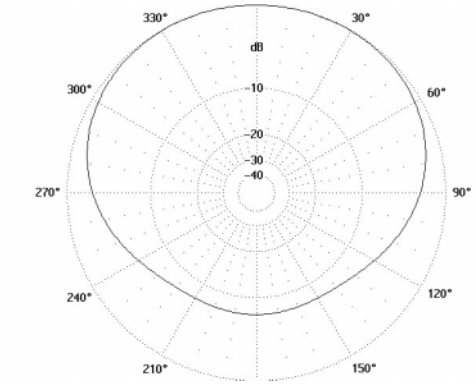
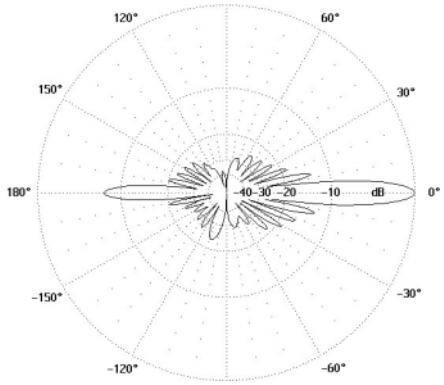
# HIGH GAIN ANTENNA AV1914-8-280




| Type | AV1914-8-280 |
|---|---|
| Frequency | 235…330 MHz |
| Bandwidth | 95 MHz |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 6500 x 200 x 60 mm |
| Weight | 18 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glass reinforced polycarbonate/PE |
| Options | Special frequency ranges available on request |

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# 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 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 7500 x 200 x 60 mm |
| Weight | 21 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glass reinforced polycarbonate/PE |
| Options | Different versions from all available AV1914-8 and AV1915 antennas available. Special frequency ranges available on request. |

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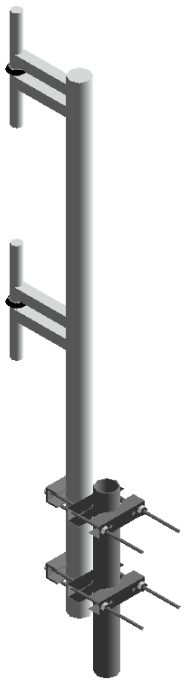
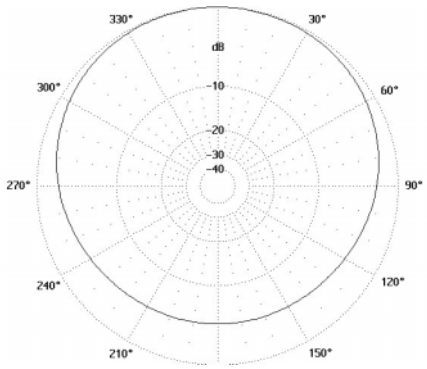
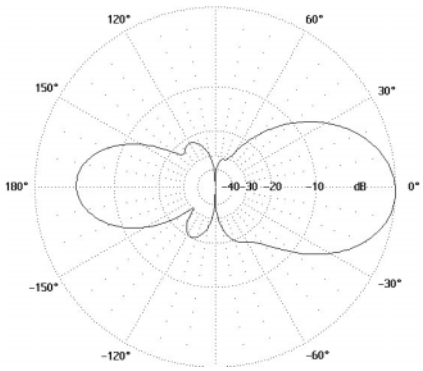
# MEDIUM GAIN ANTENNA AV1915






| Type | AV1915 |
|---|---|
| Frequency | 350…470 MHz (AV1915-H)<br>300…350 MHz (AV1915-A)<br>280…320 MHz (AV1915-300) |
| Bandwidth | 120 MHz (AV1915-H)<br>50 MHz (AV1915-A)<br>40 MHz (AV1915-300) |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 1450 x 200 x 60 mm |
| Weight | 5 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>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. |

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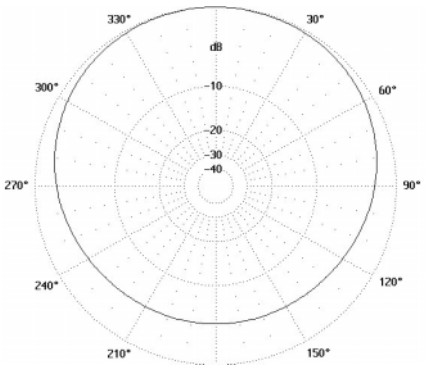
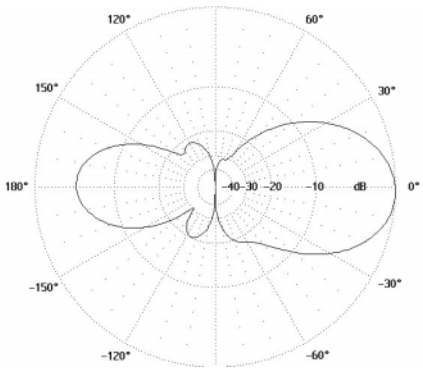
# MEDIUM GAIN ANTENNA 2 x AV1915




RADIATION PATTERN/UNIT

| Type | 2 x AV1915 |
|---|---|
| Frequency | 350...470 MHz (2 x AV1915-H)<br>300...350 MHz (2 x AV1915-A)<br>280...320 MHz (2 x AV1915-300) |
| Bandwidth | 120 MHz (2 x AV1915-H)<br>50 MHz (2 x AV1915-A)<br>40 MHz (2 x AV1915-300) |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 3000 x 200 x 60 mm |
| Weight | 10 kg |
| Mounting diameter | ∅ 30...115 mm pipe |
| Materials | Aluminium<br>Glass reinforced polycarbonate/PE |
| Options | Special frequency ranges available on request. |

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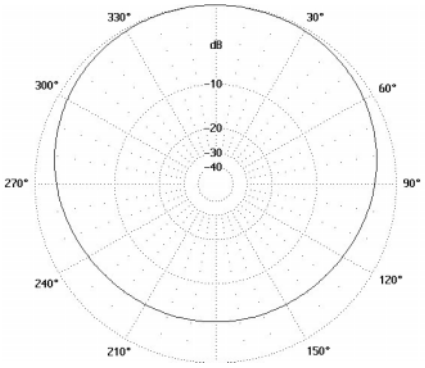
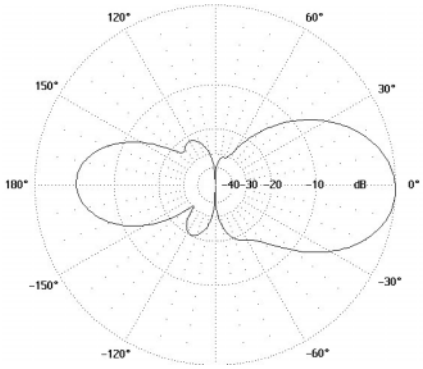
# MEDIUM GAIN ANTENNA 2 x 2 x AV1915




RADIATION PATTERN/UNIT

| Type | 2 x 2 x AV1915 |
|---|---|
| Frequency | 350…470 MHz (2 x 2 x AV1915-H)<br>300…350 MHz (2 x 2 x AV1915-A)<br>280…320 MHz (2 x 2 x AV1915-300) |
| Bandwidth | 120 MHz (2 x 2 x AV1915-H)<br>50 MHz (2 x 2 x AV1915-A)<br>40 MHz (2 x 2 x AV1915-300) |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 8700 x 200 x 60 mm |
| Weight | 25 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glass reinforced polycarbonate/PE |
| Options | Special frequency ranges available on request.<br>Length when folded for transportation 5100 mm.<br>The antenna is equipped with 3 quy wires between the 4th and 5th elements. |

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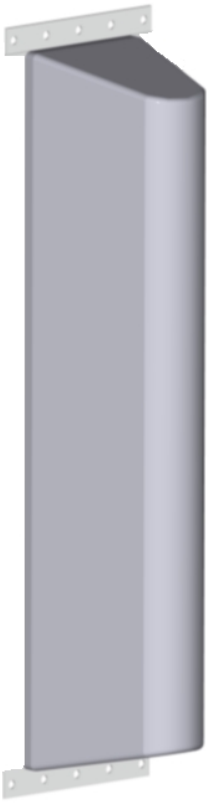
# DIRECTIONAL ANTENNA AV4126



| Type | AV4126 |
|---|---|
| Frequencies | 380...430 MHz (AV4126-405)<br>410...470 MHz (AV4126-440) |
| Bandwidth | 50 MHz (AV4126-405)<br>60 MHz (AV4126-440) |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 1100 x 225 x 250 mm |
| Weight | 7 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glassfiber radome<br>Glass reinforced polycarbonate/PE |
| Options | - |

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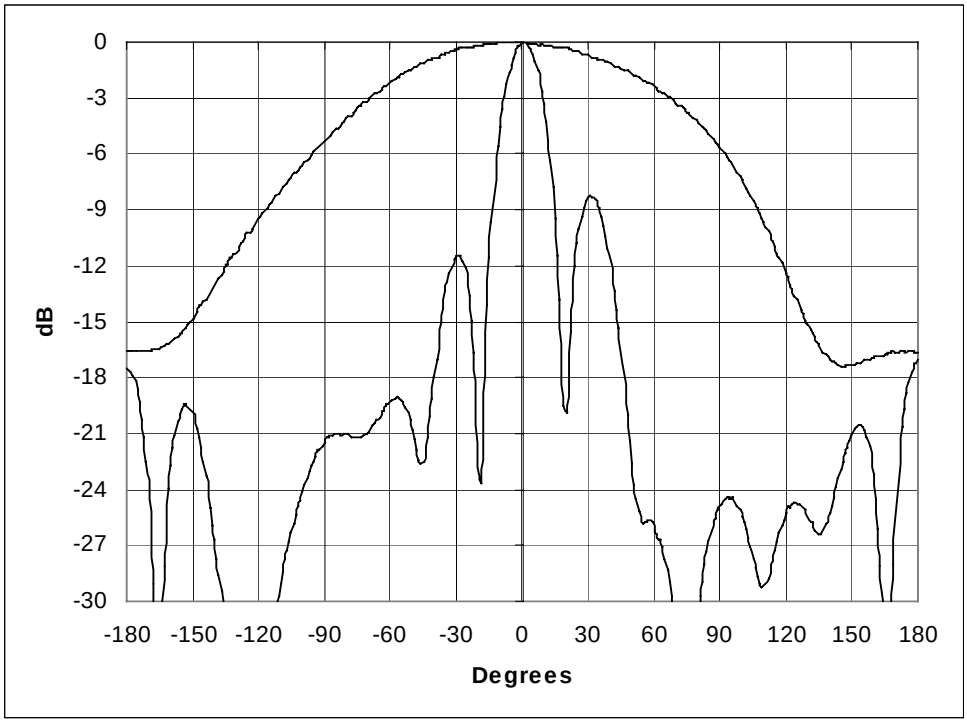
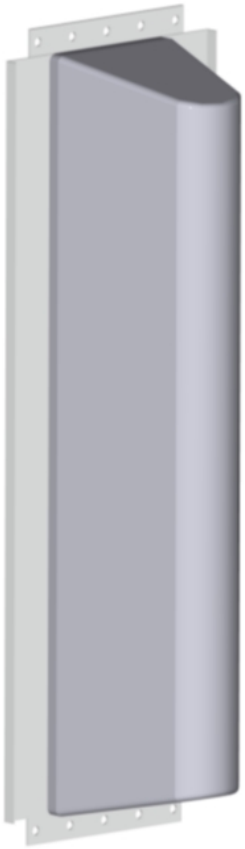
# DIRECTIONAL ANTENNA AV4127



| Type | AV4127 |
|---|---|
| Frequency | 410…470 MHz |
| Bandwidth | 60 MHz |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 2100 x 380 x 250 mm |
| Weight | 7,0 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glassfiber radome<br>Glass reinforced polycarbonate/PE |
| Options | - |

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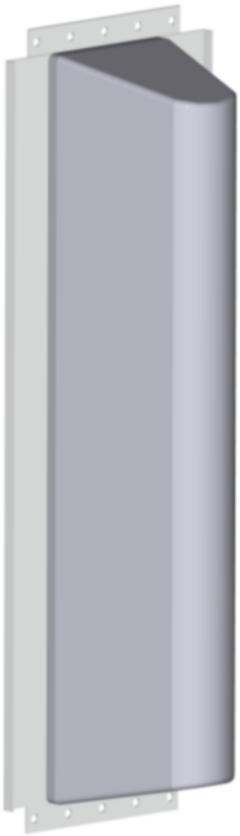
# DIRECTIONAL ANTENNA AV4128



| Type | AV4128 |
|---|---|
| Frequency | 410…470 MHz |
| Bandwidth | 60 MHz |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 1100 x 380 x250 mm |
| Weight | 7 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glassfiber radome<br>Glass reinforced polycarbonate/PE |
| Options | - |

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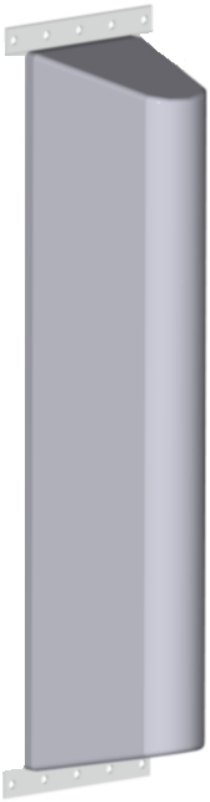
# DIRECTIONAL ANTENNA AV4129



| Type | AV4129 |
|---|---|
| Frequencies | 380...430 MHz (AV4129-405)<br>410...470 MHz (AV4129-440) |
| Bandwidth | 50 MHz (AV4129-405)<br>60 MHz (AV4129-440) |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 2100 x 225 x250 mm |
| Weight | 14 kg |
| Mounting diameter | ∅ 30…115 mm pipe |
| Materials | Aluminium<br>Glassfiber radome<br>Glass reinforced polycarbonate/PE |
| Options | - |

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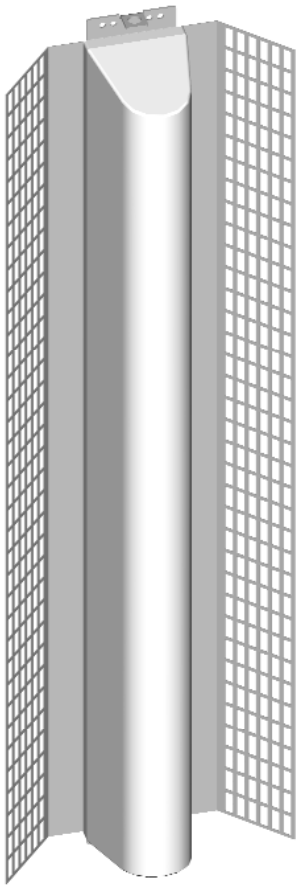
# AV4064 BASESTATION ANTENNA



The AV4064 is a high gain 450 MHz basestation antenna with 65º horisontal 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 it's 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 | 15º |
| 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 m² |
| Dimensions (HxWxD) | 2100x600x250 mm |
| Weight | 20 kg |
| Mounting diameter | Ø 30...115 mm |
| Materials | Aluminium<br>ABS radome<br>Glass reinforced PE |
| Options | - |

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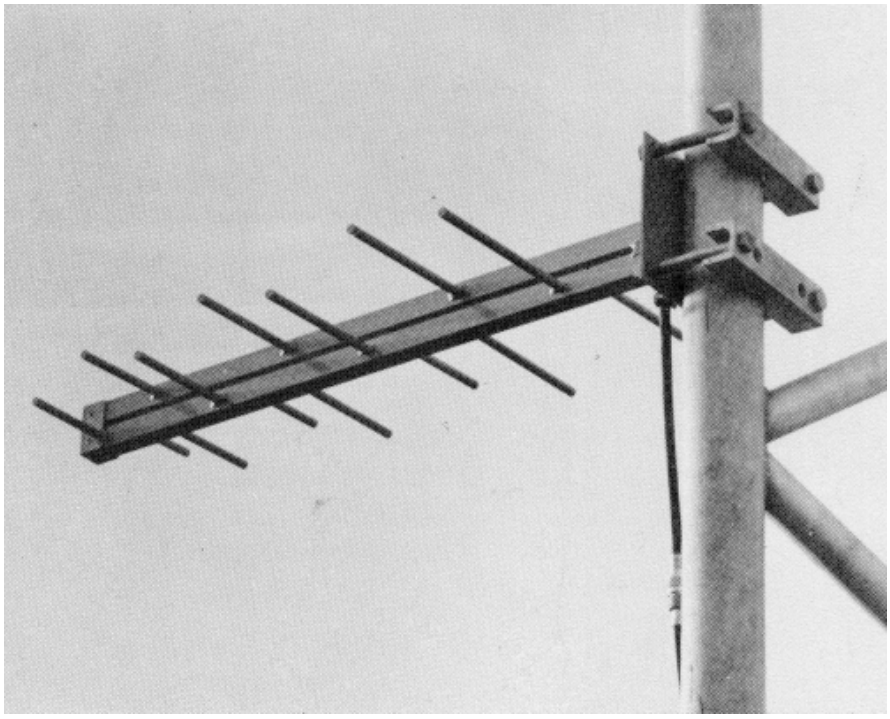
# LOG-PERIODIC DIPOLE ANTENNA LPD150-500



| Type | LPD150-500 |
|---|---|
| Frequency | 150...500 MHz |
| Bandwidth | 350 MHz |
| Impedance | 50 Ω DC grounded |
| VSWR | 1,5 max |
| Polarisation | Horisontal 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 m² |
| Dimensions (HxWxD) | 1000x1000x60 mm |
| Weight | 5 kg |
| Mounting diameter | ∅ 30...115 mm pipe |
| Materials | Aluminium<br>Glassfiber<br>Glass reinforced polycarbonate/PE |
| Options | Radome |

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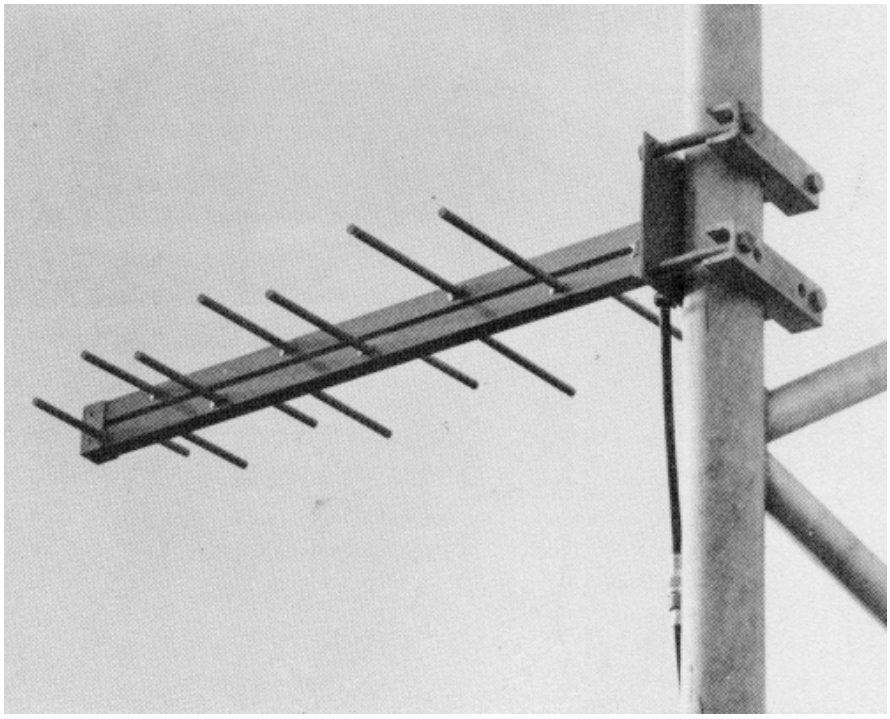
# LOG-PERIODIC DIPOLE ANTENNA LPD290-340



| Type | LPD290-340 |
|---|---|
| Frequency | 290...340 MHz |
| Bandwidth | 50 MHz |
| 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 | 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 m² |
| Dimensions (H x W x D) (∅ x H) | 1000 x 550 x 60 mm |
| Weight | 3 kg |
| Mounting diameter | ∅ 30...115 mm pipe |
| Materials | Aluminium<br>Glassfiber<br>Glass reinforced polycarbonate/PE |
| Options | Radome |

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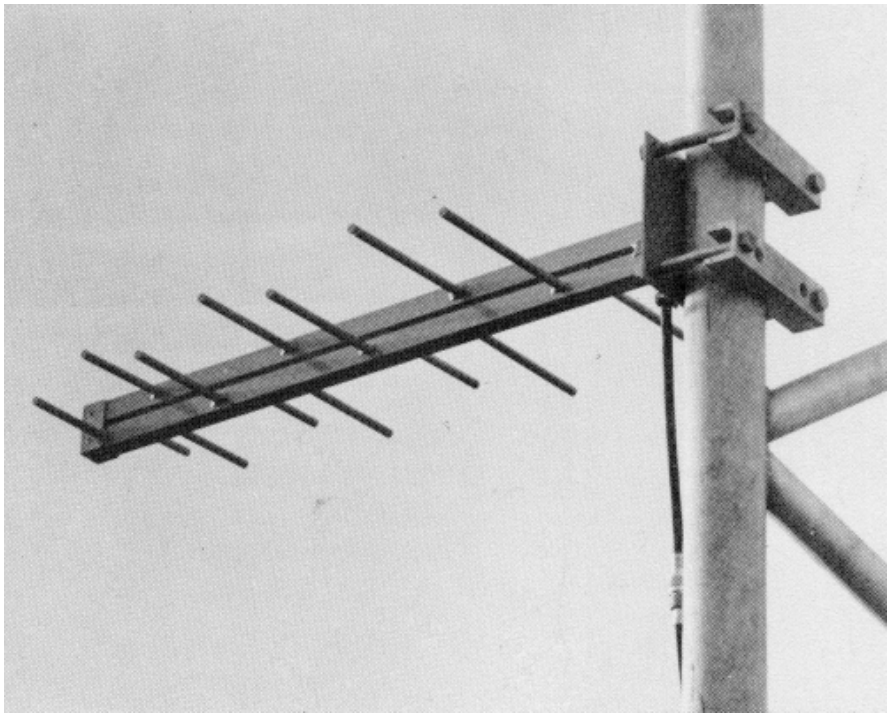
# LOG-PERIODIC DIPOLE ANTENNA LPD450-470



| Type | LPD450-470 |
|---|---|
| Frequency | 450...470 MHz |
| Bandwidth | 20 MHz |
| Impedance | 50 Ω 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 m² |
| Dimensions (H x W x D) (∅ x H) | 800 x 380 x 60 mm |
| Weight | 3 kg |
| Mounting diameter | ∅ 30...115 mm pipe |
| Materials | Aluminium<br>Glassfiber<br>Glass reinforced polycarbonate/PE |
| Options | Radome<br>Different gain and frequency variations |

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