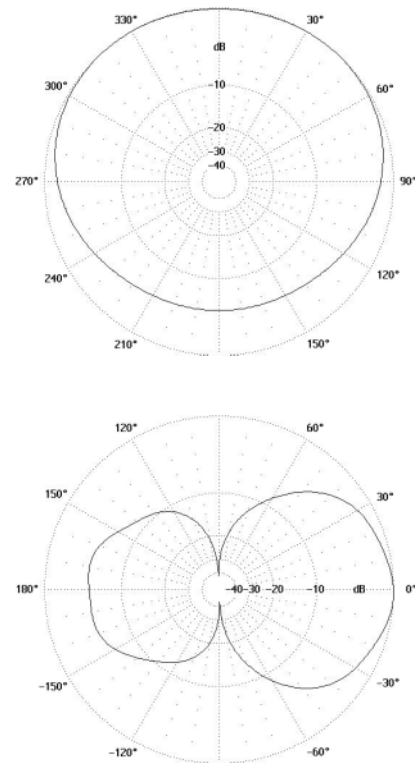
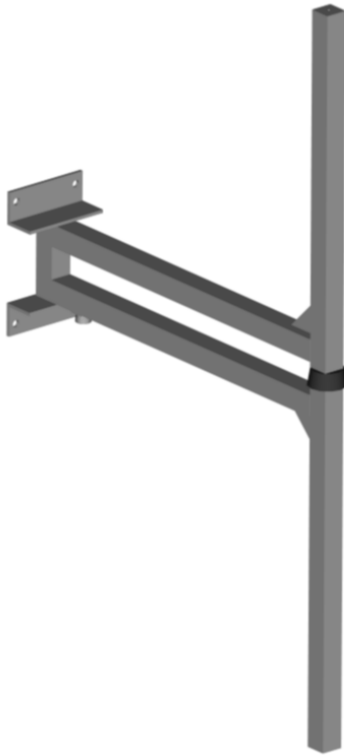
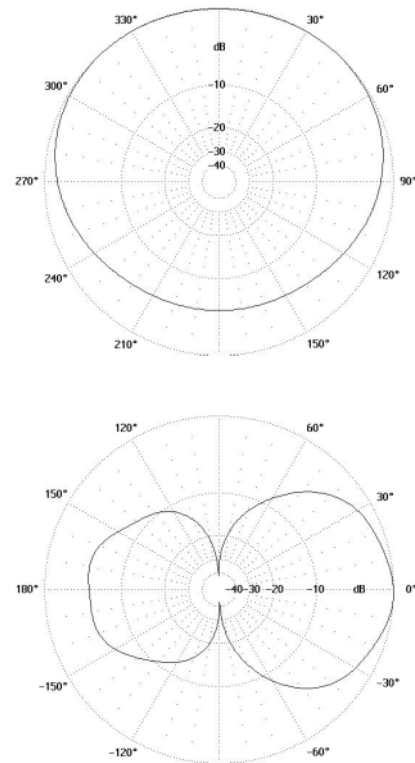
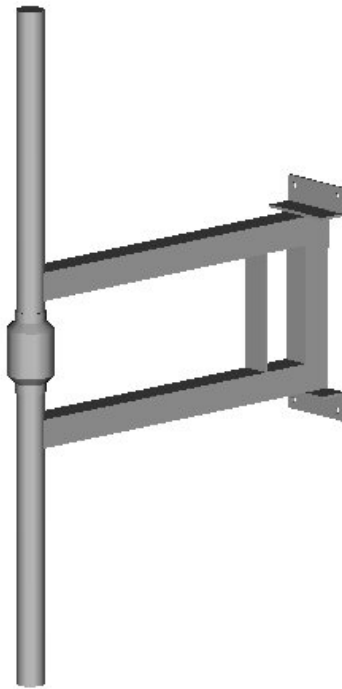


## LOW GAIN FM ANTENNA AV1311-95



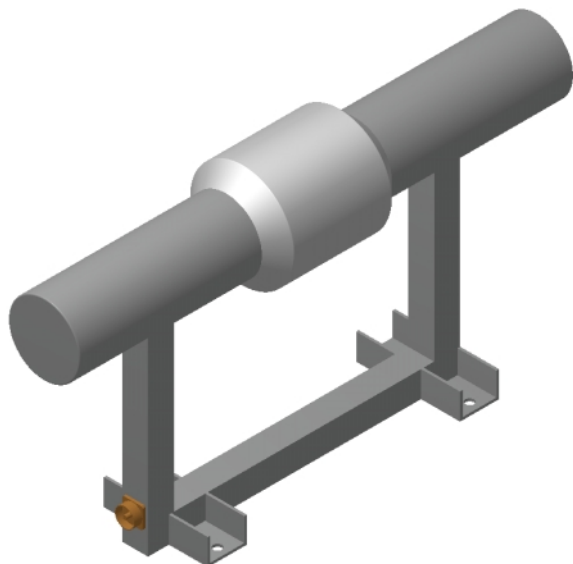
| Type                           | AV1311-95                        |
|--------------------------------|----------------------------------|
| Frequency                      | 88...108 MHz                     |
| Bandwidth                      | 20 MHz                           |
| Impedance                      | 50 $\Omega$ 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                      | 0,1 m <sup>2</sup>               |
| Dimensions (H x W x D) (Ø x H) | 1345 x 760 x 160 mm              |
| Weight                         | 6 kg                             |
| Mounting diameter              | Ø 30...115 mm pipe               |
| Materials                      | Aluminium<br>Glass reinforced PE |
| Options                        | Hot dip galvanised version.      |

## LOW GAIN FM ANTENNA AV1311-95-2kW



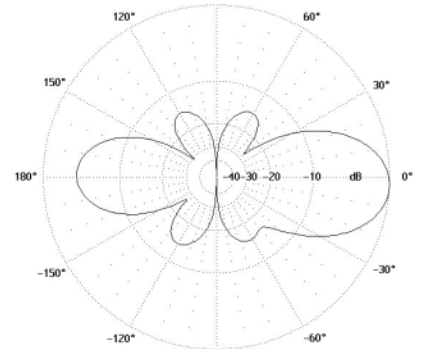
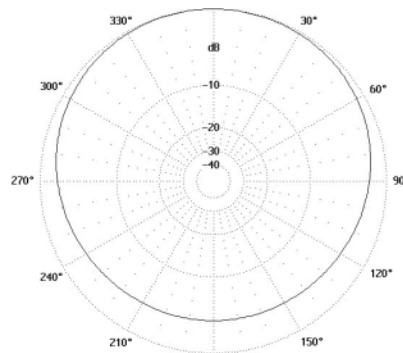
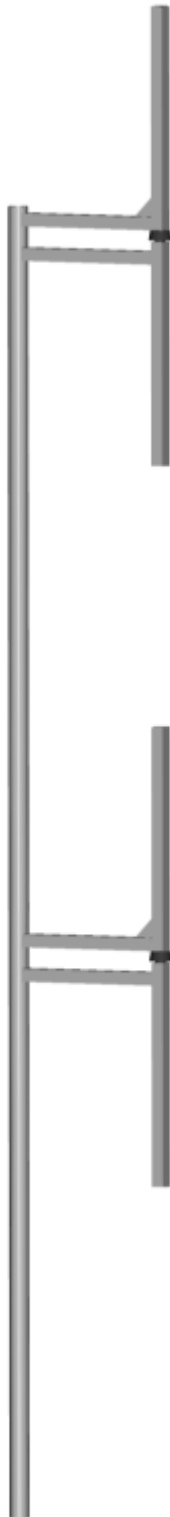
| Type                           | AV1311-95-2kW                                         |
|--------------------------------|-------------------------------------------------------|
| Frequency                      | 88...108 MHz                                          |
| Bandwidth                      | 20 MHz                                                |
| Impedance                      | 50 $\Omega$ DC grounded                               |
| VSWR                           | 1,3 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          | 2 kW or 6 kW                                          |
| RF-connector                   | 7/16 female or 7/8" EIA                               |
| 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) | 1410 x 850 x 160 mm                                   |
| Weight                         | 8 kg                                                  |
| Mounting diameter              | Ø 30...115 mm pipe                                    |
| Materials                      | Aluminium<br>Glass reinforced PE<br>Glassfiber radome |
| Options                        | Hot dip galvanised version.                           |

## FULL WAVE DIPOLE AV1317



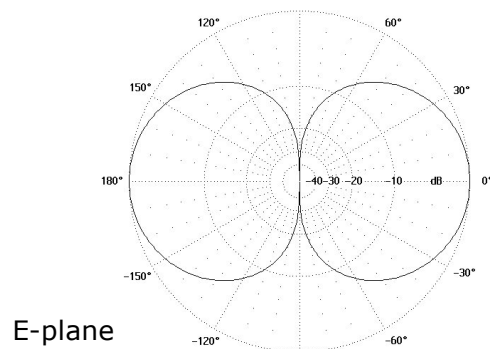
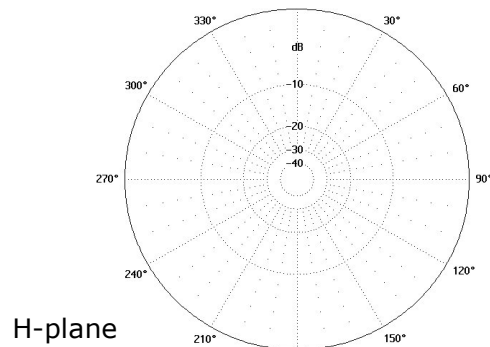
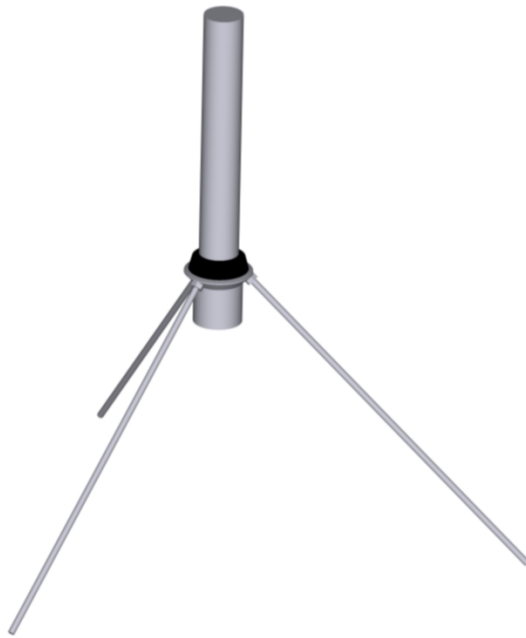
| Type                           | AV1317                                                |
|--------------------------------|-------------------------------------------------------|
| Frequency                      | 174...240 MHz                                         |
| Bandwidth                      | 66 MHz                                                |
| Impedance                      | 50 $\Omega$ DC grounded                               |
| VSWR                           | 1,3 max                                               |
| Polarisation                   | Vertical                                              |
| Gain                           | 3,5 dBi                                               |
| E-plane 3 dB beamwidth         | 45°                                                   |
| H-plane 3 dB beamwidth         | 200°/depending on mounting                            |
| Electrical downtilt            | None                                                  |
| Front to back ratio            | 3 dB/depending on mounting                            |
| Max. Continuous power          | 2 kW                                                  |
| RF-connector                   | 7/16 female                                           |
| Operational windspeed          | 40 m/s (default)                                      |
| Survival windspeed             | 55 m/s (default)                                      |
| Wind area                      | 0,2 m <sup>2</sup>                                    |
| Dimensions (H x W x D) (Ø x H) | 1000 x 450 x 160 mm                                   |
| Weight                         | 8 kg                                                  |
| Mounting diameter              | Ø 30...115 mm pipe                                    |
| Materials                      | Aluminium<br>Glassfiber radome<br>Glass reinforced PE |
| Options                        | Connector type                                        |

## MEDIUM GAIN FM ANTENNA AV1440-95



| Type                   | AV1440-95                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency              | 3 kW:<br>88...108 MHz (Av1440-95-3kW)<br>2 kW:<br>88...108 MHz (Av1440-95-2kW)<br>1 kW:<br>88...108 MHz (Av1440-95-1kW)<br>0,5 kW:<br>88...108 MHz (Av1440-95) |
| Bandwidth              | 3 kW:<br>20 MHz (Av1440-95-3kW)<br>2 kW:<br>20 MHz (Av1440-95-2kW)<br>1 kW:<br>20 MHz (Av1440-95-1kW)<br>0,5 kW:<br>20 MHz (Av1440-95)                         |
| Impedance              | 50 $\Omega$ DC grounded                                                                                                                                        |
| VSWR                   | 1,4 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 or 3 kW                                                                                                                                                    |
| RF-connector           | N ,7/16 female or 7/8" EIA                                                                                                                                     |
| Operational windspeed  | 40 m/s (default)                                                                                                                                               |
| Survival windspeed     | 55 m/s (default)                                                                                                                                               |
| Wind area              | 0,4 m <sup>2</sup>                                                                                                                                             |
| Dimensions (H x W x D) | 4600 x 570 x 60 mm                                                                                                                                             |
| Weight                 | 14 kg                                                                                                                                                          |
| Mounting diameter      | Ø 30...115 mm pipe                                                                                                                                             |
| Materials              | Aluminium<br>Glass reinforced PE                                                                                                                               |
| Options                | Hot dip galvanised steel version.<br>Low SWR version.<br>High power version.                                                                                   |

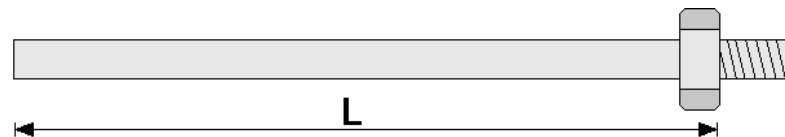
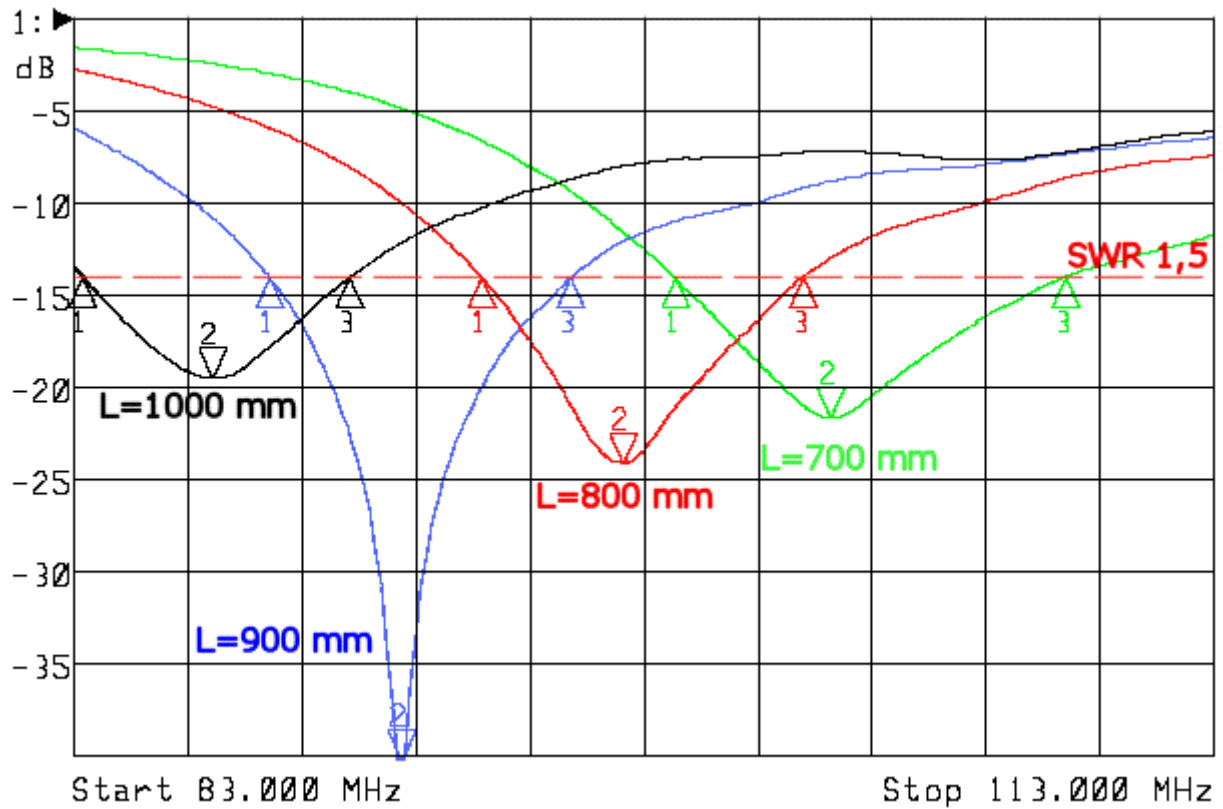
## GROUND PLANE ANTENNA AV1460-95



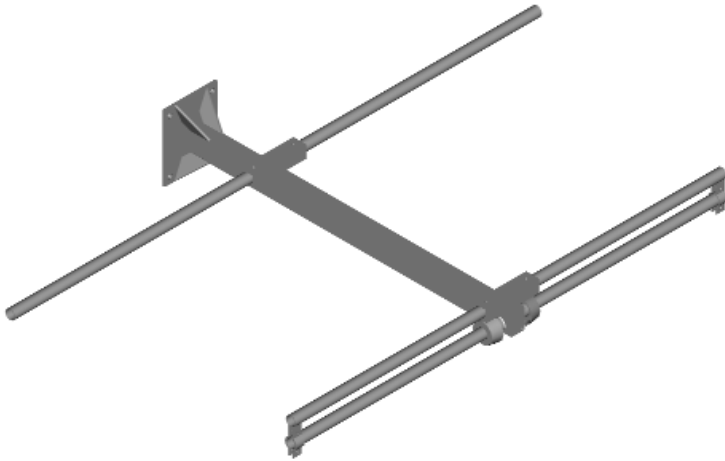
The antenna is attached with two M10x20 bolts (material A2). The ground plane elements can be detached for easy transportation.

| Type                                        | AV1460-95                        |
|---------------------------------------------|----------------------------------|
| Frequency                                   | 88...108 MHz                     |
| Bandwidth                                   | 5%                               |
| Impedance                                   | 50 $\Omega$ 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 <sup>2</sup>               |
| Dimensions (H x W x D) ( $\varnothing$ x H) | 1100 x 1100 x 1100 mm            |
| Weight                                      | 3 kg                             |
| Mounting diameter                           | $\varnothing$ 40...60 mm pipe    |
| Materials                                   | Aluminium<br>Glass reinforced PE |
| Options                                     | -                                |

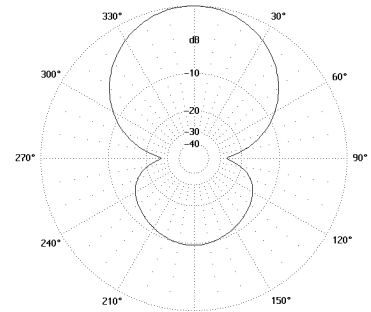
# AV1460-95-98FN2 ground plane element tuning



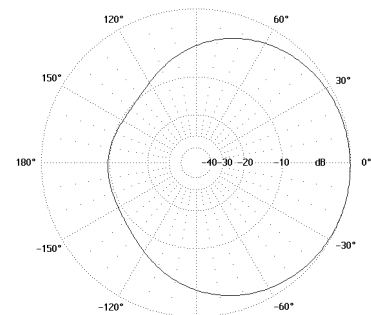
## 2-ELEMENT FM YAGI ANTENNA AV1486-A4



All elements are detachable  
for easy transportation!



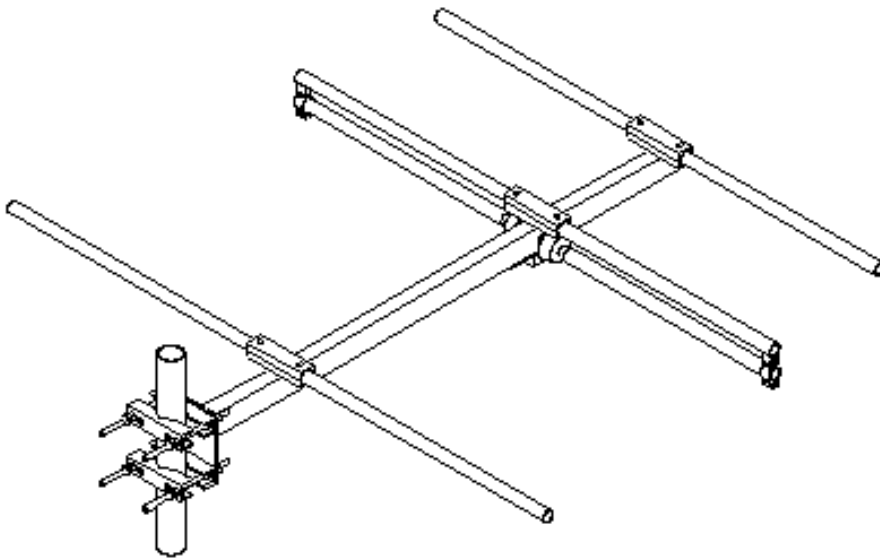
E-PLANE



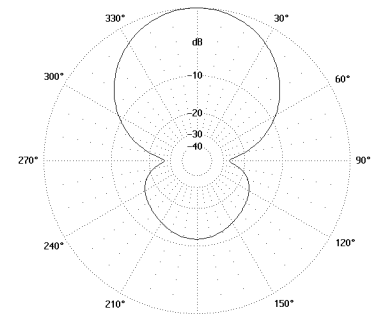
H-PLANE

| Type                   | AV1486-A4                                      |
|------------------------|------------------------------------------------|
| Frequency              | 88...108 MHz                                   |
| Bandwidth              | 20 MHz                                         |
| Impedance              | 50 $\Omega$ DC grounded                        |
| VSWR                   | 1,5 max                                        |
| Polarisation           | Horizontal or vertical                         |
| Gain                   | 6 dBi                                          |
| E-plane 3 dB beamwidth | 70°                                            |
| H-plane 3 dB beamwidth | 150°                                           |
| 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              | 0,2 m <sup>2</sup>                             |
| Dimensions (H x W x D) | 200 x 1700 x 900 mm                            |
| Weight                 | 12 kg                                          |
| Mounting diameter      | Ø 60...115 mm pipe                             |
| Materials              | Stainless steel A4<br>Glass reinforced PE      |
| Options                | Also available as lighter<br>Aluminium version |

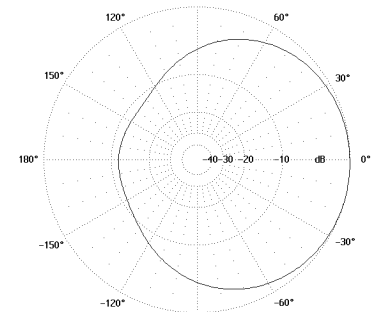
### 3-ELEMENT FM YAGI ANTENNA AV1487-A4



All elements are detachable  
for easy transportation!



E-PLANE

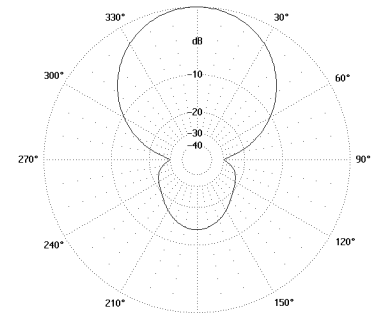
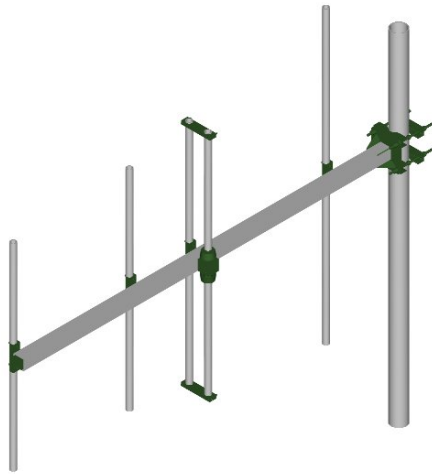


H-PLANE

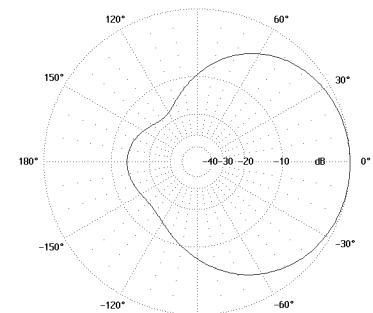
| Type                   | AV1487-A4                                      |
|------------------------|------------------------------------------------|
| Frequency              | 88 ...108 MHz                                  |
| Bandwidth              | 20 MHz                                         |
| Impedance              | 50 $\Omega$ DC grounded                        |
| VSWR                   | 1,5 max                                        |
| Polarisation           | Horizontal or vertical                         |
| Gain                   | 7 dBi                                          |
| E-plane 3 dB beamwidth | 65°                                            |
| H-plane 3 dB beamwidth | 140°                                           |
| 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              | 0,25 m <sup>2</sup>                            |
| Dimensions (H x W x D) | 200 x 1700 x 1600 mm                           |
| Weight                 | 19 kg                                          |
| Mounting diameter      | Ø 60...115 mm pipe                             |
| Materials              | Stainless steel A4<br>Glass reinforced PE      |
| Options                | Also available as lighter<br>Aluminium version |



## 4-ELEMENT FM YAGI ANTENNA AV1488-A4



E-PLANE

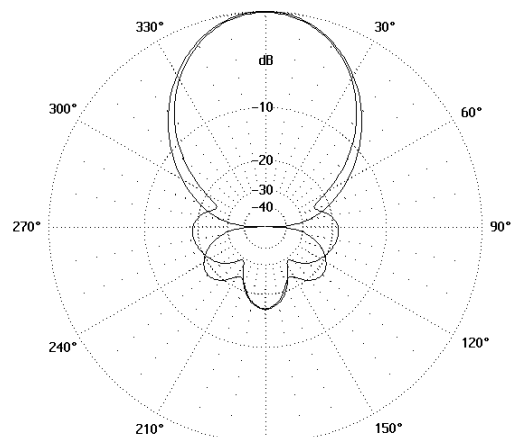


H-PLANE

All elements are detachable  
for easy transportation!

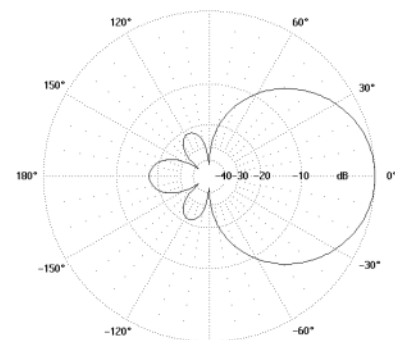
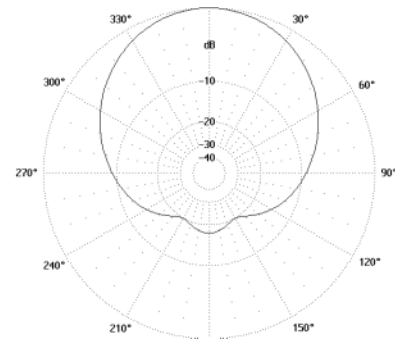
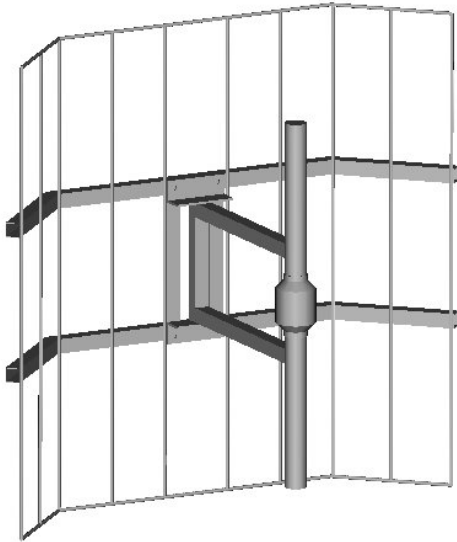
| Type                   | AV1488-A4                                       |
|------------------------|-------------------------------------------------|
| Frequency              | 88 ...108 MHz                                   |
| Bandwidth              | 20 MHz                                          |
| 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 | 110°                                            |
| Electrical downtilt    | None                                            |
| Front to back ratio    | 14 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              | 0,3 m <sup>2</sup>                              |
| Dimensions (H x W x D) | 200 x 1700 x 2130 mm                            |
| Weight                 | 27 kg                                           |
| Mounting diameter      | Ø 60...115 mm pipe                              |
| Materials              | A4 Steel<br>Glass reinforced PE                 |
| Options                | Also available as lighter<br>aluminium version. |

## DIRECTIONAL ANTENNA AV1527



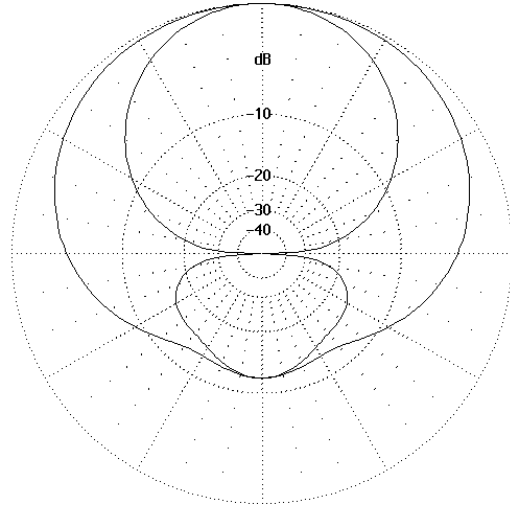
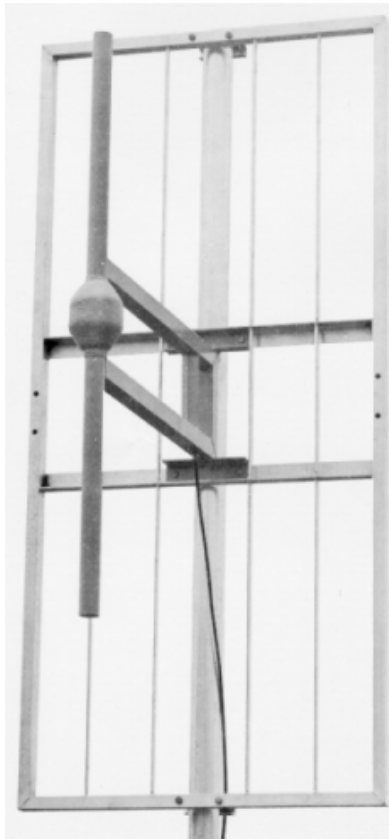
| Type                   | AV1527                                                               |
|------------------------|----------------------------------------------------------------------|
| Frequency              | 175...230 MHz                                                        |
| Bandwidth              | 55 MHz                                                               |
| Impedance              | 50 $\Omega$ DC grounded                                              |
| VSWR                   | 1,2 max                                                              |
| Polarisation           | Horizontal or vertical                                               |
| Gain                   | 10 dBi                                                               |
| E-plane 3 dB beamwidth | 55°                                                                  |
| H-plane 3 dB beamwidth | 55°                                                                  |
| Electrical downtilt    | None                                                                 |
| Front to back ratio    | 16 dB                                                                |
| Max. Continuous power  | 1 kW                                                                 |
| RF-connector           | 7/16 female or 7/8" EIA                                              |
| Operational windspeed  | 40 m/s (default)                                                     |
| Survival windspeed     | 55 m/s (default)                                                     |
| Wind area              | 0,3 m <sup>2</sup>                                                   |
| Dimensions (H x W x D) | 1300 x 1300 x 500 mm                                                 |
| Weight                 | 57 kg                                                                |
| Mounting diameter      | Ø 30...115 mm pipe                                                   |
| Materials              | Hot dip galvanised steel<br>Glassfiber radome<br>Glass reinforced PE |
| Options                | Aluminium version<br>Different power ratings                         |

## DIRECTIONAL FM ANTENNA AV1528-4-95



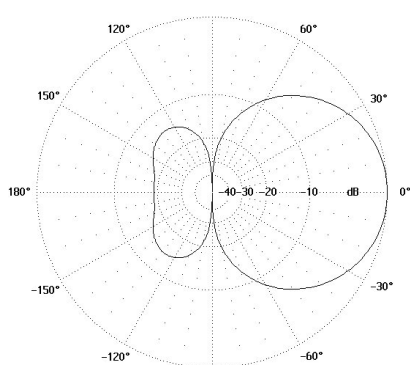
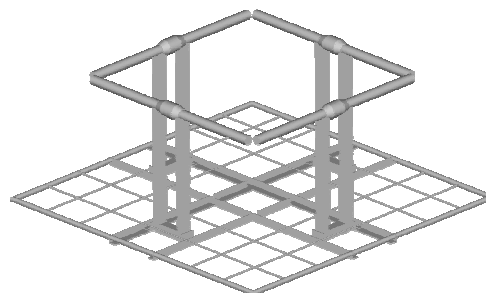
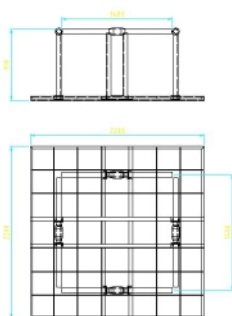
| Type                   | AV1528-4-95                                           |
|------------------------|-------------------------------------------------------|
| Frequency              | 88..108 MHz                                           |
| Bandwidth              | 20 MHz                                                |
| Impedance              | 50 $\Omega$ 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 or 2 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 <sup>2</sup>                                    |
| Dimensions (H x W x D) | 1900 x 2000 x 940 mm                                  |
| Weight                 | 35 kg                                                 |
| Mounting diameter      | Ø 30...115 mm pipe                                    |
| Materials              | Aluminium<br>Glassfiber radome<br>Glass reinforced PE |
| Options                | -                                                     |

## DIRECTIONAL FM ANTENNA AV1528-95

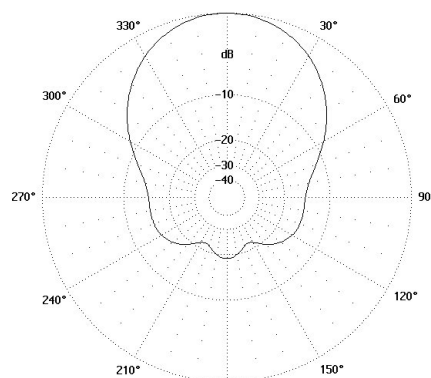


| Type                   | AV1528-95                                             |
|------------------------|-------------------------------------------------------|
| Frequency              | 88..108 MHz                                           |
| Bandwidth              | 20 MHz                                                |
| Impedance              | 50 $\Omega$ 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 or 2 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 <sup>2</sup>                                    |
| Dimensions (H x W x D) | 1900 x 1200 x 940 mm                                  |
| Weight                 | 20 kg                                                 |
| Mounting diameter      | Ø 30...115 mm pipe                                    |
| Materials              | Aluminium<br>Glassfiber radome<br>Glass reinforced PE |
| Options                | -                                                     |

## DUAL POLARISED TRANSMITTER ANTENNA AV1540-95-St



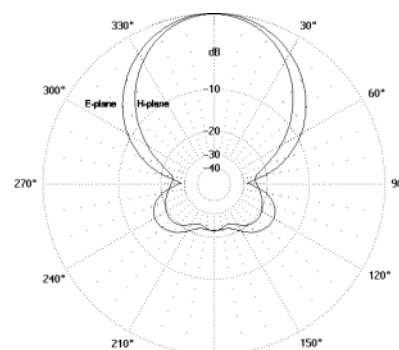
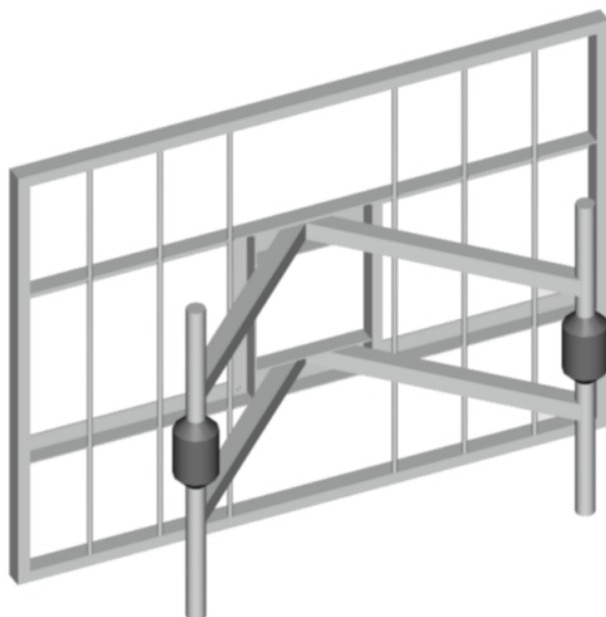
Vertical pattern of horizontal antenna.  
Horizontal pattern of vertical antenna.



Vertical pattern of vertical antenna.  
Horizontal pattern of horizontal antenna.

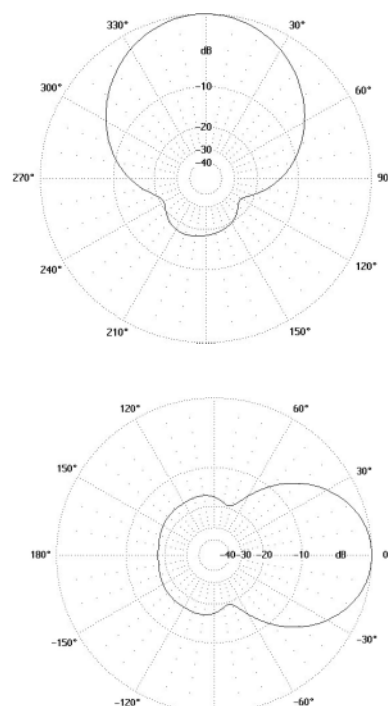
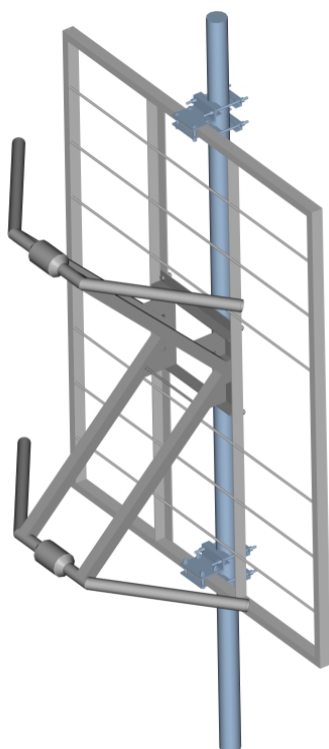
| Type                                        | AV1540-95-St                                                         |
|---------------------------------------------|----------------------------------------------------------------------|
| Frequency                                   | 88...108 MHz                                                         |
| Bandwidth                                   | 20 MHz                                                               |
| Impedance                                   | 50 $\Omega$ DC grounded                                              |
| VSWR                                        | 1,3 max.                                                             |
| Polarisation                                | Horizontal and Vertical                                              |
| Isolation                                   | 30 dB                                                                |
| Gain                                        | 8 dBi                                                                |
| E-plane 3 dB beamwidth                      | 65°                                                                  |
| H-plane 3 dB beamwidth                      | 65°                                                                  |
| Electrical downtilt                         | None                                                                 |
| Front to back ratio                         | 20 dB                                                                |
| Max. Continuous power                       | 0,5 kW or 2 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) | 2200 x 2200 x 910 mm                                                 |
| Weight                                      | 90 kg                                                                |
| Mounting diameter                           | $\varnothing$ 30...115 mm pipe                                       |
| Materials                                   | hot dip galvanised steel<br>Glassfiber radome<br>Glass reinforced PE |
| Options                                     | Aluminium version.                                                   |

## FM TRANSMITTER ANTENNA AV1541



| Type                                        | AV1541                                                               |
|---------------------------------------------|----------------------------------------------------------------------|
| Frequency                                   | 88...108 MHz                                                         |
| Bandwidth                                   | 20 MHz                                                               |
| Impedance                                   | 50 $\Omega$ DC grounded                                              |
| VSWR                                        | 1,3 max                                                              |
| Polarisation                                | Horizontal or vertical                                               |
| Gain                                        | 9 dBi                                                                |
| E-plane 3 dB beamwidth                      | 70°                                                                  |
| H-plane 3 dB beamwidth                      | 60°                                                                  |
| Electrical downtilt                         | None                                                                 |
| Front to back ratio                         | 20 dB                                                                |
| Max. Continuous power                       | 2kW                                                                  |
| RF-connector                                | 7/16 female or 7/8" EIA                                              |
| 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) | 1900 x 2500 x 950 mm                                                 |
| Weight                                      | 110 kg                                                               |
| Mounting diameter                           | $\varnothing$ 60...115 mm pipe                                       |
| Materials                                   | Hot dip galvanised steel<br>Glassfiber radome<br>Glass reinforced PE |
| Options                                     | Available as stacked arrays. Also available as lighter Al-version.   |

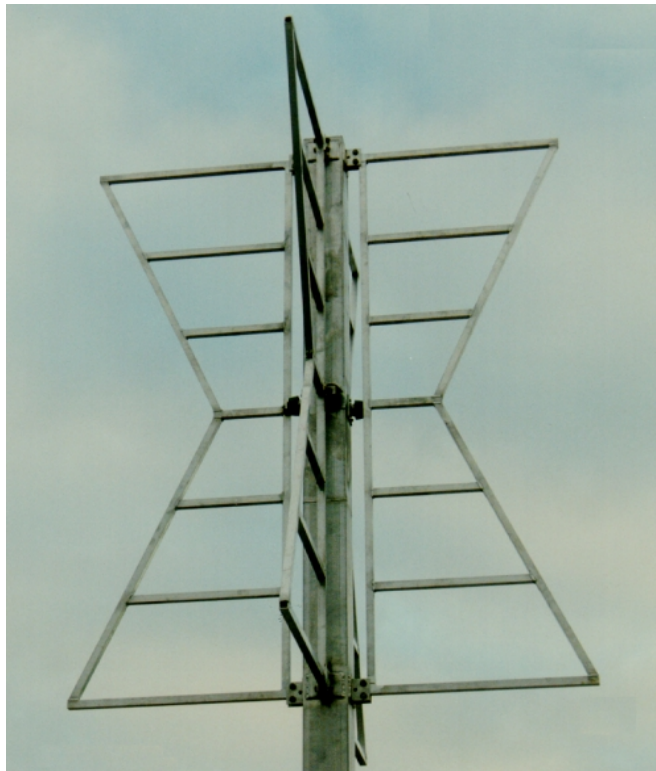
## FM TRANSMITTER ANTENNA AV1542



| Type                           | AV1542                                                               |
|--------------------------------|----------------------------------------------------------------------|
| Frequency                      | 88...108 MHz                                                         |
| Bandwidth                      | 20 MHz                                                               |
| Impedance                      | 50 $\Omega$ DC grounded                                              |
| VSWR                           | 1,3 max                                                              |
| Polarisation                   | Horisontal or vertical                                               |
| Gain                           | 8...9 dBi                                                            |
| E-plane 3 dB beamwidth         | 70°                                                                  |
| H-plane 3 dB beamwidth         | 60°                                                                  |
| Electrical downtilt            | None                                                                 |
| Front to back ratio            | 20 dB                                                                |
| Max. Continuous power          | 2 kW or 6 kW                                                         |
| RF-connector                   | 7/16 female or 7/8" EIA                                              |
| 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) | 1900 x 2500 x 950 mm                                                 |
| Weight                         | 110 kg                                                               |
| Mounting diameter              | Ø 30...115 mm pipe                                                   |
| Materials                      | Hot dip galvanised steel<br>Glassfiber radome<br>Glass reinforced PE |
| Options                        | Available as stacked arrays<br>Also available lighter Al-version     |



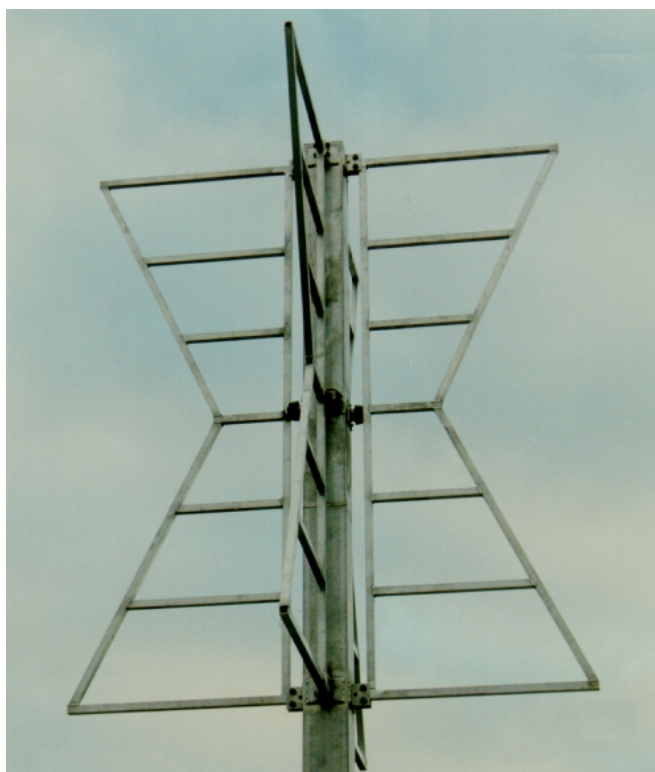
## FM TRANSMITTER ANTENNA AV1550



| Type                   | AV1550                                                |
|------------------------|-------------------------------------------------------|
| Frequency              | 88...108 MHz                                          |
| Bandwidth              | 20 MHz                                                |
| Impedance              | 50 $\Omega$ DC grounded                               |
| VSWR                   | 1,3 max                                               |
| Polarisation           | Horisontal                                            |
| Gain                   | 2 dBi                                                 |
| E-plane 3 dB beamwidth | 360°                                                  |
| H-plane 3 dB beamwidth | 50°                                                   |
| Electrical downtilt    | None                                                  |
| Front to back ratio    | - dB                                                  |
| Max. Continuous power  | 2 kW                                                  |
| RF-connector           | 7/16 female or 7/8" EIA                               |
| 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) | 2000 x 1700 x 1700 mm                                 |
| Weight                 | 40 kg                                                 |
| Mounting diameter      | Ø 60...115 mm pipe                                    |
| Materials              | Aluminium<br>Glassfiber radome<br>Glass reinforced PE |
| Options                | Available as stacked arrays                           |

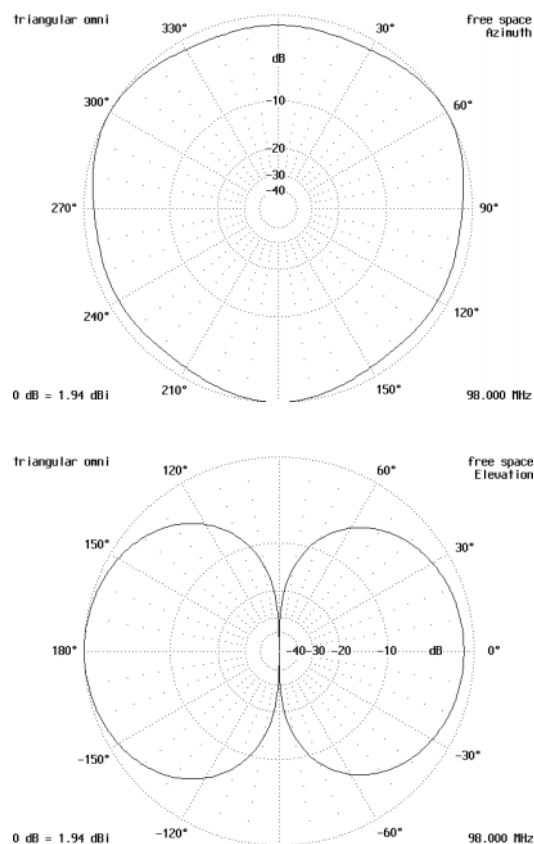
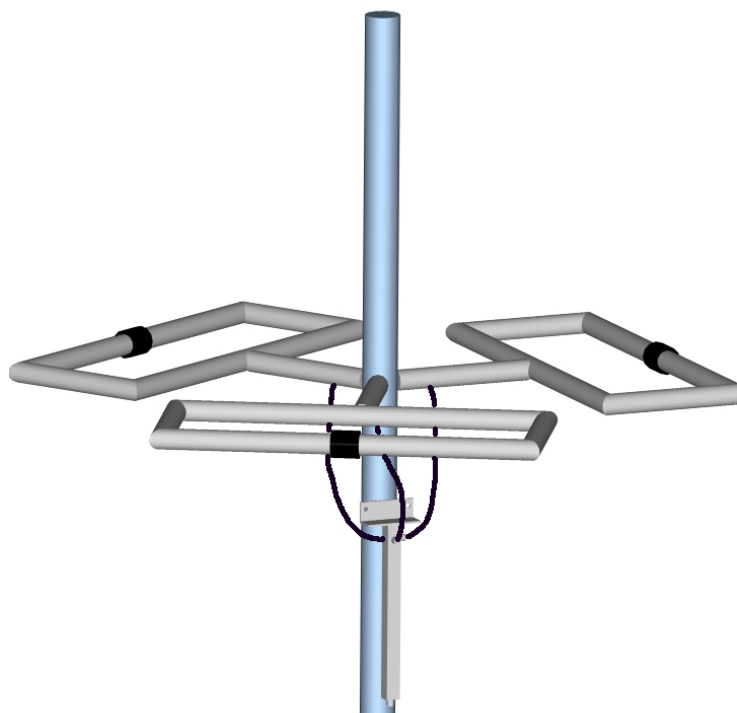


## TV TRANSMITTER ANTENNA AV1551



| Type                   | AV1551                      |
|------------------------|-----------------------------|
| Frequency              | 175...230 MHz               |
| Bandwidth              | 55 MHz                      |
| Impedance              | 50 $\Omega$ DC grounded     |
| VSWR                   | 1,3 max                     |
| Polarisation           | Horisontal                  |
| Gain                   | 2 dBi                       |
| E-plane 3 dB beamwidth | 360°                        |
| H-plane 3 dB beamwidth | 50°                         |
| Electrical downtilt    | None/Available in arrays    |
| Front to back ratio    | - dB                        |
| Max. Continuous power  | 1 kW                        |
| RF-connector           | 7/16 female or 7/8" EIA     |
| Operational windspeed  | 40 m/s (default)            |
| Survival windspeed     | 55 m/s (default)            |
| Wind area              | 0,2 m <sup>2</sup>          |
| Dimensions (H x W x D) | 975 x 850 x 850 mm          |
| Weight                 | 15 kg                       |
| Mounting diameter      | Ø 60...115 mm pipe          |
| Materials              | Aluminium                   |
| Options                | Available as stacked arrays |

## FM TRANSMITTER ANTENNA AV1556



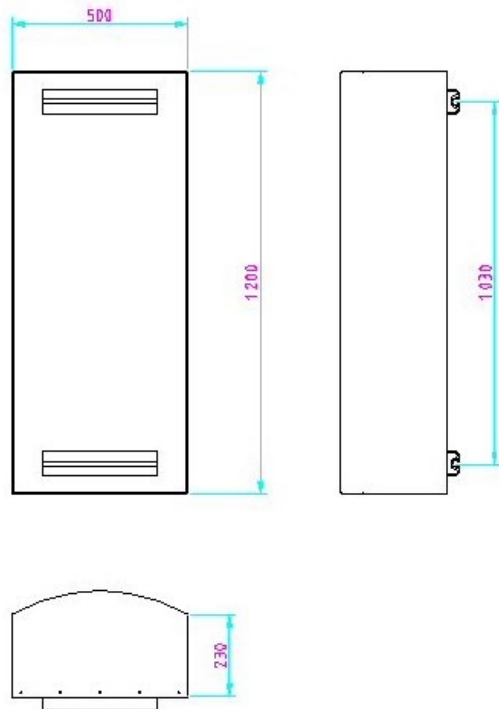
| Type                   | AV1556                                                |
|------------------------|-------------------------------------------------------|
| Frequency              | 88...108 MHz                                          |
| Bandwidth              | 20 MHz                                                |
| Impedance              | 50 $\Omega$ DC grounded                               |
| VSWR                   | 1,5 max                                               |
| Polarisation           | Horizontal                                            |
| Gain                   | 0...2 dBi                                             |
| E-plane 3 dB beamwidth | 360°                                                  |
| H-plane 3 dB beamwidth | 90°                                                   |
| Electrical downtilt    | None                                                  |
| Front to back ratio    | - dB                                                  |
| Max. Continuous power  | 2 kW                                                  |
| RF-connector           | 7/16 female or 7/8" EIA                               |
| Operational windspeed  | 40 m/s (default)                                      |
| Survival windspeed     | 55 m/s (default)                                      |
| Wind area              | 0,5 m <sup>2</sup>                                    |
| Dimensions (H x W x D) | 1100 x 850 x 60 mm                                    |
| Weight                 | 15 kg                                                 |
| Mounting diameter      | Ø 60...115 mm pipe                                    |
| Materials              | Aluminium<br>Glassfiber radome<br>Glass reinforced PE |
| Options                | Available as stacked arrays                           |

## AV1557 SUPERTURNSTILE



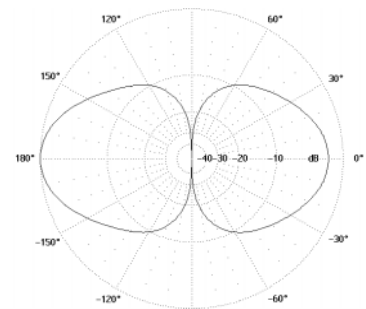
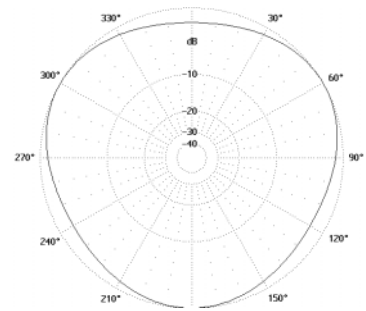
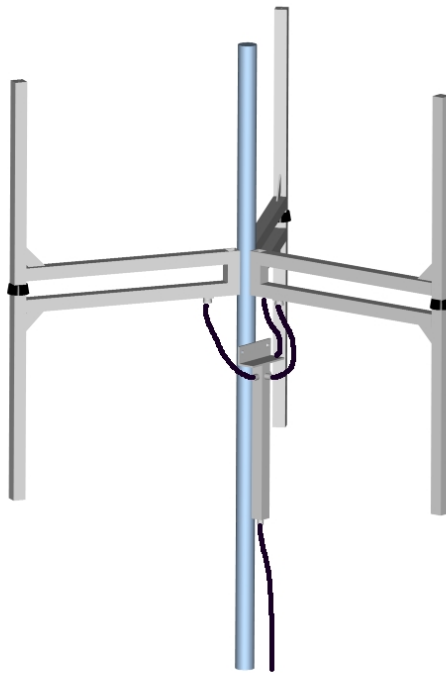
| Type                                        | AV1557 SUPERTURNSTILE                |
|---------------------------------------------|--------------------------------------|
| Frequency                                   | 470...860 MHz                        |
| Bandwidth                                   | 390 MHz                              |
| Impedance                                   | 50 $\Omega$ DC grounded              |
| VSWR                                        | 1,2 max                              |
| Polarisation                                | Horizontal                           |
| Gain                                        | 5,5...6,5 dBi                        |
| E-plane 3 dB beamwidth                      | 360°                                 |
| H-plane 3 dB beamwidth                      | 25°                                  |
| Electrical downtilt                         | None                                 |
| Front to back ratio                         | -                                    |
| Max. Continuous power                       | 1 kW                                 |
| RF-connector                                | 7/16 female                          |
| Operational windspeed                       | 40 m/s (default)                     |
| Survival windspeed                          | 55 m/s (default)                     |
| Wind area                                   | 0,4 m <sup>2</sup>                   |
| Dimensions (H x W x D) ( $\varnothing$ x H) | 300 x 1400 mm                        |
| Weight                                      | 38 kg                                |
| Mounting diameter                           | Flange at the bottom of the antenna  |
| Materials                                   | Stainless steel<br>Glassfiber radome |
| Options                                     | Mounting flange dimensions<br>Colour |

## UHF-TRANSMITTER ANTENNAS AV1604-H AND AV1604-V



| Type                   | AV1604-H                        | AV1604-V                        |
|------------------------|---------------------------------|---------------------------------|
| Frequency              | 470...860 MHz                   | 470...860 MHz                   |
| Bandwidth              | 390 MHz                         | 390 MHz                         |
| Impedance              | 50 $\Omega$ DC grounded         | 50 $\Omega$ DC grounded         |
| VSWR                   | 1,2                             | 1,2                             |
| Polarisation           | Horizontal                      | Vertical                        |
| Gain                   | 12 dBi                          | 12 dBi                          |
| E-plane 3 dB beamwidth | 65° @ 665 MHz                   | 25° @ 665 MHz                   |
| H-plane 3 dB beamwidth | 25° @ 665 MHz                   | 65° @ 665 MHz                   |
| Electrical downtilt    | -                               | -                               |
| Front to back ratio    | 20 dB                           | 20 dB                           |
| Max. Continuous power  | 0,5 kW (7/16) or 2 kW (EIA7/8") | 0,5 kW (7/16) or 2 kW (EIA7/8") |
| RF-connector           | 7/16 female or 7/8" EIA         | 7/16 female or 7/8" EIA         |
| Operational windspeed  | 40 m/s (default)                | 40 m/s (default)                |
| Survival windspeed     | 55 m/s (default)                | 55 m/s (default)                |
| Wind area              | 0,6 m <sup>2</sup>              | 0,6 m <sup>2</sup>              |
| Dimensions (H x W x D) | 1200 x 500 x 230 mm             | 1200 x 500 x 230 mm             |
| Weight                 | 12 kg                           | 12 kg                           |
| Mounting               | 30...115 mm pipe                | 30...115 mm pipe                |
| Materials              | Aluminium<br>Glassfiber         | Aluminium<br>Glassfiber         |
| Options                | -                               | -                               |

## FM TRANSMITTER ANTENNA AV1705-95



| Type                           | AV1705-95                        |
|--------------------------------|----------------------------------|
| Frequency                      | 88...108 MHz                     |
| Bandwidth                      | 20 MHz                           |
| Impedance                      | 50 $\Omega$ DC grounded          |
| VSWR                           | 1,3 max                          |
| Polarisation                   | Vertical                         |
| Gain                           | 2 dBi                            |
| E-plane 3 dB beamwidth         | 50°                              |
| H-plane 3 dB beamwidth         | 360°                             |
| Electrical downtilt            | None                             |
| Front to back ratio            | - dB                             |
| Max. Continuous power          | 2 kW                             |
| RF-connector                   | 7/16 female or 7/8" EIA          |
| 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) | 1500 x 700 x 700 mm              |
| Weight                         | 14 kg                            |
| Mounting diameter              | Ø 60...115 mm pipe               |
| Materials                      | Aluminium<br>Glass reinforced PE |
| Options                        | -                                |