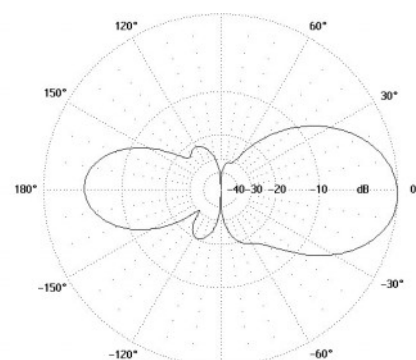
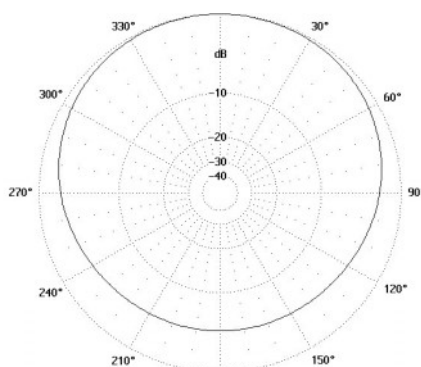


## MEDIUM GAIN BASE STATION ANTENNA AV1431



| Type                                        | AV1431                                                                    |
|---------------------------------------------|---------------------------------------------------------------------------|
| Frequency                                   | 146...174 MHz                                                             |
| Bandwidth                                   | 28 MHz                                                                    |
| Impedance                                   | 50 $\Omega$ 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 <sup>2</sup>                                                       |
| 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<br>Glass reinforced PE                                          |
| Options                                     | AV1431-St (Hot dip galvanised steel)<br>AV1431-100° (100°C specification) |