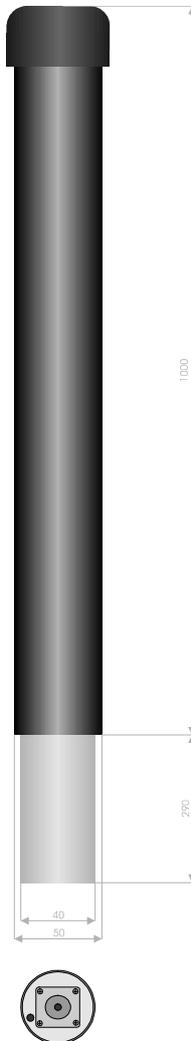


WIDEBAND BASE STATION ANTENNA

BSO-VHF 140-175 MHz



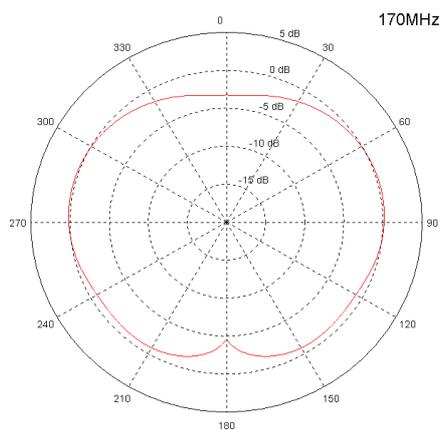
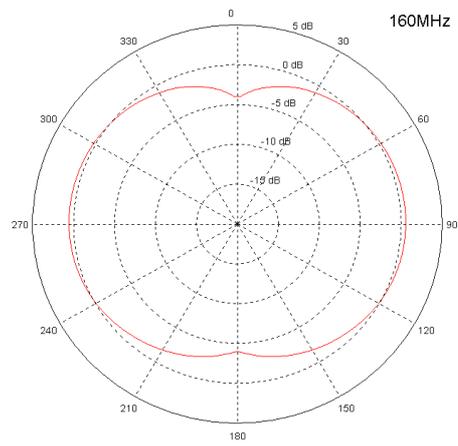
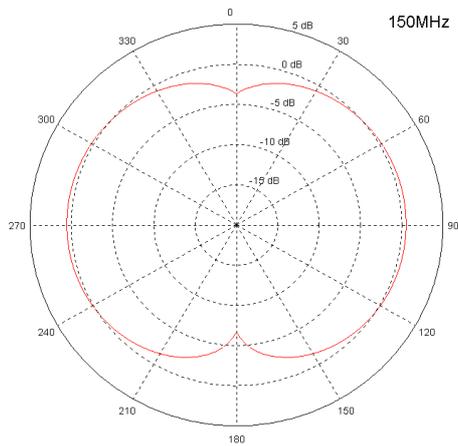
The wideband omnidirectional antenna with no tuning required. The antenna covers the whole VHF range 130 – 175MHz and in the UHF version the range 400 – 470MHz. Considering the wideband operation and the economic performance BSO is the most popular of universal antennas in our offer. BSO antennas are resistant to effect of walls and metal parts of mounting construction. The BSO might be delivered in white or gray cover made of PCV. The antenna is DC-grounded and in lower locations the antenna doesn't require additional lightning protection. The BSO is also produced for air frequency range 118-136 MHz.

ELECTRICAL

| | |
|--|--|
| Frequency range | 144÷174 MHz |
| Gain (re. to $\lambda/2$ dipole) | 0 dBd (2,15 dBi) |
| Horizontal radiation pattern | Omnidirectional |
| Impedance | 50 Ω |
| Antenna type | $\lambda/2$ dipole |
| VSWR | $\leq 1,6$ |
| Maximum power | 100 W |
| Bandwidth | averagely 30 MHz |
| Horizontal radiation pattern code (H-plane) | 000ND00 (CEPT Recommendation T/R 25-08) |
| Verticla radiation pattern code (E-plane) | 045DE00 (CEPT Recommendation T/R 25-08) |

MECHANICAL

| | |
|---------------------|----------------|
| Connector | UC1 |
| Material | Aluminium, PCV |
| Polarization | vertical |



Vertical radiation pattern



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