

AP3000 is a biconical antenna that represents the 3 GHz evolution of AP2000. It measures radiated emission and environment exposure (elettromog) to the radio frequencies in proximity of radio base station Tetra, GSM, UMTS, Wi-Fi (802.11 b/g 2400 MHz), Wi-Max (2500 MHz), LTE.

AP3000 kits includes

- biconical antenna AP3000
- Calibration certificate (containing SWR and K factors)
- 10 m coaxial cable (art. **OCF010**)
- 54.7° angular othogonal support (art. **SUPPORTOAP**)

Accessories available on demand

- carry case (art. **AP_CARRYCASE**)
- wooden tripod (art. **AT_WOODENTRIPOD**)
- EMF measurement software (art. **SW3000**)

Physical characteristics

- Dimensions: 200 mm (dipole) x 250 mm x 62 mm
- Weight: 2.4 kg
- Connectors: N(f)
- Protection level IP 42
- Temperature from -30°C to +55°C
- Humidity max 95% at 40°C

Electrical characteristics

- Antenna type biconical (passive device)
- Polarization monoaxial
- Frequency range from 80 MHz to 3000 MHz
- Maximum field > 300 V/m
- Sensivity > 0.5 mV/m
- Cross-polar rejection > 22 dB
- Isotropic error
 - up to 1800 MHz < 0.5 dB
 - from 1800 MHz to 2500 MHz < 0.9 dB
 - from 2500 MHz to 3000 MHz < 1.2 dB
- Balun symmetry
 - from 80 MHz to 90 MHz < 0.6 dB
 - from 90 MHz to 2500 MHz < 0.2 dB

Materials

- Dipole green anodized aluminium
- Balun brass
- Enclosure plastic material



Typical antenna factor (k)

