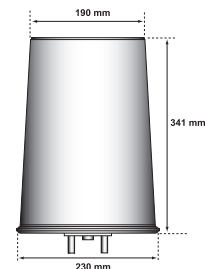


ATOM3 antenna is a very high quality omnidirectional multi-band antenna. It has been specifically designed for professional applications in the VHF bands (146-174 MHz) and the UHF bands (410-470 MHz). **ATOM3** is characterized by outstanding electrical & mechanical performance with exceptional low VSWR over all covered frequency bands. The antenna is sealed with a radome made of waterproof PVC based plastic. **ATOM3** is DC grounded for protection against lightning and high-tension line.

Electrical & mechanical specifications

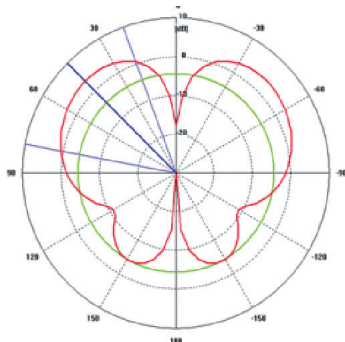
Type	Omnidirectional
Frequency range	VHF: 146 - 147 MHz UHF: 410 - 430 MHz UHF: 440 - 470 MHz
Input impedance	50 Ω
VSWR	< 1.7:1
Maximum input power	50 W
Forward gain	2 dBi
Polarization	Vertical
Radiation pattern	Azimuth; omnidirectional
Connector	Unique N female
Radome	Grey
Typical weight	< 1500g
Typical size	330 x 230 x 341mm (13" x 9" x 13,4")
Operating temperature	- 40° to + 70°C
Relative humidity	0% to 100%
Inner conductor	DC grounded to protect against lightning and high tension line
Standards	EN 50155, IP65



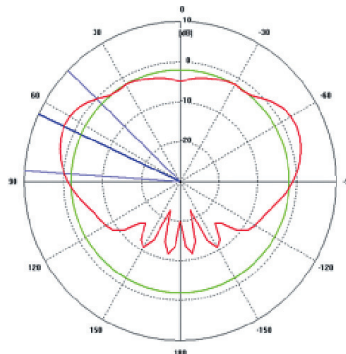
Free space radiation patterns

E-plane

E-plane, @145 MHz

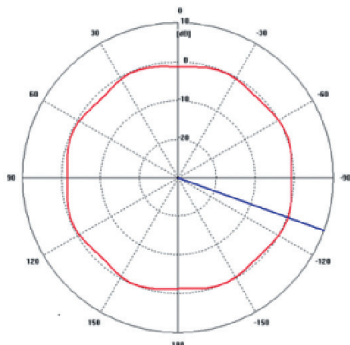


E-plane, @440 MHz



H-plane

H-plane, @145 MHz



H-plane, @440 MHz

