

**ATOM4** is a multi-band antenna. It has been designed for TETRA, UIC, GSM and GPS applications. Using Advanten patented design, ATOM4 is characterized by outstanding electrical & mechanical performance with exceptional low VSWR over all the indicated frequency bands.

ATOM4 is DC grounded to protect against lightning and high-tension line (train, bus, subway...)

### Electrical & mechanical specifications

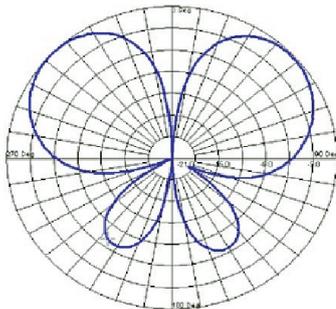
Type	Omnidirectional
Frequency range	TETRA 415 – 430 MHz RTS / UIC 440 – 470 MHz GSM 900 876 – 960 MHz GPS (active) 1572,5 – 1578 MHz
Input impedance	50 $\Omega$
VSWR	< 1.4 over all frequency bands
Forward gain	1-2 dBi (TETRA, RTS/UIC, GSM) 3 dBi @90°, - 2 dBi @20° (Passive GPS)
Polarisation	Vertical (TETRA, RST, GSM) Right circular (GPS)
Connector	N female (TETRA, RTS/UIC, GSM) TNC female (GPS)
Radome	White waterproof PVC based plastic
Inner conductor	DC grounded
Typical weight	950g
Typical size	145 x 80 x 130 mm
Standards	CT 2472 V2.0 NF EN 60068/61373, NF F 15-818 NF EN 50155, CEI 61000 NF EN 50388/50123 IP 65
Fixing	4 screws, M12



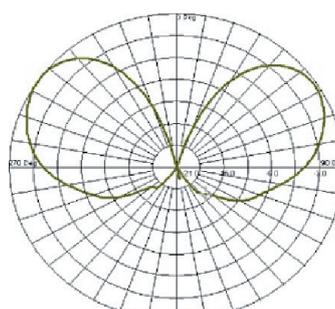
### Free space radiation patterns

**E-plane**

F = 430MHz

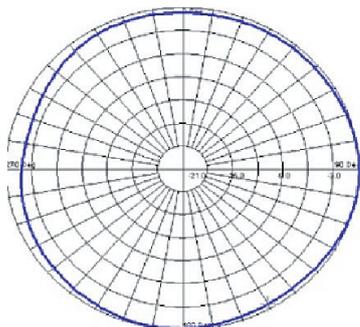


F = 900MHz



**H-plane**

F = 430MHz



F = 900MHz

