

ATOM5 antenna is a very high quality professional multi-band antenna. It has been designed to gather all the professional radio networks onto one single antenna. The radio networks handled by ATOM5 are INPT & TETRA, GSM, DCS & UMTS and LTE.

ATOM5 is characterized by outstanding electrical performances with exceptional low VSWR over all the covered frequency bands. The antenna exhibits mechanical characteristics to fit environmental discretion constraint for indoor applications with installation at the ceiling.

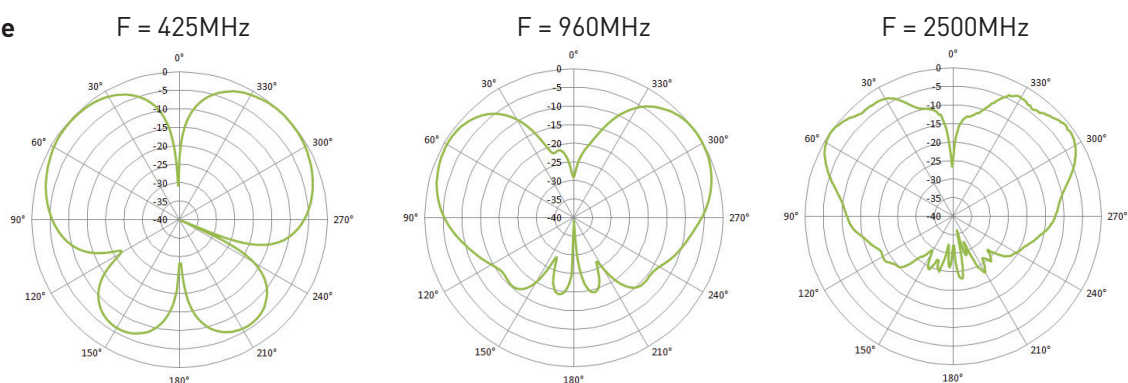
Electrical & mechanical specifications

Type	Omnidirectional in horizontal plane
Covered Frequency ranges	380 – 470 MHz for INPT & TETRA 870 – 960 MHz for GSM 1700 – 2200 MHz for DCS & UMTS 2500 – 2700 MHz for LTE
3 dB beamwidth in E plane	55° at 400 MHz 55° at 900 MHz 35° at 1900 MHz
3 dB beamwidth in H plane	Omnidirectional at all frequencies.
Input impedance	50 Ω
VSWR	< 2 over all frequency bands. To be used with a ground plan
Forward gain	> 2 dB overall frequencies
Polarization	Vertical
Connector	N female
Material	U.V. stabilized and flame retardant ABS, aluminium base plate
Radom	On demand : White, grey, black
Weight	900 gr
Size	Height = 130 mm Diameter = 80 mm



Free space radiation patterns

E-plane



H-plane

