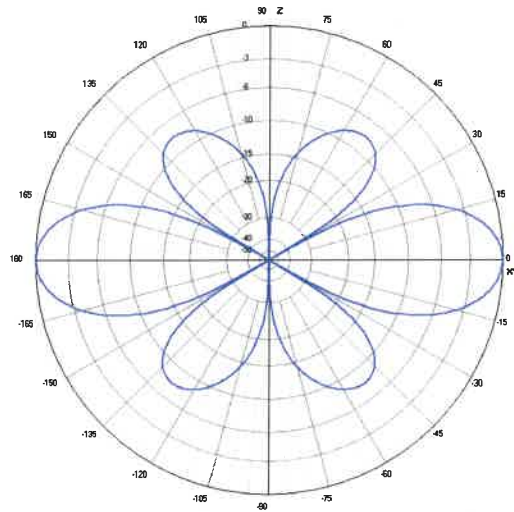



ATEX APPROVED MEDIUM GAIN BASE STATION ANTENNA AV1434-EXnA-2450FN2



Type	AV1434-EXnA-2450FN2
Frequency	2400...2500 MHz
Bandwidth	100 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 typical
Polarisation	Vertical
Gain	5 dBi nominal in free space *) For other mounting configurations please contact Aerial Oy.
E-plane 3 dB beamwidth	30°
H-plane 3 dB beamwidth	-°
Electrical downtilt	None
Front to back ratio	- dB
Max. Continuous power	In non-ATEX environment: -500W CW, limited by input connector In ATEX environment: -Group IIC: 2,0W (33,0dBm) -Group IIB: 3,5W (35,4dBm) -Group IIA: 6,0W (37,7dBm) -All three EIRP-power values
RF-connector	N-female on a 1000mm fixed jumper
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Effective wind area (A_{eff})	0,1 m ²
Dimensions (H x W x D) (Ø x H)	412 x 160 x 116 mm
Weight	2,5 kg antenna only, add 2 kg for standard mounting kit AETM160-1-A4
Mounting diameter	Ø 30...115 mm pipe standard mounting kit AETM160-1-A4
Materials	AISI304 AISI316 Glass reinforced PE Glass fiber
Options	Mounting kit and colour
Atex marking	 II 3G, Ex nA IIA/IIB/IIC T6 Gc
Ambient temperature	-45 °C ≤ Tamb ≤ +60 °C (Class T6)

*) Limited and/or controlled when used in ATEX-environment. See related EC DECLARATION OF CONFORMITY ATEX Directive 94/9/EC, TYPE EXAMINATION CERTIFICATE, installation instruction and their attachments for more details, information and before installation and assembly.