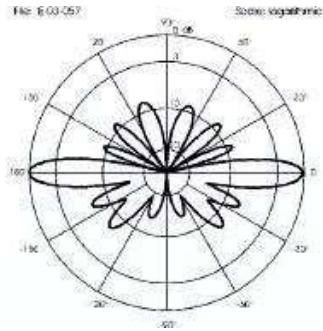


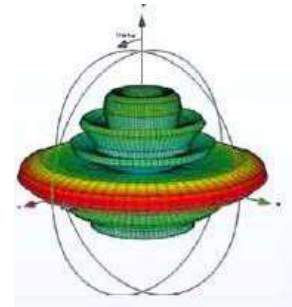
## Collinear Fibreglass Antennas

Nova Code: **ANT-B-702**

- Base Station Antenna
- Wide-band Omni directional
- High-gain
- Made of Fibreglass, Stainless steel hardware
- Designed to work without Ground plane



Typical Radiation Pattern  
In E-plane at Midband



3D Radiation Pattern

Electrical Data	ANT-B-702
Frequency Range	400 – 430 MHz @ SWR ≤ 1.5
Type	Collinear
Impedance	50Ω
Radiation (H-plane)	360° Omni-directional
Radiation (E-plane)	Beam width @ - 3dB = 14°
Polarization	Linear Vertical
Gain	6 dBd – 8.15 dBi
Max Power	75 Watts (CW) @ 30°C ambient
Grounding Protection	All metal parts are DC-grounded. The inner Conductor shows a DC short
Connector	N-Female with Rubber Protection Cap

Mechanical Data	
Materials	White cylindrical Fibreglass radome $\varnothing$ 28.6mm, Anodized 6063-T5 Aluminium, Brass, Stainless Steel, Copper, EPDM Rubber
Wind Load @ 150 km/h	104 N
Wind Resistance	150 km/h
Antenna Length (approx.)	2940mm
Weight (approx.)	2020 g
Operating Temperature	-40°C to +80°C
Mounting Mast	Side Mast with "V" Bolt $\varnothing$ 35 – 54mm



Specification subject to change without notice. Issue 1