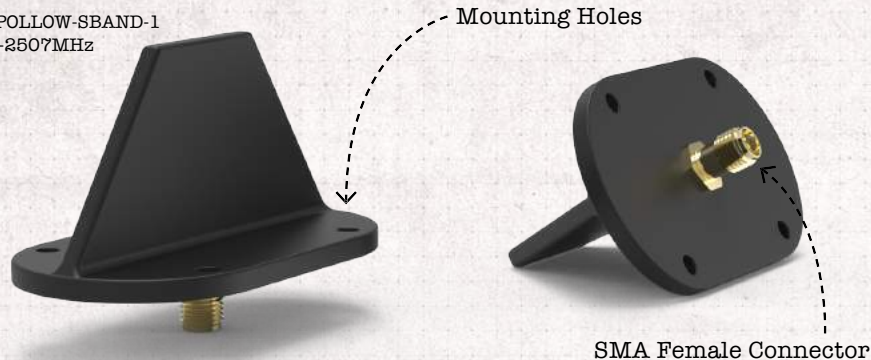




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## S-BAND ANTENNA

- FA-APOLLO-SBAND-1
- 2200-2507MHz



## L-BAND ANTENNA

- FA-APOLLO-LBAND-1
- 1350-1390MHz



# APOLLO UAV FIN HIGH GAIN OMNI ANTENNA

Freedom Atlantic's Apollo UAV FIN Omni Antennas are designed for use on unmanned aerial vehicles in particular carbon fibre platforms where antenna power can be lost due to the carbon absorption properties. Other uses could be covert or discreet platforms where Flexible Fabric antennae may not be suitable. The antenna is constructed from Glass Reinforced Plastic (GRP) encapsulated in plastic which is extremely rugged and lightweight.

Part Number

**S-Band: FA-APOLLO-SBAND-1**

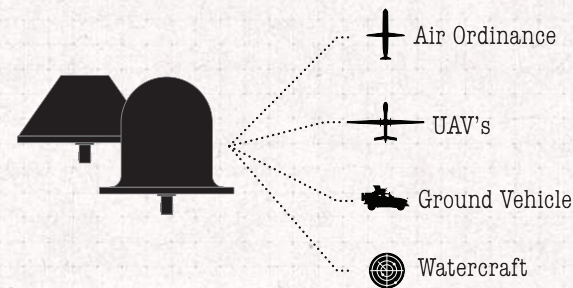
**L-Band: FA-APOLLO-LBAND-1**

**C-Band: FA-APOLLO-CBAND-1**

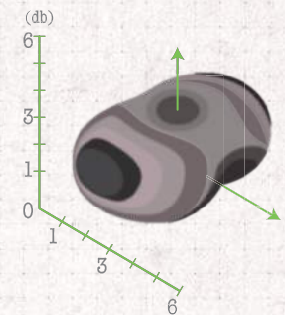
Export Classification

**EAR99**

## CONFIGURATION OVERVIEW



## TOTAL GAIN PATTERN



## SPECIFICATIONS

|                          |                          |
|--------------------------|--------------------------|
| <b>Frequency Range</b>   | S-Band: 2200-2507MHz     |
|                          | L-Band: 1350-1390MHz     |
|                          | C-Band (L): 4400-5000MHz |
|                          | C-Band (U): 5100-6000MHz |
| <b>Pattern</b>           | Omni-directional         |
| <b>Azimuth Beamwidth</b> | 360 nominal              |
| <b>Gain</b>              | 4dB (6dbi) peak gain     |
| <b>VSWR</b>              | S-Band: 1.5:1            |
|                          | L-Band: <1.5:1           |
| <b>RF Power Handling</b> | 5w                       |

|                          |                          |
|--------------------------|--------------------------|
| <b>Polarization Form</b> | Linear Vertical          |
| <b>Mechanical Form</b>   | GRP Plastic encapsulated |
| <b>Size</b>              | 60x70x40mm               |
| <b>Color</b>             | Black                    |
| <b>RF Connector</b>      | SMA Female Straight      |
| <b>Mounting</b>          | 4x 3.2mm circular holes  |
| <b>Weight</b>            | 40g                      |



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