

## 02552 - Aircraft Antenna

### Description

The Model 02552 is an antenna intended for use in the Aviation communications band 118-136MHz.

This antenna is designed primarily for ultra-light aircraft applications. Its Nylon rope support allows it to be strung within the frame structure of most ultra-light aircraft.

NOTE: This antenna must be mounted in such a way that any radiating or choking sections (as shown) must not come into contact with metal objects. The antenna must be "free swinging".

This antenna must also be tuned to frequency (4MHz Bandwidth). The tuning chart shown is approximate only, antenna should be tuned using a VSWR meter.

The antenna is tuned by carefully cutting the heatshrink and conductor at the top of the antenna, **DO NOT CUT THE NYLON CORD.**

### Specifications

Electrical							
Model	Frequency (MHz)	Gain (dBD)	Tuned Bandwidth	Operating VSWR	Input Impedance	Vertical Beamwidth	Horizontal Beamwidth
02552	118-136	0	4MHz	<1.5:1	50 ohms (Nominal)	80°	Omni

  

Mechanical							
Model	Construction	Length (m)	Width (m)	Weight (kg)	Termination	Projected Area	Wind loading @160 KPH
02552	Copper Radiator	1.3	0.035	NA	RG316 Cable Tail	NA	NA

### VSWR Plots

Tuning Chart - Note Approximation only

