

# UHF CB Base Station Antenna

## M1COL5N / M1COL8N

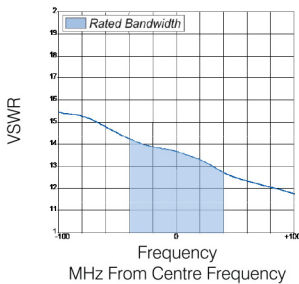
These high gain base station antennas cover the 477MHz band and are ideal for extending radio coverage of your 477MHz UHF CB radio. They are designed around leading patented Meander™ PCB technology incorporating excellent gain, pattern stability, and light weight construction, making these antennas a perfect fit for any base station installation.

The COL5N & COL8N are supplied with an integrated N type female connector integrated into the mounting tube.

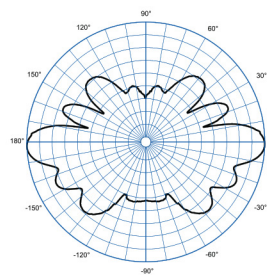
### Features:

- Unique patented Meander PCB for excellent RF characteristics.
- Excellent pattern stability
- Rugged lightweight construction for easy installation
- Supplied pre-tuned

Typical VSWR Response  
(COL8000-N)



Typical E Plane  
(COL8000-N)



### Electrical Specifications

Model Number	COL5000	COL5000-N	COL8000-N
Nominal Gain dBi (dBd)	5 (3)		8 (6)
Frequency MHz	475-478		
Tuned Bandwidth	Full		
VSWR (Return Loss)	<1.5:1 (14dBd)		
Nominal Impedance Ω	50		
Vertical Bandwidth	38°		15°
Horizontal Beamwidth	Omni-directional		
Input Power W	25		

### Mechanical Specifications

Model Number	COL5000	COL5000-N	COL8000-N
Construction	Parallel black radome with stainless steel mounting tube	Tapered black radome with stainless steel mounting tube	
Mounted Length mm	970	1095	2166
Radome Diameter mm	16	16-22	
Weight kg	0.68	0.45	1.11
Termination	10m of 9006 low loss cable terminated with FME(F) connector & UHF adaptor	Integrated N(F) connector	
Mounting Area mm	220	300	
Wind Load (Thrust) @ 160kph Nm	50	60	142
Torque @ 160kph Nm	20	22	110

#### ADDRESS

Unit 7 | 52 Blanck Street  
Ormeau QLD 4208

#### CONTACT

sales@flightstore.com.au  
07 5536 8694

#### WEB

www.flightstore.com.au