

# UHF CB Base Station Antennas

COL5000 and COL8000-N.

477 MHz



These high gain base station antennas cover the 477MHz band and are ideal for extending radio coverage of your UHF CB radio.

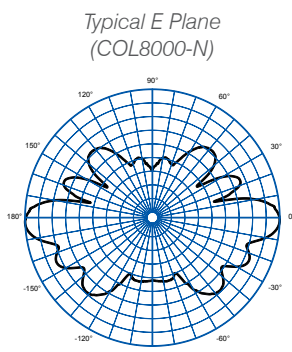
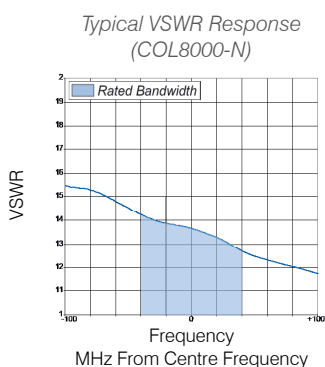
Both these antennas are designed around RFI's leading patented Meander™ PCB technology incorporating excellent gain, pattern stability, and light weight construction, making these antennas a perfect fit for any base station installation.

The COL5000-N comes pre-fitted with 10 metres of low loss 9006 cable terminated with an FME connector, UHF adaptor and 2 stainless steel hose clamps for quick & easy installation.

The COL8000 is designed to be installed for the station that requires additional gain performance and is supplied with an integrated N type female connector mounted onto the tube.

## Features:

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



## Electrical

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

## Mechanical

Model Number	COL5000	COL8000-N
Construction	Parallel black radome, stainless steel mount tube with cable tail	Tapered black radome, mount stainless tube.
Length mm	1000	2300
Radome Diameter mm	16	16 ~ 22
Weight kg	0.82	1.11
Termination	10m of 9006 low loss cable with an FME connector and UHF adaptor	N Female bulkhead connector
Mounting Area mm	220	300
Projected Area cm	no ice	186
	1/2" radial ice	420
Wind Load (Thrust) @ 100mph	50	142
Torque @160km/h Nm	20	110