

UHF CB Base Station Antenna

COL5000/8000 Series

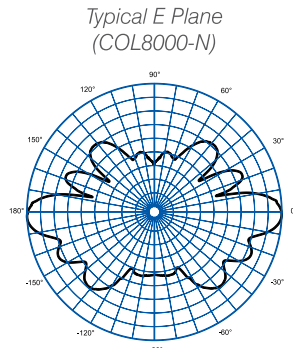
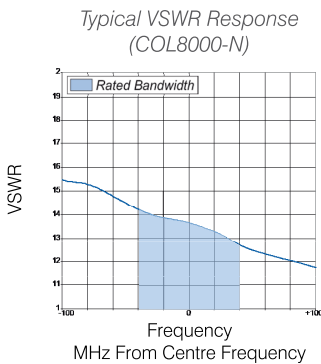


These high gain base station antennas cover the 477MHz band and are ideal for extending radio coverage of your 477MHz UHF CB radio. They are designed around RFI's leading patented Meander™ PCB technology incorporating excellent gain, pattern stability, and light weight construction, making these antennas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

The COL5000 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 while the COL5000-N & COL8000-N are supplied with an integrated N type female connector integrated into the mounting tube. The -N versions require mounts such as 2 x UB1 and coaxial cable (optional extra).

Features:

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



Electrical Specifications

Model Number	COL5000	COL5000-N	COL8000-N
Nominal Gain <i>dBi (dBd)</i>	5 (3)		8 (6)
Frequency <i>MHz</i>	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 <i>W</i>	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	
Length <i>mm</i>	1010		2300
Radome Diameter <i>mm</i>	16	16-22	
Weight <i>kg</i>	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 <i>mm</i>	220	300	
Wind Load (Thrust) @ 160kph <i>Nm</i>	50	60	142
Torque @ 160kph <i>Nm</i>	20	22	110