

VHF Vertical Collinear Antenna

115-148 MHz

COL28



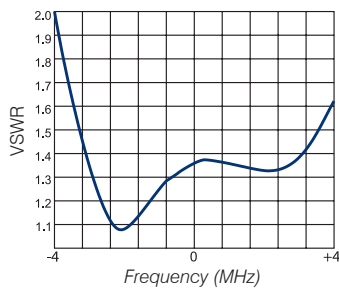
A "cut to frequency" 3 dBd gain vertical collinear, and it is suitable for simplex, duplex and heavy duty applications.

This antenna is rated at 200watt input power, and it is DC grounded to provide maximum resistance to lightning and reduction of precipitation static noise.

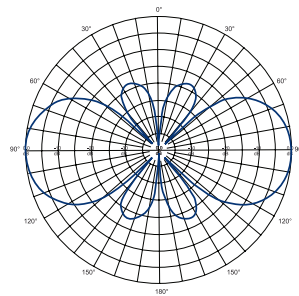
Features:

- High power capacity
- Consistent patterns across all models
- Minimal tower loading
- DC grounded for lightning protection and dissipation of static noise

Typical VSWR Response (COL28)



COL28 - E Plane



Electrical Specifications

Model Number	COL28
Nominal Gain dBi (dBd)	5 (3)
Frequency MHz	115-148
Tuned Bandwidth	4.0%
VSWR (Return Loss)	<1.5:1 (14dB)
Nominal Impedance Ω	50
Vertical Beamwidth°	38
Horizontal Beamwidth°	Omni +/-0.5dB
Input Power W	200

Mechanical Specifications

Model Number	COL28
Construction	Alodined aluminium elements with white fibreglass radome
Length m	3.8
Weight kg	4.2
Termination	N female bulkhead
Mounting Area	500mm x 44mm diam. Alodined aluminium
Suggested Clamps	2 x UC1
Projected Area cm^2	No ice 1533
	With Ice 2650
Wind Load (Thrust) @ 160km/h N	182
Wind Gust Rating km/h	212
Torque @160km/h Nm	260