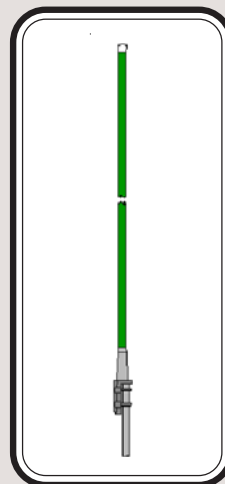




**INVELCO S.A.**  
**INVESTIGACIONES ELECTRONICAS Y COMUNICACIONES**

FREQUENCY RANGE OF  
138 UP TO 174 MHz.

COLINNEAL ANTENNA  
ENCAPSULATED IN  
GLASS FIBER.



## 138-174 MHz. 150W ANTENNA. AV-138-A

This antenna of very easy installation is the ideal complement for fixed radiocommunication equipment that uses the VHF band. The absence of mobile tuning elements or of commutation, insure that the tuning in time before a frequency exchange is null, what allows to assure that this antenna is the better solution for systems of type scanner or A.L.E. in those which is of vital importance, the absence of tuning in times.

### IMPORTANT SPECIFICATIONS :

- OPTIMUM EFFICIENCY IN ALL THE BAND.
- ENCAPSULATED IN HIGH RESISTANCE FIBER GLASS.
- SUPPORT OF GREAT HARDINESS AND EASY INSTALLATION.
- MAXIMUM RELIABILITY AND DURATION.
- RADIANT ELEMENT TO LAND FOR TRANSCEIVER PROTECTION.
- NULL TUNING IN TIME
- RESISTANT TO WINDS HIGHER TO 250 Km/H.
- MAXIMUM OPERATING POWER 150W.
- R.O.E.  $\leq$  1.5

Spanish  
fabrication



VHF ANTENNA TECHNICAL CHARACTERISTICS.

MODEL AV-138-A

**ANTENNA AV-138-B TECHNICAL SPECIFICATIONS**

ELECTRICAL SPECIFICATIONS.

Antenna type .....	Colinreal.
Operating power .....	150 W.
Nominal impedance .....	50 ohms.
R.O.E. ....	≤1.5
Bias .....	Vertical.
Radiation .....	Omnidirectional.

ESPECIFICACIONES.

Frequency range .....	138 to 174 MHz.
Gain .....	0 dB.
Bandwidth .....	6 MHz.
Speed of the wind .....	150Km/h.
Length .....	1,80 m.
Weight .....	1.8 Kg.
Mounting .....	35 to 65 mm. diameter of the mast.
RF connector .....	N - Female