

# COMROD AV30

## Log Periodic Dipole Antenna 220-405 MHz

### Application:

AV30 is mainly designed for mobile military radio link applications. The antenna is of very rugged construction with feeder and connector carefully protected. This makes it well suited for field use.

### Electrical specifications:

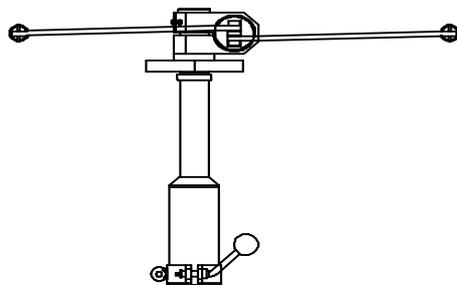
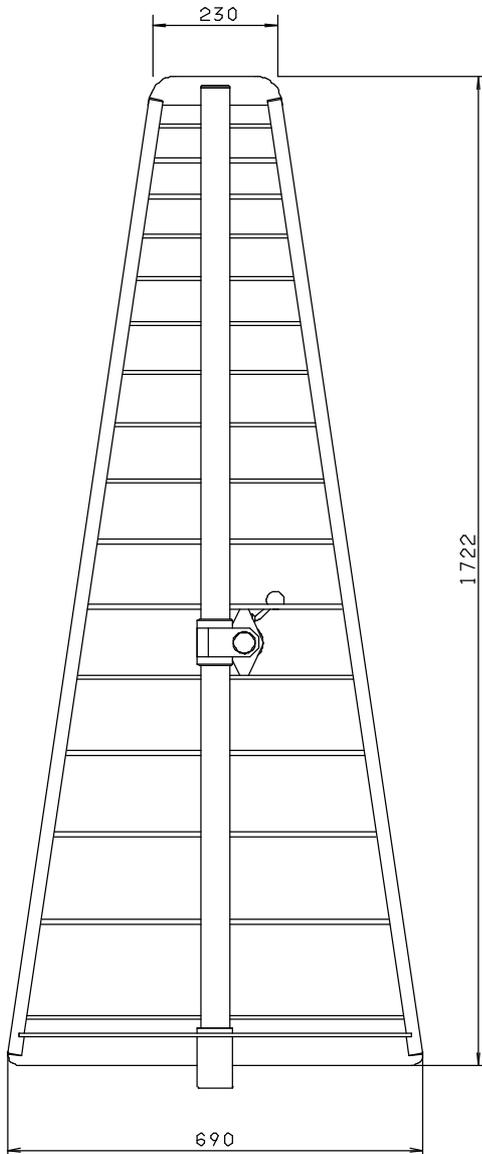
Frequency range	220 - 405 MHz
VSWR	< 1:20
Nominal impedance	50 ohm
Power rating	200 W cw
Gain	> 6db, ref. dipole
Front/back ratio	> 20 db
Polarization	Adjustable linear
Connector	to be specified

### Mechanical specifications:

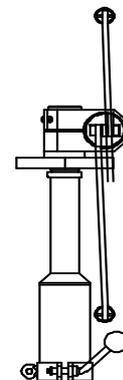
Design	Radiating elements and feeder in brass. Feeder are enclosed in epoxy/fibreglass laminate and filled with P.U. foam. The elements are	
Weight	6.5 kg	
Wind loading, 30 m/s	Horizontal:	5 kg
	Vertical:	9 kg
Finish	Polyurethane lacquer, olive drab.	
Temperature range	-55 °C, +55 °C; -67 °F, +131 °F	

### Mounting:

On mast top, diameter 50 mm or customer specified.



Horizontal polarization



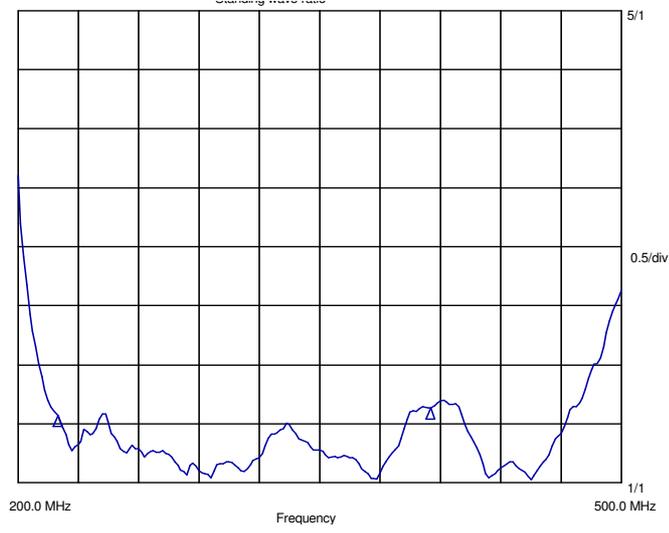
Vertical polarization

Nato codification complete antenna

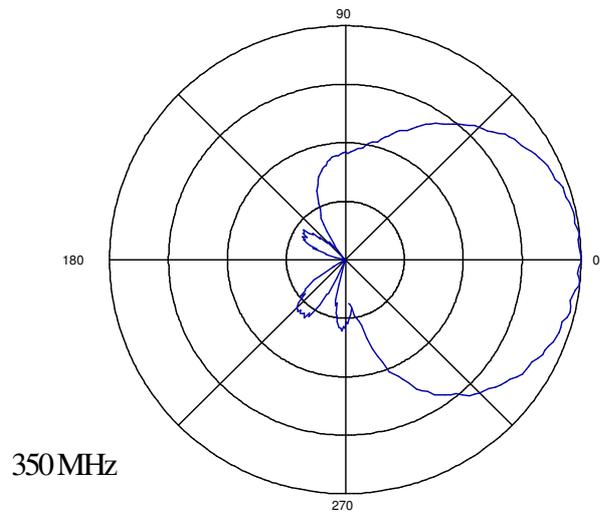
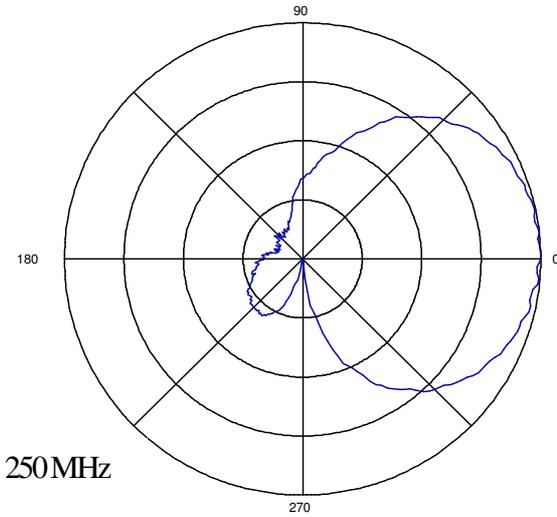
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Standing wave ratio:

Markers at 220 & 405 MHz



E - plane  
40dB dynamic range, 10dB/div



H - plane  
40dB dynamic range, 10dB/div

