



# ANTENNA EXPERTS

E-mail: [info@antennaexperts.in](mailto:info@antennaexperts.in) Website: [www.antennaexperts.in](http://www.antennaexperts.in)

Model JC3-2530

2500 – 3000 MHz.

3 dBi. Gain

## JAMMER COLLINEAR ANTENNA

**DESIGN FEATURES:** The JC3-2530 Jammer Collinear Antenna is rugged all weather model, enclosed in a Fiber Glass enclosure, uses high class aluminum alloy and does not require any field tuning or adjustments. This fiber glass jammer collinear antenna is specially designed to mount on the roof-top hole of the vehicle or can be supplied to mount the antenna directly on the jammer equipments. The JC3-2530 antenna is highly suitable for man-pack and vehicle mounting applications. Similarly the antenna can also be supplied with pole mounting hardware (optional).



**CONSTRUCTIONS:** The special co-axial stub and spark gap techniques are used for smooth VSWR and constant Gain over entire the 2500 - 3000 MHz frequency band. The JC3-2530 jammer collinear antenna consists of large diameter brass radiating elements stacked vertically, fed in phase and enclosed in fiber glass housing. The Fiber Glass has excellent transparency for Radio Signal and mechanically Robust to support extra mechanical strength to the collinear antenna. The antenna can be supplied with olive green colour for defense application.

### **ELECTRICAL SPECIFICATIONS:**

Frequency Range	2500 - 3000 MHz.
Gain	3 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-directional
Vertical Beam-width –Half Power Points	76 Degrees
VSWR	2:1
RF Power Handling Capacity	250 Watts
Input Termination	N-Female

### **MECHANICAL SPECIFICATIONS:**

Wind Rating	220 Km/Hr
Mounting Type	Roof-top Hole or Man-Pack
Overall Length	190mm
Support Pipe Aluminum - O.D.	50mm
Shipping Length	220mm
Radome Material	Fiberglass
Radome O.D.	44mm
Radome Length	150mm
Radiating Elements - Material	All Brass
Net Weight	200 Grams

### **ENVIRONMENTAL SPECIFICATIONS:**

Operating Temperature	(-) 30 to +70 Degrees Celsius
Storage Temperature	(-) 40 to +80 Degrees Celsius
Humidity	0 to 95% RH