



# ANTENNA EXPERTS

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

Model # JCM9-1850 1800 – 1870 MHz. 9 dBi. Gain

## High Gain Manpack Jammer Collinear Antenna for GSM Band

**DESIGN FEATURES:** The JCM9-1850 Jammer manpack collinear antenna is rugged all weather model, enclosed in a ABS radome, uses high quality brass radiating elements and does not require any field tuning or adjustments. The compact size of omni-directional antenna allows easy handling, shipping and highly suitable for transmitting, receiving GSM band without having the requirement of multiple antennas. Cylindrical enclosure is used for low wind loading and for minimal effect of ice formation on the antenna operation as well as providing an aesthetically pleasing appearance.

**CONSTRUCTIONS:** The jammer collinear antenna is supplied complete in assembled condition. This high gain jammer manpack antenna has smooth VSWR and constant Gain over the 1800-1870 MHz GSM frequency band. The JCM9-1850 jammer antenna consists of ultra corrosion resistant radiating elements and enclosed in ABS housing. The ABS has excellent transparency for Radio Signal and mechanically Robust to support extra mechanical strength to the antenna.

**MOUNTING:** The high gain man pack jammer collinear antenna is designed & supplied Man-pack application. The high gain man pack jammer antenna uses N-Male termination at the base so that same can be mounted directly on the equipment/transmitter. Optional: The antenna can be supplied with spring base if required.

**NOTE:** Part # JCM9-1850-S with spring fitted at base. Add 100mm in overall length and add 250 Grams in gross weight.

### ELECTRICAL SPECIFICATIONS:

Frequency Range	1800 - 1870 MHz.
Gain - Typical	9 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms.
Radiation Pattern	Omni-directional
-3dB. Vertical Beam-width	18 Degrees
VSWR – Better Than	1.5:1
RF Power Handling Capacity	50 Watts.
Input Termination	N-Male

### MECHANICAL SPECIFICATIONS:

Wind Rating	80 Km/Hr.
Mounting Type	Directly on Equipment/Tx.
Overall Length	650 mm
Shipping Length	700 mm
Support Pipe Materials	6063T6 Aluminum Alloy
Enclosure/Radome Diameter	25 mm
Enclosure Materials	ABS
Radiators & Support Pipe	6063T6 Aluminum Alloy
Gross Weight	350 Grams
Finish / Color	Olive Green

### ENVIRONMENTAL SPECIFICATIONS:

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



Note: All information contained in the datasheet is subject to change without any prior notice.