# ANTENNA EXPERTS

E-mail: info@antennaexperts.in Website: www.antennaexperts.in

Model # JCM9-2650 2600 – 2700 MHz. 9 dBi. Gain

**High Gain Manpack Jammer Collinear Antenna for LTE Band**

**DESIGN FEATURES:** The JCM9-2650 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 LTE 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 2600-2700 MHz LTE frequency band. The JCM9-2650 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 # JCM9-2650-S with spring fitted at base. Add 100mm in overall length and add 250 Grams in gross weight.

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| **ELECTRICAL SPECIFICATIONS:** | | |
| Frequency Range | | 2600 - 2700 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 Tx. |
| Overall Length | | 450 mm |
| Shipping Length | | 500 mm |
| Support Pipe Materials | | 6063T6 Aluminum Alloy |
| Enclosure/Radome Diameter | | 25 mm |
| Enclosure Materials | | ABS |
| Radiators & Support Pipe | | 6063T6 Aluminum Alloy |
| Gross Weight | | 250 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.