

**KBT**

138-174MHzMHz 3dBi Fiberglass Omni Antenna

TQJ-015G3F65

Applications

VHF Band Communications/ Wireless Data transmission System/ Wireless Paging System.

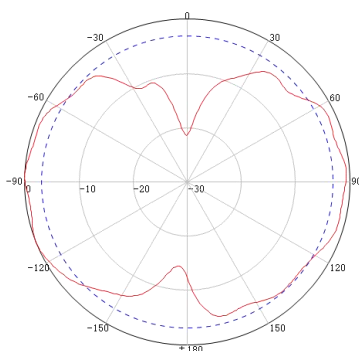
Electrical Specifications

Frequency Range (MHz)	138~174
Bandwidth(MHz)	36
Polarization	Vertical
Gain (dBi)	3 ± 1
Horizontal Beam Width(°)	360
Vertical Beam Width(°)	68 ± 15
Horizontal unroundness(dB)	± 1.5
Impedance (Ω)	50
VSWR	≤ 1.5
Maximum Input Power (W)	500

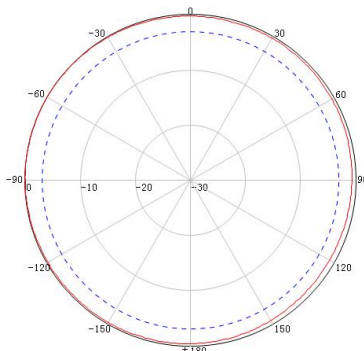
Mechanical Specifications

Connector Type	N Female or DIN-Female (Customized)
Connector Position	Bottom
Antenna Size (mm)	$\phi 70^* (1450\pm 20)$
Antenna Weight (Kg)	2.5 ± 0.1 (exclude the bracket)
Radome material	Fiberglass
Radome color	Blue @Fiberglass
Operating Temperature (°C)	$-50\sim +70$
Relative Humidity(%)	5~95
Rated Wind Velocity (m/s)	60
Salt Spray Resistance	96Hour Neutral (GB/T 2423.17-2008)
waterproofing grade	IP65
Applications	Outdoor
Mounting(Suitable Pole Diameter)	Mast mounting(support mast shall be prepared by customer) JM-2DB@ $\phi 50-\phi 115$, JM-4U@ $\phi 70$
Mounting Kit	JM-2DB or JM-4U (Customized)

Typical pattern E Plane



Typical pattern H Plane



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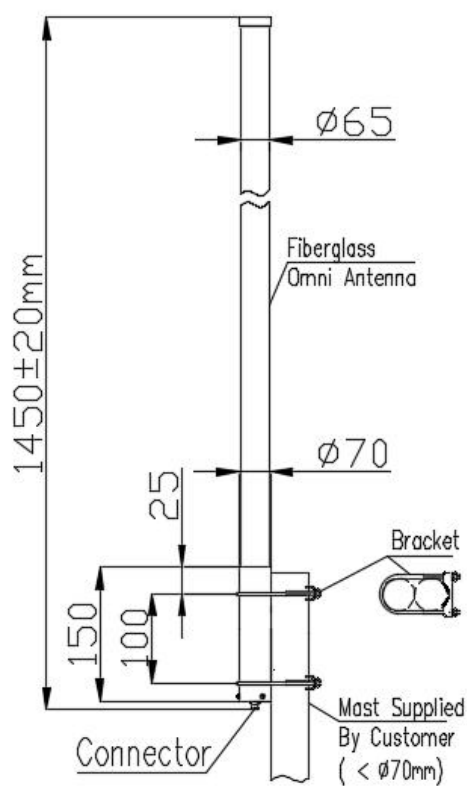
Email: kbt@kenbotong.com

Web: <http://www.kenbotong.com>

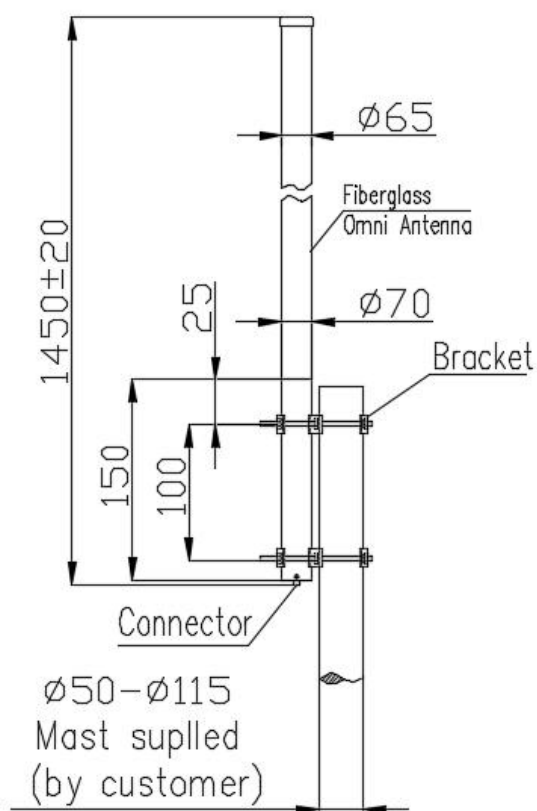
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Product Pictures

**Installation Sketch**

With JM-4U Bracket



With JM-2DB Bracket