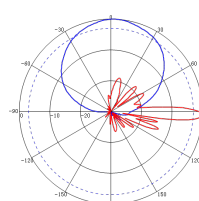
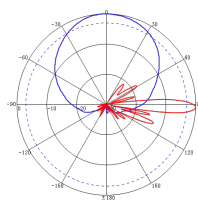
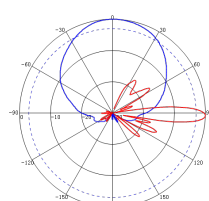
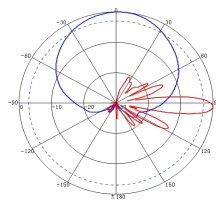


**KBT****XXPol 1710-2690MHz*2 65° 18dBi 2-12°****Integrated RET Outdoor Directional Dual-band Antenna****KB65D1727C4-18D- I****Electrical specifications**

Frequency range (MHz)	1710-2690(Y1,Y2)				
	1710-1880	1850-1990	1920-2200	2200-2490	2490-2690
Polarization	$\pm 45^\circ$				
Gain (dBi)	17 $\pm$ 0.5	17.3 $\pm$ 0.5	17.5 $\pm$ 0.5	17.8 $\pm$ 0.5	18 $\pm$ 0.6
Electrical downtilt (°)	2-12				
Horizontal power beam width (°)	67 $\pm$ 6	65 $\pm$ 6	62 $\pm$ 6	60 $\pm$ 6	57 $\pm$ 6
Vertical power beam width (°)	7.8	7.2	6.5	5.8	5.5
1st Upper sidelobe suppression(dB)	≥ 15				
Cross-polar Discrimination(dB)	≥ 15 ($\pm 60^\circ \geq 8$)				
Front-To-Back Ratio@180 $\pm$ 30° (dB)	≥ 27	≥ 27	≥ 30	≥ 30	≥ 30
Isolation (dB)	≥ 26				
Impedance (Ω)	50				
VSWR	≤ 1.5				
Intermodulation IM3 (dBc)	≤ -150 (2*43dBm carrier)				
Maximum input power (W)	200(at 50℃)				
Ground protection	DC Grounding				

Mechanical specifications

Connector Type	4 * 4.3-10 Female
Connector Location	Bottom
Dimensions,L*W*D (mm)	1365*320*140
Packing Dimensions L*W*D(mm)	1590*410*230
Antenna Net Weight (kg)	14(± 1.5)
Bracket Net Weight(Kg)	3.8
Radome material and Color	Fiberglass, Grey
Operational Temperature (°C)/Humidity(%)	-40 to +65 / $\leq 95\%$
Operational/Max Wind Speed (m/s)	41 /60
Wind Load@150km/h Frontal /Lateral /Rear side(N)	336 /178 /382
Mounting kit	JM-900DZF
Mechanical tilt (°)	0-15
Mounting Pole Diameter (mm)	$\Phi 50$ -115
RET Type	Integrated RET, Replaceable/AISG2.0
RET Model	KRCU20D-2

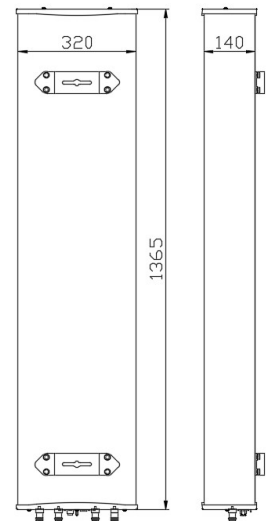
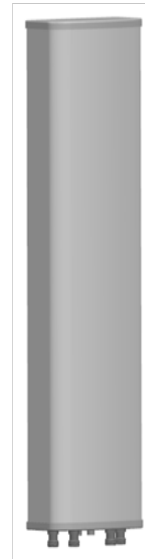
Typical Pattern**1710-1990MHz: $\pm 45^\circ$** **1920-2200MHz: $\pm 45^\circ$** **2200-2490MHz: $\pm 45^\circ$** **2490-2690MHz: $\pm 45^\circ$** 

Add: No.30 Dongyang 3rd Road, Danzao Town, Nanhai District, Foshan City, Guangdong, China 528216

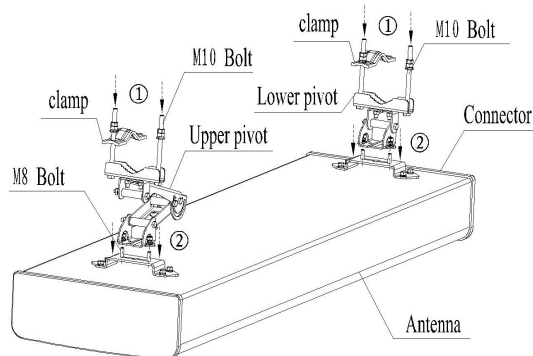
Tel: +86-757-88022860

Email: kbt@kenbotong.com

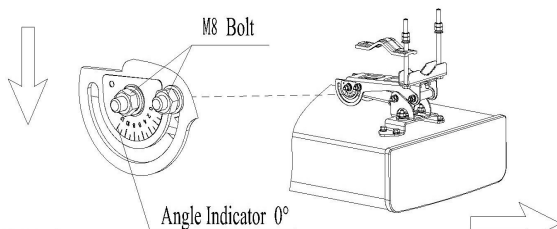
Web: <http://www.kenbotong.com>

**KBT****XXPol 1710-2690MHz*2 65° 18dBi 2-12°****Integrated RET Outdoor Directional Dual-band Antenna****Appearance View****Connector Position****Outline Drawing****Installation Sketch**

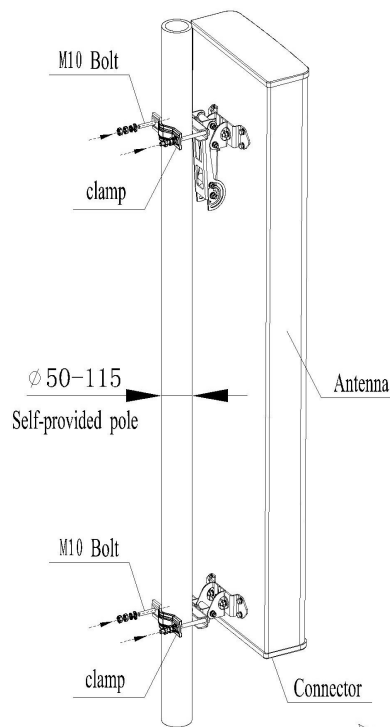
(The antenna picture below is for reference only)

**STEP 1 :**

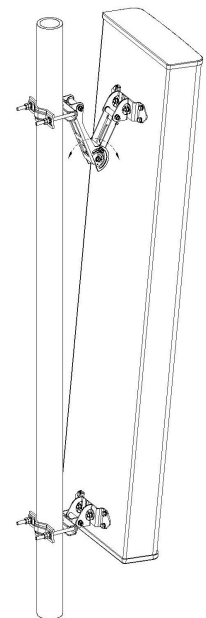
- ① Assemble the M10 bolts and splint on the upper and lower brackets of the antenna, and pretighten the M10 nuts.
- ② Secure the brackets to the rear of the antenna using M8 bolts, and tighten the nut to a torque of 25N·m.

**STEP 2:**

Loosen the M8 fastening bolt of the upper support first, adjust the scale to 0 degrees, and then tighten the nut to a torque of 25N·m.
(The above steps must be done under the tower)

**STEP 3 :**

Install the antenna to the holding pole, ensure that the antenna is vertical, then lock the M10 bolt, and tighten the nut to a torque of 40N·m.

**STEP 4:**

Loosen the Angle fixing nut, adjust the antenna dip Angle to a proper Angle, and finally lock all the nuts on the brackets.