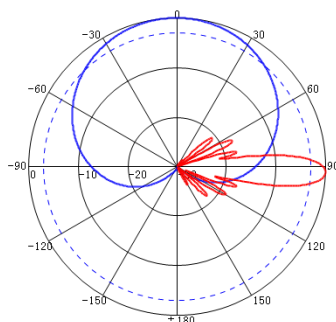
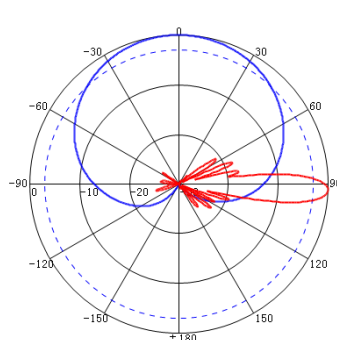
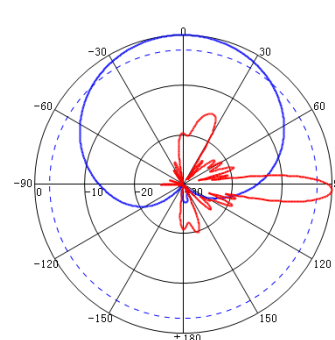


**KBT****XPol 698-960MHz 90°15dBi 0-12°****Integrated RET(Remote Control Unit) Antenna****KB90D0709A2-15-I****Electrical specifications**

Frequency range (MHz)	698-960		
	698-806	790-896	880-960
Polarization	$\pm 45^\circ$		
Gain (dBi)	13.5 $\pm$ 0.5	14 $\pm$ 0.5	14.5 $\pm$ 0.5
Electrical downtilt (°)	0-12		
Horizontal power beam width (°)	88 $\pm$ 5		
Vertical power beam width (°)	14.5 $\pm$ 0.8	13 $\pm$ 0.8	11.5 $\pm$ 0.8
1st Upper sidelobe suppression(dB)	≥ 15		
Front-to-back ratio (dB)	$\geq 23(180\pm 30^\circ)$		
Cross-polar discrimination (dB)	$\geq 15 (\pm 60\geq 10)$		
Isolation (dB)	≥ 26		
Impedance (Ω)	50		
VSWR	<1.5		
Intermodulation IM3 (dBc)	$\leq -150 (2\times 43\text{dBm carrier})$		
Maximum power (W)	300		
Ground protection	DC Grounding		

Mechanical specifications

Connector	2*4.3-10 Female
Connector position	Bottom
Height/width/depth (mm)	1700*270*140
Packing size (mm)	1930*360*230
Antenna weight (kg)	13
Bracket weight(Kg)	3.8
Radome material and color	Fiberglass /Gray
Mechanical tilt(°)	0-12
Operating temperature (°C)	-40 to +60
Rated wind velocity (m/s)	60
Wind Load @150km/h Front /Rear/ Side	828 / 976 / 420
Suitable pole diameter (mm)	$\Phi 50$ - $\Phi 115$
Mounting kit	JM-900DZF
RET Model	KRCU20D
RET Type	Integrated RET, Replaceable

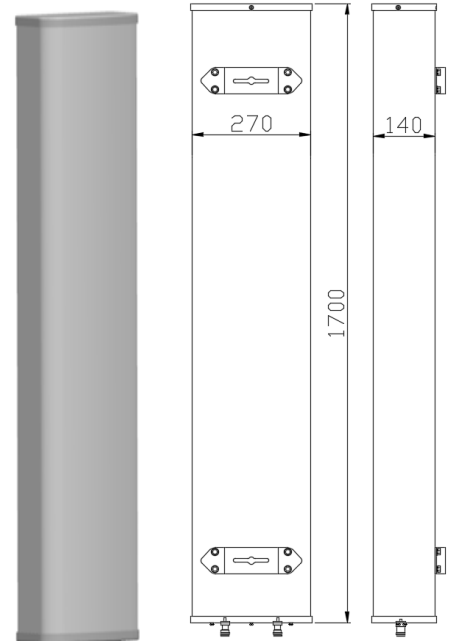
Typical Pattern**698-806MHz: $\pm 45^\circ$ Pol.****790-896MHz: $\pm 45^\circ$ Pol.****880-960MHz: $\pm 45^\circ$ Pol**

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

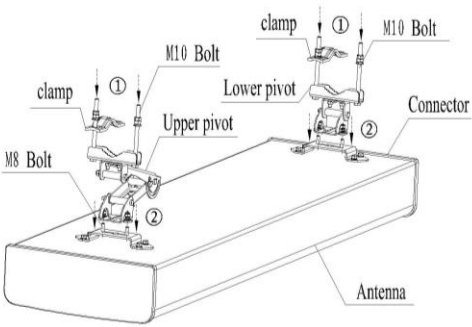
Tel: +86-757-88022860

Email: kbt@kenbotong.com

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

**KBT****XPol 698-960MHz 90°15dBi 0-12°****Integrated RET(Remote Control Unit) Antenna****Appearance View**

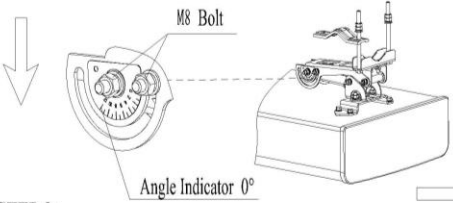
Installation Sketch



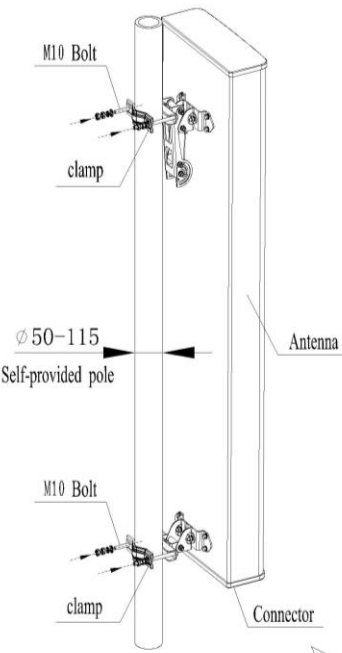
STEP 1 :

- 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:

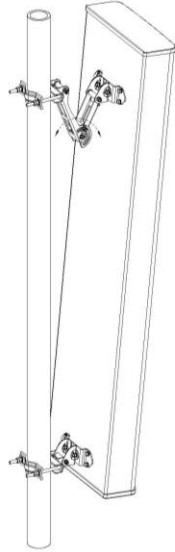


Loosen the M8 fastening bolt of the upper support first, adjust the scale to 0 degrees, and then tighten the nut to a torque of 25N·m. (The above steps must be done under the tower)



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.