

**KBT****1695-2690MHz 65°18dBi 0-10°Tilt Integrated RET
Outdoor Directional Antenna****KB65D1727A2-18-I****Application**

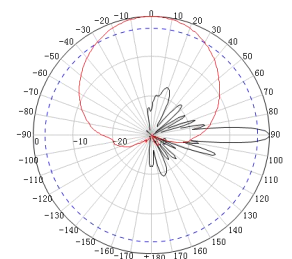
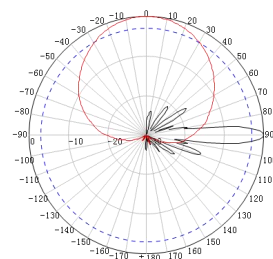
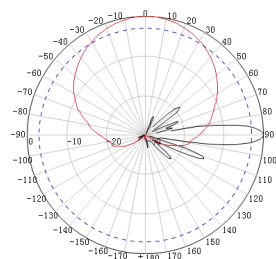
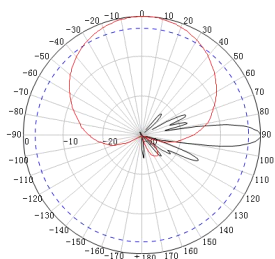
Used in 3G/4G system

Electrical specifications

Frequency Range (MHz)	1695-2690				
	1695-1880	1850-1990	1920-2200	2170-2500	2490-2690
Polarization	$\pm 45^\circ$				
Gain (dBi)	16.5	16.8	17	17.8	17.5
Electrical Downtilt ($^\circ$)	0-10				
HBW ($^\circ$)	68	67	65	60	60
VBW ($^\circ$)	9	8.8	8.5	7	6.5
1st Upper Sidelobe Suppression(dB)	≥ 15				
Front-to-back ratio (dB)	≥ 25				
Cross-polar discrimination (dB)	≥ 15 ($\pm 60^\circ \geq 8$)				
Isolation (dB)	≥ 26				
Impedance (Ω)	50				
VSWR	≤ 1.5				
IM3 (2*43dBm carrier)	≤ -150 dBc				
Maximum power (W)	200				
Lighting protection	DC Grounding				

Mechanical specifications

Connector	2*7/16DIN Female
Connector position	Bottom
Height/width/depth (mm)	1290*160*81
Packing size (mm)	1520*280*160
AntennaWeight (Kg)	5.8
Bracket weight(Kg)	2.8
Radome material /color	Fiberglass /Grey
Operating temperature ($^\circ\text{C}$)	-40 to +60
Operational/Max Wind Speed (m/s)	41 /60
Wind Load@150km/h Frontal /Lateral /Rear side(N)	253/116/266
Mounting kit	JM-1800DZ
Suitable pole diameter (mm)	$\Phi 50-110$
Mechanical tilt($^\circ$)	0-15
Electrical downtilt adjustment	Integrated RET,replaceable KRCU20D-1 (AISG2.0)

1695-1920MHz: $\pm 45^\circ$ **1920-2200MHz: $\pm 45^\circ$** **2200-2490MHz: $\pm 45^\circ$** **2490-2690MHz: $\pm 45^\circ$** 

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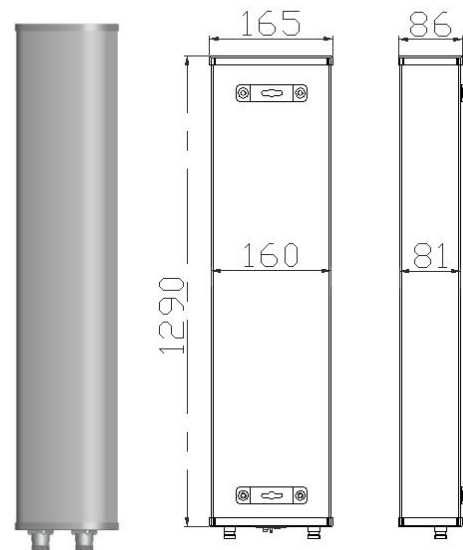
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**KBT**

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Outdoor Directional Antenna**

Connector Position**Outline Drawing**

Installation Sketch

