



**XXXXPoi 698-960MHz/1710-2690MHz *3 65° 17dBi/18dBi 2-10°/2-10°
Integrated RET(Remote Control Unit) Antenna**

KBT65DP17181818-0727BE-I

Electrical specifications

Frequency range (MHz)	R1(698-960)			Y1、Y2、Y3(1710-2690)		
	698-824	824-894	880-960	1710-1920	1920-2170	2300-2690
Polarization	±45°					
Gain (dBi)	16	16.5	17	16.5	17	17.5
Electrical downtilt (°)	2-10			2-10		
Horizontal power beam width (°)	68	65	62	65	63	60
Vertical power beam width (°)	9.5	8.5	7.5	7.5	6.5	5.5
1st Upper sidelobe suppression(dB)	≥15			≥15		
Front-to-back ratio (dB)	≥25			≥25		
Cross-polar discrimination (dB)	≥15 (±60≥8)			≥15 (±60≥8)		
In Band Isolation (dB)	≥25			≥25		
Inter Band Isolation (dB)	≥25					
Impedance (Ω)	50					
VSWR	<1.5			<1.5		
Intermodulation IM3	≤-150dBc(2×43dBm carrier)			≤-150dBc(2×43dBm carrier)		
Maximum power (W)	300			200		
Ground protection	DC Grounding					

Mechanical specifications

Connector	8*4.3-10 Female
Connector position	Bottom
Height/width/depth (mm)	2490(±10)*385(±4)*138(±4)
Packing size (mm)	2740*460*275(±10)
Antenna weight (kg)	27(±2)
Bracket weight(Kg)	4(±0.5)
Radome material and color	UPVC/Gray
Mechanical tilt(°)	0-10
Operating temperature (°C)	-40 to +60
Rated wind velocity (m/s)	60
Wind Load @150km/h	1070/479/1337
Frontal / Lateral / Rearside (N)	
Equivalent flat plate area	2.49*0.385 m²
Suitable pole diameter (mm)	Φ50-Φ115
Mounting kit	JM-900DZA

Integrated RET Properties

Ret Model	KRCU20D-4
Input Voltage	10-30Vdc
Protocol to CCU/TMA	3GPP / AISG 2.0
Power consumption	≤2W Idle, ≤13W In Motion
RET type	Integrated RET, Replaceable
Connectors to CCU	5-pin DIN Female & 5-pin DIN Male , conform to AISG 2.0

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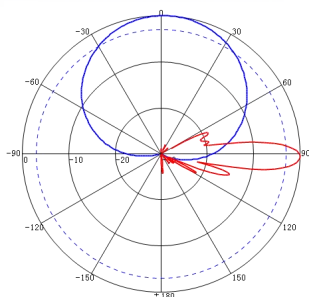
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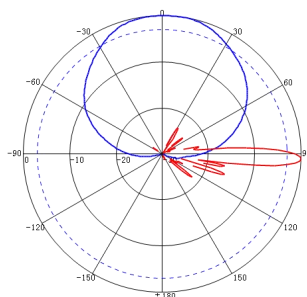
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Typical Pattern

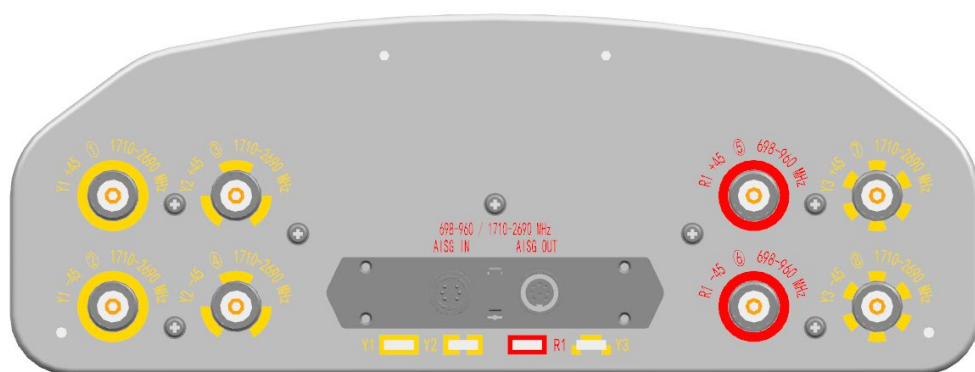
698-960MHz: ±45° Pol.



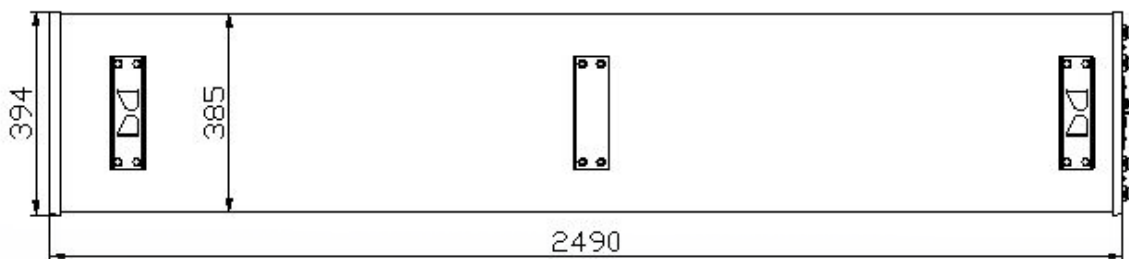
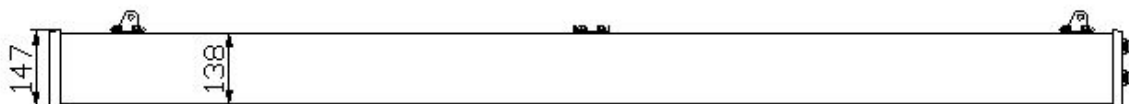
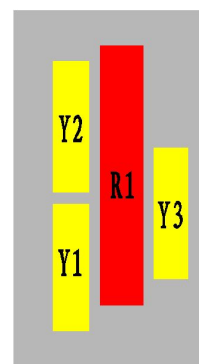
1710-2690MHz: ±45° Pol.



Appearance View



Internal Layout



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Installation Sketch

<p>Step1: ① Install the M10 bolt and u-shape clamp on the upper and lower brackets of the antenna and pre-tighten the M10 nuts. ② Fastening the brackets to the back of antenna with M10 bolt , torquing the nut to 25N·m.</p> <p>Step2 : Tightening the scale to the upper bracket with the M6 nut, fix the scale to 0 degree position, torquing the nut to 8N·m. (Above steps must be completed under the tower before installing the antenna).</p>	<p>Step3: Installing the antenna vertically to the support pole using M10 bolt, torquing the nut to 25N·m.</p>	<p>Step4: Loosing the scale fixing nut on the upper bracket, adjusting the mechanical downtilt angle of antenna to the suitable angle based on the scale display, then tightening the scale and all the nuts on the bracket.</p>
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