

**KBT****XXXXPol 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

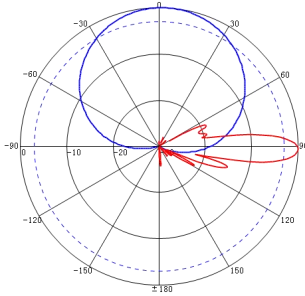


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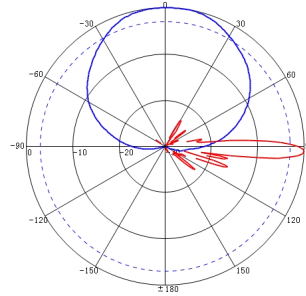
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**Typical Pattern**

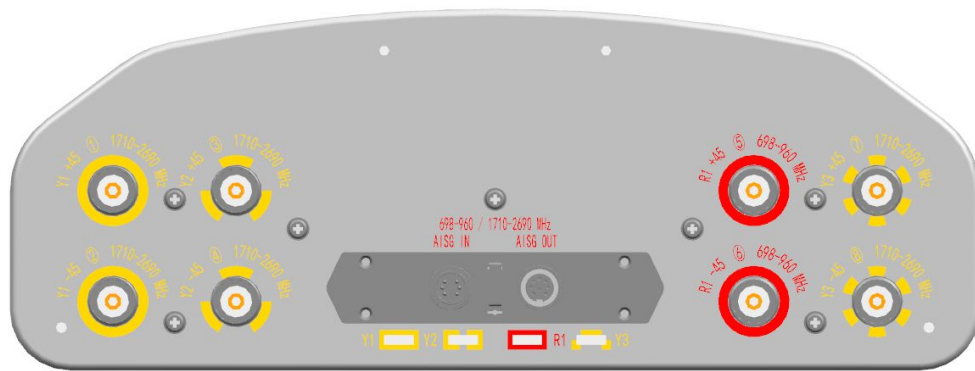
698-960MHz: ±45° Pol.



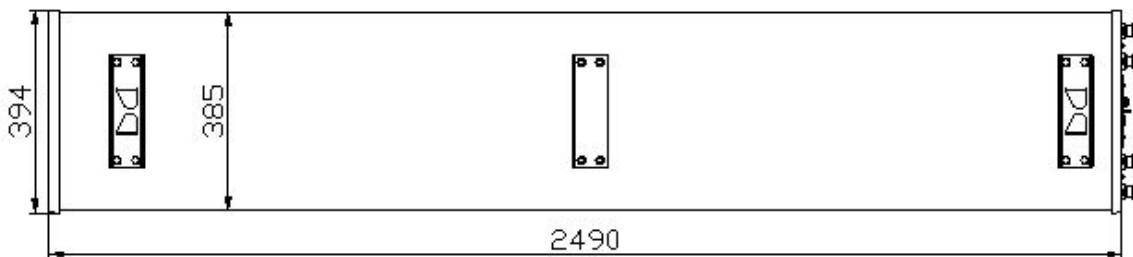
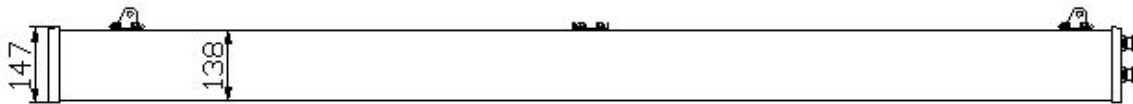
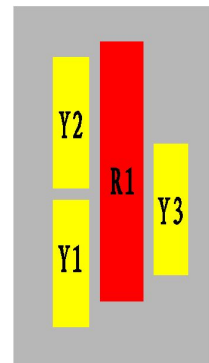
1710-2690MHz: ±45° Pol.



**Appearance View**



**Internal Layout**



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# Installation Sketch

