

**KBT**

XPoI, 698-960MHz 25° 22dBi 0-10°Tilt
Integrated RET(Remote Control Unit) Antenna

KB25D0709A2-22-I**Electrical specifications**

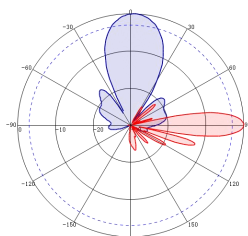
Frequency range (MHz)	698-806	790-896	870-960
Polarization	$\pm 45^\circ$		
Gain (dBi)	21 $\pm$ 0.6	21.6 $\pm$ 0.5	22.2 $\pm$ 0.5
Electrical Downtilt ($^\circ$)	0-10		
Horizontal power beam width ($^\circ$)	28.5 $\pm$ 2.5	25 $\pm$ 2	24 $\pm$ 2
Vertical power beam width ($^\circ$)	10.5 $\pm$ 0.8	9.7 $\pm$ 0.8	8.8 $\pm$ 0.6
1st Upper sidelobe suppression(dB)	≥ 15		
Front-to-back ratio (dB)	≥ 25		
Cross-polar discrimination (dB)	≥ 15 @0° (3dB Within ≥ 8)		
Isolation (dB)	≥ 26		
Impedance (Ω)	50		
VSWR	≤ 1.5		
Intermodulation IM3 (dBc)	≤ -150 (2*43dBm carrier)		
Max. power per input(W)	250(@50℃)		
Lighting protection	DC Grounding		

Mechanical specifications

Connector	2*4.3-10 Female
Connector position	Bottom
Height/width/depth (mm)	2080*680*190
Packing size (mm)	2370*760*330
Antenna Weight (Kg)	36
Bracket weight(Kg)	6.2
Radome material	Fiberglass /Gray
Mechanical tilt($^\circ$)	0-12
Operating temperature ($^\circ\text{C}$)	-40 to +60
Rated wind velocity (m/s)	60
Front/Rear/Side wind. Load (N)	1520/396/1610 @150 km/h
Suitable pole diameter (mm)	$\Phi 50$ - $\Phi 115$
Mounting kit/Surface treatment	JM-900DZA3

Integrated RET Properties

RET type	Integrated RET, Replaceable
Input Voltage	10-30VDC
Protocol to CCU/TMA	3GPP / AISG 2.0
Power consumption	$\leq 2\text{W}$ (Idle), $\leq 13\text{W}$ (in Motion)
Connectors to CCU	4-pin DIN Female&4-pin DIN Male , Conform to AISG 2.0

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

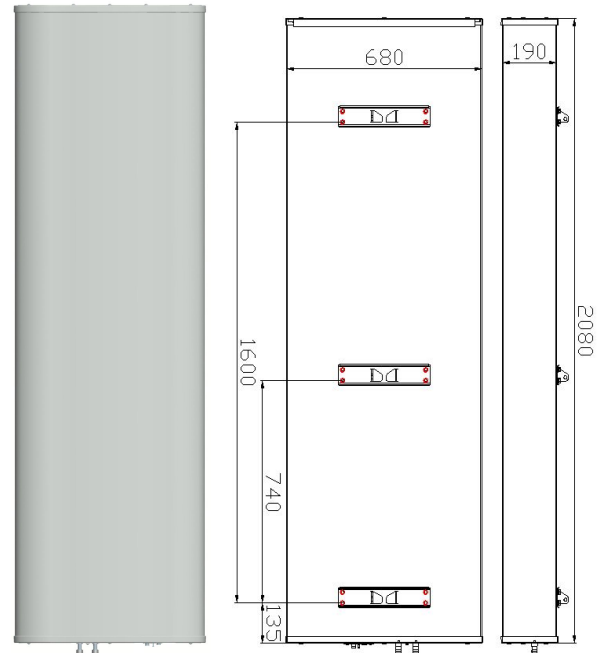
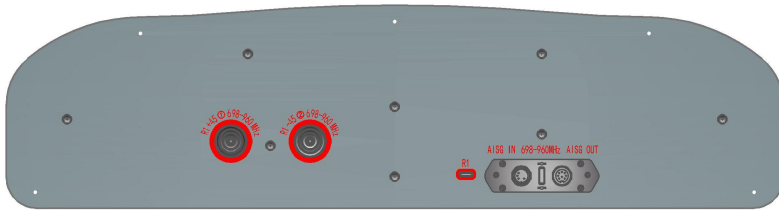
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Appearance View

Connector Position

Outline Drawing



Installation Sketch

