



TQJ-450DQ-AP600

**Applications**

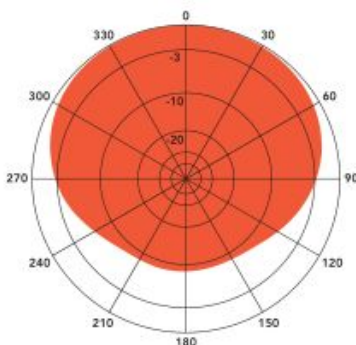
UHF Band TETRA Communications/ Wireless Data transmission syste/ Wireless Paging System

**Electrical Specifications**

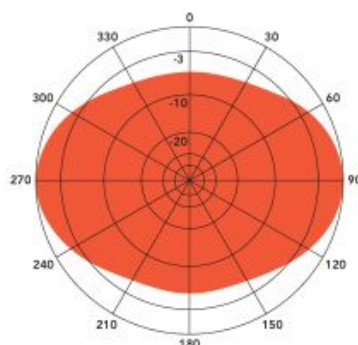
Frequency Range (MHz)	406~512
Polarization	Vertical
Gain (dBd) (depend on pattern)	6~10
Vertical Beam Width(°)	16
Impedance ( $\Omega$ )	50
VSWR	$\leq 1.5$
Maximum Input Power (W)	600
Lighting Protection	DC Ground

**Mechanical Specifications**

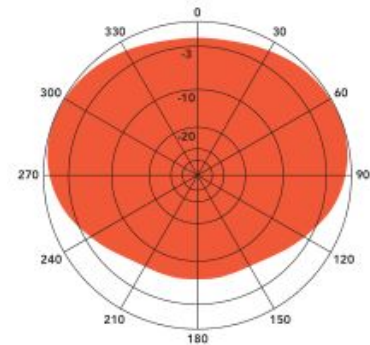
Connector Type	N-Female
Connector Position	Bottom-end of the cable
Antenna Size (mm)	2610×330
Antenna Weight (kg)	11.5±0.05 (exclude the bracket)
Antenna Colour	Primary Colour
Operating Temperature (°C)	-40~+70
Relative Humidity(%)	5~95
Rated Wind Velocity (m/s)	60
Ingress Protection	IP65
Mounting	Mast mounting
Suitable Pole Diameter	$\phi 50 \sim \phi 60$
Mounting Kit	JM-DB

**Typical Pattern**

H-plane: Gain  $10 \pm 1$  dBd  
1/4 $\lambda$  spacing from tower



H-plane: Gain  $10 \pm 1$  dBd  
1/2 $\lambda$  spacing from tower



H-plane: Gain 8.5 dBd  
3/8 $\lambda$  spacing from tower

(Adjustable: Offset circular, cardioid, or bidirectional)



Product Pictures



**Installation Sketch**

