



Antennas

TS-450DQ

4-Element Dipole Array Antennas

Technical Sheet

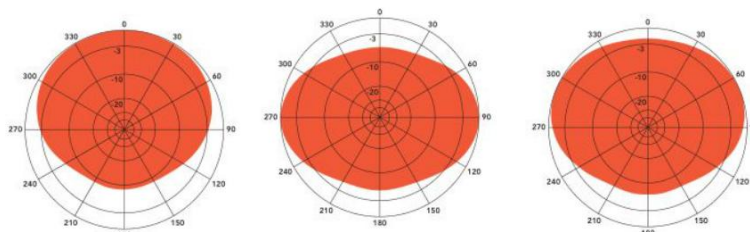


Applications

- UHF Band TETRA Communications
- Wireless Paging System
- Wireless Data transmission system
- Wireless Video System

Features

- Broad Band, Low VSWR
- High Gain
- 4-element dipole array antennas
- 300W High Power
- Pattern Adjustable Offset circular, cardioids, or bidirectional



H-plane:Gain9.1dBd

H-plane:Gain9.1dBd

H-plane:Gain8.5dBd

1/4 λ .spacing from tower

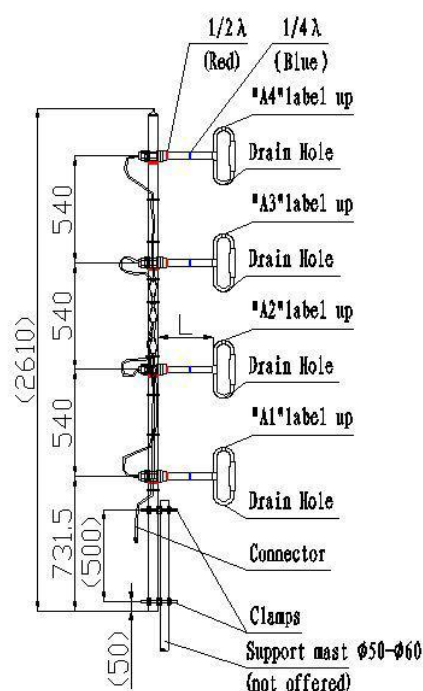
1/2 λ .spacing from tower

3/8 λ .spacing from tower

Specifications

Model	TS-450DQ
Freq.Range -MHz	406~512
Gain (dependent on pattern)	6~9dBd
Ver.Beamwidth -°	16
VSWR	≤1.5
Impedance-Ω	50
Max.Power-W	300
Polarization	Vertical
Connector	N Female or 7/16DIN(OPT.)on harness feed cable
Dimensions(H×D)-mm	2610×330
Weight(antenna+clamps)-Kg	6.8
Lightning Protection	DC Grounded
Wind rating -m/s	60
Support mast is customer-supplied , (Mast Supplied by customer)	

Installation Sketch



1/4 λ ,L=160±10mm	H-plane,GAIN	9.1dBd
3/8 λ ,L=245±10mm	H-plane,GAIN	8.5dBd
1/2 λ ,L=290±10mm (Spacing from Tower)	H-plane,GAIN	9.1dBd

(Harness not shown)Support mast is customer-supplied