

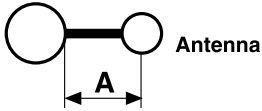
Radiation Patterns for Side-mounted Omnidirectional Antennas

Examples of Horizontal radiation patterns for different mast diameters where $A=0.25\lambda$, 0.5λ , 0.75λ .

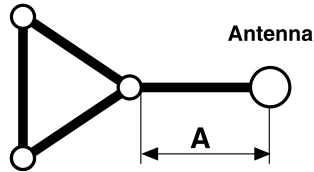
Examples also apply for antenna HDB-450.

Distance A:

Tubular mast



Triangular lattice mast



— $A = 0.25\lambda$

..... $A = 0.5\lambda$

----- $A = 0.75\lambda$

Radiation Patterns for Side-mounted Omnidirectional Antennas (cont)

Mast diameter	Horizontal Radiation Pattern
2.5 inches	
6 inches	
10 inches	
24 inches	
Triangular lattice mast with side length of 20 inches	