



848H90T4E-XY

Directed Dipole Antenna

DECIBEL®
Base Station Antennas

- Excellent azimuth roll-off, 15-20% reduction in cell to cell overlap
- Superior front to back ratio
- Low profile, low wind load for easy zoning
- Outstanding field record, with thousands of units deployed, world wide

ELECTRICAL

Frequency (MHz) :	806 - 896	870 - 960
Polarization :	Vertical	Vertical
Gain (dBd/dBi) :	14.1/16.2	14.4/16.5
Azimuth BW (Deg.):	90	90
Elevation BW (Deg.):	7.5	7.5
Beam Tilt (Deg.):	4	4
USLS* (dB) :	>15	>15
Front-To-Back Ratio* (dB) :	40	40
VSWR :	<1.35:1	<1.35:1
Max. Input Power (Watts) :	500	500
Impedance (Ohms) :	50	50
Lightning Protection :	DC Ground	DC Ground

MECHANICAL

Weight :	12.7 kg (28 lb)
Dimensions (LxWxD) :	2,438 x 165 x 203 mm (96 x 6.5 x 8 in)
Max. Wind Area :	0.22 m ² (2.4 ft ²)
Max. Wind Load (@ 100 mph) :	573.7 N (129 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (1, Back)
Color :	Light Gray
Standard Mounting Hardware :	DB380-3
Standard Downtilt Mounting Hardware :	DB5083D





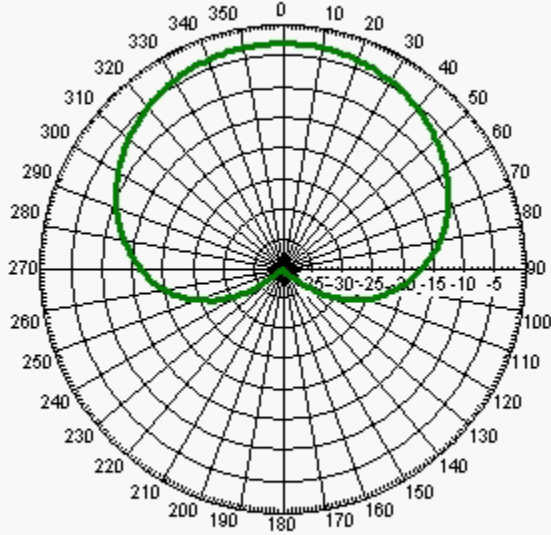
848H90T4E-XY

Directed Dipole Antenna

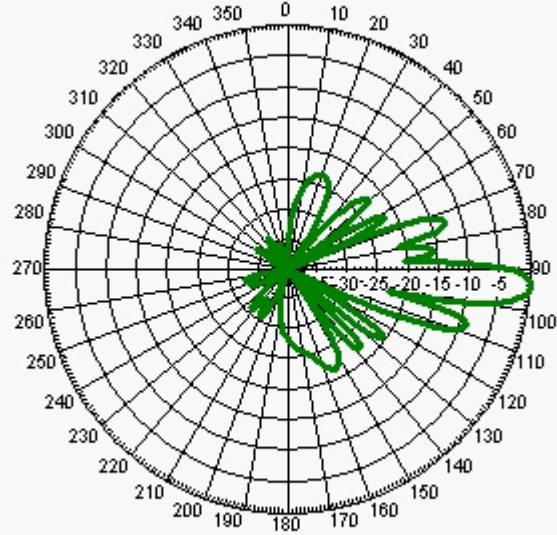
DECIBEL®
Base Station Antennas

AZIMUTH PATTERN

ELEVATION PATTERN



Freq: 860 MHz, Tilt: 4



Freq: 860 MHz, Tilt: 4