



DB848F65E-SX

Directed Dipole Antenna

DECIBEL®
Base Station Antennas

- Exceptional azimuth roll-off reducing soft hand-offs and improving capacity
- Strong null filling for below horizon RF penetration
- Extremely rugged, reliable design yet lightweight for low tower loading
-

ELECTRICAL

Frequency (MHz) :	806 - 896
Polarization :	Vertical
Gain (dBd/dBi) :	15/17.1
Azimuth BW (Deg.):	65
Elevation BW (Deg.):	9
Beam Tilt (Deg.):	0
USLS* (dB) :	>18
Null Fill (dB) :	<15
Front-To-Back Ratio* (dB) :	40
VSWR :	<1.5:1
Max. Input Power (Watts) :	500
Impedance (Ohms) :	50
Lightning Protection :	DC Ground

MECHANICAL

Weight :	17.6 kg (39 lb)
Dimensions (LxWxD) :	2,438 x 521 x 229 mm (96 x 20.5 x 9 in)
Max. Wind Area :	0.69 m ² (7.4 ft ²)
Max. Wind Load (@ 100 mph) :	1,814.7 N (408 lbf)
Max. Wind Speed :	201 km/h (125 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





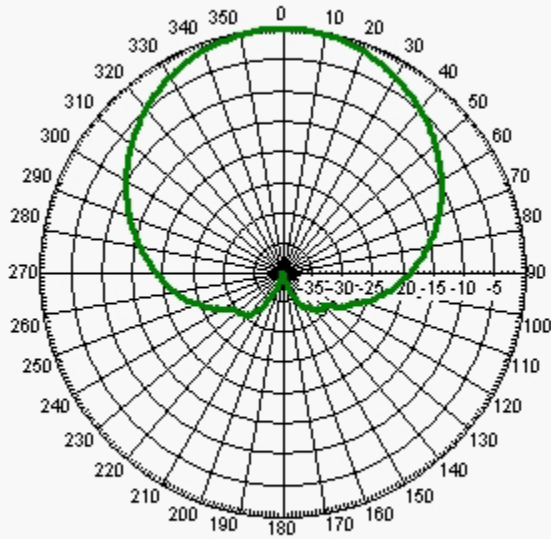
DB848F65E-SX

Directed Dipole Antenna

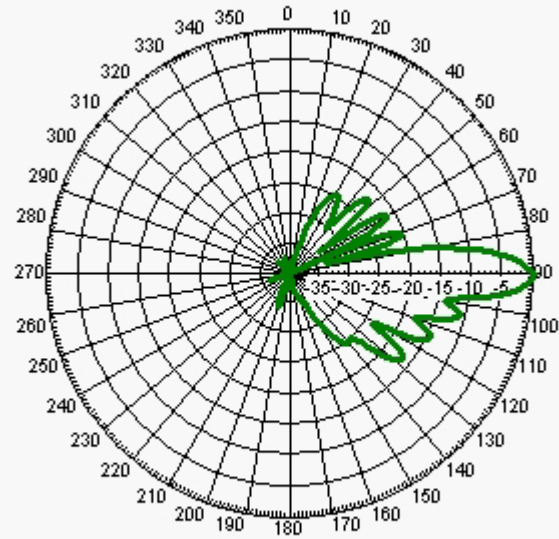
DECIBEL®
Base Station Antennas

AZIMUTH PATTERN

ELEVATION PATTERN



Freq: 820 MHz, Tilt: 0



Freq: 820 MHz, Tilt: 0