



ADFD1820-3333B-XDM

DualPol® Quad Antenna

**DualPol®
Teletilt®**

- Provides two independent antennas under one radome for air combining
- Each antenna is independently capable of field adjustable electrical down tilt
- Fully compatible with Andrew Teletilt® remote antenna control system.
-

ELECTRICAL

Frequency (MHz) :	1710 - 1880	1850 - 1990	1920 - 2170
Polarization :	±45°	±45°	±45°
Gain (dBd/dBi) :	18/20.1	18.3/20.4	18.5/20.6
Azimuth BW (Deg.):	35	33	31
Elevation BW (Deg.):	7	6.5	6
Beam Tilt (Deg.):	0-7	0-7	0-7
USLS* (dB) :	15	15	17
Front-To-Back Ratio* (dB) :	40	40	40
Isolation (dB) :	>30	>30	>30
VSWR :	<1.5:1	<1.5:1	<1.5:1
PIM3 @ 2 x 20w (dBc) :	-150	-150	-150
Max. Input Power (Watts) :	200	200	200
Impedance (Ohms) :	50	50	50
Lightning Protection :	DC Ground	DC Ground	DC Ground

MECHANICAL

Weight :	17.2 kg (38 lb)
Dimensions (LxWxD) :	1,448 x 564 x 127 mm (57 x 22.2 x 5 in)
Max. Wind Area :	0.43 m ² (4.6 ft ²)
Max. Wind Load (@ 100 mph) :	1,152.0 N (259 lbf)
Max. Wind Speed :	201 km/h (125 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (4, Bottom)
Color :	Off White
Standard Mounting Hardware :	DB380
Standard Downtilt	
Mounting Hardware :	DB5083



RET Ordering Information

Field Installed:	ADFD1820-3333B-XDM
Factory Installed, ATM200 Series:	ADFD1820-33B-R2DM

Andrew Corporation
2601 Telecom Parkway
Richardson, Texas U.S.A 75082-3521
Tel: 214.631.0310

Fax: 214.631.4706
Toll Free Tel: 1.800.676.5342
Fax: 1.800.229.4706
www.andrew.com

* - Indicates Typical
8/16/2007
dbtech@andrew.com

Information correct at date of issue but may be subject to change without notice.



ADFD1820-3333B-XDM

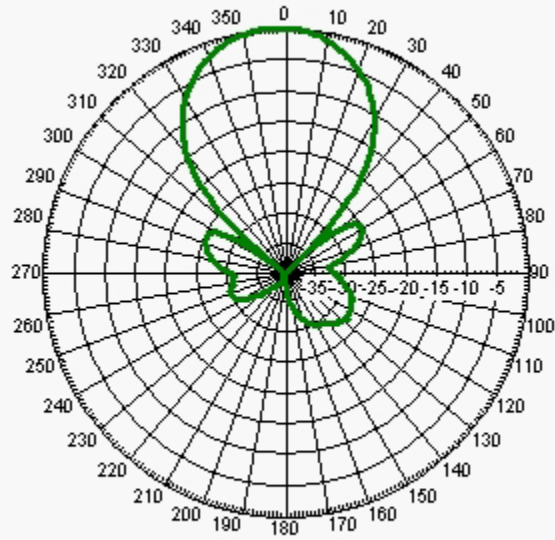
DualPol® Quad Antenna

DualPol®

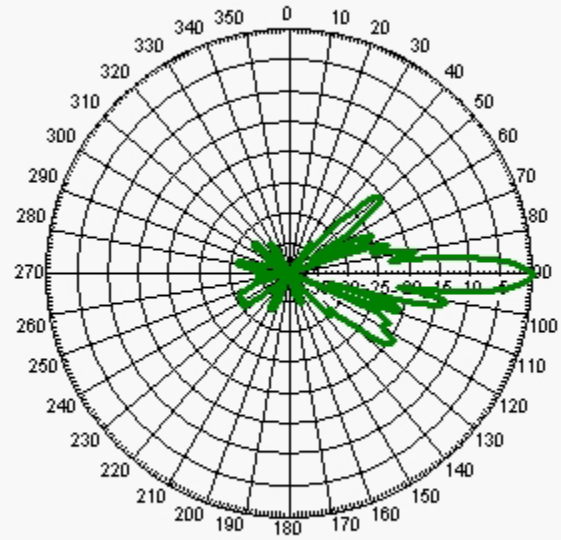
Teletilt®

AZIMUTH PATTERN

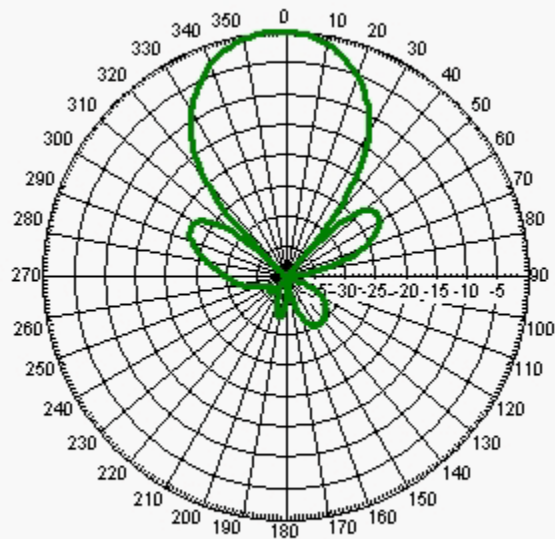
ELEVATION PATTERN



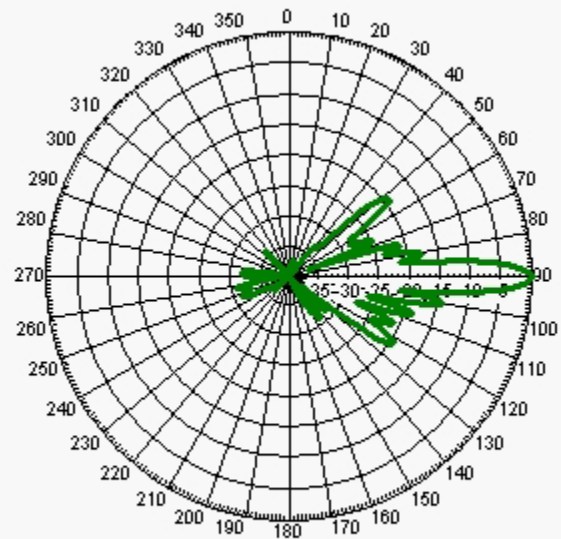
Freq: 1855 MHz, Tilt: 0



Freq: 1855 MHz, Tilt: 0



Freq: 1950 MHz, Tilt: 0



Freq: 1950 MHz, Tilt: 0

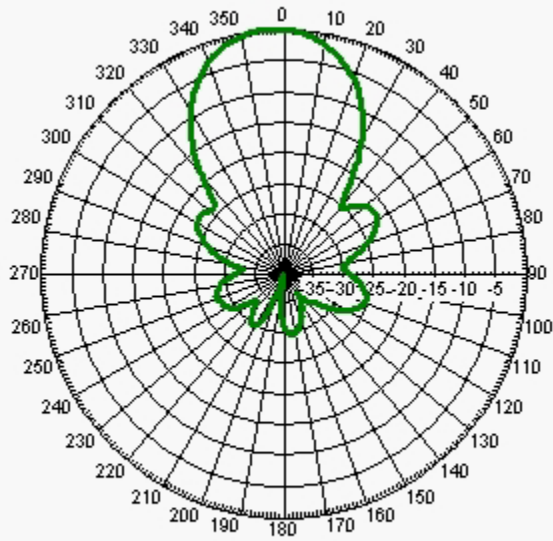


ADFD1820-3333B-XDM

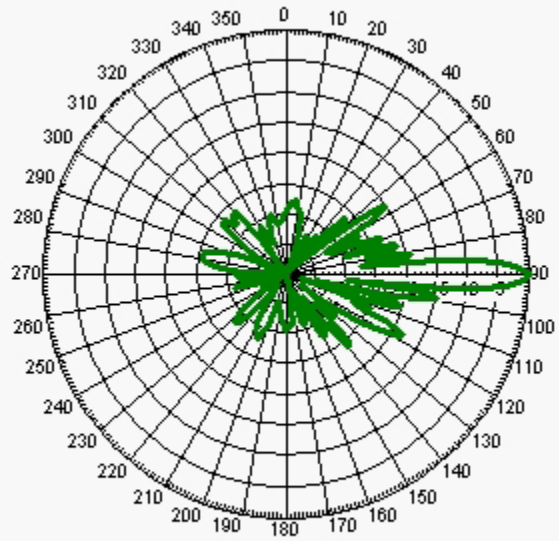
DualPol® Quad Antenna

DualPol®

Teletilt®



Freq: 2110 MHz, Tilt: 0



Freq: 2110 MHz, Tilt: 0