



# LBV-4515LS-VTM

Directed Dipole Antenna

**Decibel®**  
Base Station Antennas

- Exceptional azimuth roll-off, reducing sector-to-sector interference and softer hand-offs
- Compatible with Teletilt Remote Control Variable Electrical Downtilt System
- Strong upper side lobe suppression
- Low profile appearance and low wind loading for easier zoning approvals

## ELECTRICAL

Frequency (MHz) :	806 - 896	870 - 960
Polarization :	Vertical	Vertical
Gain (dBd/dBi) :	14.2/16.3	14.7/16.8
Azimuth BW (Deg.):	45	42.5
Elevation BW (Deg.):	17.5	16.5
Beam Tilt (Deg.):	0-15	0-15
USLS* (dB) :	22	22
Front-To-Back Ratio* (dB) :	37	40
VSWR :	<1.4:1	<1.4:1
PIM3 @ 2 x 20w (dBc) :	-150	-150
Max. Input Power (Watts) :	300	300
Impedance (Ohms) :	50	50
Lightning Protection :	DC Ground	DC Ground



## MECHANICAL

Weight :	9.0 kg (20 lb)
Dimensions (LxWxD) :	1,240 x 376 x 213 mm (48.8 x 14.8 x 8.4 in)
Max. Wind Area :	0.47 m <sup>2</sup> (5.1 ft <sup>2</sup> )
Max. Wind Load (@ 100 mph) :	515.9 N (116 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (1, Bottom)
Color :	Light Gray
Standard Mounting Hardware :	DB380
Standard Downtilt Mounting Hardware :	DB5083
WeatherShield™ Enclosure: (Must order separately)	AWE-A12

## RET Ordering Information

Field Installed:	LBV-4515LS-VTM
Factory Installed, ATM200 Series:	LBV-4515LS-R2M

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  
3/20/2007  
dbtech@andrew.com

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



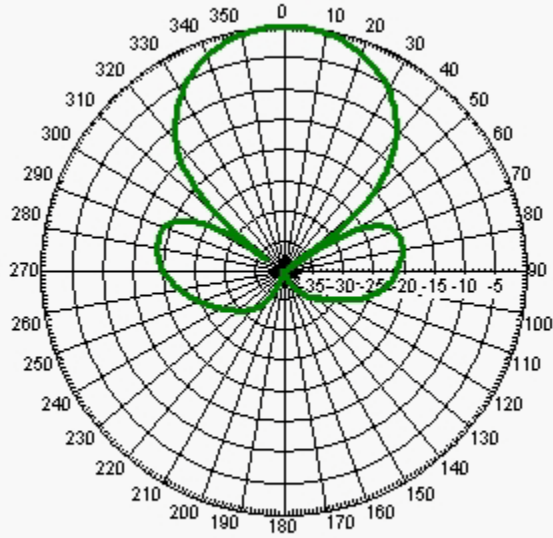
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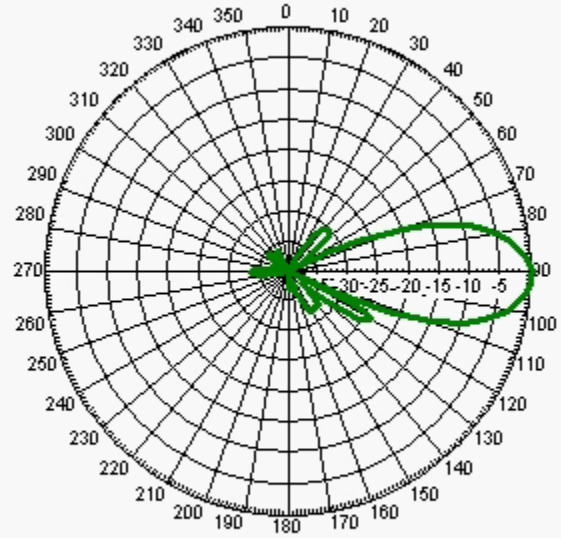
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## AZIMUTH PATTERN

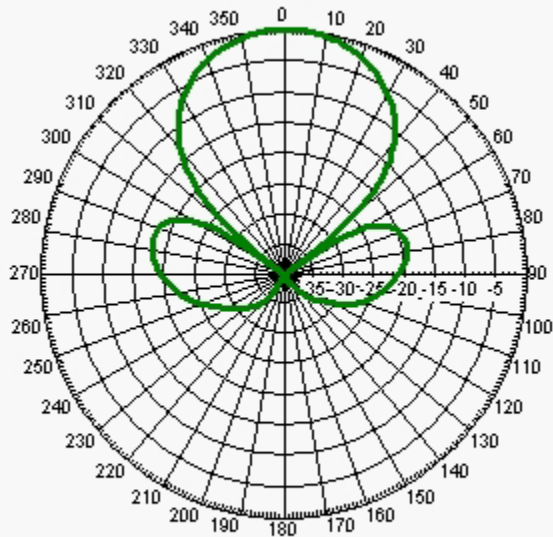
## ELEVATION PATTERN



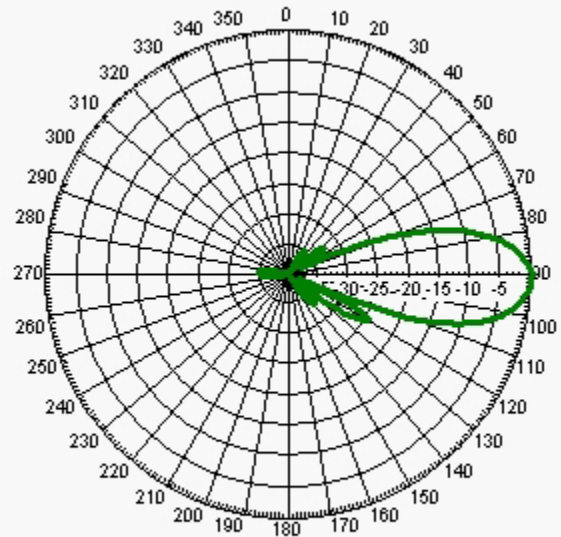
Freq: 850 MHz, Tilt: 0



Freq: 850 MHz, Tilt: 0



Freq: 940 MHz, Tilt: 0



Freq: 940 MHz, Tilt: 0