



# CSH-6516A-VT

DualPol® Three Sector Antenna

**DualPol®**  
**Micro AcCELLerator™**  
**Teletilt®**

- Three independent XPol antennas in a single antenna system
- Each antenna allows for control of independent beam tilting to optimize each sector
- Total antenna system is less than 201mm (7.9in.) in diameter
- Fully compatible with Andrew Teletilt® remote control antenna system

## ELECTRICAL

Frequency (MHz) :	1710 - 1880	1850 - 1990	1920 - 2180
Polarization :	±45°	±45°	±45°
Gain (dBd/dBi) :	15/17.1	15.3/17.4	15.5/17.6
Azimuth BW (Deg.):	65	63	61
Elevation BW (Deg.):	7.5	7	6.7
Beam Tilt (Deg.):	2-10	2-10	2-10
USLS* (dB) :	16	16	16
Front-To-Back Ratio* (dB) :	28	28	26
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 :	21.0 kg (46.5 lb)
Dimensions (LxUO) :	1,989 x 201 mm (78.3 x 7.9 in)
Max. Wind Area :	0.13 m² (1.4 ft²)
Max. Wind Load (@ 100 mph) :	350.0 N (78.7 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Integrated Flange
Connector Type :	7-16 DIN - Female (6, Bottom)
Color :	Light Gray



## RET Ordering Information

Field Installed:	CSH-6516A-VT
Factory Installed, ATM200 Series:	CSH-6516A-R2

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  
5/22/2007  
dbtech@andrew.com

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



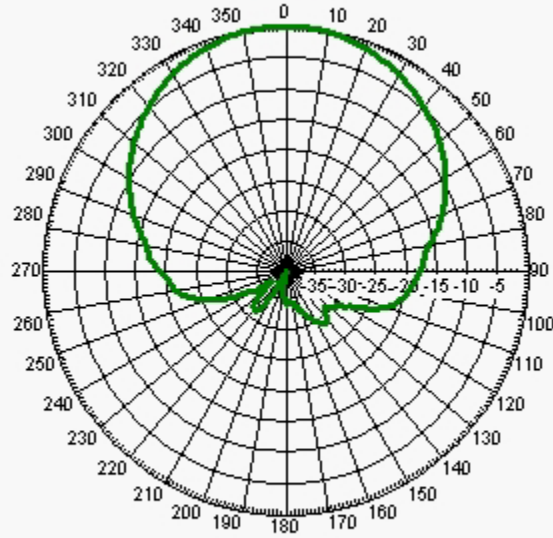
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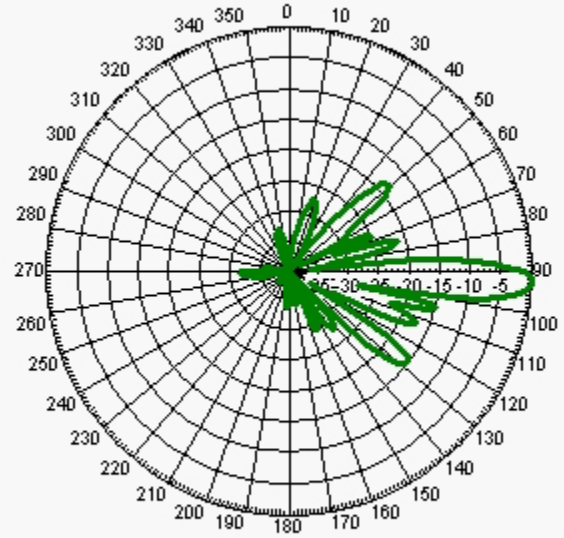
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## AZIMUTH PATTERN

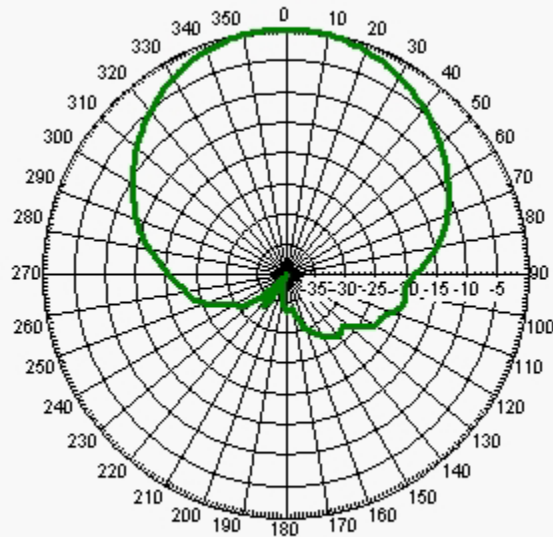
## ELEVATION PATTERN



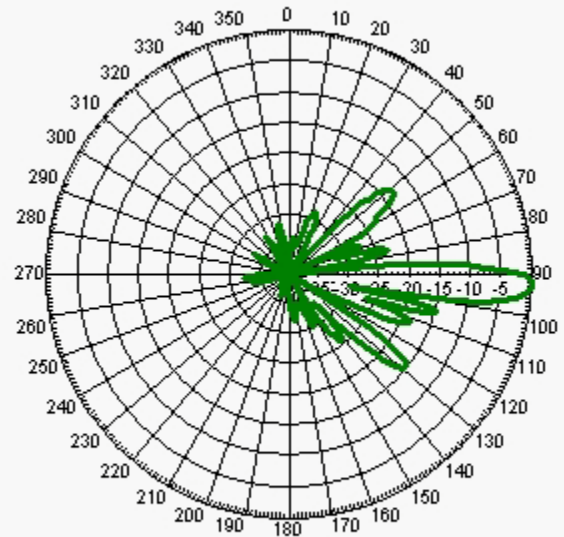
Freq: 1785 MHz, Tilt: 2



Freq: 1785 MHz, Tilt: 2



Freq: 1920 MHz, Tilt: 2



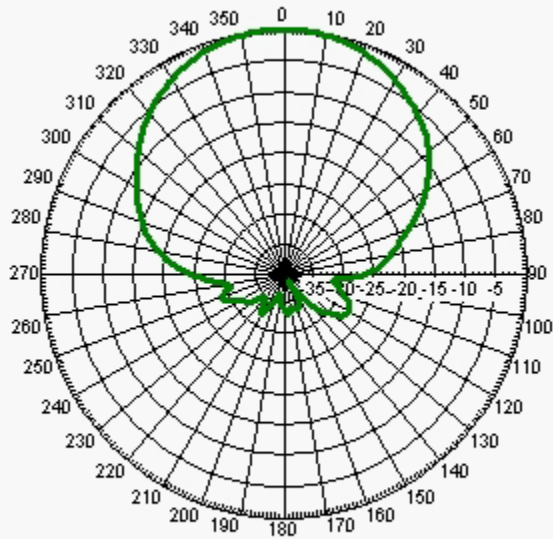
Freq: 1920 MHz, Tilt: 2



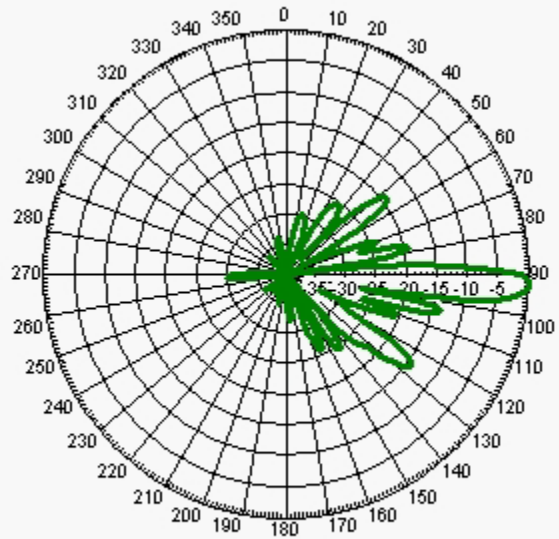
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Freq: 2110 MHz, Tilt: 2



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