



HBXX-6516DS-VTM

DualPol® Quad Antenna

Decibel®
Base Station Antennas

- Provides two independent dual pol antennas under one radome
- Provides continuous wideband coverage
- 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 - 2180
Polarization :	±45°	±45°	±45°
Gain (dBd/dBi) :	15.6/17.7	15.9/18	15.9/18
Azimuth BW (Deg.):	67	65	63
Elevation BW (Deg.):	7.5	7	6.5
Beam Tilt (Deg.):	0-10	0-10	0-10
USLS* (dB) :	18	18	18
Front-To-Back Ratio* (dB) :	30	30	30
Isolation (dB) :	>30	>30	>30
VSWR :	<1.4:1	<1.4:1	<1.4:1
PIM3 @ 2 x 20w (dBc) :	-153	-153	-153
Max. Input Power (Watts) :	250	250	250
Impedance (Ohms) :	50	50	50
Lightning Protection :	DC Ground	DC Ground	DC Ground

MECHANICAL

Weight :	13.8 kg (30.6 lb)
Dimensions (LxWxD) :	1,293 x 305 x 165 mm (50.9 x 12 x 6.5 in)
Max. Wind Area :	0.18 m ² (1.9 ft ²)
Max. Wind Load (@ 100 mph) :	401.6 N (90.3 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (4, Bottom)
Color :	Light Gray
Standard Mounting Hardware :	600899A-2



RET Ordering Information

Field Installed:	HBXX-6516DS-VTM
Factory Installed, ATM200 Series:	HBXX-6516DS-R2M

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2601 Telecom Parkway
Richardson, Texas U.S.A 75082-3521
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* - Indicates Typical
3/23/2007
dbtech@andrew.com

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



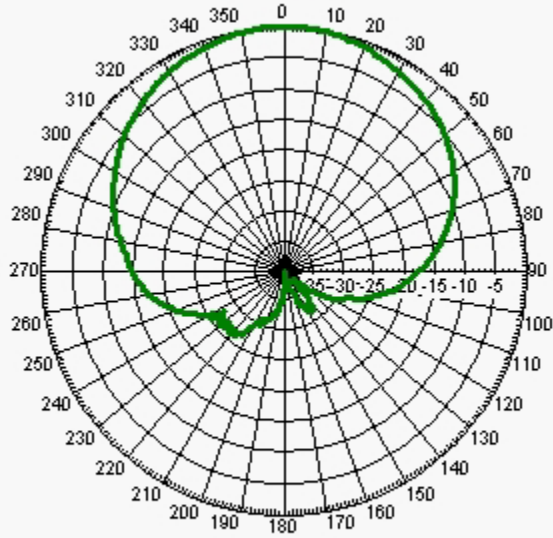
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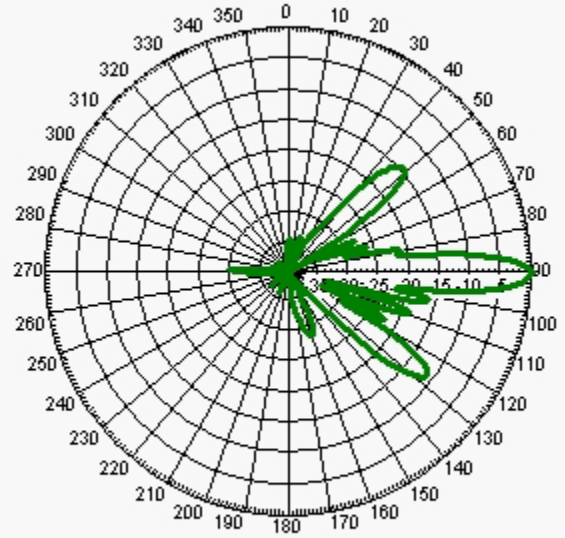
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AZIMUTH PATTERN

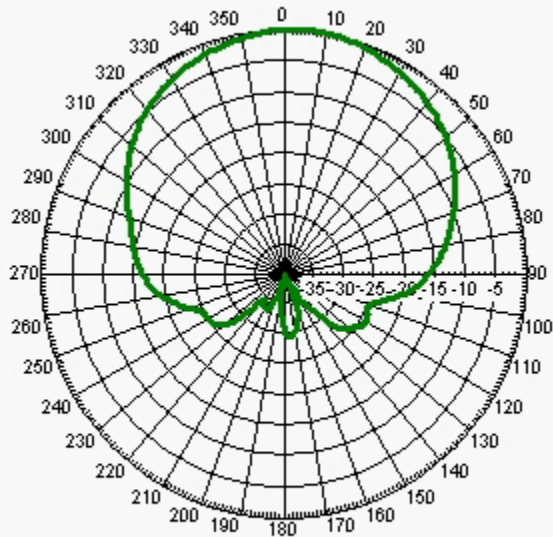
ELEVATION PATTERN



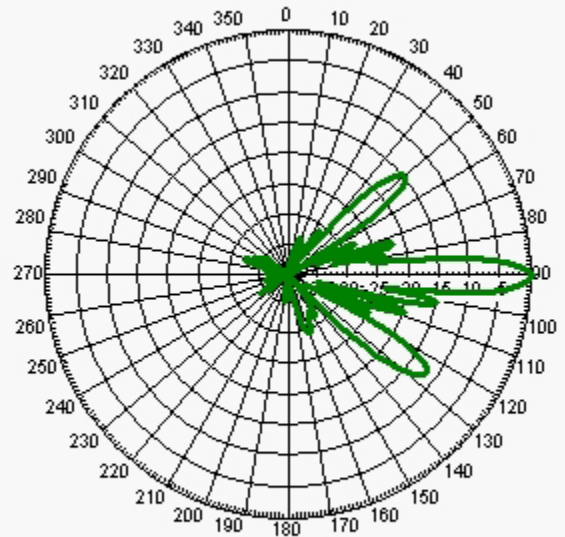
Freq: 1785 MHz, Tilt: 0



Freq: 1785 MHz, Tilt: 0



Freq: 1910 MHz, Tilt: 0



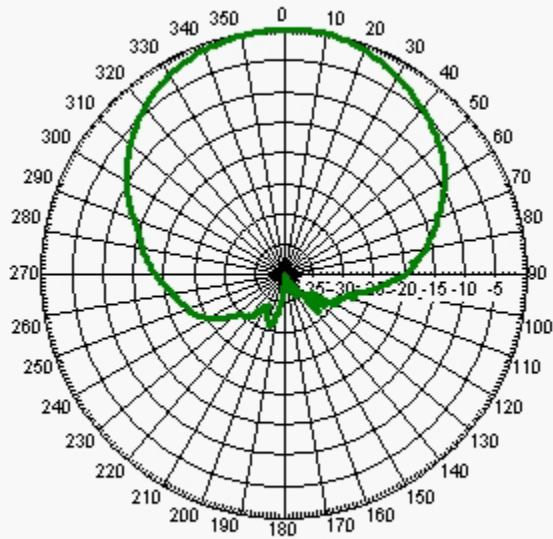
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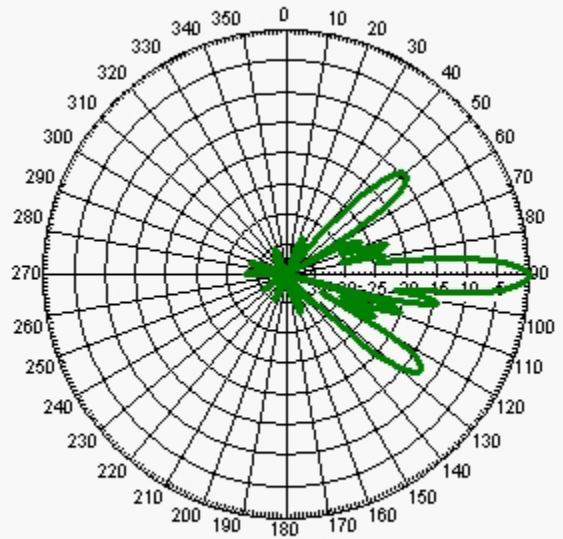
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Freq: 2110 MHz, Tilt: 0



Freq: 2110 MHz, Tilt: 0