

# Product Specifications



## DBXLH-6565D-VTM

DualPol® Dual Band Antenna, 824–960 MHz and 1710–2180 MHz, 65° horizontal beamwidth, RET compatible variable electrical tilt



- Two DualPol® antennas under one radome
- Interleaved dipole technology providing for attractive, low wind load mechanical package
- Each antenna is independently capable of field adjustable electrical tilt
- Fully compatible with Andrew Teletilt® remote control system
- Optimized for 3G application in the 800 and 900 MHz bands with exceptional sidelobe suppression

## CHARACTERISTICS

### General Specifications

Antenna Type	DualPol® dual band
Brand	DualPol®   Teletilt®
Operating Frequency Band	1710 – 2180 MHz   824 – 960 MHz

### Electrical Specifications

Frequency Band, MHz	824–896	870–960	1710–1880	1850–1990	1920–2180
Beamwidth, Horizontal, degrees	69	65	65	65	63
Gain, dBd	13.5	14.0	15.8	15.9	15.6
Gain, dBi	15.6	16.1	17.9	18.0	17.7
Beamwidth, Vertical, degrees	9.0	9.0	4.8	4.6	4.4
Beam Tilt, degrees	0–11	0–11	0–6	0–6	0–6
Upper Sidelobe Suppression (USLS), typical, dB	15	15	15	15	15
Front-to-Back Ratio at 180°, dB	25	25	30	30	30
Isolation, dB	30	30	30	30	30
VSWR   Return Loss, db	1.4:1   15.6	1.5:1   14.0	1.5:1   14.0	1.5:1   14.0	1.5:1   14.0
Intermodulation Products, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150
Input Power, maximum, watts	300	300	250	250	250
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance, ohms	50	50	50	50	50
Lightning Protection	dc Ground	dc Ground	dc Ground	dc Ground	dc Ground

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## Mechanical Specifications

Color	Gray
Connector Interface	7-16 DIN Female
Connector Location	Bottom
Connector Quantity	4
Wind Loading, maximum	913.7 N @ 100 mph 205.4 lbf @ 100 mph
Wind Speed, maximum	201.0 km/h   124.9 mph

## Dimensions

Depth	132.0 mm   5.2 in
Length	2250.0 mm   88.6 in
Width	269.0 mm   10.6 in
Net Weight	21.5 kg   47.4 lb

## Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 1.1 Actuator	DBXLH-6565D-R2M
Model with Factory Installed AISG 2.0 Actuator	DBXLH-6565D-A2M
RET System	Teletilt®

## Regulatory Compliance/Certifications

### Agency

RoHS 2002/95/EC  
China RoHS SJ/T 11364-2006

### Classification

## INCLUDED PRODUCTS



### 600899A-2

Downtilt Mounting Kit for 4.5 in (114.3 mm) OD round members

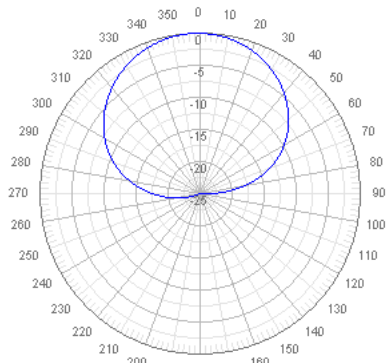
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DBXLH-6565D-VTM

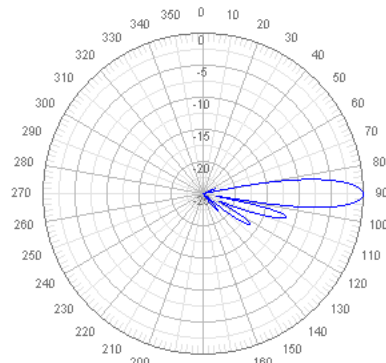


## Horizontal Pattern

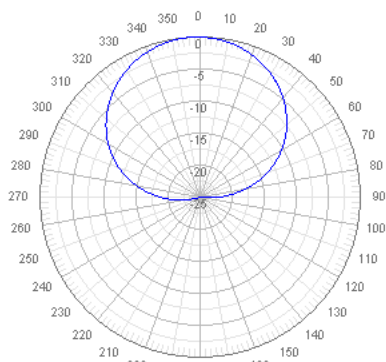
## Vertical Pattern



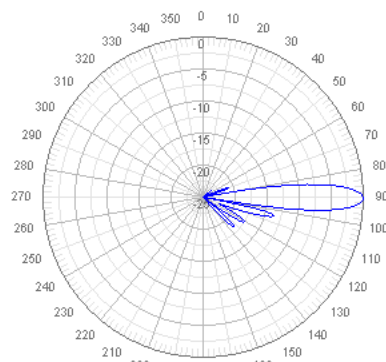
Freq: 850 MHz, Tilt: 0°



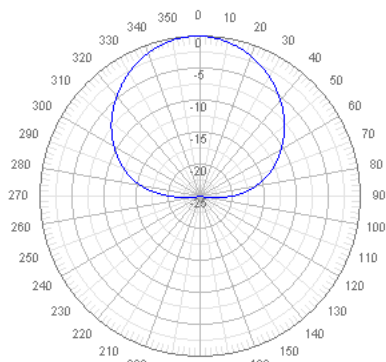
Freq: 850 MHz, Tilt: 0°



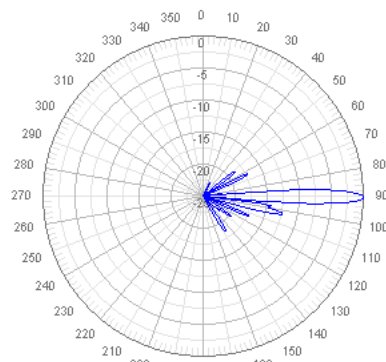
Freq: 935 MHz, Tilt: 0°



Freq: 935 MHz, Tilt: 0°



Freq: 1785 MHz, Tilt: 0°



Freq: 1785 MHz, Tilt: 0°

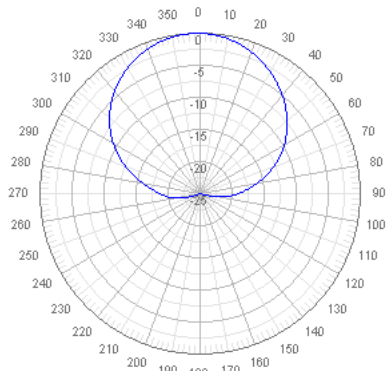
[www.commscope.com/andrew](http://www.commscope.com/andrew)

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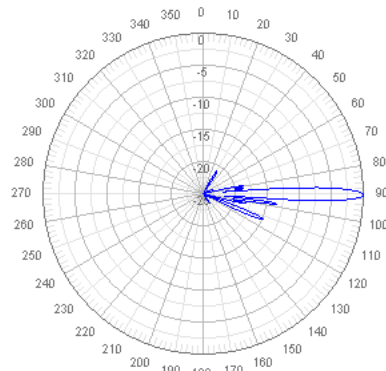
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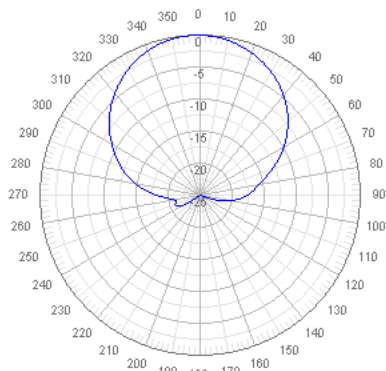
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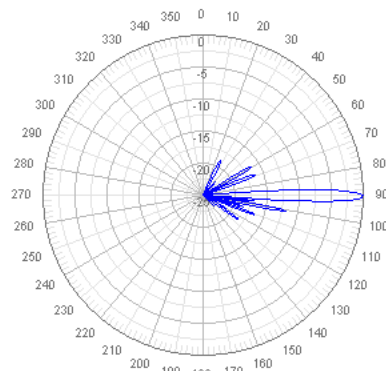
Freq: 1920 MHz, Tilt: 0°



Freq: 1920 MHz, Tilt: 0°



Freq: 2110 MHz, Tilt: 0°



Freq: 2110 MHz, Tilt: 0°