

Product Specifications



DBXLH-6565EC-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
- Patented split dipole technology
- Each antenna is independently capable of field adjustable electrical tilt
- Fully compatible with Andrew Teletilt® remote control system
- Engineered to provide the same vertical beamwidth on each service for capacity optimization

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	67	63	64	60
Gain, dBd	14.3	14.9	14.7	14.8	14.9
Gain, dBi	16.4	17.0	16.8	16.9	17.0
Beamwidth, Vertical, degrees	7.8	7.2	7.4	6.8	6.4
Beam Tilt, degrees	2–10	2–10	2–10	2–10	2–10
Upper Sidelobe Suppression (USLS), typical, dB	17	17	16	16	16
Front-to-Back Ratio at 180°, dB	26	28	32	32	32
Isolation, dB	30	30	30	30	30
VSWR Return Loss, db	1.5:1 14.0	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	200	200	200
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	Light gray
Connector Interface	7-16 DIN Female
Connector Location	Bottom
Connector Quantity	4
Wind Loading, maximum	1067.6 N @ 100 mph 240.0 lbf @ 100 mph
Wind Speed, maximum	201.0 km/h 124.9 mph

Dimensions

Depth	132.0 mm 5.2 in
Length	2574.0 mm 101.3 in
Width	269.0 mm 10.6 in
Net Weight	24.2 kg 53.4 lb

Remote Electrical Tilt (RET) Information

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

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)



INCLUDED PRODUCTS



600899A-2

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

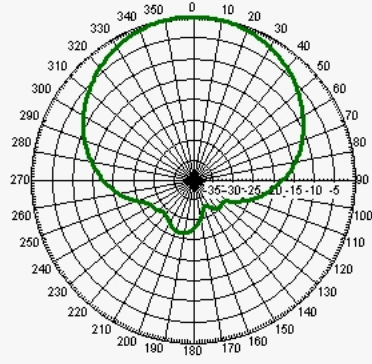
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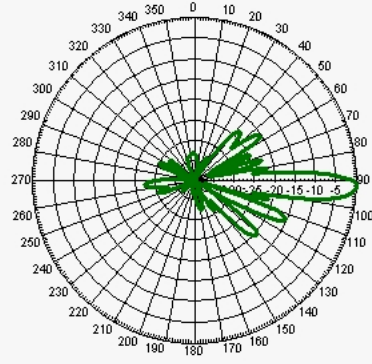


Horizontal Pattern

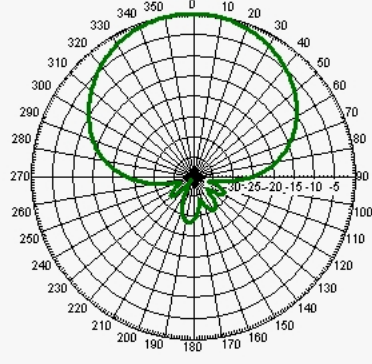
Vertical Pattern



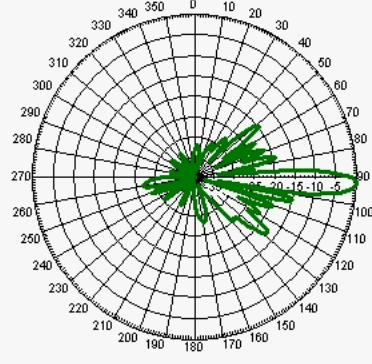
Freq: 850 MHz, Tilt: 2



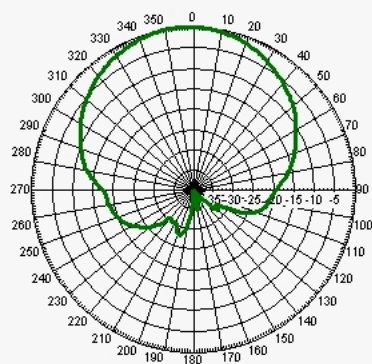
Freq: 850 MHz, Tilt: 2



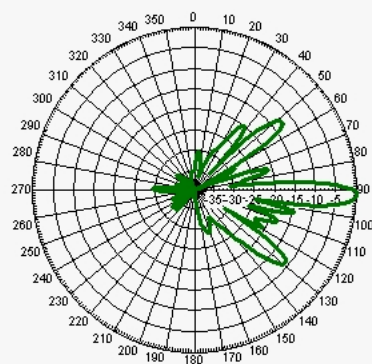
Freq: 935 MHz, Tilt: 2



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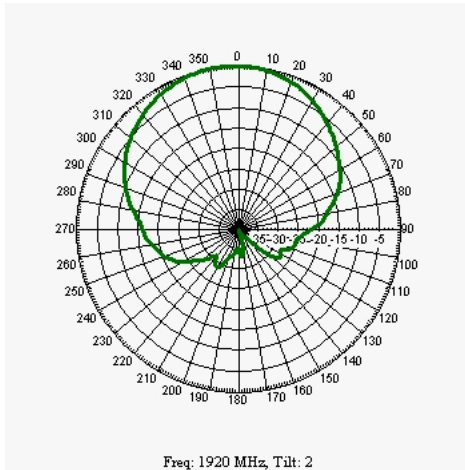
Freq: 1785 MHz, Tilt: 2



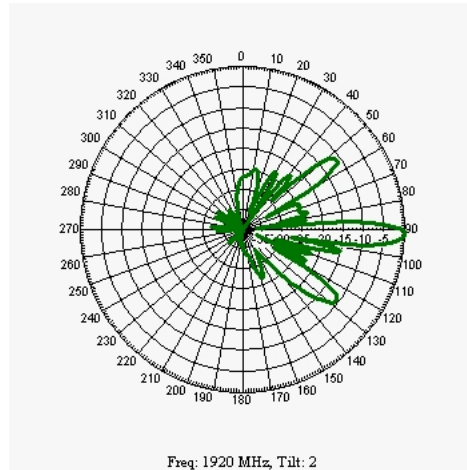
Freq: 1785 MHz, Tilt: 2

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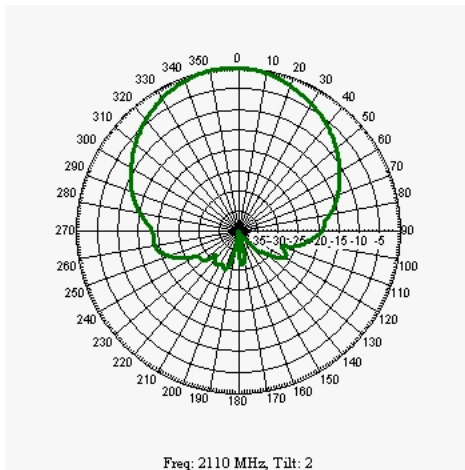
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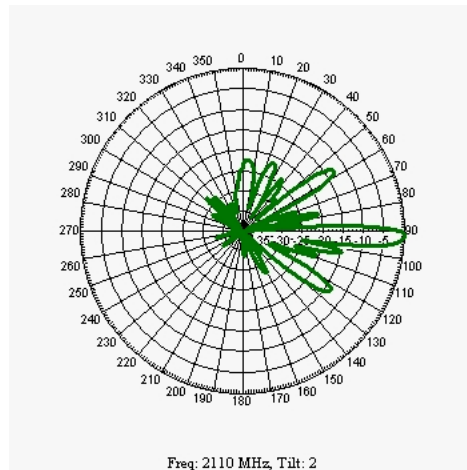
Freq: 1920 MHz, Tilt: 2



Freq: 1920 MHz, Tilt: 2



Freq: 2110 MHz, Tilt: 2



Freq: 2110 MHz, Tilt: 2