

Product Specifications



DBXH2-6565A-VTM

DualPol® Dual Band Antenna, 1710–2180 MHz and 2300–2700 MHz, 65° horizontal beamwidth, RET compatible variable electrical tilt



- Two DualPol® antennas under one radome
- Supports 3G, WiMax, and LTE2.6 applications
- Each antenna is independently capable of field adjustable electrical tilt
- Fully compatible with Andrew remote electrical tilt system

CHARACTERISTICS

General Specifications

Antenna Type	DualPol® dual band
Brand	DualPol® Teletilt®
Operating Frequency Band	1710 – 2180 MHz 2300 – 2700 MHz

Electrical Specifications

Frequency Band, MHz	1710–1880	1850–1990	1920–2180	2300–2700
Beamwidth, Horizontal, degrees	65	65	63	64
Gain, dBd	15.2	15.2	15.4	15.3
Gain, dBi	17.3	17.3	17.5	17.4
Beamwidth, Vertical, degrees	7.9	7.3	6.8	6.3
Beam Tilt, degrees	0–10	0–10	0–10	0–10
Upper Sidelobe Suppression (USLS), typical, dB	18	18	18	16
Front-to-Back Ratio at 180°, dB	30	32	32	32
Isolation, dB	30	30	30	30
VSWR Return Loss, db	1.4:1 15.6	1.4:1 15.6	1.4:1 15.6	1.4:1 15.6
Intermodulation Products, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150
Input Power, maximum, watts	250	250	250	250
Polarization	±45°	±45°	±45°	±45°
Impedance, ohms	50	50	50	50
Lightning Protection	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	525.2 N @ 100 mph 118.1 lbf @ 100 mph
Wind Speed, maximum	241.4 km/h 150.0 mph

Dimensions

Depth	100.0 mm 3.9 in
Length	1255.0 mm 49.4 in
Width	300.0 mm 11.8 in
Net Weight	11.8 kg 26.0 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 1.1 Actuator	DBXH2-6565A-R2M
RET System	Teletilt®

Regulatory Compliance/Certifications

Agency

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

Classification

Compliant by Exemption
Above Maximum Concentration Value (MCV)



Included Products

600899F

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

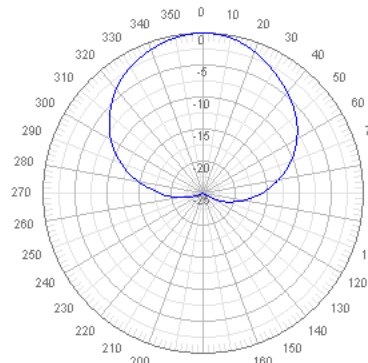
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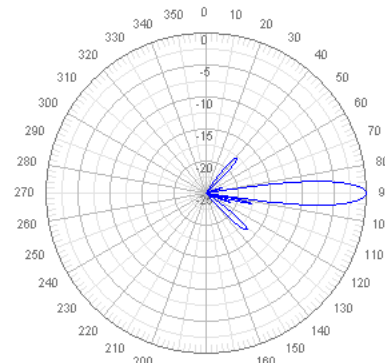


Horizontal Pattern

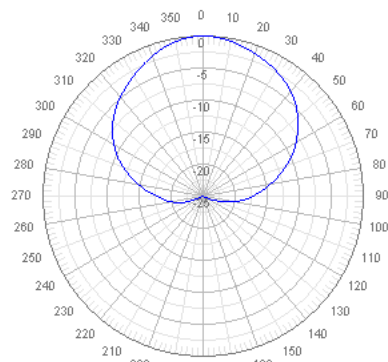
Vertical Pattern



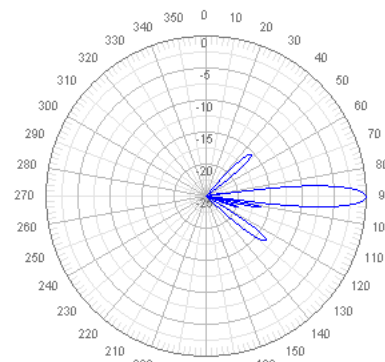
Freq: 1785 MHz, Tilt: 0°



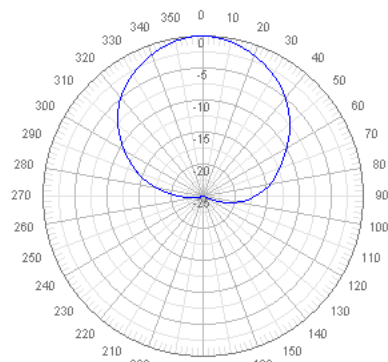
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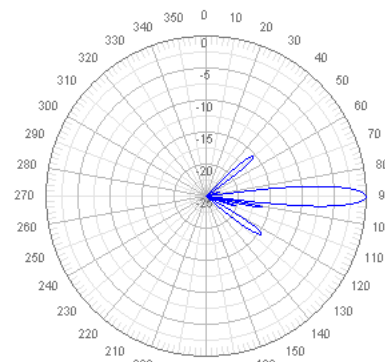
Freq: 1920 MHz, Tilt: 0°



Freq: 1920 MHz, Tilt: 0°



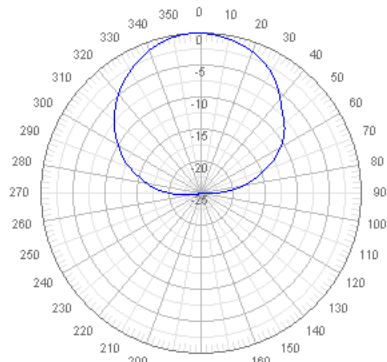
Freq: 2110 MHz, Tilt: 0°



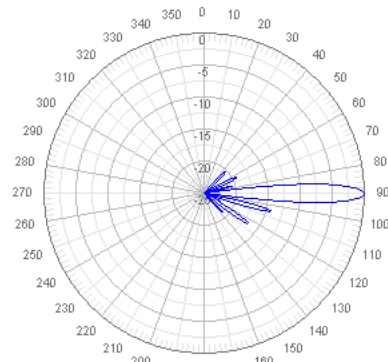
Freq: 2110 MHz, Tilt: 0°

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Freq: 2500 MHz, Tilt: 0°



Freq: 2500 MHz, Tilt: 0°