

Product Specifications



TBXLHA-6565B-VTM

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



- Three 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
- Tri-band with one band at 806–960 MHz and two bands at 1710–2180 MHz; three independent DualPol® antennas under one radome

CHARACTERISTICS

General Specifications

Antenna Type	DualPol® tri-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	69	63	60
Gain, dBd	13.4	13.9	13.3	13.3	13.1
Gain, dBi	15.5	16.0	15.4	15.4	15.2
Beamwidth, Vertical, degrees	9.6	9.2	9.4	9.0	8.5
Beam Tilt, degrees	0–11	0–11	0–10	0–10	0–10
Upper Sidelobe Suppression (USLS), typical, dB	15	15	15	15	15
Front-to-Back Ratio at 180°, dB	25	25	28	30	28
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	Light gray
Connector Interface	7-16 DIN Female
Connector Location	Bottom
Connector Quantity	6
Wind Loading, maximum	793.2 N @ 150 km/h 178.3 lbf @ 150 km/h
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	21.7 kg 47.8 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 1.1 Actuator	TBXLHA-6565B-R2M
Model with Factory Installed AISG 2.0 Actuator	TBXLHA-6565B-A3M
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

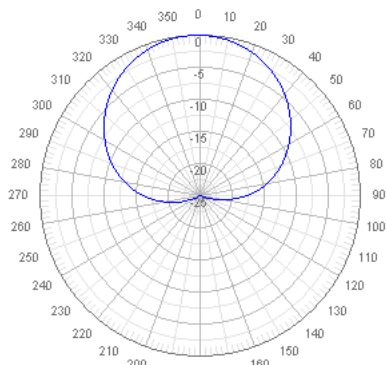
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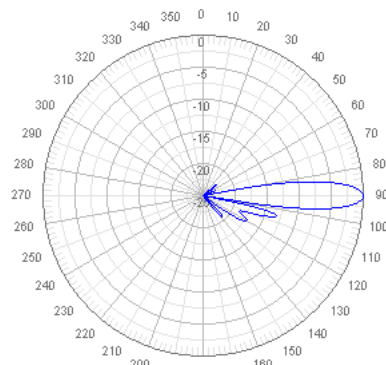


Horizontal Pattern

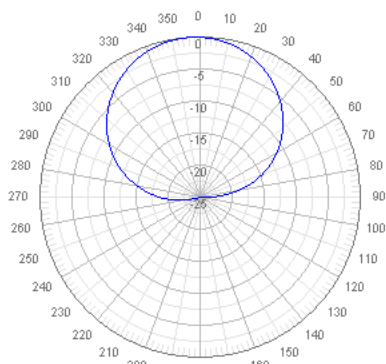
Vertical Pattern



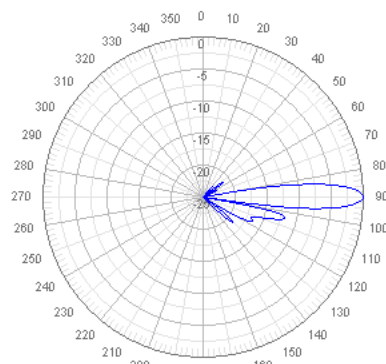
Freq: 850MHz, Tilt: 0°



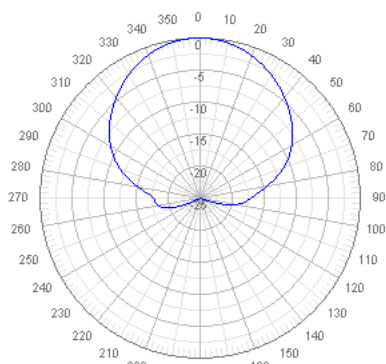
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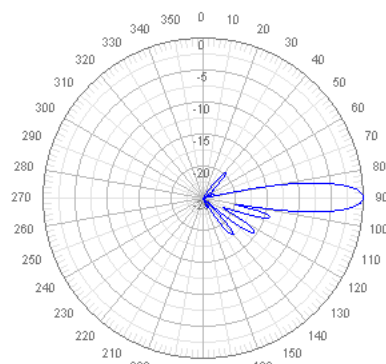
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Freq: 935MHz, Tilt: 0°



Freq: 1785MHz, Tilt: 0°



Freq: 1785MHz, Tilt: 0°

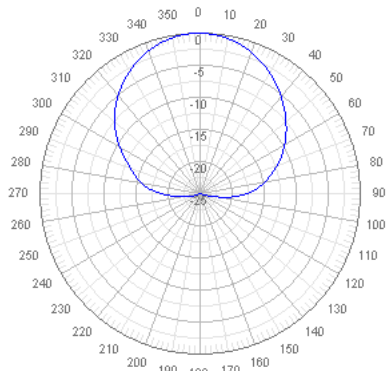
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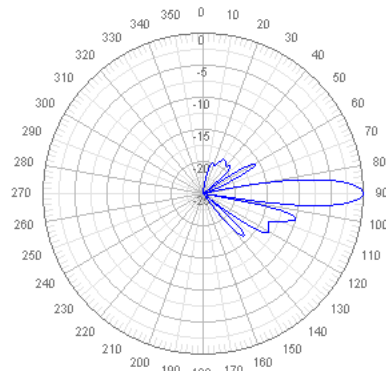
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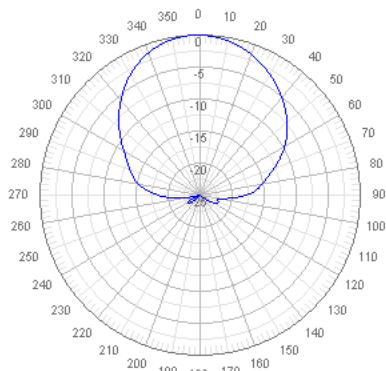
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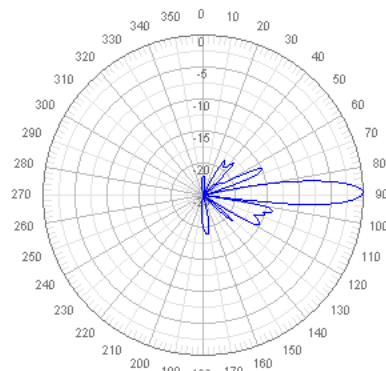
Freq: 1920MHz, Tilt: 0°



Freq: 1920MHz, Tilt: 0°



Freq: 2110MHz, Tilt: 0°



Freq: 2110MHz, Tilt: 0°