



DBXCP-4545A-VTM

Andrew® Dual Band Teletilt® Antenna, 824–896 MHz and 1850–1990 MHz, 45° horizontal beamwidth, RET compatible

- Interleaved dipole technology providing for attractive, low wind load mechanical package
- Ideal for high gain corridor coverage or capacity optimization

OBSOLETE

This product was discontinued on: May 31, 2014

Replaced By

SBNH-1D4545A

Andrew® Dual Band One Degree of Freedom SmartBeam® Antenna, 698–896 MHz and 1710–2180 MHz, 45° horizontal beamwidth, RET compatible

Electrical Specifications

Frequency Band, MHz	824–896	1850–1990
Gain, dBi	14.9	18.0
Beamwidth, Horizontal, degrees	45	44
Beamwidth, Vertical, degrees	16.5	7.0
Beam Tilt, degrees	0–16	0–10
USLS, typical, dB	15	16
Front-to-Back Ratio at 180°, dB	25	35
Isolation, dB	25	30
VSWR Return Loss, dB	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port, maximum, watts	500	300
Polarization	±45°	±45°
Impedance	50 ohm	50 ohm

General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol® multiband
Band	Multiband
Brand	DualPol® Teletilt®
Operating Frequency Band	1850 – 1990 MHz 824 – 896 MHz
Performance Note	Outdoor usage

Mechanical Specifications

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Brass Low loss circuit board
Radome Material	ABS, UV resistant
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, total	4
Wind Area, maximum	0.2 m² 2.3 ft²
Wind Loading, maximum	586.4 N @ 150 km/h 131.8 lbf @ 150 km/h

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Wind Speed, maximum 241 km/h | 150 mph

Dimensions

Depth	143.0 mm 5.6 in
Length	1307.0 mm 51.5 in
Width	388.0 mm 15.3 in
Net Weight	13.6 kg 30.0 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 1.1 Actuator DBXCP-4545A-R2M

Model with Factory Installed AISG 2.0 Actuator DBXCP-4545A-A2M

RET System Teletilt®

Packed Dimensions

Depth	308.0 mm 12.1 in
Length	1664.0 mm 65.5 in
Width	537.0 mm 21.1 in
Shipping Weight	22.8 kg 50.2 lb

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU

China RoHS SJ/T 11364-2006

ISO 9001:2008

Classification

Compliant by Exemption

Above Maximum Concentration Value (MCV)

Designed, manufactured and/or distributed under this quality management system



Included Products

DB380 — Pipe Mounting Kit for 2.4"-4.5" (60-115mm) OD round members on wide panel antennas. Includes 2 clamp sets and double nuts.

DB5083 — Downtilt Mounting Kit for 2.4"-4.5" (60 - 115 mm) OD round members. Includes a heavy-duty, galvanized steel downtilt mounting bracket assembly and associated hardware. This kit is compatible with the DB380 pipe mount kit for panel antennas that are equipped with two mounting brackets.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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