



HBX-4517DS-VTM

DualPol® Teletilt® Antenna, 1710–2170 MHz, 45° horizontal beamwidth, RET compatible

- Ideal for high gain corridor coverage or capacity optimization
- Field adjustable electrical tilt
- Rugged, reliable design with excellent passive intermodulation suppression
- Fully compatible with Andrew Teletilt® remote control system

Electrical Specifications

Frequency Band, MHz	1710–1880	1850–1990	1920–2170
Beamwidth, Horizontal, degrees	45	45	41
Gain, dBi	18.7	18.8	19.1
Beamwidth, Vertical, degrees	7.0	6.5	6.0
Beam Tilt, degrees	0–7	0–7	0–7
USLS, typical, dB	15	15	15
Front-to-Back Ratio at 180°, dB	30	30	30
Isolation, dB	30	30	30
VSWR Return Loss, db	1.5:1 14.0	1.5:1 14.0	1.5:1 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150
Input Power per Port, maximum, watts	350	350	350
Polarization	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm
Lightning Protection	dc Ground	dc Ground	dc Ground

Mechanical Specifications

Color Radome Material	Light gray PVC, UV resistant
Connector Interface Location Quantity	7-16 DIN Female Bottom 2
Wind Loading, maximum	465.5 N @ 150 km/h 104.6 lbf @ 150 km/h
Wind Speed, maximum	241.0 km/h 149.8 mph

Dimensions

Depth	132.0 mm 5.2 in
Length	1461.00 mm 57.52 in
Width	269.00 mm 10.59 in
Net Weight	12.70 kg 28.00 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 1.1 Actuator HBX-4517DS-R2M

Model with Factory Installed AISG 2.0 Actuator HBX-4517DS-A1M

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

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Included Products

600899A-2 — Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members

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Horizontal Pattern

Vertical Pattern

