

# HBXX-9014DS-VTM | HBXX-9014DS-A2M



4-port sector antenna, 4x 1710–2180 MHz, 90° HPBW, RET compatible

- Enhanced control of out-of-sector power improves co-channel interference, reduces softer hand-offs, improves capacity

This product will be discontinued on: December 31, 2025

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	PVC, UV resistant
<b>Radiator Material</b>	Low loss circuit board
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	4
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	0
<b>RF Connector Quantity, total</b>	4

## Remote Electrical Tilt (RET) Information

<b>Model with Factory Installed AISG 2.0 Actuator</b>	HBXX-9014DS-A2M
---	-----------------

## Dimensions

<b>Width</b>	305 mm   12.008 in
<b>Depth</b>	166 mm   6.535 in
<b>Length</b>	1297 mm   51.063 in
<b>Net Weight, without mounting kit</b>	13.5 kg   29.762 lb

# HBXX-9014DS-VTM | HBXX-9014DS-A2M

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1710 – 2180 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>1710–1880</b>	<b>1850–1990</b>	<b>1920–2180</b>
<b>Gain, dBi</b>	16	16	16.2
<b>Beamwidth, Horizontal, degrees</b>	88	88	88
<b>Beamwidth, Vertical, degrees</b>	7.5	7.1	6.7
<b>Beam Tilt, degrees</b>	0–10	0–10	0–10
<b>USLS (First Lobe), dB</b>	17	17	18
<b>Front-to-Back Ratio at 180°, dB</b>	30	30	30
<b>Isolation, Cross Polarization, dB</b>	30	30	30
<b>VSWR   Return loss, dB</b>	1.4   15.6	1.4   15.6	1.4   15.6
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150	-150
<b>Input Power per Port, maximum, watts</b>	350	350	350

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	420.0 N @ 150 km/h (94.4 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	113.0 N @ 150 km/h (25.4 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	488.0 N @ 150 km/h (109.7 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	409 mm   16.102 in
<b>Depth, packed</b>	292 mm   11.496 in
<b>Length, packed</b>	1609 mm   63.346 in
<b>Weight, gross</b>	22.1 kg   48.722 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value

# HBXX-9014DS-VTM | HBXX-9014DS-A2M

---

ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

- 600899A-2 – Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

## \* Footnotes

**Performance Note** Severe environmental conditions may degrade optimum performance

# 600899A-2



Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

## Product Classification

**Product Type** Downtilt mounting kit

## General Specifications

**Application** Outdoor

**Color** Silver

## Dimensions

**Compatible Diameter, maximum** 114.3 mm | 4.5 in

**Compatible Diameter, minimum** 61 mm | 2.402 in

**Weight, net** 3.9 kg | 8.598 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

**Weight, gross** 4.2 kg | 9.259 lb

## Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

600899A-2

---

