

This specification is OBSOLETE



W2X-901 3DS-VTM

Andrew® Antenna, 2300–2700 MHz, 90° horizontal beamwidth, RET compatible variable electrical tilt

- Field adjustable electrical tilt
- Fully compatible with Andrew Teletilt® remote control system
- Exceptional pattern shaping for optimizing coverage and minimizing co-site interference in WiMAX systems
- High front-to-back ratio aids in minimizing co-channel interference

OBSOLETE

This product was discontinued on: February 1, 2012

Electrical Specifications

Frequency Band, MHz	2300–2500	2500–2700
Gain, dBi	15.6	16.0
Beamwidth, Horizontal, degrees	90	90
Beamwidth, Vertical, degrees	7.5	7.5
Beam Tilt, degrees	0–10	0–10
USLS, typical, dB	20	20
Null Fill, dB	12	12
Front-to-Back Ratio at 180°, dB	34	34
Isolation, dB	30	30
VSWR Return Loss, dB	1.4 15.6	1.4 15.6
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port, maximum, watts	250	250
Polarization	±45°	±45°
Impedance	50 ohm	50 ohm
Lightning Protection	dc Ground	dc Ground

General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol®
Band	Single band
Brand	DualPol® Teletilt®
Operating Frequency Band	2300 – 2700 MHz

Mechanical Specifications

Color	Light gray
Connector Interface	7-16 DIN Female
Connector Location	Bottom
Connector Quantity, total	2
Lightning Protection	dc Ground
Radiator Material	Low loss circuit board
Radome Material	PVC, UV resistant

Product Specifications

COMMScope®

W2X-9013DS-VTM

Reflector Material	Aluminum
Wind Loading, maximum	192.2 N @ 150 km/h 43.2 lbf @ 150 km/h
Wind Speed, maximum	241.0 km/h 149.8 mph

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Dimensions

Depth	83.1 mm 3.3 in
Length	1037.7 mm 40.9 in
Width	166.4 mm 6.6 in
Net Weight	3.7 kg 8.2 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 1.1 Actuator W2X-9013DS-R2M

Model with Factory Installed AISG 2.0 Actuator W2X-9013DS-A1M

RET System Teletilt®

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

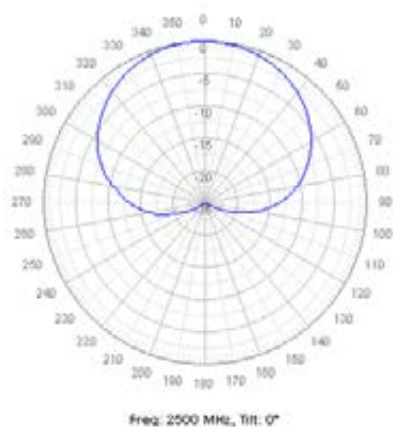
602030A — Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 114 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

W2X-9013DS-VTM

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Horizontal Pattern



Vertical Pattern

