



LBV-6513LS-VTM

Andrew® Antenna, 806–960 MHz, 65° horizontal beamwidth, RET compatible variable electrical tilt

- Excellent azimuth roll-off, reducing sector-to-sector interference and soft hand-offs
- Excellent upper sidelobe suppression
- Low profile for ease of zoning approval

OBSOLETE

This product was discontinued on: December 31, 2015

Replaced By

LDX-6513DS-VTM
LDX-6513DS-A1M

Andrew® Antenna, 790–960 MHz, 65° horizontal beamwidth, RET compatible

Electrical Specifications

Frequency Band, MHz	806–896	870–960
Gain, dBi	14.6	15.0
Beamwidth, Horizontal, degrees	64	60
Beamwidth, Vertical, degrees	17.7	17.0
Beam Tilt, degrees	0–15	0–15
USLS (First Lobe), dB	20	20
Front-to-Back Ratio at 180°, dB	35	34
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	300	300
Polarization	Vertical	Vertical
Impedance	50 ohm	50 ohm

Electrical Specifications, BASTA*

Frequency Band, MHz	806–896	870–960
Gain by all Beam Tilts, average, dBi	14.2	14.8
Gain by all Beam Tilts Tolerance, dB	±0.6	±0.5
	0 ° 14.4	0 ° 14.9
Gain by Beam Tilt, average, dBi	8 ° 14.3	8 ° 14.9
	15 ° 14.0	15 ° 14.5
Beamwidth, Horizontal Tolerance, degrees	±3.9	±3.4
Beamwidth, Vertical Tolerance, degrees	±1.1	±0.8
USLS, beampeak to 20° above beampeak, dB	22	22

* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs.](#)

General Specifications

Antenna Brand	Andrew®
Antenna Type	Directed Dipole™

LBV-6513LS-VTM

Band	Single band
Brand	Teletilt®
Operating Frequency Band	806 – 960 MHz
Performance Note	Outdoor usage

Mechanical Specifications

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Aluminum
Radome Material	Fiberglass, UV resistant
Reflector Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, total	1
Wind Loading, maximum	414.0 N @ 150 km/h 93.1 lbf @ 150 km/h
Wind Speed, maximum	241 km/h 150 mph

Dimensions

Depth	213.0 mm 8.4 in
Length	1229.0 mm 48.4 in
Width	311.0 mm 12.2 in
Net Weight	7.9 kg 17.4 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	LBV-6513LS-A1M
RET System	Teletilt®

Packed Dimensions

Depth	375.0 mm 14.8 in
Length	1663.0 mm 65.5 in
Width	497.0 mm 19.6 in
Shipping Weight	20.5 kg 45.2 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	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



LBV-6513LS-VTM

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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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.

OBSOLETE

This product was discontinued on: May 31, 2016

Replaced By

BSAMNT-1

Wide Profile Antenna 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.

General Specifications

Antenna Brand	Andrew®
Mount Type	Pipe mounts
Application	Outdoor
Includes	Brackets Hardware
Package Quantity	1

Mechanical Specifications

Color	Silver
Material Type	Galvanized steel

Dimensions

Compatible Diameter, maximum	114.3 mm 4.5 in
Compatible Diameter, minimum	61.0 mm 2.4 in
Net Weight	2.8 kg 6.2 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system





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.

OBSOLETE
This product was discontinued on: May 31, 2016
Replaced By

BSAMNT-1 Wide Profile Antenna 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.

General Specifications

Antenna Brand	Andrew®
Mount Type	Downtilt mounts
Application	Outdoor
Includes	Brackets Hardware
Package Quantity	1

Mechanical Specifications

Color	Silver
Material Type	Galvanized steel

Dimensions

Compatible Diameter, maximum	114.3 mm 4.5 in
Compatible Diameter, minimum	61.0 mm 2.4 in
Net Weight	2.2 kg 4.9 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

