



LBX-3319DS-VTM

Andrew® DualPol® Antenna, 806–960 MHz, 33° horizontal beamwidth, RET compatible variable electrical tilt

- Narrow horizontal beamwidth ideal for corridor coverage or six sector solutions
- Azimuth sidelobe suppression greater than 18 dB

Electrical Specifications

Frequency Band, MHz	806–896	870–960
Gain, dBi	19.3	20.5
Beamwidth, Horizontal, degrees	33	33
Beamwidth, Vertical, degrees	7.5	7.1
Beam Tilt, degrees	0–8	0–8
USLS, typical, dB	17	17
Front-to-Back Ratio at 180°, dB	30	35
Isolation, dB	30	30
VSWR Return Loss, dB	1.4 15.6	1.4 15.6
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153
Input Power per Port, maximum, watts	300	300
Polarization	±45°	±45°
Impedance	50 ohm	50 ohm

General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol®
Band	Single band
Brand	DualPol® Teletilt®
Operating Frequency Band	806 – 960 MHz

Mechanical Specifications

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Aluminum
Radome Material	Fiberglass, UV resistant
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, total	2
Wind Loading, maximum	1149.4 N @ 150 km/h 258.4 lbf @ 150 km/h
Wind Speed, maximum	241.6 km/h 150.1 mph

Dimensions

Depth	182.0 mm 7.2 in
Length	2581.0 mm 101.6 in

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Width 591.0 mm | 23.3 in
Net Weight 29.7 kg | 65.5 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator LBX-3319DS-A1M
RET System Teletilt®

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



Included Products

- DB380-3 — Pipe Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Used for wide panel antennas. Includes three clamp sets.
- DB5083D — Downtilt Mounting Kit for 2.4"-4.5" (60-115 mm) OD round members. Consists of two DB5083 heavy-duty, galvanized steel downtilt mounting brackets. This kit is compatible with the DB380-3 pipe mount for panel antennas with three mounting points.