Product Specifications

LDX-6515DS-VTM

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

- Engineered to provide wideband capability to support "Digital Dividend" band applications, future ready
- Same physical size as existing 800/900 MHz antennas for easy site zoning
- Proven core design technology, with over 1,000,000 similar antennas deployed

Electrical Specifications

Frequency Band, MHz	**790–896**	**870–960**
Gain, dBi	16.7	17.1
Beamwidth, Horizontal, degrees	64	64
Beamwidth, Vertical, degrees	10.2	9.7
Beam Tilt, degrees	0–10	0–10
USLS, dB	17	18
Front-to-Back Ratio at 180°, dB	30	30
CPR at Boresight, dB	28	25
CPR at Sector, dB	16	14
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	350	350
Polarization	±45°	±45°
Impedance	50 ohm	50 ohm

Electrical Specifications, BASTA*

Frequency Band, MHz	**790–896**	**870–960**
Gain by all Beam Tilts, average, dBi	16.2	16.4
Gain by all Beam Tilts Tolerance, dB	±0.2	±0.3
Gain by Beam Tilt, average, dBi	0 ° | 16.1 5 ° | 16.3 10 ° | 16.2	0 ° | 16.3 5 ° | 16.4 10 ° | 16.2
Beamwidth, Horizontal Tolerance, degrees	±1.4	±1
Beamwidth, Vertical Tolerance, degrees	±0.7	±0.4
USLS, dB	17	18
Front-to-Back Total Power at 180° ± 30°, dB	25	24
CPR at Boresight, dB	30	25
CPR at Sector, dB	16	14

* 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	DualPol®
Band	Single band
Brand	DualPol® | Teletilt®
Operating Frequency Band	790 – 960 MHz

Product Specifications

LDX-6515DS-VTM

Mechanical Specifications

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Aluminum
Radome Material	PVC, UV resistant
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, total	2
Wind Loading, maximum	718.0 N @ 150 km/h 161.4 lbf @ 150 km/h
Wind Speed, maximum	241.5 km/h | 150.0 mph

Dimensions

Depth	132.0 mm | 5.2 in
Length	2070.0 mm | 81.5 in
Width	269.0 mm | 10.6 in
Net Weight	15.0 kg | 33.1 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	LDX-6515DS-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

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.