



Andrew Solutions
DBXLH-8585B-VTM

Andrew® DualPol® Dual Band Teletilt® Antenna, 824–960 MHz and 1710–2180 MHz, 85° horizontal beamwidth, RET compatible

- Patented dipole technology

Electrical Specifications

Frequency Band, MHz	824–896	870–960	1710–1880	1850–1990	1920–2180
Gain, dBi	14.9	15.0	17.5	17.5	17.5
Beamwidth, Horizontal, degrees	85	85	81	84	84
Beamwidth, Vertical, degrees	10.9	10.5	5.0	4.8	4.6
Beam Tilt, degrees	0–10	0–10	0–6	0–6	0–6
USLS, typical, dB	15	15	15	15	15
Front-to-Back Ratio at 180°, dB	26	26	27	27	27
Isolation, dB	30	30	30	30	30
Isolation, Intersystem, dB	29	29	35	35	35
VSWR Return Loss, dB	1.4 15.6	1.4 15.6	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150
Input Power per Port, maximum, watts	500	500	350	350	350
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm
Lightning Protection	dc Ground	dc Ground	dc Ground	dc Ground	dc Ground

Mechanical Specifications

Color Radome Material	Light gray PVC, UV resistant
Connector Interface Location Quantity	7-16 DIN Female Bottom 4
Wind Loading, maximum	648.0 N @ 150 km/h 145.7 lbf @ 150 km/h
Wind Speed, maximum	201.0 km/h 124.9 mph

Dimensions

Depth	166.0 mm 6.5 in
Length	1858.0 mm 73.1 in
Width	305.0 mm 12.0 in
Net Weight	20.0 kg 44.0 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 1.1 Actuator	DBXLH-8585B-R2M
Model with Factory Installed AISG 2.0 Actuator	DBXLH-8585B-A2M

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)

DBXLH-8585B-VTM



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.