



DBXLHC-6565A-VTM

Andrew® Dual Band Teletilt® Antenna with Internal Crossband Coupler, 824–960 MHz and 1710–2180 MHz, 65° horizontal beamwidth, RET compatible

- Interleaved dipole technology—integrated crossband coupler

Electrical Specifications

Frequency Band, MHz	824–896	870–960	1710–1880	1850–1990	1920–2180
Gain, dBi	13.6	14.1	16.2	16.6	16.5
Beamwidth, Horizontal, degrees	69	66	68	63	61
Beamwidth, Vertical, degrees	15.4	14.6	7.3	6.9	6.5
Beam Tilt, degrees	0–15	0–15	0–8	0–8	0–8
USLS, dB	15	16	18	18	16
Front-to-Back Ratio at 180°, dB	22	25	28	30	26
Isolation, dB	25	30	30	30	30
VSWR Return Loss, dB	1.5 14.0	1.5 14.0	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	250	250	250	250	250
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

Electrical Specifications, BASTA*

Frequency Band, MHz	824–896	870–960	1710–1880	1850–1990	1920–2180
Gain by all Beam Tilts, average, dBi	13.7	14.1	15.9	16.3	16.3
Gain by all Beam Tilts Tolerance, dB	±0.6	±0.4	±0.3	±0.5	±0.5
	0 ° 13.9	0 ° 14.3	0 ° 15.9	0 ° 16.4	0 ° 16.4
Gain by Beam Tilt, average, dBi	7 ° 13.7	7 ° 14.3	4 ° 15.9	4 ° 16.4	4 ° 16.4
	15 ° 13.4	15 ° 13.9	8 ° 15.8	8 ° 16.1	8 ° 16.1
Beamwidth, Horizontal Tolerance, degrees	±2.9	±3.5	±3.9	±5	±5.7
Beamwidth, Vertical Tolerance, degrees	±0.9	±0.8	±0.3	±0.4	±0.4
USLS, dB	15	16	18	17	16
Front-to-Back Total Power at 180° ± 30°, dB	19	19	22	23	22
CPR at Boresight, dB	22	20	14	13	13
CPR at Sector, dB	11	8	6	6	5

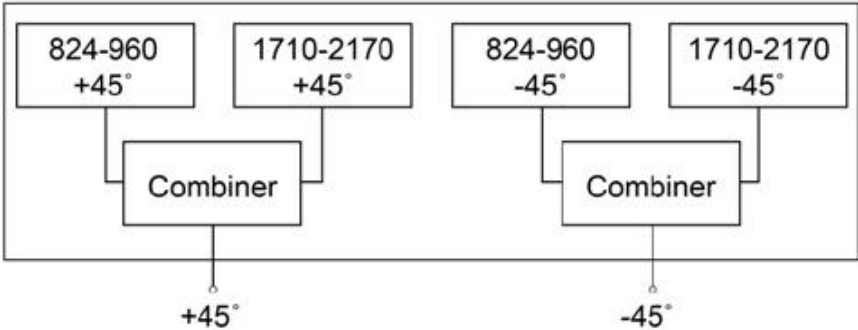
* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs.](#)

Port Configuration

DBXLHC-6565A-VTM



Port Configuration
CNPX....-2P
DBXLHC



General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol® dual band with internal crossband coupler
Band	Multiband
Brand	DualPol® Teletilt®
Operating Frequency Band	1710 – 2180 MHz 824 – 960 MHz

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	402.2 N @ 150 km/h 90.4 lbf @ 150 km/h
Wind Speed, maximum	241.4 km/h 150.0 mph

Dimensions

Depth	132.0 mm 5.2 in
Length	1294.0 mm 50.9 in
Width	269.0 mm 10.6 in
Net Weight	13.8 kg 30.4 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	DBXLHC-6565A-A2M
RET System	Teletilt®

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POWERED BY



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

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.