



MBLHH-65C-VTM

Andrew® Tri-band Teletilt® Antenna, 1 x 824–960 MHz and 2 x 1710–2180 MHz, 65° horizontal beamwidth, RET compatible

- Three DualPol® antennas under one radome
- Interleaved dipole technology providing for attractive, low wind load mechanical package

Electrical Specifications

Frequency Band, MHz	824–896	870–960	1710–1880	1850–1990	1920–2180
Gain, dBi	16.8	17.6	16.9	17.3	16.8
Beamwidth, Horizontal, degrees	68	66	61	61	61
Beamwidth, Vertical, degrees	7.6	7.2	7.6	7.0	6.7
Beam Tilt, degrees	0–8	0–8	2–10	2–10	2–10
USLS, typical, dB	16	16	15	16	14
Front-to-Back Ratio at 180°, dB	26	28	29	27	27
CPR at Boresight, dB	25	25	19	19	15
CPR at Sector, dB	13	11	11	10	7
Isolation, dB	30	30	30	30	30
Isolation, Intersystem, dB	30	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	350	350	350	350	350
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol® multiband
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	6
Wind Area, maximum	0.9 m² 9.4 ft²
Wind Loading, maximum	922.0 N @ 150 km/h 207.3 lbf @ 150 km/h
Wind Speed, maximum	201.0 km/h 124.9 mph

Dimensions

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Depth	132.0 mm 5.2 in
Length	2574.0 mm 101.3 in
Width	269.0 mm 10.6 in
Net Weight	25.4 kg 56.0 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	MBLHH-65C-A3M
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)



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.