



Andrew Solutions
MBLHH-65C-VTM

DualPol® Tri-band Teletilt® Antenna, 1 x 824–960 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	1.5:1 14.0	1.5:1 14.0	1.5:1 14.0	1.5:1 14.0	1.5:1 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
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 6
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

Depth	132.0 mm 5.2 in
Length	2574.00 mm 101.34 in
Width	269.00 mm 10.59 in
Net Weight	25.40 kg 56.00 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 1.1 Actuator MBLHH-65C-R2M
Model with Factory Installed AISG 2.0 Actuator MBLHH-65C-A3M

Regulatory Compliance/Certifications

Agency	Classification
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RoHS 2002/95/EC
China RoHS SJ/T 11364-2006

Compliant by Exemption
Above Maximum Concentration Value (MCV)



Included Products

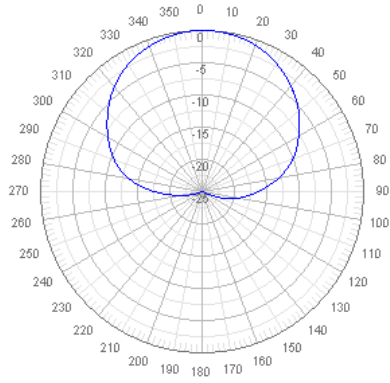
600899A-2 — Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members

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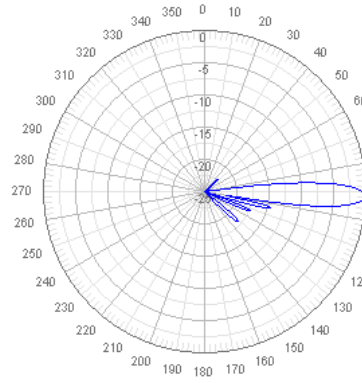


Horizontal Pattern

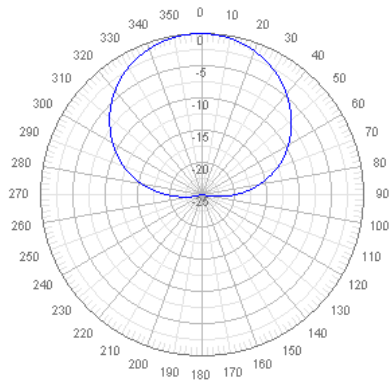
Vertical Pattern



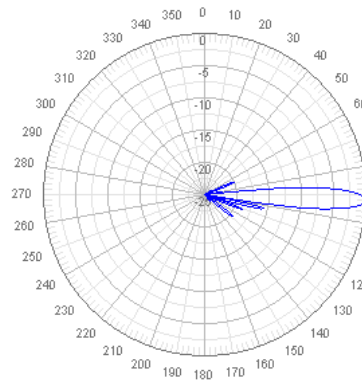
Freq: 850 MHz, Tilt: 2°



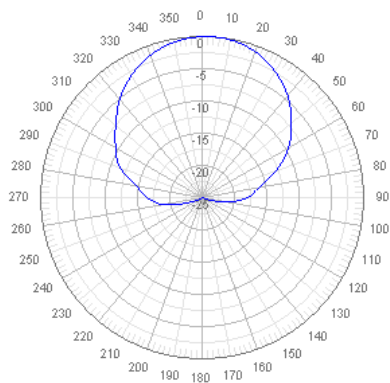
Freq: 850 MHz, Tilt: 2°



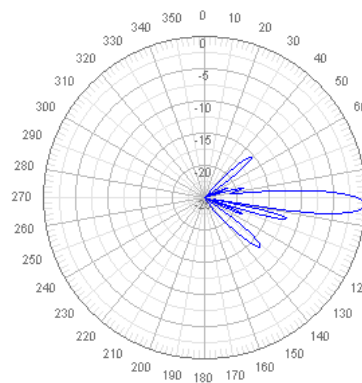
Freq: 935 MHz, Tilt: 2°



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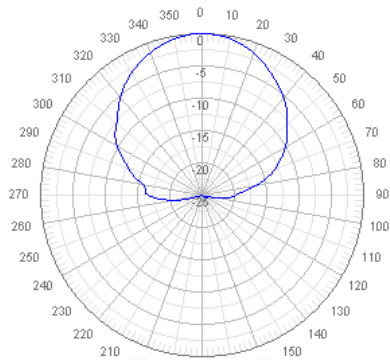


Freq: 1785 MHz, Tilt: 2°

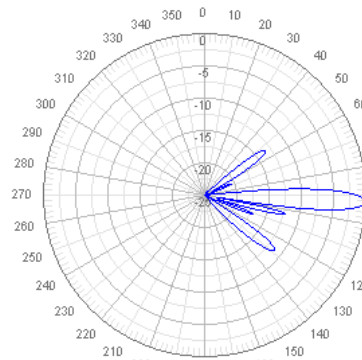


Freq: 1785 MHz, Tilt: 2°

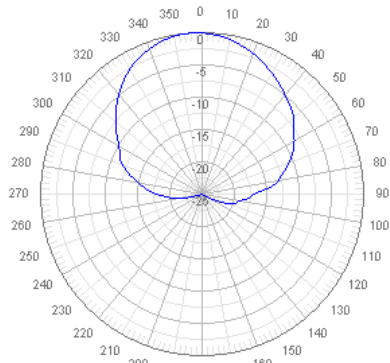
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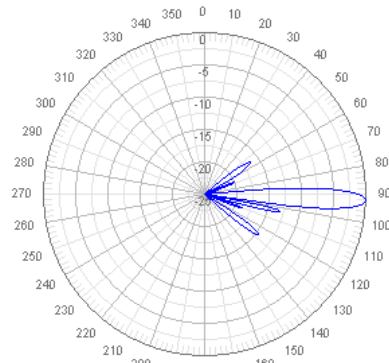
Freq: 1920 MHz, Tilt: 2°



Freq: 1920 MHz, Tilt: 2°



Freq: 2110 MHz, Tilt: 2°



Freq: 2110 MHz, Tilt: 2°