

MBLLHHH-65C-VTM | MBLLHHH-65C-A5M



10-port sector antenna, 4x 824–960 and 6x 1710–2180 MHz, 65° HPBW, RET compatible

- Excellent solution for multi-operator site sharing applications
- Rugged and reliable design to enhance network quality
- Optimal choice for tough zoning and hard-to-build sites
- MIMO ready

OBSOLETE

This product was discontinued on: **March 31, 2021**

Replaced By:

RRV3-65D-R5

10-port sector antenna, 4x 694–960 and 6x 1695–2690 MHz, 65° HPBW, 5x RET

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	Fiberglass, UV resistant
Radiator Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	6
RF Connector Quantity, low band	4
RF Connector Quantity, total	10

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	MBLLHHH-65C-A5M
---	-----------------

Dimensions

Width	549 mm 21.614 in
--------------	--------------------

MBLLHHH-65C-VTM | MBLLHHH-65C-A5M

Depth	165 mm 6.496 in
Length	2569 mm 101.142 in
Net Weight, without mounting kit	43.9 kg 96.783 lb

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1710 – 2180 MHz 824 – 960 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	824–896	870–960	1710–1880	1850–1990	1920–2180
Gain, dBi	16.6	17.3	17.3	17.1	16.6
Beamwidth, Horizontal, degrees	70	67	61	60	58
Beamwidth, Vertical, degrees	7.7	7.4	7.3	7	6.5
Beam Tilt, degrees	0–8	0–8	2–10	2–10	2–10
USLS, typical, dB	15	15	15	15	15
Front-to-Back Ratio at 180°, dB	26	28	27	27	27
CPR at Boresight, dB	20	17	19	17	15
CPR at Sector, dB	11	9	9	9	8
Isolation, Cross Polarization, dB	30	30	30	30	30
Isolation, Inter-band, 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

Mechanical Specifications

Wind Loading @ Velocity, frontal	1,744.0 N @ 150 km/h (392.1 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	418.0 N @ 150 km/h (94.0 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	1,988.0 N @ 150 km/h (446.9 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

MBLLHHH-65C-VTM | MBLLHHH-65C-A5M

Width, packed	712 mm 28.032 in
Depth, packed	331 mm 13.032 in
Length, packed	2965 mm 116.732 in
Weight, gross	72.4 kg 159.614 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

Included Products

- | | | |
|-----------|---|--|
| BSAMNT-3 | - | Wide Profile Antenna 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. |
| BSAMNT-MH | - | Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor bracket set. |

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
-------------------------	---