

# QBXLH-6565A-VTM



Multiband Antenna, 2x 824–960 and 2x 1710–2180 MHz, 65° horizontal beamwidth, RET compatible variable electrical tilt

- Four DualPol® antennas under one radome
- Interleaved dipole technology providing for attractive, low wind load mechanical package
- Each antenna is independently capable of field adjustable electrical tilt

## Electrical Specifications

Frequency Band, MHz	824–896	870–960	1710–1880	1850–1990	1920–2180
Gain, dBi	14.0	14.0	16.5	16.8	17.0
Beamwidth, Horizontal, degrees	66	60	60	60	60
Beamwidth, Vertical, degrees	16.0	15.0	7.1	6.5	6.0
Beam Tilt, degrees	0–15	0–15	0–8	0–8	0–8
USLS, typical, dB	15	15	15	15	15
Front-to-Back Ratio at 180°, dB	28	25	25	27	25
Isolation, Cross Polarization, 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	350	350	350	350	350
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

## General Specifications

<b>Operating Frequency Band</b>	1710 – 2180 MHz   824 – 960 MHz
<b>Antenna Type</b>	Sector
<b>Band</b>	Multiband
<b>Performance Note</b>	Outdoor usage

## Mechanical Specifications

<b>RF Connector Quantity, total</b>	8
<b>RF Connector Quantity, low band</b>	4
<b>RF Connector Quantity, high band</b>	4
<b>RF Connector Interface</b>	7-16 DIN Female
<b>Color</b>	Light gray
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Radiator Material</b>	Aluminum
<b>Radome Material</b>	ABS, UV resistant
<b>RF Connector Location</b>	Bottom
<b>Wind Loading, frontal</b>	928.0 N @ 150 km/h 208.6 lbf @ 150 km/h
<b>Wind Loading, lateral</b>	206.0 N @ 150 km/h 46.3 lbf @ 150 km/h

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**Wind Speed, maximum** 201 km/h | 125 mph

## Dimensions

**Length** 1323.0 mm | 52.1 in

**Width** 581.0 mm | 22.9 in

**Depth** 283.0 mm | 11.1 in

**Net Weight, without mounting kit** 32.3 kg | 71.2 lb

## Packed Dimensions

**Length** 1791.0 mm | 70.5 in

**Width** 782.0 mm | 30.8 in

**Depth** 444.0 mm | 17.5 in

**Shipping Weight** 48.4 kg | 106.7 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-1** — 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.

## \* Footnotes

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