

# TBXLHA-6565C-A3M



6-port sector antenna, 2x 824–960 and 4x 1710–2180 MHz, 65° HPBW, 3x RETs

- Three 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

## OBSOLETE

This product was discontinued on: **November 30, 2023**

### Replaced By:

RVV-65D-R3VB

6-port sector antenna, 2x 694–960 and 4x 1695–2690 MHz, 65° HPBW, 3x RET

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Multiband
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	PVC, UV resistant
<b>Radiator Material</b>	Aluminum
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	4
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Quantity, total</b>	6

## Remote Electrical Tilt (RET) Information

<b>Model with Factory Installed AISG 2.0 Actuator</b>	TBXLHA-6565C-A3M
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## Dimensions

<b>Width</b>	269 mm   10.591 in
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# TBXLHA-6565C-A3M

<b>Depth</b>	132 mm   5.197 in
<b>Length</b>	2577 mm   101.457 in
<b>Net Weight, without mounting kit</b>	25.4 kg   55.997 lb

## Electrical Specifications

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

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>824–896</b>	<b>870–960</b>	<b>1710–1880</b>	<b>1850–1990</b>	<b>1920–2180</b>
<b>Gain, dBi</b>	16.9	17.6	16.8	17.1	17
<b>Beamwidth, Horizontal, degrees</b>	70	67	65.4	61.8	58.6
<b>Beamwidth, Vertical, degrees</b>	7.4	7.1	7.2	6.9	6.7
<b>Beam Tilt, degrees</b>	0–8	0–8	2–10	2–10	2–10
<b>USLS (First Lobe), dB</b>	17	17	18	16	15
<b>Front-to-Back Ratio at 180°, dB</b>	25	25	28	26	25
<b>CPR at Boresight, dB</b>	23	24	14	14	14
<b>CPR at Sector, dB</b>	11	9	5	5	5
<b>Isolation, Cross Polarization, dB</b>	30	30	30	30	30
<b>Isolation, Inter-band, dB</b>	30	30	30	30	30
<b>VSWR   Return loss, dB</b>	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150	-150	-150	-150
<b>Input Power per Port, maximum, watts</b>	350	350	350	350	350

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	922.0 N @ 150 km/h (207.3 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	202.0 N @ 150 km/h (45.4 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	1,003.0 N @ 150 km/h (225.5 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	201 km/h (125 mph)

## Packaging and Weights

# TBXLHA-6565C-A3M

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<b>Width, packed</b>	376 mm   14.803 in
<b>Depth, packed</b>	267 mm   10.512 in
<b>Length, packed</b>	2890 mm   113.78 in
<b>Weight, gross</b>	37.3 kg   82.232 lb

## 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.

## \* Footnotes

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