

# TBXCCCHA-6565A-VTM



6-port sector antenna, 4x 824–896 and 2x 1710–2180 MHz, 65° HPBW, RET compatible

- Interleaved dipole technology providing for attractive, low wind load mechanical package

## Electrical Specifications

Frequency Band, MHz	824–896	1710–1880	1850–1990	1920–2180
Gain, dBi	12.5	17.0	17.2	17.3
Beamwidth, Horizontal, degrees	68	60	58	59
Beamwidth, Vertical, degrees	20.0	7.3	6.8	6.4
Beam Tilt, degrees	0–16	0–8	0–8	0–8
USLS, typical, dB	15	15	15	15
Front-to-Back Ratio at 180°, dB	25	30	32	28
Isolation, Cross Polarization, dB	30	30	30	30
Isolation, Inter-band, dB	30	30	30	30
VSWR   Return Loss, dB	1.4   15.6	1.5   14.0	1.4   15.6	1.5   14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150
Input Power per Port, maximum, watts	300	350	350	350
Polarization	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm

## General Specifications

Operating Frequency Band	1710 – 2180 MHz   824 – 896 MHz
Antenna Type	Sector
Band	Multiband
Performance Note	Outdoor usage

## Mechanical Specifications

RF Connector Quantity, total	6
RF Connector Quantity, low band	4
RF Connector Quantity, high band	2
RF Connector Interface	7-16 DIN Female
Color	Light gray
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Aluminum
Radome Material	PVC, UV resistant
RF Connector Location	Bottom

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<b>Wind Loading, frontal</b>	706.0 N @ 150 km/h 158.7 lbf @ 150 km/h
<b>Wind Loading, lateral</b>	153.0 N @ 150 km/h 34.4 lbf @ 150 km/h
<b>Wind Speed, maximum</b>	241 km/h   150 mph

## Dimensions

<b>Length</b>	2045.0 mm   80.5 in
<b>Width</b>	269.0 mm   10.6 in
<b>Depth</b>	132.0 mm   5.2 in
<b>Net Weight, without mounting kit</b>	20.3 kg   44.8 lb

## Packed Dimensions

<b>Length</b>	2561.0 mm   100.8 in
<b>Width</b>	412.0 mm   16.2 in
<b>Depth</b>	267.0 mm   10.5 in
<b>Shipping Weight</b>	29.8 kg   65.7 lb

## Regulatory Compliance/Certifications

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



## 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

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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