

# SS-65T-F

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4-port small cell antenna, 4x 3300–4200 MHz, 65° HPBW, fixed electrical tilt

- Supports 4T4R radios operating in B42, B43, Bn77, Bn78
- Designed for strand mount, use BSAMNT-S for pole mount applications
- NEX10 connectors on back

## General Specifications

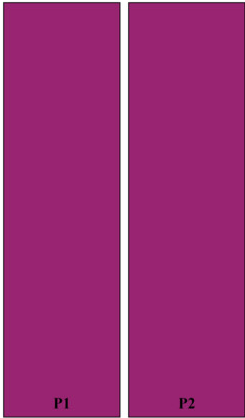
<b>Antenna Type</b>	Small Cell
<b>Band</b>	Single band
<b>Color</b>	Light gray
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	ASA+PC, UV stabilized
<b>Radiator Material</b>	Low loss circuit board
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	NEX10 Female
<b>RF Connector Location</b>	Side back
<b>RF Connector Quantity, high band</b>	4
<b>RF Connector Quantity, total</b>	4

## Dimensions

<b>Width</b>	200 mm   7.874 in
<b>Depth</b>	44 mm   1.732 in
<b>Length</b>	200 mm   7.874 in
<b>Net Weight, without mounting kit</b>	0.7 kg   1.543 lb

## Array Layout

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Array ID	Frequency (MHz)	RF Connector	HPBW	RET (N/A)	AISG No.	AISG RET UID
P1	3300-4200	1 - 2	65°	N/A	NA	N/A
P2	3300-4200	3 - 4	65°			

(Sizes of colored boxes are not true depictions of array sizes)

## Port Configuration



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	3300 – 4200 MHz

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**Polarization** ±45°

## Electrical Specifications

	<b>3300–3800</b>	<b>3700–4200</b>
<b>Frequency Band, MHz</b>		
<b>Gain, dBi</b>	12.7	12.9
<b>Beamwidth, Horizontal, degrees</b>	63	62
<b>Beamwidth, Vertical, degrees</b>	27.5	25
<b>Beam Tilt, degrees</b>	6	6
<b>USLS (First Lobe), dB</b>	18	18
<b>Front-to-Back Ratio, Copolarization 180° ± 30°, dB</b>	31	29
<b>Isolation, Cross Polarization, dB</b>	22	22
<b>Isolation, Inter-band, dB</b>	22	22
<b>VSWR   Return loss, dB</b>	1.5   14.0	1.5   14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-140	-140
<b>Input Power per Port, maximum, watts</b>	50	50

## Electrical Specifications, BASTA

	<b>3300–3800</b>	<b>3700–4200</b>
<b>Frequency Band, MHz</b>		
<b>Gain by all Beam Tilts, average, dBi</b>	12.5	12.6
<b>Gain by all Beam Tilts Tolerance, dB</b>	±0.4	±0.4
<b>Beamwidth, Horizontal Tolerance, degrees</b>	±1.9	±2.4
<b>Beamwidth, Vertical Tolerance, degrees</b>	±2.1	±1.4
<b>CPR at Boresight, dB</b>	16	19
<b>CPR at Sector, dB</b>	10	10

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	60.8 N @ 150 km/h (13.7 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	13.4 N @ 150 km/h (3.0 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	60.8 N @ 150 km/h (13.7 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h   149.75 mph

## Packaging and Weights

<b>Width, packed</b>	250 mm   9.843 in
<b>Depth, packed</b>	125 mm   4.921 in
<b>Length, packed</b>	250 mm   9.843 in

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**Weight, gross**

1 kg | 2.205 lb

## Regulatory Compliance/Certifications

**Agency**

**Classification**

CHINA-ROHS

Below maximum concentration value

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

REACH-SVHC

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

ROHS

Compliant



## \* Footnotes

**Performance Note**

Severe environmental conditions may degrade optimum performance