

# FF-65B-R2



4-port sector antenna, 4x 617–894 MHz, 65° HPBW, 2x RET, 600MHzReady Antenna Technology

## General Specifications

Antenna Type	Sector
Band	Single band
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	0
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	4
RF Connector Quantity, total	4

## Remote Electrical Tilt (RET) Information

RET Hardware	CommRET v2
RET Interface	8-pin DIN Female   8-pin DIN Male
RET Interface, quantity	1 female   1 male
Input Voltage	10–30 Vdc
Internal RET	Low band (2)
Power Consumption, active state, maximum	13 W
Power Consumption, idle state, maximum	2 W
Protocol	3GPP/AISG 2.0 (Single RET)

## Dimensions

Width	498 mm   19.606 in
Depth	197 mm   7.756 in

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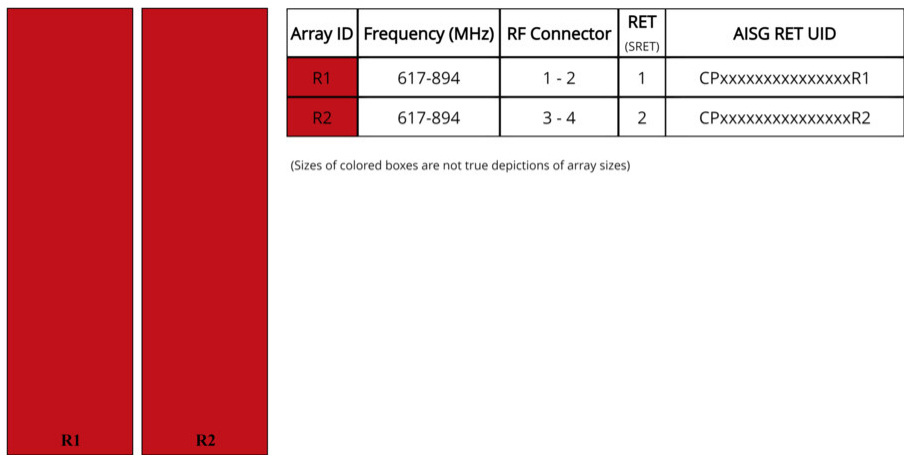
Length

1828 mm | 71.969 in

Net Weight, antenna only

29.7 kg | 65.477 lb

## Array Layout



## Port Configuration



## Electrical Specifications

Impedance

50 ohm

Operating Frequency Band

617 – 894 MHz

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Polarization	±45°
Total Input Power, maximum	900 W @ 50 °C

## Electrical Specifications

Frequency Band, MHz	617–698	698–894
RF Port	1-4	1-4
Gain, dBi	13.9	15.1
Beamwidth, Horizontal, degrees	70	60
Beamwidth, Vertical, degrees	14.6	12.3
Beam Tilt, degrees	2–14	2–14
USLS (First Lobe), dB	16	15
Front-to-Back Ratio at 180°, dB	27	30
Front-to-Back Total Power at 180° ± 30°, dB	21	20
CPR at Boresight, dB	18	17
Isolation, Cross Polarization, dB	25	25
Isolation, Inter-band, dB	25	25
VSWR   Return loss, dB	1.5   14.0	1.5   14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-153
Input Power per Port at 50°C, maximum, watts	250	250

## Mechanical Specifications

Wind Loading @ Velocity, frontal	711.0 N @ 150 km/h (159.8 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	229.0 N @ 150 km/h (51.5 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	998.0 N @ 150 km/h (224.4 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	563.0 N @ 150 km/h (126.6 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

## Packaging and Weights

Width, packed	565 mm   22.244 in
Depth, packed	309 mm   12.165 in
Length, packed	2015 mm   79.331 in
Weight, gross	43.4 kg   95.681 lb

## Regulatory Compliance/Certifications

Agency	Classification
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CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



## 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.
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## \* Footnotes

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