

# R-360B-R1VB



2 Port omni antenna, 2x 694–960 MHz, 360° HPBW, 1x RET

- Single antenna provides for 2xMIMO and Rx diversity service
- Simplifies infrastructure and space requirements compared to traditional V-pol antennas
- Ideal solution for rural coverage

## General Specifications

<b>Antenna Type</b>	Omni
<b>Band</b>	Single band
<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>	ASA, UV resistant
<b>Radiator Material</b>	Aluminum   Low loss circuit board
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	4.3-10 Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	0
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Quantity, total</b>	2

## Remote Electrical Tilt (RET) Information

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

## Dimensions

# R-360B-R1VB

<b>Length</b>	1999 mm   78.701 in
<b>Net Weight, without mounting kit</b>	22.6 kg   49.824 lb
<b>Outer Diameter</b>	305 mm   12.008 in

## Port Configuration



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	694 – 960 MHz
<b>Polarization</b>	$\pm 45^\circ$
<b>Total Input Power, maximum</b>	300 W

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>694–790</b>	<b>790–890</b>	<b>890–960</b>
<b>Gain, dBi</b>	10.4	11	11.4
<b>Beamwidth, Horizontal, degrees</b>	360	360	360
<b>Beamwidth, Vertical, degrees</b>	13.2	11.7	10.5
<b>Beam Tilt, degrees</b>	2–14	2–14	2–14
<b>USLS (First Lobe), dB</b>	20	19	19
<b>Isolation, Cross Polarization, dB</b>	25	25	25

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<b>VSWR   Return loss, dB</b>	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
<b>Input Power per Port, maximum, watts</b>	250	250	250

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	376.0 N @ 150 km/h (84.5 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	376.0 N @ 150 km/h (84.5 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	376.0 N @ 150 km/h (84.5 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	200 km/h (124 mph)

## Packaging and Weights

<b>Width, packed</b>	420 mm   16.535 in
<b>Depth, packed</b>	400 mm   15.748 in
<b>Length, packed</b>	2265 mm   89.173 in
<b>Weight, gross</b>	29 kg   63.934 lb

## Regulatory Compliance/Certifications

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

## \* Footnotes

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