

RG-ANT90-T6

Tri-band Six-Element Cross-Polarized High-Gain Outdoor Antenna



Product Overview

Introduction

The tri-band, cross-polarized, high-gain antenna is specifically designed for scenarios requiring directional coverage across the 2.4 GHz, 5 GHz and 6 GHz bands. Equipped with 6 standard RP-SMA female connectors, it can flexibly adapt to various devices. Band 1 (2400–2500 MHz) features a 65° horizontal beamwidth and a 27° vertical beamwidth, achieving a peak gain of 9 dBi. Band 2 (5150–6425 MHz) features a 65° horizontal beamwidth and a 15° vertical beamwidth, achieving a peak gain of 11 dBi. Band 3 (6425–7125 MHz) features a 60° horizontal beamwidth and a 15° vertical beamwidth, achieving a peak gain of 11 dBi.

Product Appearance

RG-ANT90-T6

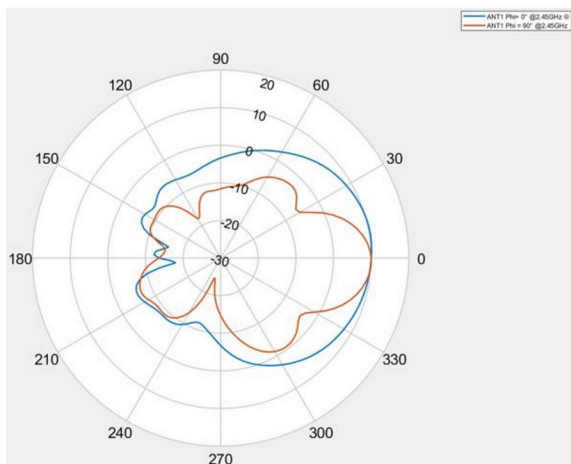


Antenna Pattern Plots

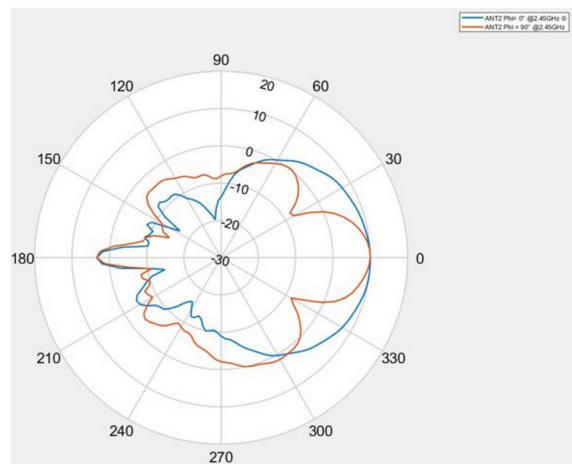
Vertical Planes (Side View, Antenna Facing Down)

2.4G

Ant1



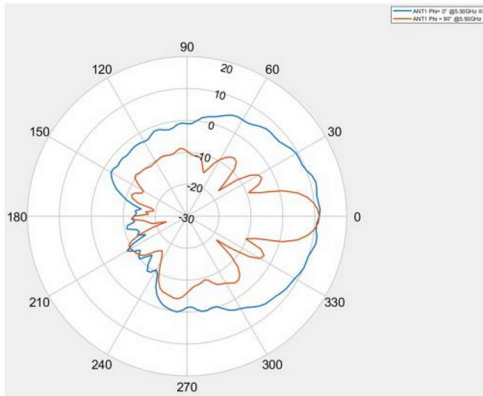
Ant2



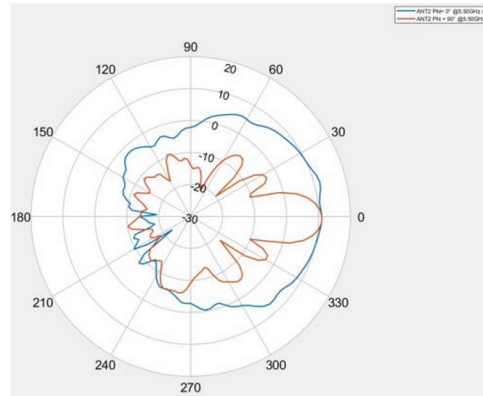
Vertical Planes (Side View, Antenna Facing Down)

5G

Ant1

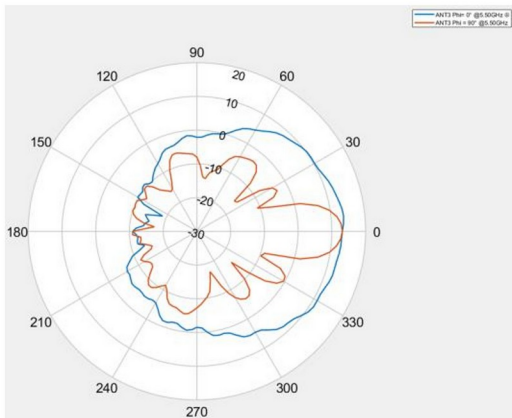


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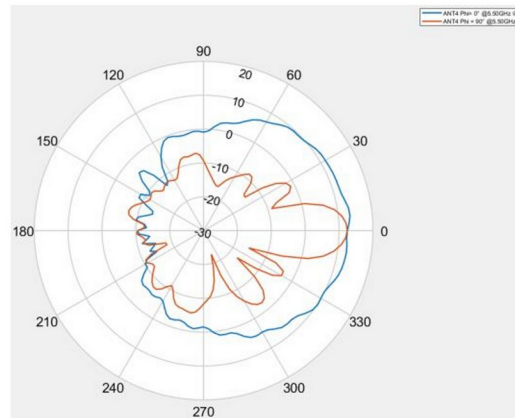


5G

Ant3

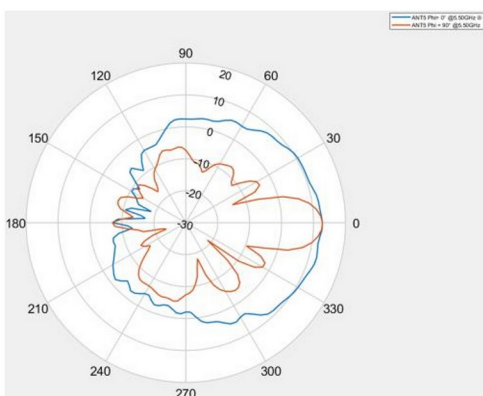


Ant4

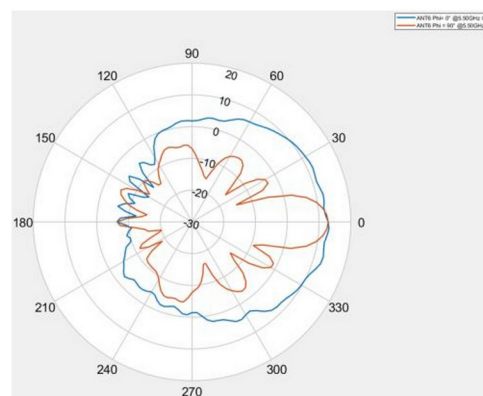


5G

Ant5



Ant6



Ordering Information

Devices

Model	Description
RG-ANT90-T6	Tri-band, cross-polarized, high-gain directional antenna for 2.4 GHz, 5 GHz, and 6 GHz coverage; 6 x RP-SMA female connectors. Band 1 (2400–2500 MHz): 65° H / 27° V beamwidth, 9 dBi peak gain Band 2 (5150–6425 MHz): 65° H / 15° V beamwidth, 11 dBi peak gain Band 3 (6425–7125 MHz): 60° H / 15° V beamwidth, 11 dBi peak gain

Warranty

For more information about warranty terms and periods, contact your local sales agency.

Warranty terms: <https://www.ruijie.com/en-global/support/servicepolicy>

Warranty period: <https://www.ruijie.com/en-global/support/servicepolicy/cybrey-product-warranty>

Note: The warranty terms are subject to the requirements of different countries and distributors.

More Information

To learn more about the product, please visit our website or contact your local sales representative.

- Ruijie Networks official website: <https://www.ruijie.com/>
- Online support: <https://www.ruijie.com/support>
- Hotline support: <https://www.ruijie.com/support/hotline>
- Email support: service_rj@ruijienetworks.com

Product Specifications

Hardware Specifications

Antenna	RG-ANT90-T6
Operating frequency bands	Band 1: 2400–2500 MHz Band 2: 5150–6425 MHz Band 3: 6425–7125 MHz
Polarization	Vertical and horizontal polarization
Antenna gain	Band 1: 9 dBi Band 2: 11 dBi Band 3: 11 dBi
3-dB azimuth beamwidth	Band 1: 65°±10° Band 2: 65°±10° Band 3: 60°±10°
3-dB elevation beamwidth	Band 1: 27°±5° Band 2: 15°±5° Band 3: 15°±5°
Voltage standing wave ratio	Band 1: < 2 Band 2: < 2 Band 3: < 2.5
Antenna connector	6 x RP-SMA female antenna connectors

Dimensions and Weight	RG-ANT90-T6
Housing material	PC
Unit dimensions (W x D x H)	360 mm x 240 mm x 45 mm (14.17 in. x 9.45 in. x 1.77 in.)
Packaging dimensions (W x D x H)	417 mm x 349 mm x 86 mm (16.42 in. x 13.74 in. x 3.39 in.)
Unit weight	0.97 kg (2.14 lbs, without the mounting bracket)
Packaging weight	2.4 kg (5.29 lbs)
Color	White

Power Handling	RG-ANT90-T6
Maximum input power	30 dBm per port

Environment and Reliability	RG-ANT90-T6
IP rating	IP55
Mounting options	Wall-mount and pole-mount

Certification and Regulatory Compliance	RG-ANT90-T6
Certification	CE

Package Contents

Device	RG-ANT90-T6
Main unit	1

Accessories	RG-ANT90-T6
Hose clamp	2
Antenna adjustment assembly	1
Base bracket	1
Wing knob	2
M5 x 66 mm Phillips hex head machine screw	2
Positioning nut	1
M6 x 70 mm expansion anchor	2
M5 x 12 mm Phillips pan head screw	3

Manual	RG-ANT90-T6
User Manual	1
Warranty Card	1

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- Hotline support: <https://www.ruijie.com/support/hotline>
- Email support: service_rj@ruijienetworks.com

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