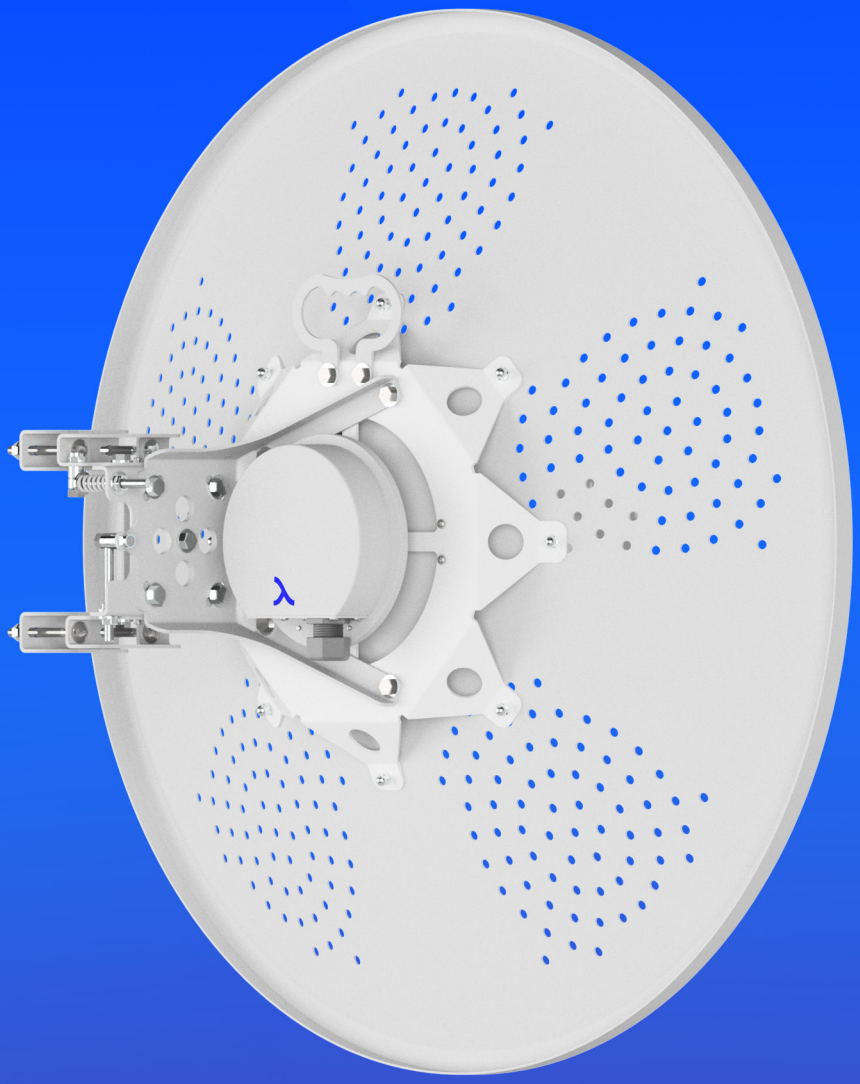
Rayawave

Catalog Version 1.0.4

www.Rayawave.com



Stay connected

RAYAWAVE

Introduction

In today's dynamic and technology-driven world, communications and data transmission are rapidly advancing as the backbone of economic and social spheres. In this active environment, telecommunications equipment serves as a gateway for establishing effective communications and facilitating the rapid and precise transfer of information, carrying significant importance.

"RayaWave" is here to fulfill its mission in the realm of telecommunications equipment manufacturing. Our mission revolves around establishing and sustaining data exchange. We take pride in designing and producing equipment that effectively and progressively enables data transmission on a different level.

This commitment to innovation, high quality, and environmental stewardship has guided us to new frontiers in telecommunications equipment. During this journey, we place our confidence not only in cutting edge technologies but also in a dedicated team of enthusiastic experts and visionary entrepreneurs. Together, we work alongside strategic partners who share our commitment to enriching the global community's communication experience.

Our comprehensive catalog showcases an extensive range of cutting-edge products and services designed to meet the diverse needs of modern enterprises. Whether you're a small business looking to enhance your communication infrastructure or a large corporation in need of robust, scalable solutions, we have the expertise and technology to support your goals.

Explore our catalog to discover how Rayawave can empower your business with state of the art telecommunication solutions. Our dedicated team of experts is here to assist you in selecting the right products and services tailored to your unique requirements, ensuring a seamless and efficient communication experience.welcome to the future of telecommunication.

Welcome to Rayawave

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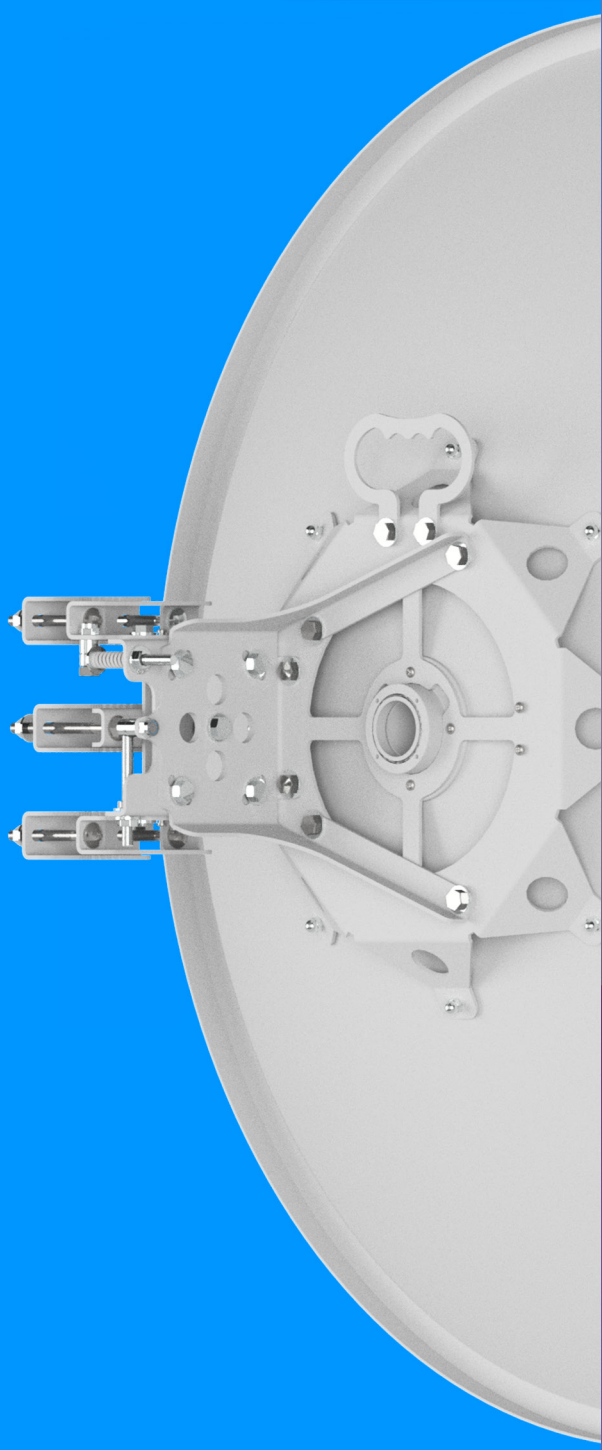


RAYAWAVE

Radio

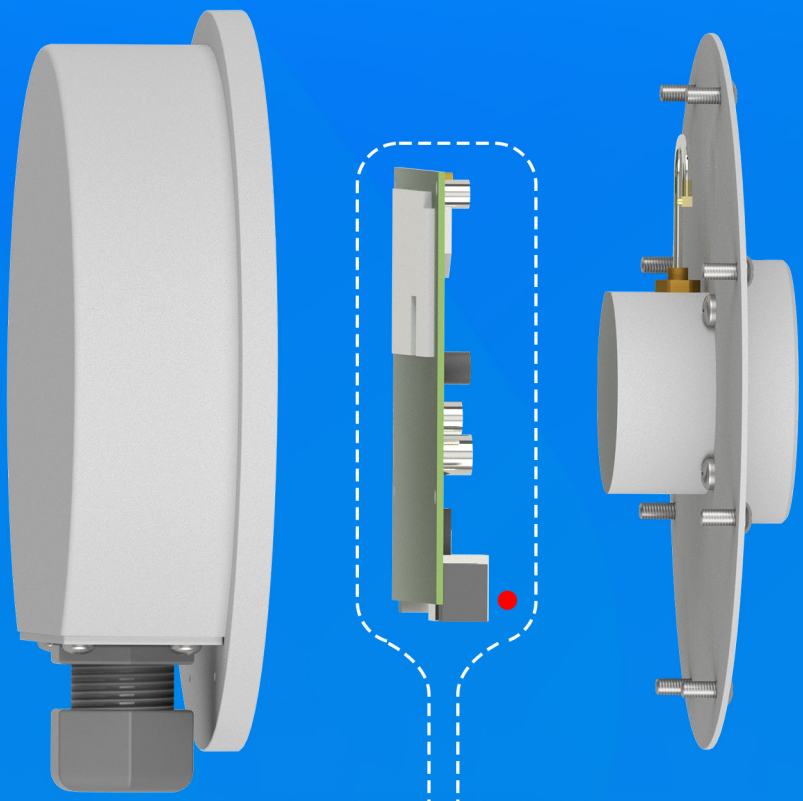
RAYABOX

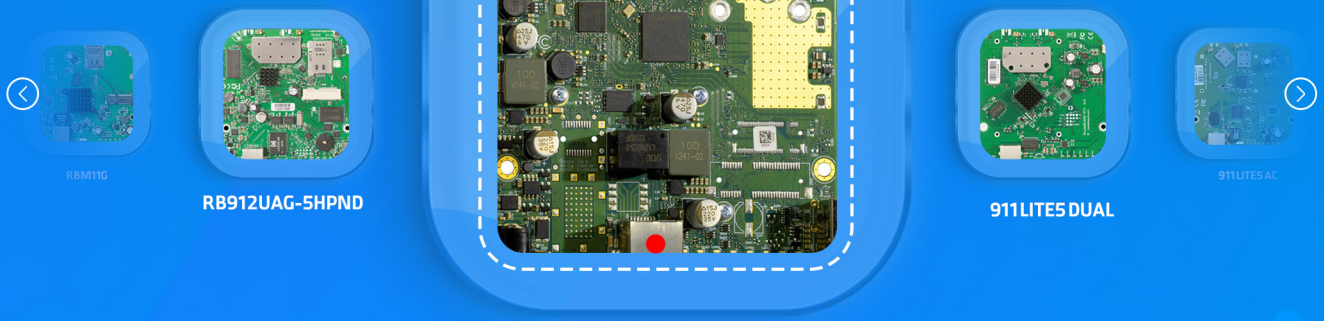
Rayawave Radio Specifications

Rayabox Radio Unit features the latest radio design, compatible with all RayaWave antennas. It uses Routerboards from the renowned and well-known brand MIKROTIK, and after passing all field and operational tests, it is safe to say that our product can be used in frequency ranges of **4700 Mhz** to **6400 Mhz**.

RAYABOX

Rayawave Radio Specifications-cont'd





L11UG-5HAXD

RAYABOX IS COMPATIBLE WITH MOST MIKROTIK ROUTERBOARDS.

L11UG-5HAXD | RBM11G | RB911G-5HPND | RB912UAG-5HPND

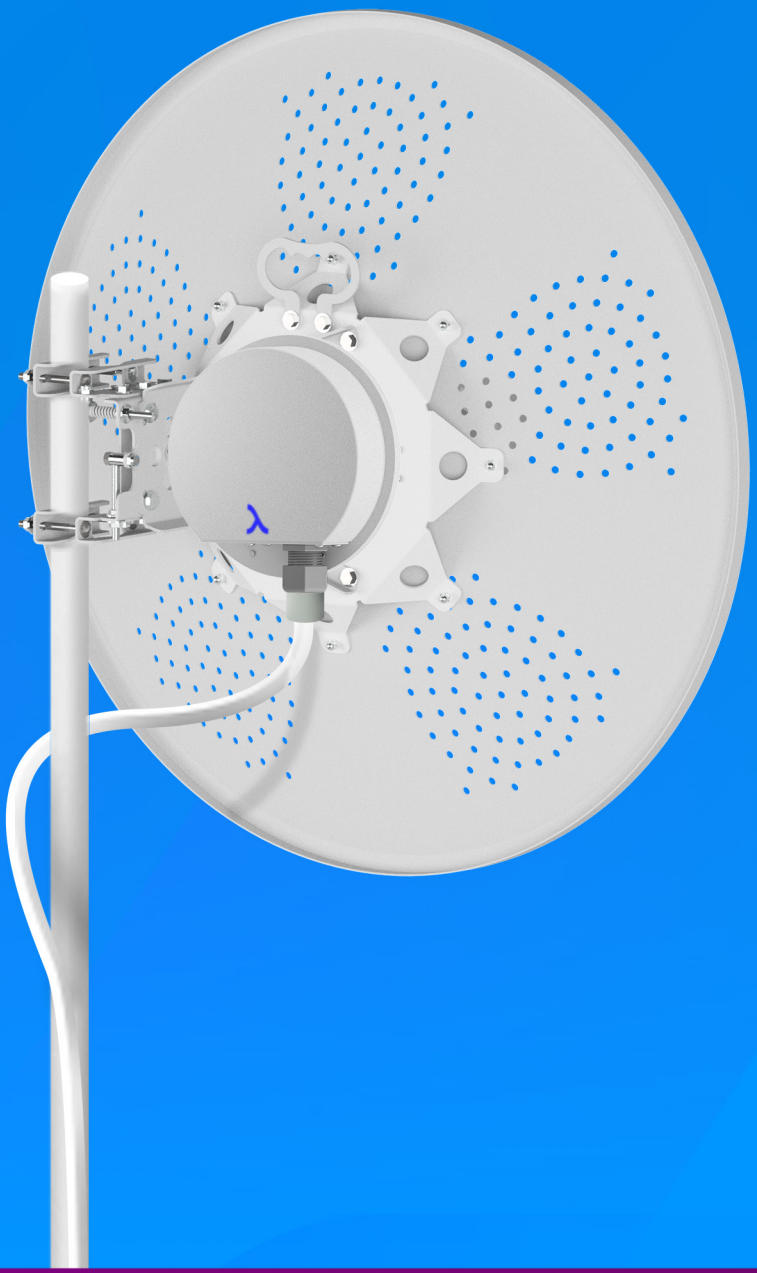
RB912UAG-2HPND | RB922UAGS-5HPACD | L23UGSR-5HAXD2HAXD

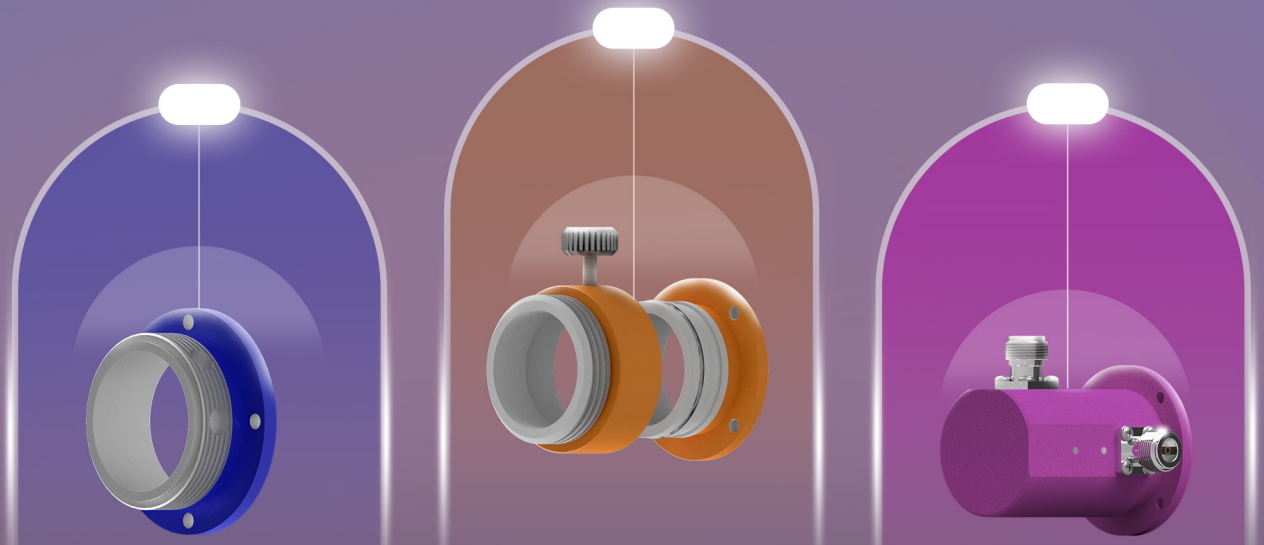
RAYABOX

Rayawave Radio Specifications-cont'd

SPEC SHEET

ANTENNA CONNECTION	RAYABOX TWIST ADAPTER WAVEGUIDE PORT
MATERIALS	ALUMINUM ALLOY
ROUTER BOARD CONNECTION	2X RIGHT ANGLE MMCX ON RG402 CABLE
TEMPERATURE	-40°C TO +60°C (-40°F TO +140°F)
WIND SURVIVAL	160 Km/h
WEIGHT	0.55 Kg / 1.2 Lbs – single unit
RETAIL BOX	18.9 × 18.0 × 6.6 Cm
PACKING BOX	92.0 × 38.0 × 22.0 Cm
INGRESS PROTECTION	IP66
FREQUENCY RANGE	4700Mhz - 6400Mhz





RAYAWAVE

Adapters

Adapters

TwistPort Adapters

RayaBox Adapter

Mimosa Adapter

Standard Adapter

Adapters

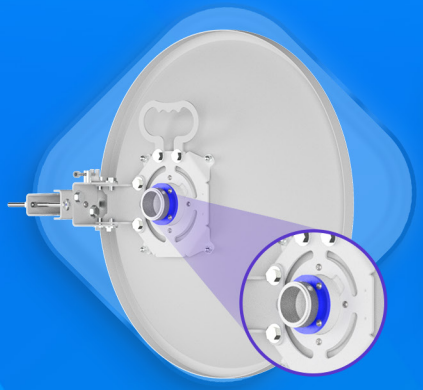
TwistPort Adapter - cont'd

Rayawave antennas are designed for seamless integration with most radios available on the market. Each antenna comes with set of adapters and mount kits included in the product box, ensuring compatibility and easy installation.

Dedicated mount kits have been designed for Mikrotik and Mimosa brands to facilitate the installation of radios on the back of Rayawave antennas.

Adapters

TwistPort Adapter cont'd



Raya Adapter

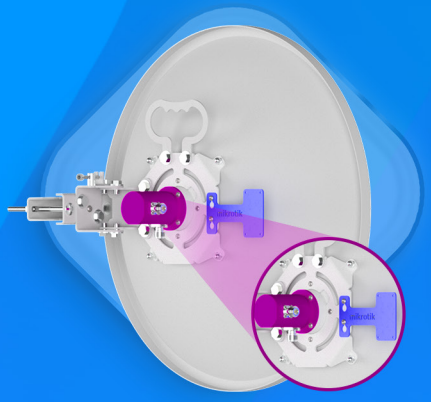
Using the Raya adapter , Rayawave radios can be easily connected to Rayawave antennas without any cable connections .

1

X Adapter

Using the X adapter from Rayawave, Mimosa X series can be easily connected to Rayawave antennas without any cable connections.

2



N-type Adapter

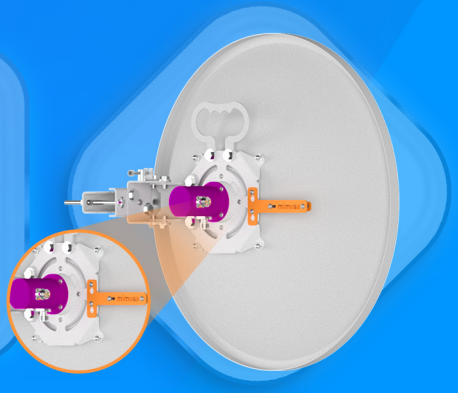
MikroTik Mount Kit
Using the N-type adapter from Rayawave and the mount kit provided in the product box, you can easily connect all MikroTik radios that support N-type ports to Rayawave antennas with optimal performance.

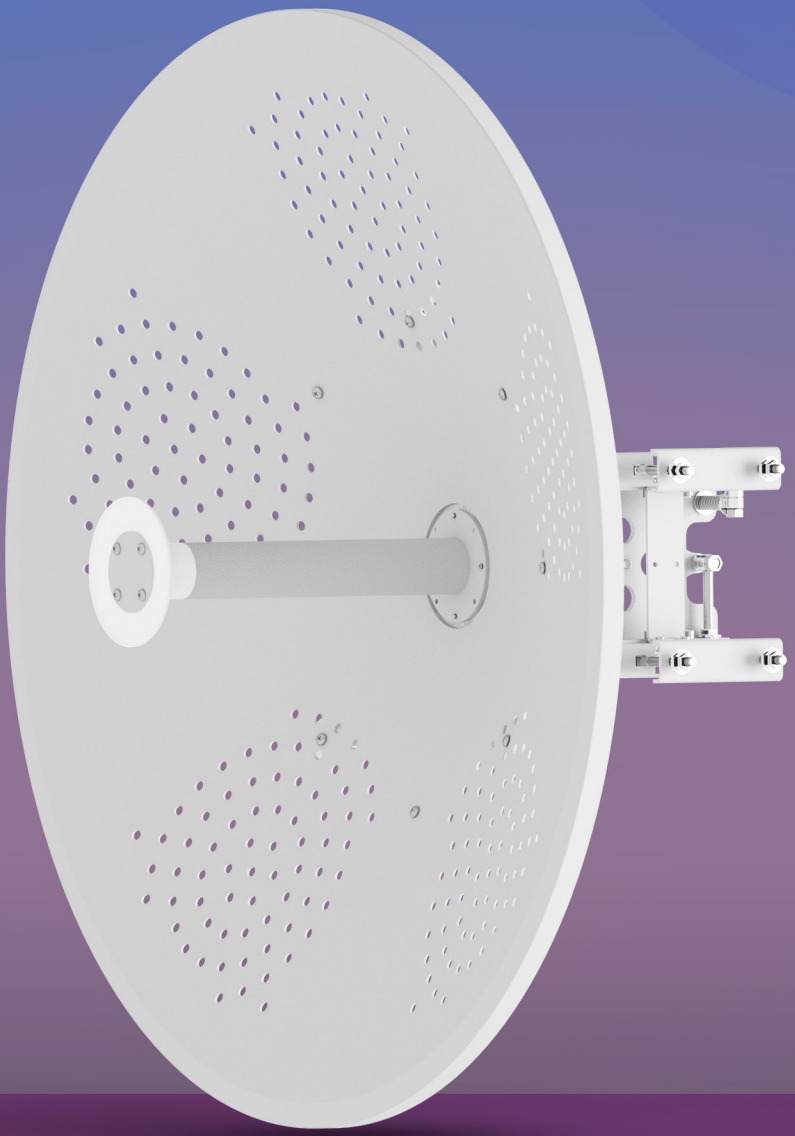
3

N-type Adapter

Mimosa Mount Kit
Using the N-type adapter from Rayawave and the mount kit provided in the product box, you can easily connect all Mimosa radios that support N-type ports to Rayawave antennas with optimal performance.

4



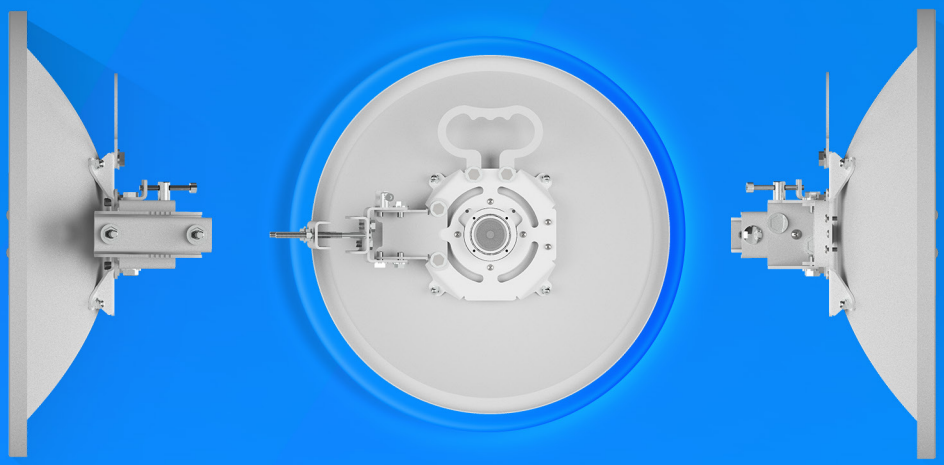


RAYAWAVE

Antennas

RW-C2505 HP

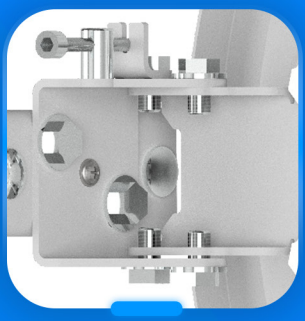
Rayawave Antenna Specifications



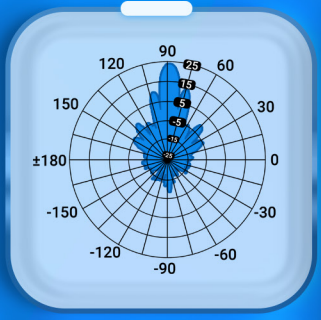
C2505HP

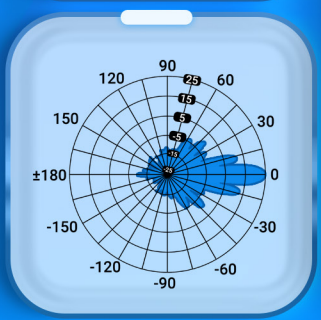
RW-C2505 HP

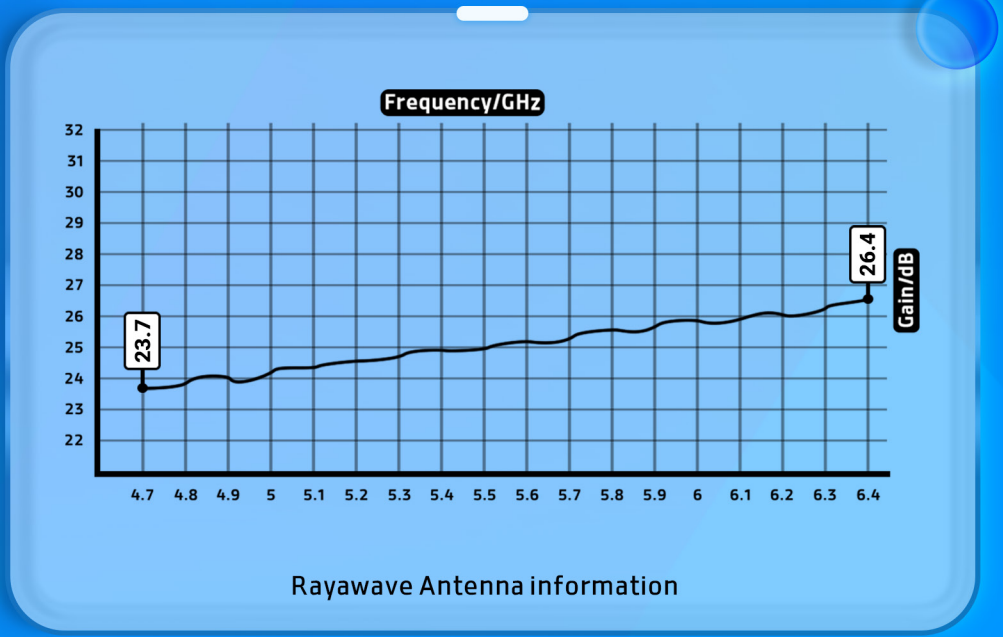
Rayawave Antenna Specifications



- **Product Model**
  RW-C2505 HP
- **Antenna Type**
  Parabolic Solid Dish Antenna
- **Frequency Range**
  4.7 - 6.4 Ghz
- **Impedance**
  50 Ω
- **Polarization**
  Vertical and Horizental
- **Antenna Gain**
  25dBi
- **Waight**
  net: 2800 gr
- **S.W.R in Bandwidth**
  <1.4:1(TyP)
- **Single Unit Dimension**
  430 × 430 × 300mm
- **Oprating Temprature**
  -40C° to +80C°
- **Wind Resistance**
  200/150 km/h
- **H/E plan beamwidth**
  7.5 degree
- **Connector Type**
  2x Ntype-Female RP Connectors
- **Mechanical Pan/Tilt**
  ±15°
- **Max/Min Gain**
  in 6400Mhz(26.4dBi) & in 4700Mhz(23.7dBi)
- **Front to Back Ratio**
  ≥43dB
- **ETSI Specification**
  EN 302 326 DN2-DN5
- **Mounting Kit Style**
  Easy Mount Kit
- **Materials**
  Aluminium alloy and UV Resistant polimer
- **F/D Ratio**
  0.25







Rayawave Antenna information

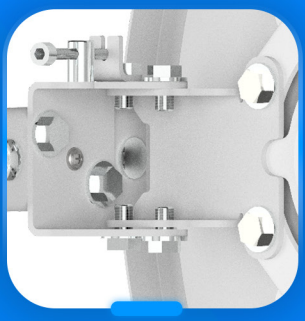
RW-C2705 HP

Rayawave Antenna Specifications

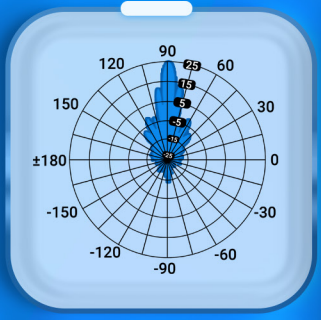
C2705

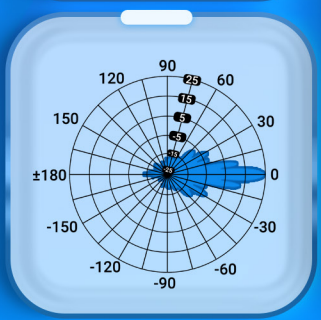
RW-C2705 HP

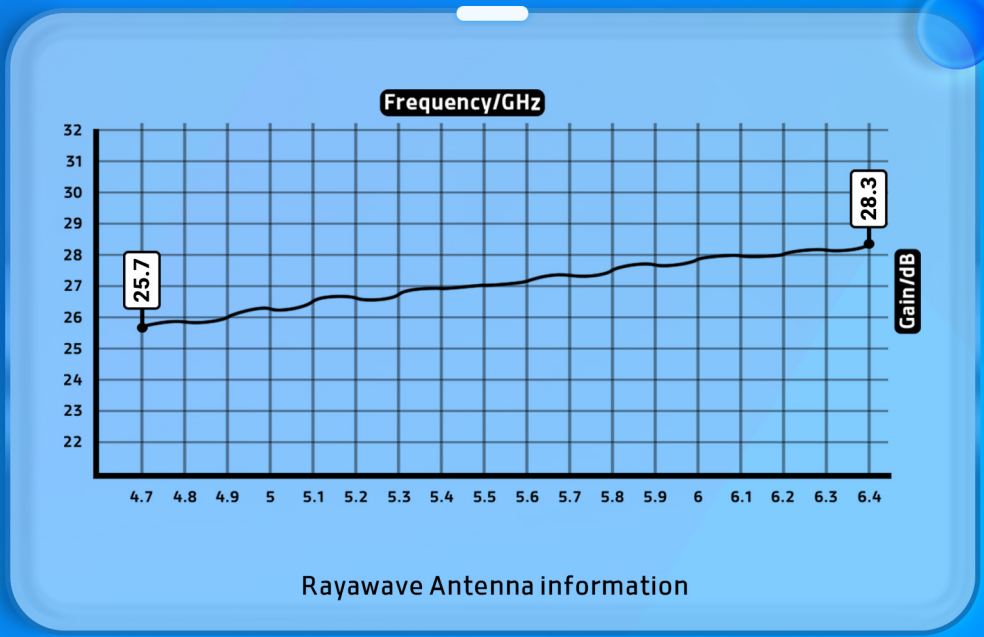
Rayawave Antenna Specifications-cont'd



- **Product Model**
  RW-C2705 HP
- **Antenna Type**
  Parabolic Solid Dish Antenna
- **Frequency Range**
  4.7 - 6.4 Ghz
- **Impedance**
  50 Ω
- **Polarization**
  Vertical and Horizental
- **Antenna Gain**
  27dBi
- **Waight**
  net: 3200 gr
- **S.W.R in Bandwidth**
  <1.4:1(TyP)
- **Single Unit Dimension**
  530 × 530 × 320mm
- **Oprating Temprature**
  -40C° to +80C°
- **Wind Resistance**
  200/150 km/h
- **H/E plan beamwidth**
  6.1 degree
- **Connector Type**
  2x Ntype-Female RP Connectors
- **Mechanical Pan/Tilt**
  ±15°
- **Max/Min Gain**
  in 6400Mhz(28.3dBi) & in 4700Mhz(25.7dBi)
- **Front to Back Ratio**
  ≥46dB
- **ETSI Specification**
  EN 302 326 DN2-DN5
- **Mounting Kit Style**
  Easy Mount Kit
- **Materials**
  Aluminium alloy and UV Resistant polimer
- **F/D Ratio**
  0.25



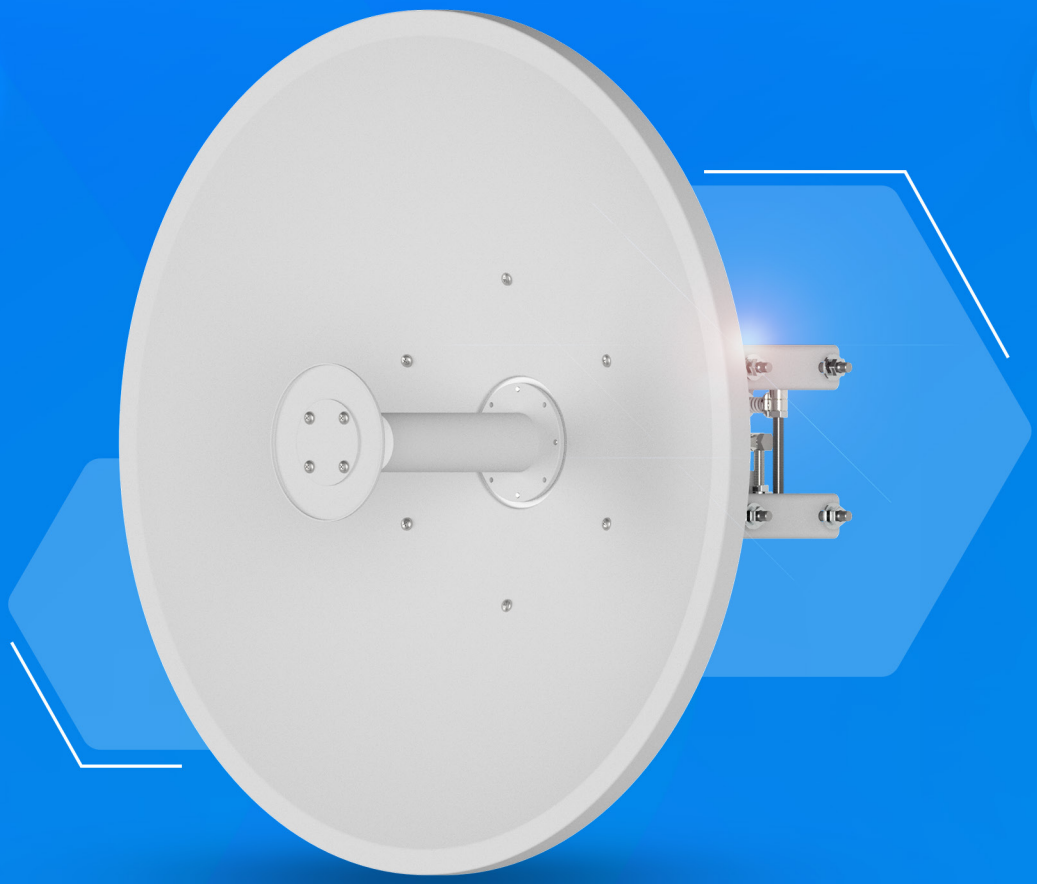


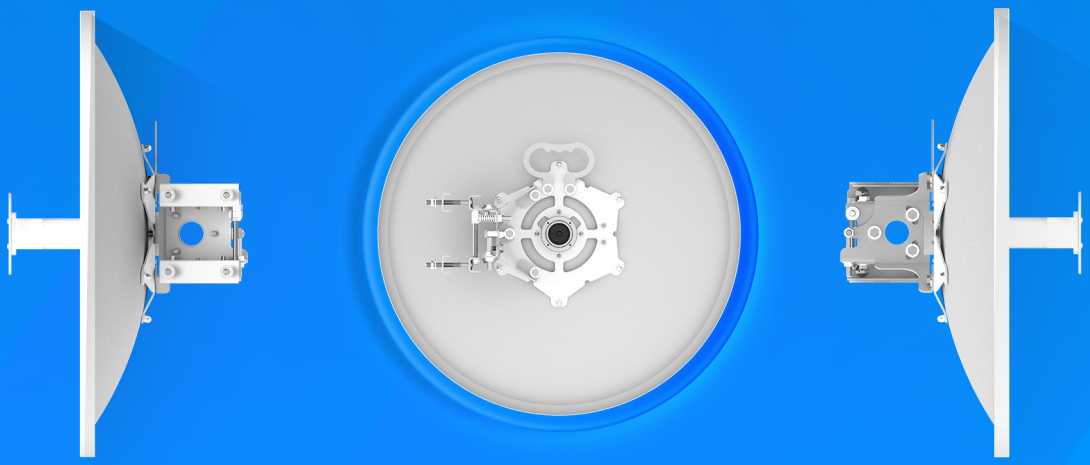


Rayawave Antenna information

RW-C3005

Rayawave Antenna Specifications



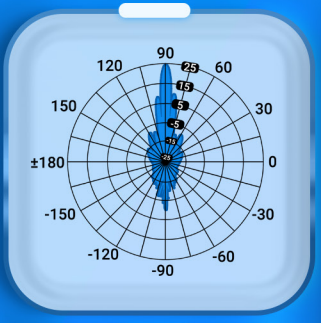


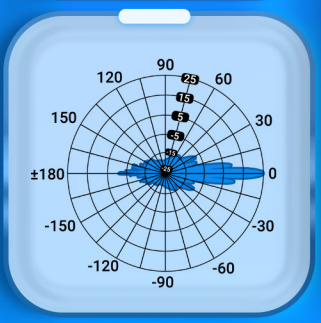
C3005

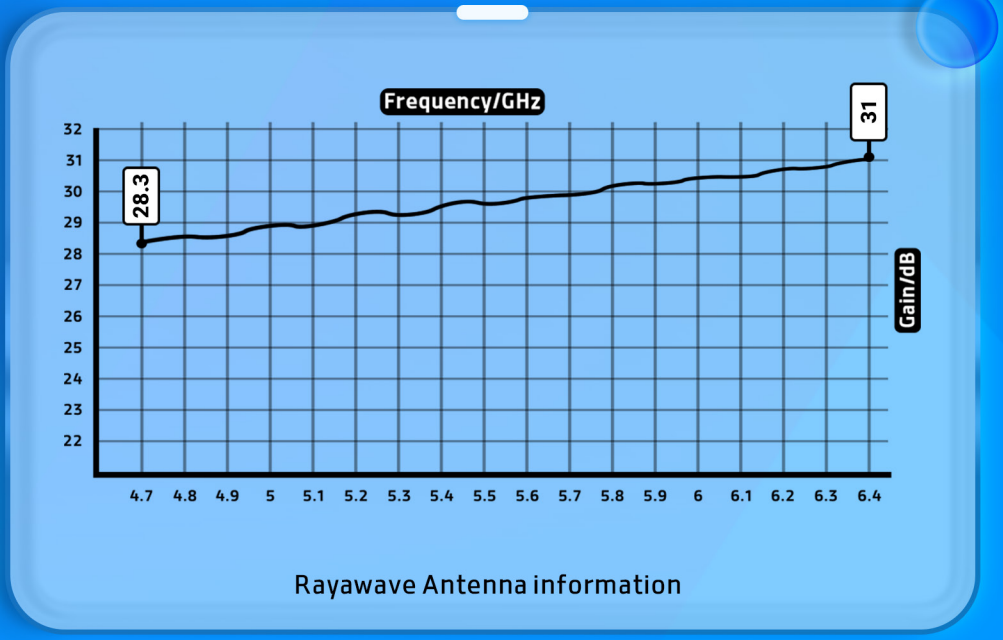
RW-C3005

Rayawave Antenna Specifications-cont'd

- **Product Model**
  RW-C3005
- **Antenna Type**
  Parabolic Solid Dish Antenna
- **Frequency Range**
  4.7 - 6.4 Ghz
- **Impedance**
  50 Ω
- **Polarization**
  Vertical and Horizental
- **Antenna Gain**
  30dBi
- **Waight**
  net: 5300 gr
- **S.W.R in Bandwidth**
  <1.4:1(TyP)
- **Single Unit Dimension**
  650 × 650 × 380mm
- **Oprating Temprature**
  -40C° to +80C°
- **Wind Resistance**
  200/150 km/h
- **H/E plan beamwidth**
  5 degree
- **Connector Type**
  2x Ntype-Female RP Connectors
- **Mechanical Pan/Tilt**
  ±15°
- **Max/Min Gain**
  in 6400Mhz(31dBi) & in 4700Mhz(28.3dBi)
- **Front to Back Ratio**
  ≥40dB
- **ETSI Specification**
  EN 302 326 DN2-DN5
- **Mounting Kit Style**
  Easy Mount Kit
- **Materials**
  Aluminium alloy and UV Resistant polimer
- **F/D Ratio**
  0.36







Rayawave Antenna information

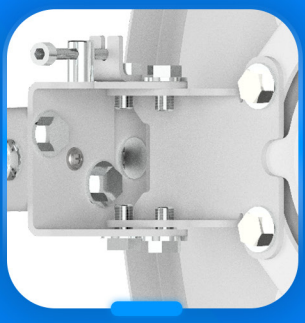
RW-C3005 HP

Rayawave Antenna Specifications

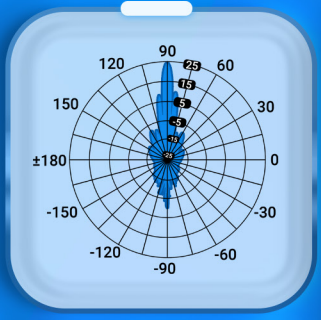
C3005

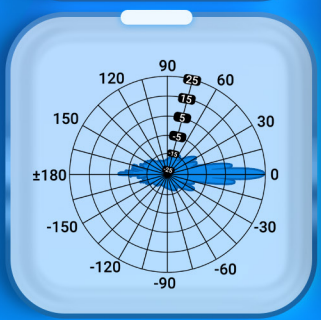
RW-C3005 HP

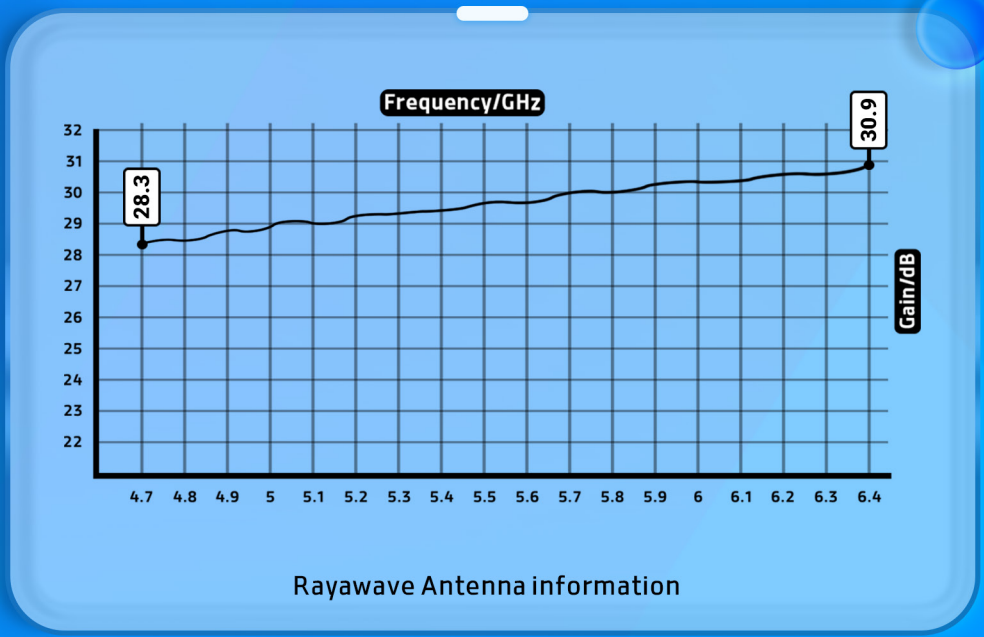
Rayawave Antenna Specifications-cont'd



- **Product Model**
  RW-C3005 HP
- **Antenna Type**
  Parabolic Solid Dish Antenna
- **Frequency Range**
  4.7 - 6.4 Ghz
- **Impedance**
  50 Ω
- **Polarization**
  Vertical and Horizental
- **Antenna Gain**
  30dBi
- **Waight**
  net: 5900gr
- **S.W.R in Bandwidth**
  <1.4:1(TyP)
- **Single Unit Dimension**
  670 × 670 × 335
- **Oprating Temprature**
  -40C° to +80C°
- **Wind Resistance**
  200/150 km/h
- **H/E plan beamwidth**
  4.8 degree
- **Connector Type**
  2x Ntype-Female RP Connectors
- **Mechanical Pan/Tilt**
  ±15°
- **Max/Min Gain**
  in 6400Mhz(30.9dBi) & in 4700Mhz(28.3dBi)
- **Front to Back Ratio**
  ≥40dB
- **ETSI Specification**
  EN 302 326 DN2-DN5
- **Mounting Kit Style**
  Easy Mount Kit
- **Materials**
  Aluminium alloy and UV Resistant polimer
- **F/D Ratio**
  0.25



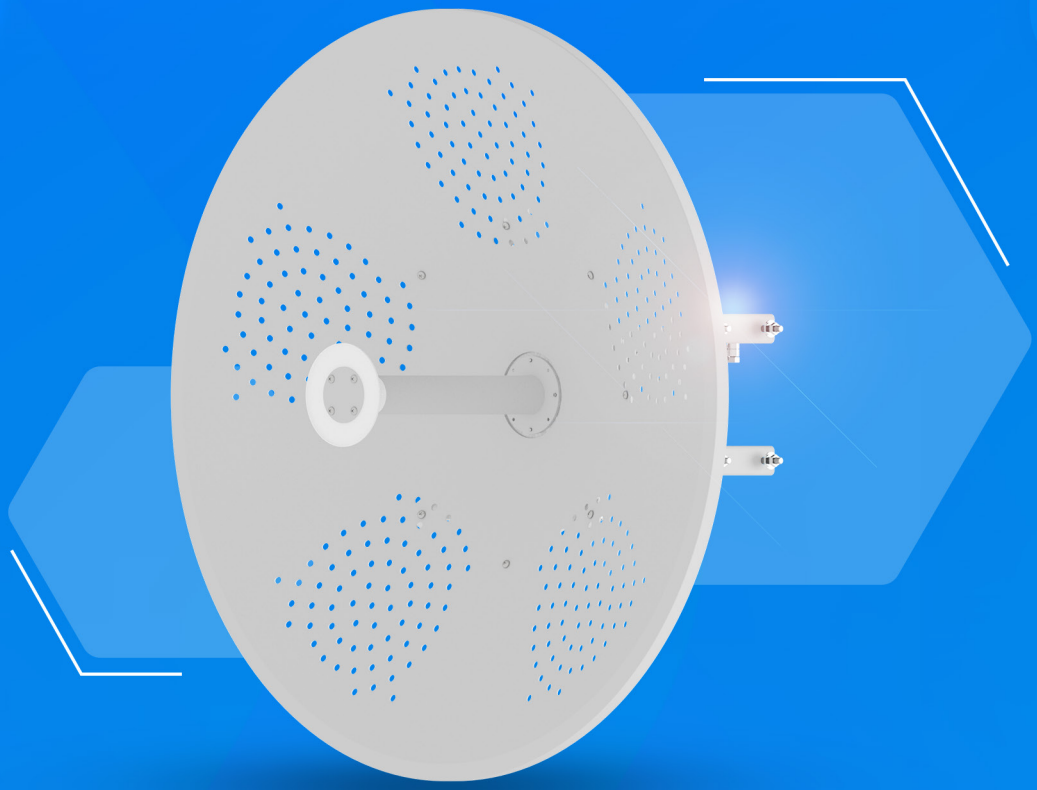


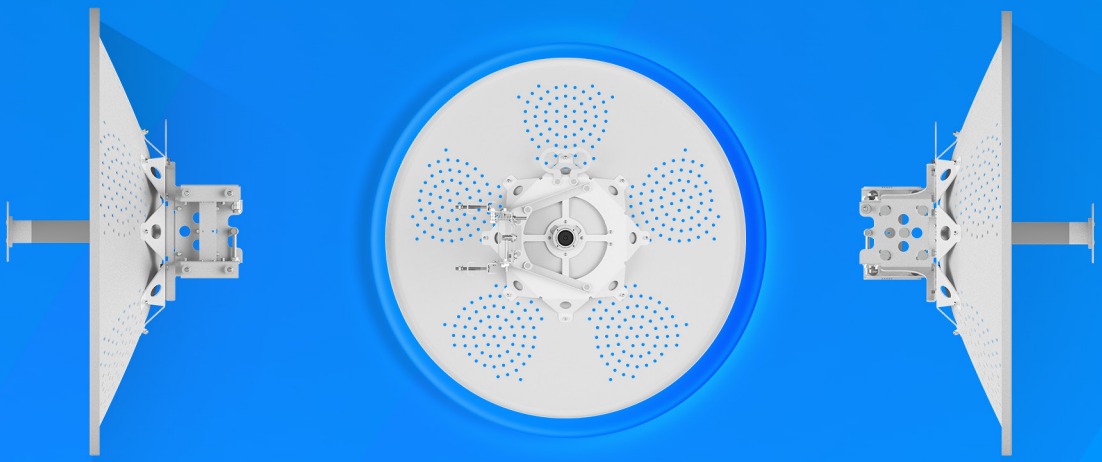


Rayawave Antenna information

RW-C3205

Rayawave Antenna Specifications



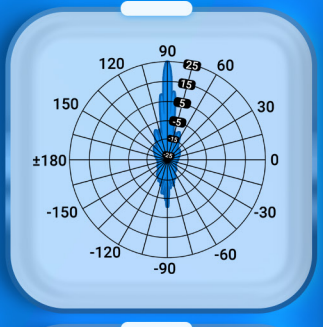


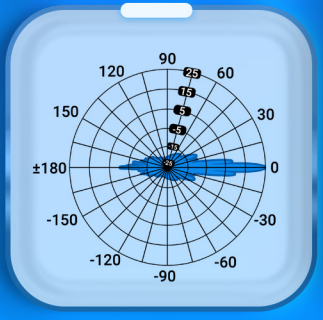
C3205

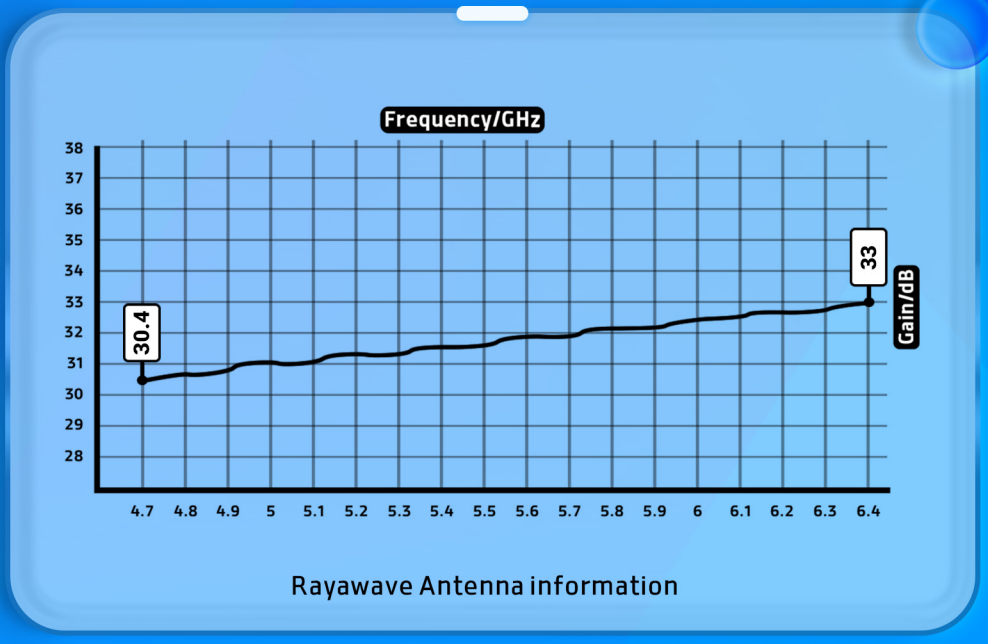
RW-C3205

Rayawave Antenna Specifications-cont'd

- **Product Model**
  RW-C3205
- **Antenna Type**
  Parabolic Solid Dish Antenna
- **Frequency Range**
  4.7 - 6.4 Ghz
- **Impedance**
  50 Ω
- **Polarization**
  Vertical and Horizental
- **Antenna Gain**
  32dBi
- **Waight**
  net: 9800gr
- **S.W.R in Bandwidth**
  <1.4:1(TyP)
- **Single Unit Dimension**
  890 × 890 × 508mm
- **Oprating Temprature**
  -40C° to +80C°
- **Wind Resistance**
  200/150 km/h
- **H/E plan beamwidth**
  3.6 degree
- **Connector Type**
  2x Ntype-Female RP Connectors
- **Mechanical Pan/Tilt**
  ±15°
- **Max/Min Gain**
  in 6400Mhz(33dBi) & in 4700Mhz(30.4dBi)
- **Front to Back Ratio**
  ≥54dB
- **ETSI Specification**
  EN 302 326 DN2-DN5
- **Mounting Kit Style**
  Easy Mount Kit
- **Materials**
  Aluminium alloy and UV Resistant polimer
- **F/D Ratio**
  0.36



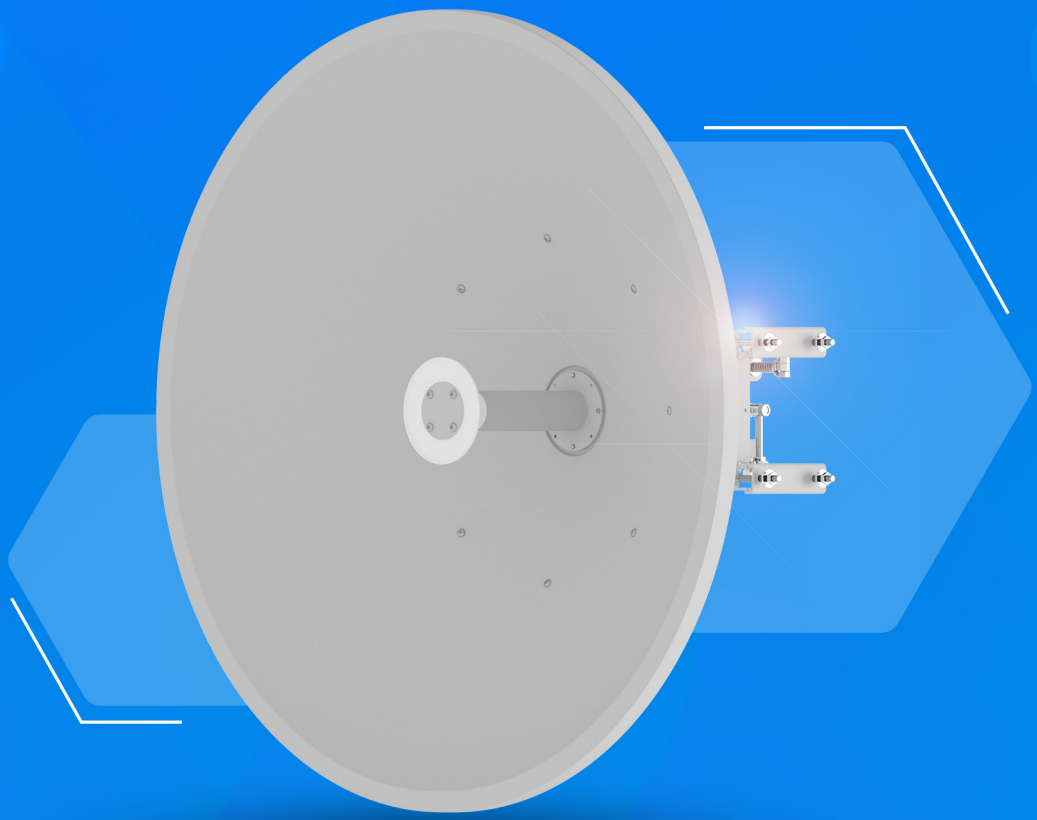




Rayawave Antenna information

RW-C3205 HP

Rayawave Antenna Specifications

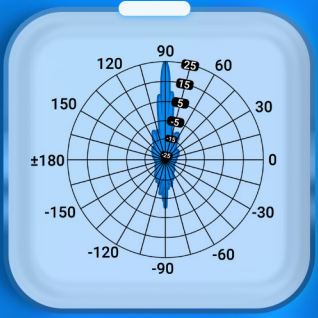


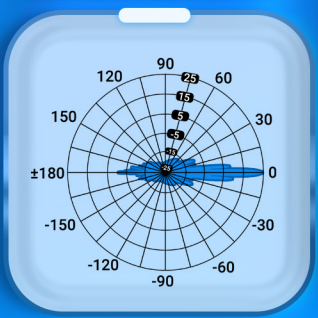
C3205HP

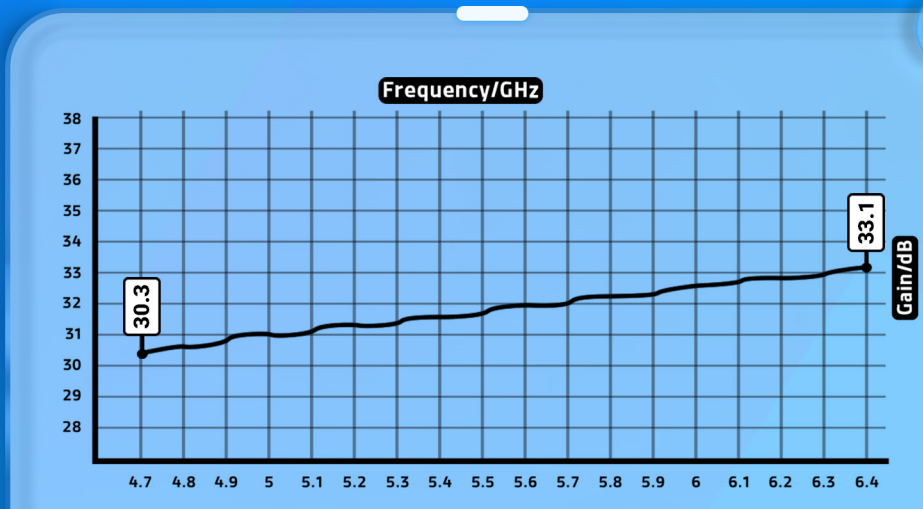
RW-C3205 HP

Rayawave Antenna Specifications-cont'd

- **Product Model**
  RW-C3205 HP
- **Antenna Type**
  Parabolic Solid Dish Antenna
- **Frequency Range**
  4.7 - 6.4 Ghz
- **Impedance**
  50 Ω
- **Polarization**
  Vertical and Horizental
- **Antenna Gain**
  32dBi
- **Waight**
  net: 9800 gr
- **S.W.R in Bandwidth**
  <1.4:1(TyP)
- **Single Unit Dimension**
  895 × 895 × 420
- **Oprating Temprature**
  -40C° to +80C°
- **Wind Resistance**
  200/150 km/h
- **H/E plan beamwidth**
  3.6 degree
- **Connector Type**
  2x Ntype-Female RP Connectors
- **Mechanical Pan/Tilt**
  ±15°
- **Max/Min Gain**
  in 6400Mhz(33.1dBi) & in 4700Mhz(30.3dBi)
- **Front to Back Ratio**
  ≥43dB
- **ETSI Specification**
  EN 302 326 DN2-DN5
- **Mounting Kit Style**
  Easy Mount Kit
- **Materials**
  Aluminium alloy and UV Resistant polimer
- **F/D Ratio**
  0.25



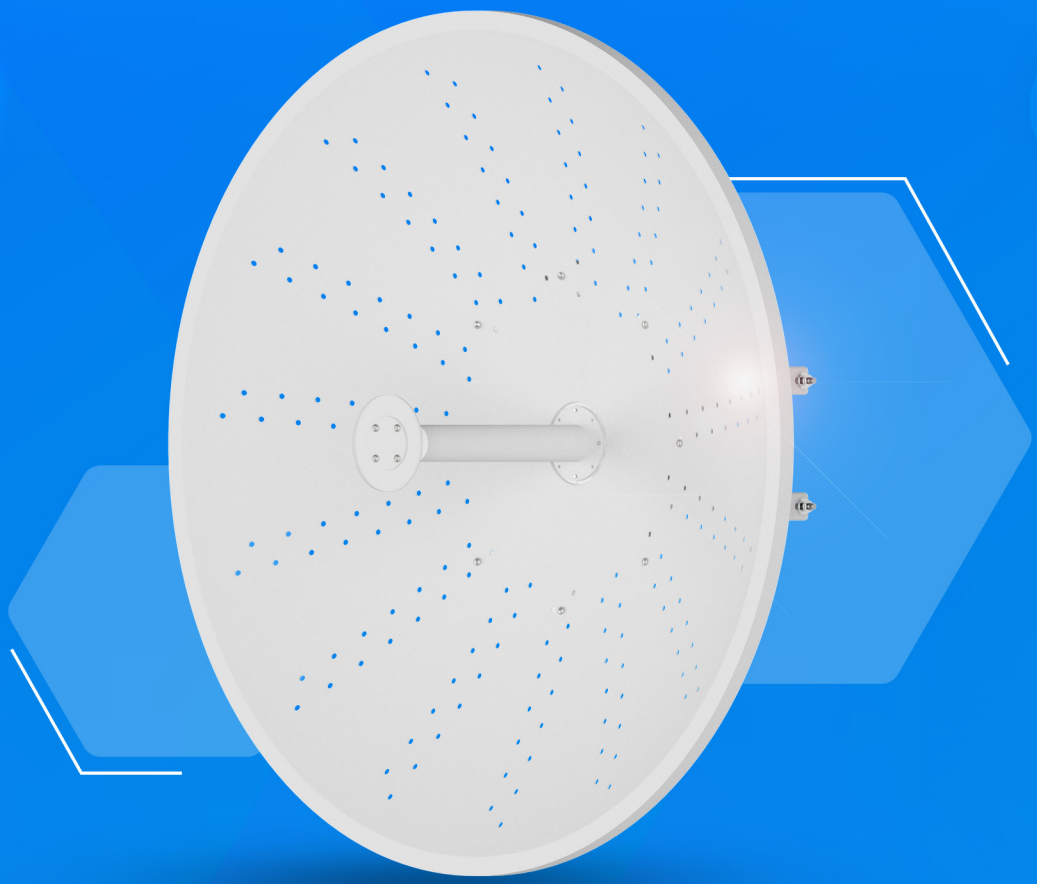


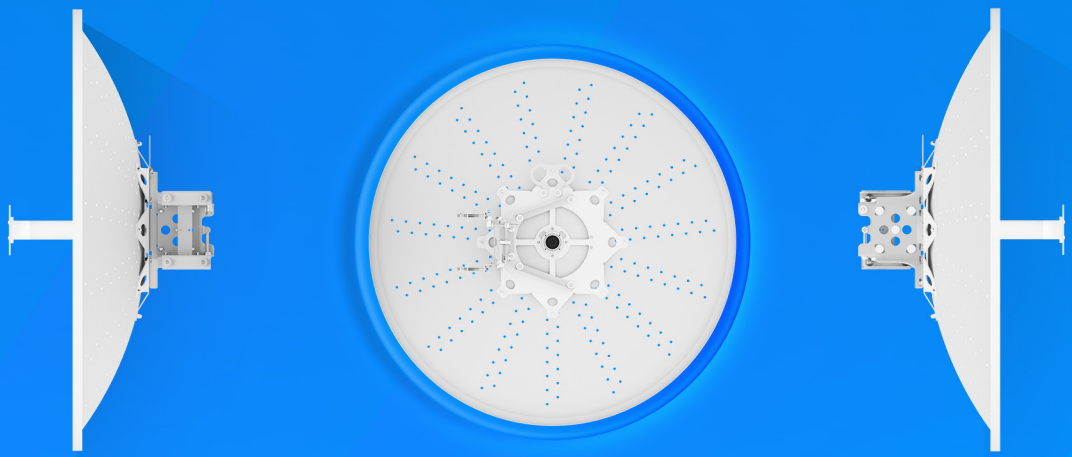


Rayawave Antenna information

RW-C3405

Rayawave Antenna Specifications



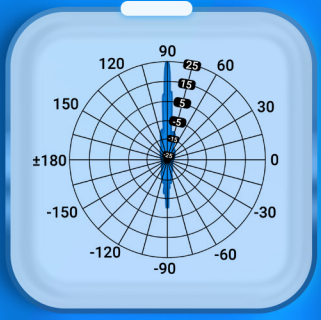


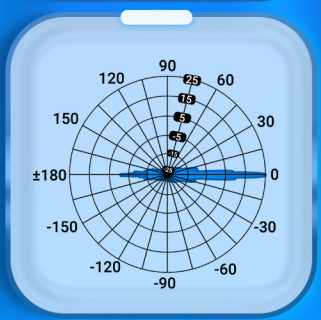
C340E

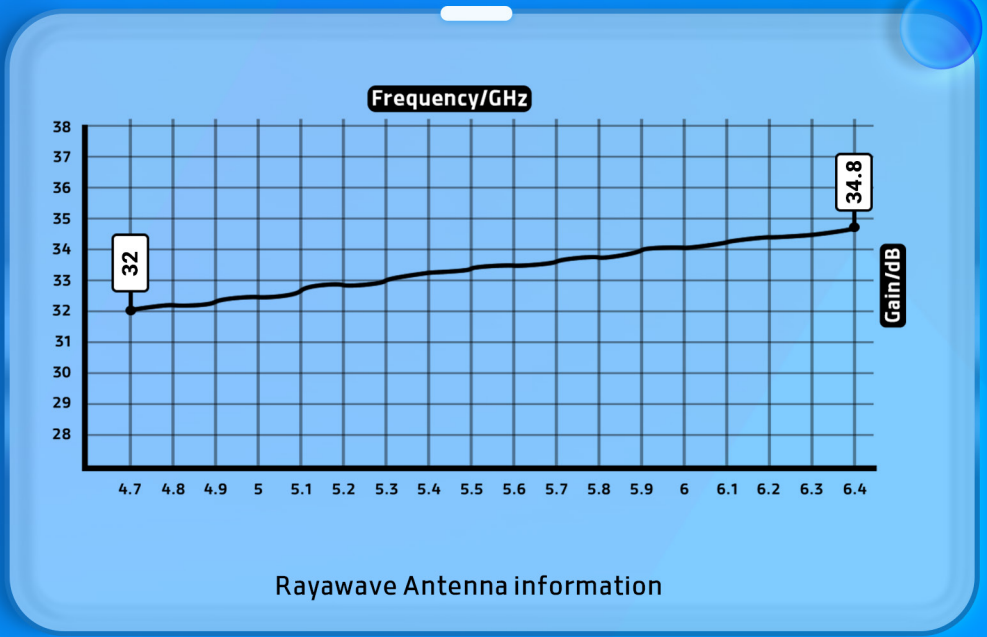
RW-C3405

Rayawave Antenna Specifications-cont'd

- **Product Model**
  RW-C3405
- **Antenna Type**
  Parabolic Solid Dish Antenna
- **Frequency Range**
  4.7 - 6.4 Ghz
- **Impedance**
  50 Ω
- **Polarization**
  Vertical and Horizental
- **Antenna Gain**
  34dBi
- **Waight**
  net: 11200 gr
- **S.W.R in Bandwidth**
  <1.4:1(TyP)
- **Single Unit Dimension**
  1050 × 1050 × 525 mm
- **Oprating Temprature**
  -40C° to +80C°
- **Wind Resistance**
  200/150 km/h
- **H/E plan beamwidth**
  3.1 degree
- **Connector Type**
  2x Ntype-Female RP Connectors
- **Mechanical Pan/Tilt**
  ±15°
- **Max/Min Gain**
  in 6400Mhz(34.8dBi) & in 4700Mhz(32dBi)
- **Front to Back Ratio**
  ≥56dB
- **ETSI Specification**
  EN 302 326 DN2-DN5
- **Mounting Kit Style**
  Easy Mount Kit
- **Materials**
  Aluminium alloy and UV Resistant polimer
- **F/D Ratio**
  0.36



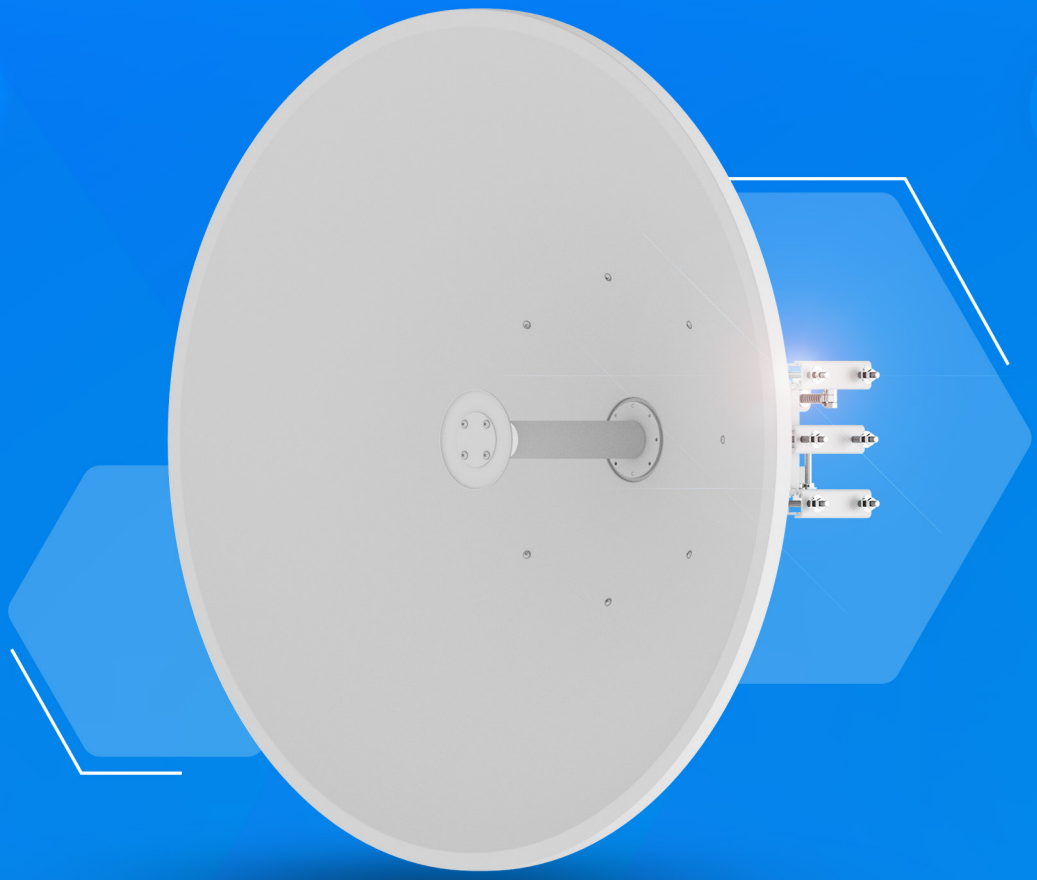




Rayawave Antenna information

RW-C3405 HP

Rayawave Antenna Specifications

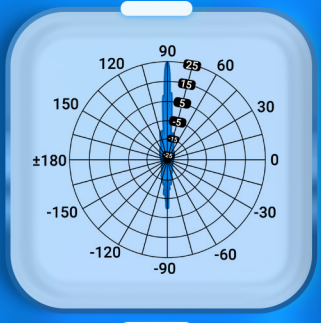


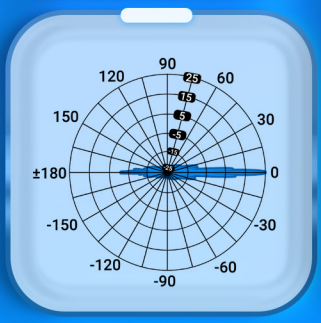
C3405HP

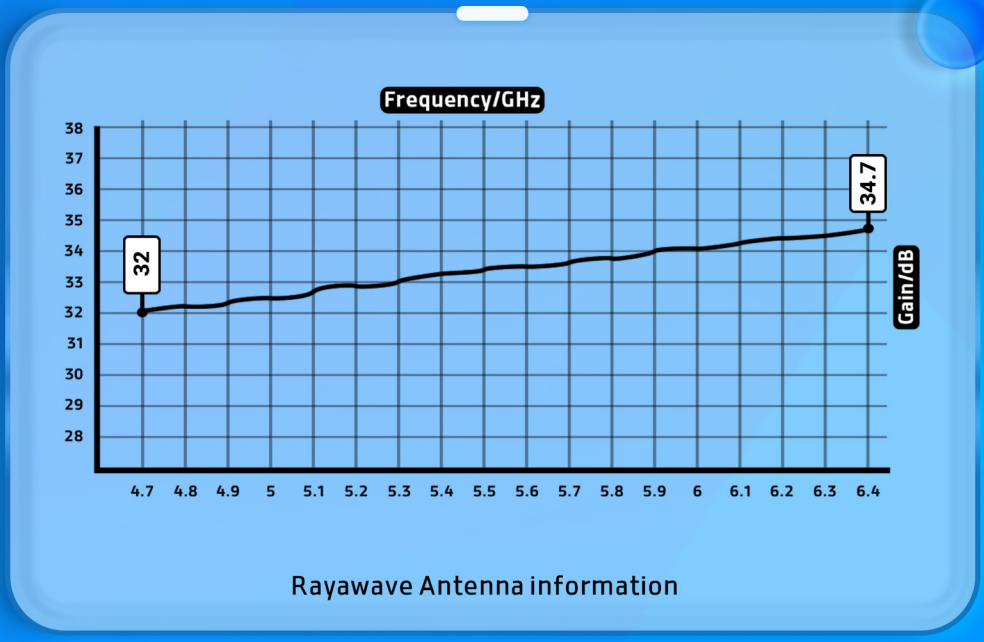
RW-C3405 HP

Rayawave Antenna Specifications-cont'd

- **Product Model**
  RW-C3405 HP
- **Antenna Type**
  Parabolic Solid Dish Antenna
- **Frequency Range**
  4.7 - 6.4 Ghz
- **Impedance**
  50 Ω
- **Polarization**
  Vertical and Horizental
- **Antenna Gain**
  34dBi
- **Waight**
  net: 13500 gr
- **S.W.R in Bandwidth**
  <1.4:1(TyP)
- **Single Unit Dimension**
  1027 × 1027 × 427mm
- **Oprating Temprature**
  -40C° to +80C°
- **Wind Resistance**
  200/150 km/h
- **H/E plan beamwidth**
  3.1 degree
- **Connector Type**
  2x Ntype-Female RP Connectors
- **Mechanical Pan/Tilt**
  ±15°
- **Max/Min Gain**
  in 6400Mhz(34.7dBi) & in 4700Mhz(32dBi)
- **Front to Back Ratio**
  ≥56dB
- **ETSI Specification**
  EN 302 326 DN2-DN5
- **Mounting Kit Style**
  Easy Mount Kit
- **Materials**
  Aluminium alloy and UV Resistant polimer
- **F/D Ratio**
  0.25



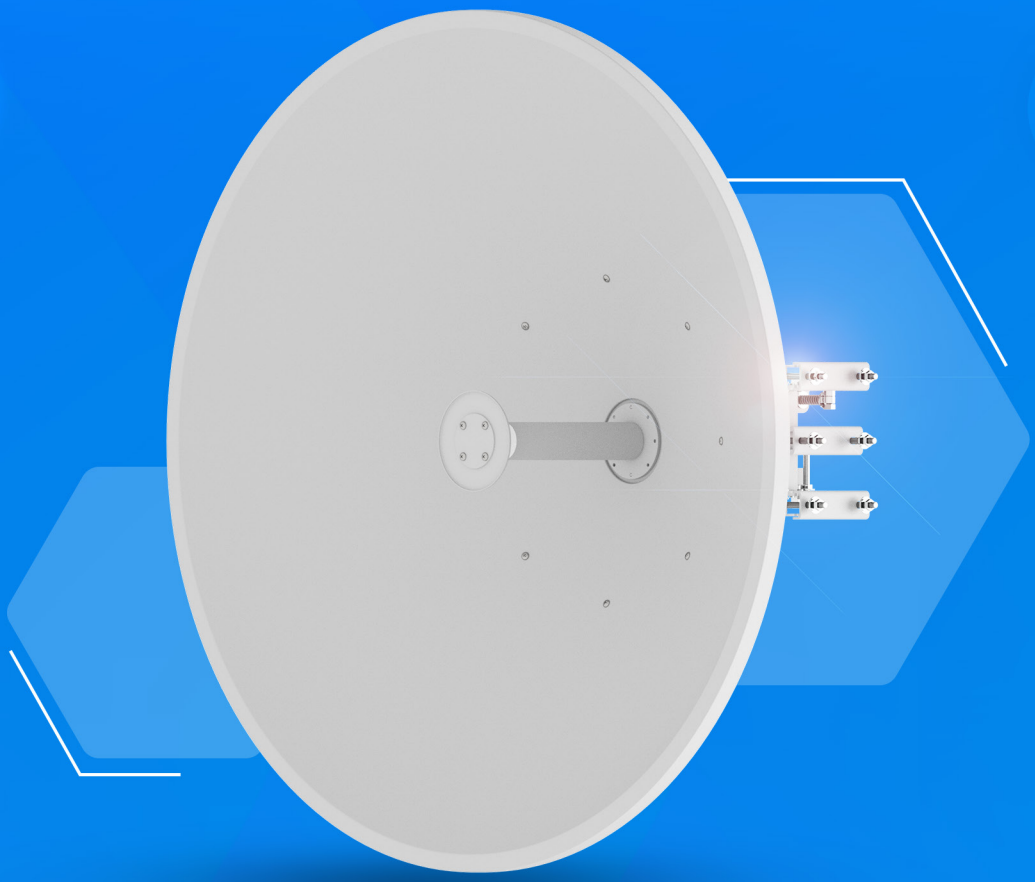




Rayawave Antenna information

RW-C3605 HP

Rayawave Antenna Specifications

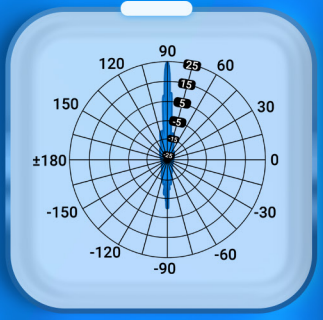


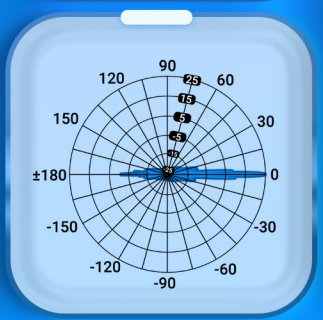
C3605H

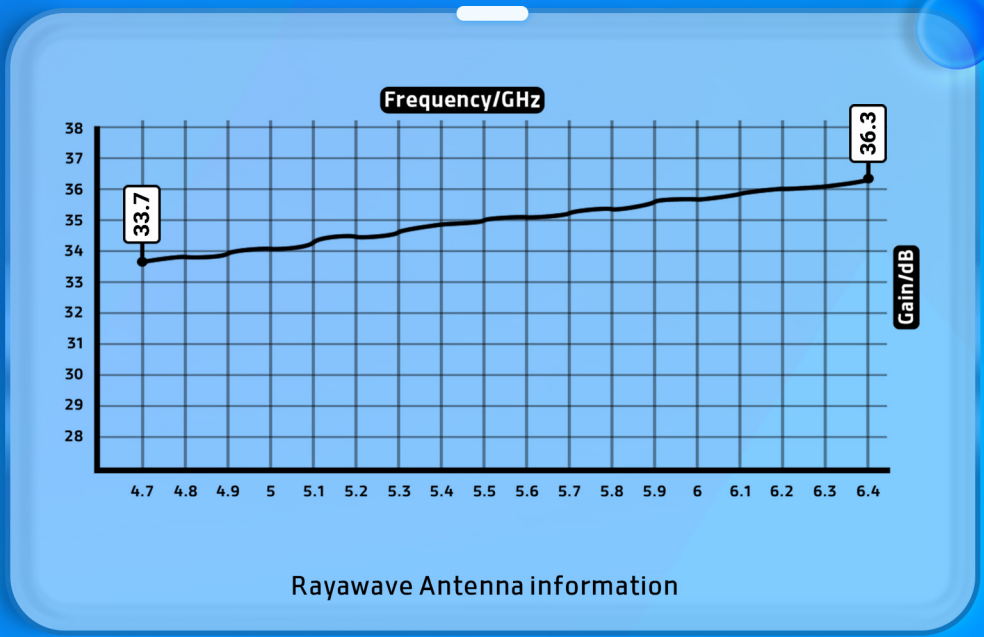
RW-C3605 HP

Rayawave Antenna Specifications-cont'd

- **Product Model**
  RW-C3605 HP
- **Antenna Type**
  Parabolic Solid Dish Antenna
- **Frequency Range**
  4.7 - 6.4 Ghz
- **Impedance**
  50 Ω
- **Polarization**
  Vertical and Horizental
- **Antenna Gain**
  36dBi
- **Waight**
  net: 14200 gr
- **S.W.R in Bandwidth**
  <1.4:1(TyP)
- **Single Unit Dimension**
  1250 × 1250 × 470mm
- **Oprating Temprature**
  -40C° to +80C°
- **Wind Resistance**
  200/150 km/h
- **H/E plan beamwidth**
  2.6 degree
- **Connector Type**
  2x Ntype-Female RP Connectors
- **Mechanical Pan/Tilt**
  ±15°
- **Max/Min Gain**
  in 6400Mhz(36.3dBi) & in 4700Mhz(33.7dBi)
- **Front to Back Ratio**
  ≥57dB
- **ETSI Specification**
  EN 302 326 DN2-DN5
- **Mounting Kit Style**
  Easy Mount Kit
- **Materials**
  Aluminium alloy and UV Resistant polimer
- **F/D Ratio**
  0.25







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Rayawave
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