



# Base Station Antennas for Sustainable Outdoor Wireless Networks

Product selection guide for Europe, Middle East & Africa

July 2024

COMMScope®

# Grow your network and protect the planet. **Yes, you can.**

The outdoor wireless industry has reached a tipping point—two actually. One will determine if 2.9 billion people, more than a third of the world, will have access to high-speed broadband with all its economic and social benefits; the other will influence the course of climate change and the degree to which it disrupts how and where we live.

To accomplish both, outdoor wireless networks must continue to expand and evolve—simplifying 5G rollouts, adding network capacity, expanding capabilities. but not at the expense of the environment. The decisions network operators make today will go a long way to determining our quality of life tomorrow. The stakes are high and CommScope Outdoor Wireless Networks (OWN) is ready.

## Simplifying and innovating everywhere it matters

CommScope OWN is one of four CommScope-operated business segments. As an industry-leading developer of RF path solutions for mobile networks, customers look to us for the future-ready, sustainable solutions that help them simplify their networks and adapt to the changing needs of a complex, hyperconnected world. We respond with an end-to-end portfolio that covers nearly every aspect of the macro cellular and small cell RF path. We make everything but the radio; and every cable, component and connector delivers the CommScope quality and reliability our customers have come to expect. [Learn more](#)

## Leading the way to a sustainable future

There is no single solution to climate change or digital inequality, and no single company can solve these problems alone. That's why CommScope OWN assists our MNO customers and supply chain partners in reducing their environmental impact at every stage. We have formalized our commitment to sustainability and a circular economy into our Green and Sustainable

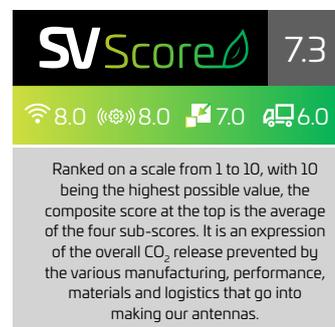
Agenda. It is based on four pillars that span the lifecycle of our products: design, manufacturing, packaging/logistics and solution lifecycles.



Our commitment to sustainability goes beyond plans on a page.

For example, our Sustainability Value Score™ initiative provides MNOs transparent, data-driven information on the ecological costs and benefits of their buying decisions.

SVScore quantifies the sustainability of our outdoor antennas, one of our core product offerings and a major factor in determining the carbon footprint of any MNO network. The SVScore label on every CommScope antenna



enables customers to quickly assess its sustainability in terms of radiation efficiency, spatial efficiency, materials usage and transportation efficiency. It provides our customers and partners with the transparent, data-based information they need to meet their own sustainability targets. [Learn more](#)



# Improving network performance and sustainability—a viable option

CommScope OWN is trusted by MNOs around the world because we build solutions that answer their RF path challenges—all their challenges. It's not always about building bigger and stronger. Sometimes it's about building smaller and smarter.

## More gain. Better performance. More flexibility for your network

CommScope's introduction of SEED™\* high-efficiency BSA proprietary technology empowers Mobile Network Operators (MNOs) to meet their sustainability objectives. This innovative technology incorporates a low-loss distribution feed network and/or advanced phase shifter technology, enhancing the antenna's radiated power relative to its input power. Consequently, the antenna's radiating efficiency is significantly improved. Depending on their network deployment strategy, MNOs can opt to improve coverage and capacity or reduce energy consumption by up to 15% while maintaining the same level of coverage and capacity.

**Up to 15%** **reduced power consumption and CO<sub>2</sub> emissions**  
while keeping the **same coverage area**

**Up to 15%** **coverage improvement**  
while keeping the **same power consumption**



## Eco-friendly materials and mounting solutions

CommScope OWN is constantly exploring new innovative materials such as glass fiber reinforced polypropylene (GFRPP) which is used to replace less eco-friendly fiber in our radomes. GFRPP is 100% recyclable and 20% lighter than conventional radome. By the end of 2024, 36-45% of our antennas will be equipped with GFRPP radomes.

We're also advancing the science of antenna mounting systems, redesigning our fixed tilt brackets to be smaller and 53% lighter than variable tilt brackets. More than reducing tower loading, eliminating downtilt brackets also helps reduce passive intermodulation (PIM) and accelerate installation.

## Right sizing the RAN

Many new sites use 32T32R or 64T64R radios with mMIMO active antennas. However, data shows that this high-capacity configuration is necessary for only 20 to 30 percent of all sites. This means most sites—particularly those serving low- and medium-capacity areas—are overprovisioned. As a result, these sites are responsible for dramatically higher power consumption, environmental impact and operating cost than are needed to support their traffic loads.

**30%** **less power use and CO<sub>2</sub> release than 32T32R**  
Up to 2,339 kWh energy savings per year  
As much as 535 kg less CO<sub>2</sub> released

**50%** **less power use and CO<sub>2</sub> release than 64T64R**  
Up to 5,000 kWh energy savings per year  
As much as 1,600 kg less CO<sub>2</sub> released

Our complete portfolio of 8T8R antennas helps MNOs right size their medium—and low-capacity sites—saving power and enabling more sustainable network growth. [Learn more](#)

# MOSAIC®: The art of combining active and passive technologies

Even as 5G rollouts continue to increase, MNOs can't afford to walk away from their still-profitable 4G networks. The problem is how to upgrade 4G cell sites to add 5G capabilities—without impacting link performance, overloading towers, increasing antenna counts, compounding network complexity or increasing the equipment footprint. Enter Mosaic.

## The MOSAIC platform

CommScope's MOSAIC is a modular, compact and upgradable antenna platform for co-siting active 5G and passive 4G capabilities without impacting signal performance, adding antennas, or increasing your equipment footprint. The solution's unique benefits lie in its ability to support passive 4G and active 5G antennas on the same frame without impeding either signal. [Learn more](#)

## How it works

MOSAIC's customizable 4G passive antenna is designed with a special "RF window that's completely reflective at the 4G frequencies and totally transparent at 5G frequencies. To add 5G capabilities to an existing 4G antenna, simply slide the new active antenna into the frame, directly behind the RF window and tighten in place. There is no need to re-optimize the existing 4G coverage.

## Unique performance advantages

The MOSAIC platform makes it simple, efficient and fast to deploy 5G while maintaining legacy network coverage and footprint. It covers every angle, opens every opportunity and checks every box:



**Simplified design, deployment and upgrades:** MOSAIC agile, plug-and-play design enables you to deploy active, passive or combined solutions as needed, where needed, quickly and without having to re-zone the site—all in a form factor no larger than existing 4G-only antennas.

**More flexible network planning:** MOSAIC is upgradable and customizable for band, length, port count and more, and supports all legacy sub-6 GHz bands. Its radio-agnostic design lets you choose the best radio for the job, including support for Open RAN.

**Reduced TCO:** MOSAIC is easy to install, requires no re-optimization of legacy 4G coverage, reduces PIM and avoids additional tower lease or reinforcement expenses. Plus, it reduces incremental site maintenance and troubleshooting costs by managing PIM effectively.

## Sustainable? Of course.

By consolidating passive and active antennas on a single streamlined frame and reducing the amount of site reinforcement needed, MOSAIC decreases the network's material requirements and their associated environmental impacts across the supply chain. The innovative design also enables active and passive antennas to be integrated or disaggregated. When deployed as a disaggregated solution—discrete active and passive antennas operating independently—the active antenna can be replaced or upgraded without replacing the passive antenna or frame. This extends the lifecycle of these components, further reducing the network's overall environmental impact.

# A best-fit antenna solution for any application

Antennas are core asset of the radio access network and from its RF environment and capacity requirements to its upgrade path, zoning issues and coverage patterns, your network is unique. That's why CommScope has devoted more than half a century to building an antenna portfolio with 500+ BSA products offered, 100 of which released last year.

Our comprehensive range of macro cell solutions makes the construction and updating of macro cell sites faster and more economical than ever before. In dynamic, densely populated urban areas our customizable small cell solutions help you densify coverage, expand capacity and improve reliability while blending into the environment. Meanwhile, CommScope Metro Cell solutions provide the perfect blend of flexibility, performance and aesthetics.

## Macro site solutions: built to perform, simplify and sustain

Our macro site antenna portfolio features multibeam, beamforming, multiport, omni and sectorized solutions in an array of sizes and configurations. With a range of application-specific antennas, you have one trusted source for all your macro base station antennas. [Learn more.](#)

## Outdoor small cell solutions: compact, concealed and capable

To enable to speed permitting, install easily and reduce re-zoning during upgrades. With support for legacy low- and mid-bands, 3.5 GHz applications, 4x MIMO and carrier aggregation, they enable you to expand coverage and improve performance as your needs change. [Learn more.](#)

## Integrated Metro Cell solutions: fully integrated, high performance

Deployable as monopoles, integrated lumieres, strand-mounted solutions and more they conceal small cell assemblies, connectivity and radios from nearly any OEM. Each can be customized—port counts/types, pole and concealment options, multiband frequencies, and pattern/tilt options—for a best-fit, site-specific solution. [Learn more.](#)

## Performance across the portfolio

Regardless of application, configuration or type, every CommScope antenna is engineered and tested to meet some of the industry's most stringent standards for performance and reliability. Tests include radiation efficiency, coverage, SINR, intercell interference, pattern dispersion and PIM, as well as a range of physical testing. The result? Antennas that perform like no others.

## Engineered for today, designed for tomorrow

When it comes to what's next, CommScope has your back. Every OWN antenna solution has the future baked in, with the upgrade options, features and band support that make sense for you. Even better, our sustainable approach to antenna development helps you lower network energy use and consolidate network elements while minimizing waste and impact across the supply chain.

## Let's get started

These are just some of the reasons to partner with CommScope for your base station antennas. On the following pages you'll find hundreds more. To get started putting our insight and experience to work for you, contact your CommScope representative.



## Antenna Color Coding

According to AISG standards, color coding is used to identify antenna RF ports and their associated AISG control ports. Color definitions are associated with the RAL codes used for RF frequency ranges.

Frequency Range	Assigned Colour Code	Abbreviation
380 – 1000 MHz	RAL 3020	R
1001 – 1700 MHz	RAL 6029	G
1701 – 2300 MHz	RAL 5015	B
2301 – 3000 MHz	RAL 1023	Y
3001 – 5000 MHz	RAL 4006	P
5001 – 6000 MHz	RAL 2009	O

CommScope Antenna Array Symbols employ “AISG Color Coding” to provide guidance in identifying desired RF frequency band, or combination of frequency bands, supported by a certain Antenna Model. Additionally, the Antenna Array Symbols illustrate the number of arrays for each frequency band and the array positions inside the Antenna. The number of arrays for a frequency band is indicated by the numerical digit that follows the abbreviated letter in the Antenna Array Symbol.

# Antenna Array Symbols

Configuration Type 1



R1

Bottom

B-65B-R1VB  
DB654DG65A-C  
LDX-3319DS-VTM  
LDX-9014DS-VTM  
RPX310B-T2H  
R-33D-R1VB  
R-65B-R1VB  
R-65C-R1VB  
R-65C-R1VB-V4  
O2P-2L-B1

Configuration Type 2



B1

Bottom

HBX-9016DS-VTM

Configuration Type 3

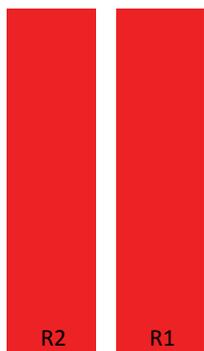


Y1

Bottom

3X-V65A-3XR  
V-33A-R1VB  
V-65A-R1VB

Configuration Type 4



R2

R1

Left Right  
Bottom

4P-4L-A2  
RR-65B-R2  
RR-65D-R2N43  
RR-85D-R2N43  
RR-65A-R2VB  
RR-65B-R2VB  
RR-65C-R2VB-V2  
RR-65C-R2VB-V3

Configuration Type 5



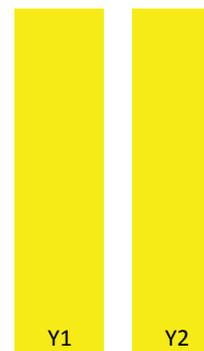
B1

B2

Left Right  
Bottom

HBXX-3319DS-VTM

Configuration Type 6



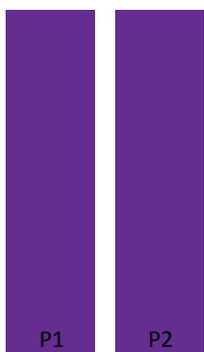
Y1

Y2

Left Right  
Bottom

VV-33A-R2VB  
VV-65A-R1B  
VV-65A-R2  
VV-65A-R2-V2  
VV-65A-R2VB-V2  
VV-65B-R2

Configuration Type 7



P1

P2

Left Right  
Bottom

SSPX310R-V2

Configuration Type 8



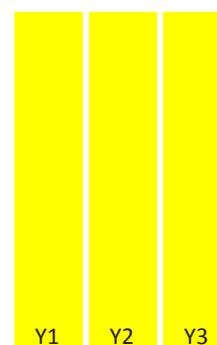
B1

B2

B3

Left Right  
Bottom

Configuration Type 9



Y1

Y2

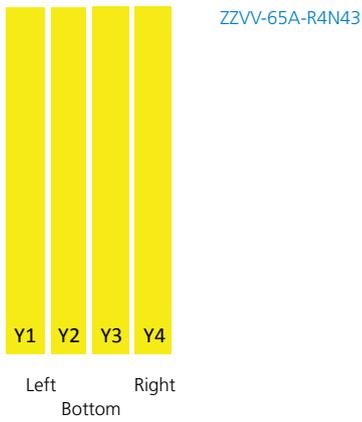
Y3

Left Right  
Bottom

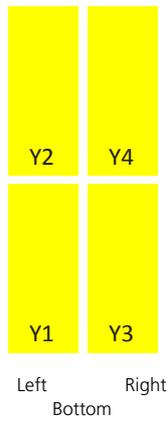
A-Z array types illustrate configurations for antennas with silm designs and/or antennas that support FDD + TDD or TDD. Numerical array types illustrate configurations for all other sector antenna models.

# Antenna Array Symbols

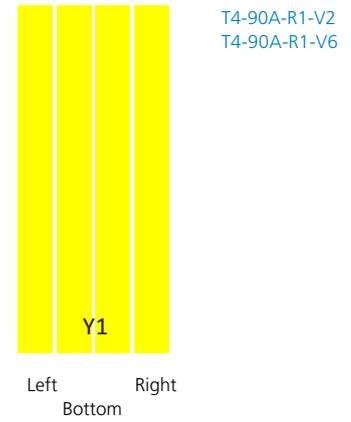
Configuration Type 10



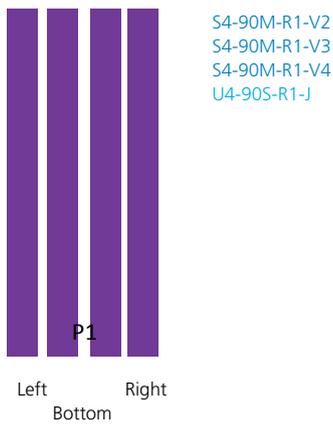
Configuration Type 11



Configuration Type 12



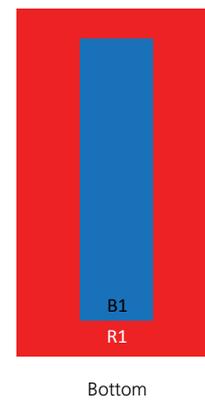
Configuration Type 13



Configuration Type 14



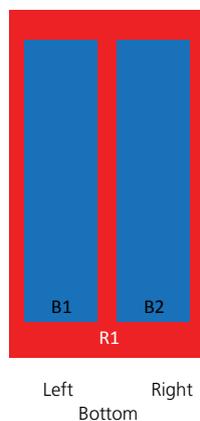
Configuration Type 15



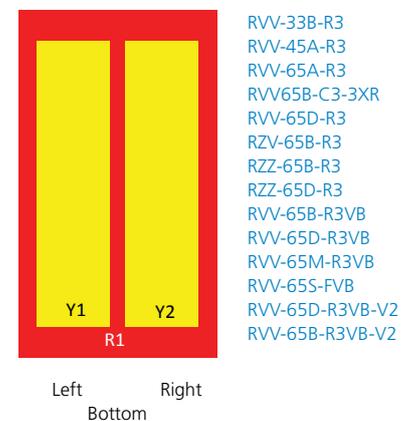
Configuration Type 16



Configuration Type 17



Configuration Type 18



# Antenna Array Symbols

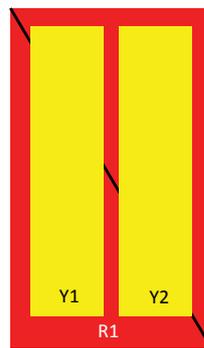
Configuration Type 19



Left Right  
Bottom

RRVV-65B-R4-V2  
RRVV-65D-R4  
RRZZ-65A-R4  
RRZZ-65B-R4  
RRVV-85D-R4N43  
RRVV-65D-R4VB  
RRVV-65B-R4-V4  
RRVV-65A-R4VB  
RRVV-65B-R4VB-V2  
RRZZ-65B-R4N39V3

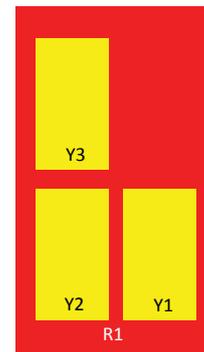
Configuration Type 20



Left Right  
Bottom

EGVV65A-FL-C3-4XR  
EGVV65B-FL-C3-4XR

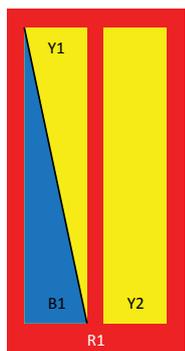
Configuration Type 21



Left Right  
Bottom

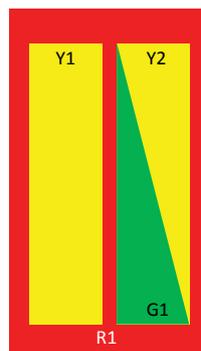
RV3-65D-R4-V2  
RV3-65D-R4-V3

Configuration Type 22



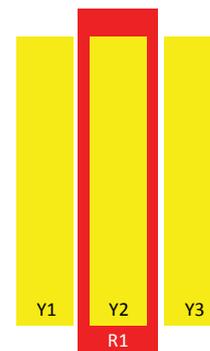
Left Right  
Bottom

Configuration Type 23



Left Right  
Bottom

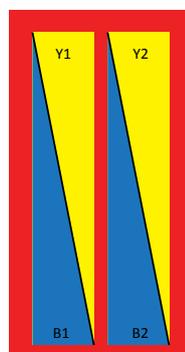
Configuration Type 24



Left Right  
Bottom

RZVV-65A-R4-V4

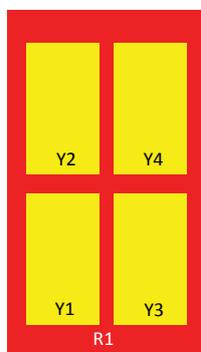
Configuration Type 25



Left Right  
Bottom

RHHTT-65A-R4-V2

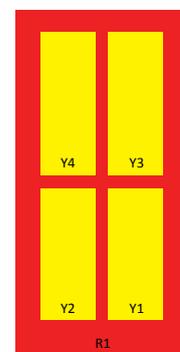
Configuration Type 26



Left Right  
Bottom

KZZVV-65D-R5  
RV4-65B-R5-V2  
RV4-65D-R5-V6  
RV4-65B-R5VB

Configuration Type 27

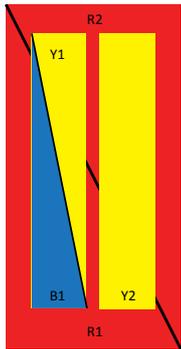


Left Right  
Bottom

RV4PX306R

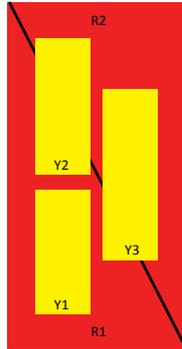
# Antenna Array Symbols

Configuration Type 28



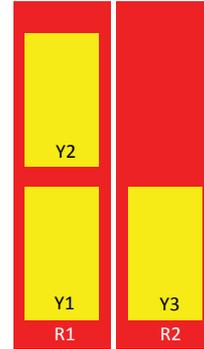
Left Bottom Right

Configuration Type 29



Left Bottom Right

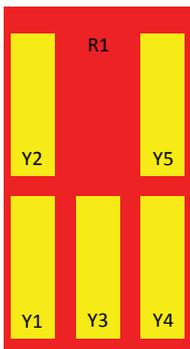
Configuration Type 30



Left Bottom Right

RRV3-65D-R5

Configuration Type 31



Left Bottom Right

RZV4-65D-R6  
RZV4-65D-R6-V2

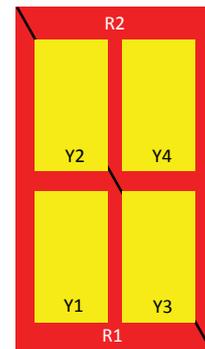
Configuration Type 32



Left Bottom Right

RVHHTT-65A-R5

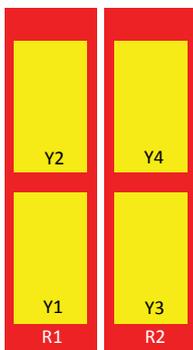
Configuration Type 33



Left Bottom Right

EGV4-65D-R6

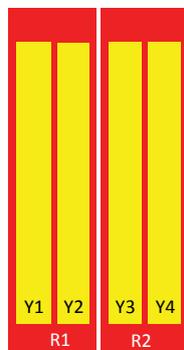
Configuration Type 34



Left Bottom Right

RRV4-65B-R6-PS  
RRV4-65B-R6VB  
RRV4-65D-R6-V3  
RRV4-65B-R6  
RRV4-65C-R6  
RRV4-65D-R6  
RRV4-65D-R6VB-V6

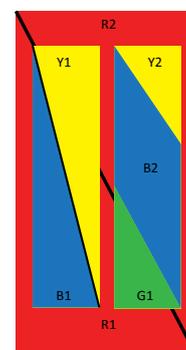
Configuration Type 35



Left Bottom Right

RRV4-65A-R6  
RRV4-65A-R6N43  
RRV4-65A-R6-V2  
RRV4-65B-R6H4  
RRV4-65B-R6N43  
RRV4-65B-R6NV3  
RRV4-6585B-R6H4  
RRV4-85B-R6  
RRZ4-6590B-R6NV3  
RRZZVV-65AR6NV1  
RRZZVV-65B-R6H4  
RRZZVV-65B-R6N43  
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RRZZVV-65B-R6NV3  
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RRV4-65B-R6H4VB

Configuration Type 36

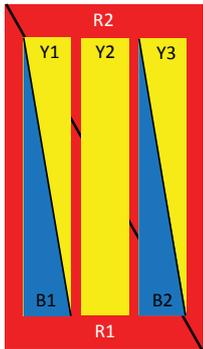


Left Bottom Right

EGYHHTT-65A-R6  
EGYHHTT-65B-R6

# Antenna Array Symbols

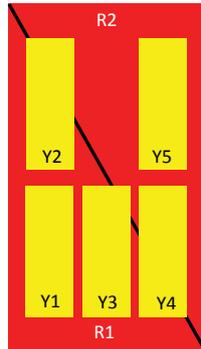
Configuration Type 37



EGZHHTT-65B-R6

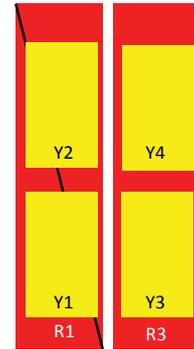
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Configuration Type 38



Left Bottom Right

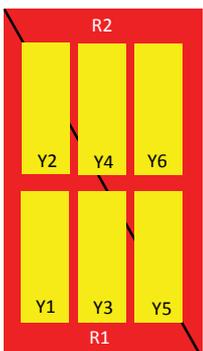
Configuration Type 39



EGRV4-65D-R6

Left Bottom Right

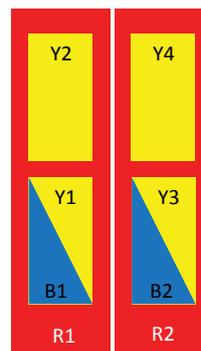
Configuration Type 40



EGZV5-65D-R6-V2

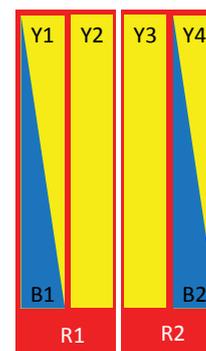
Left Bottom Right

Configuration Type 41



Left Bottom Right

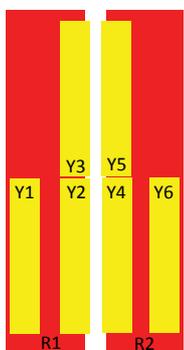
Configuration Type 42



RRZZHHTT-65A-R6H4  
RRZZHHTT-65B-R6H4  
RRZZHHTT-65D-R6

Left Bottom Right

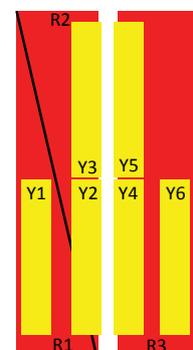
Configuration Type 43



RRZZV4-65B-R8H4  
RRZZV4-65D-R6H4  
RRZZV4-65D-R8H4

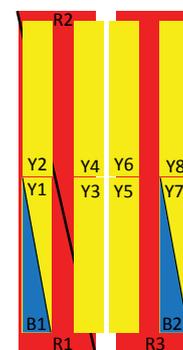
Left Bottom Right

Configuration Type 44



Left Bottom Right

Configuration Type 45

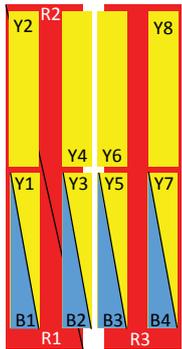


EGRZZHHTTV4-65D-R8

Left Bottom Right

# Antenna Array Symbols

Configuration Type 46



EGRZZH4T4VV-65D-R8  
EGRZZH4T4VV65DR8V2  
EGRZZH4T4VV65DR10

Left Right  
Bottom

Configuration Type 47



2UPX210B-T2

Bottom

Configuration Type 48



Bottom

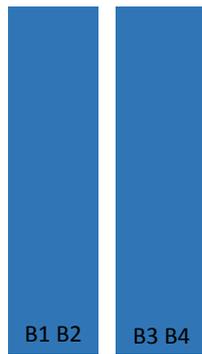
Configuration Type 49



2H-33A-R2

Left Right  
Bottom

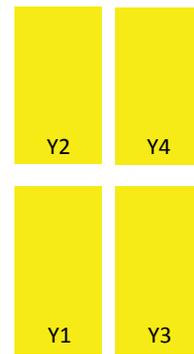
Configuration Type 50



2HH-38A-R4-V2

Left Right  
Bottom

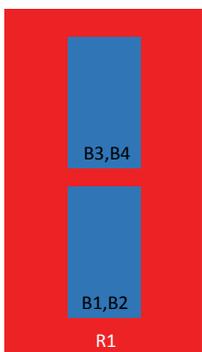
Configuration Type 51



2VV-33C-R4-V4  
2VV-33C-R4-V6  
2VV-33C-R4-V8

Left Right  
Bottom

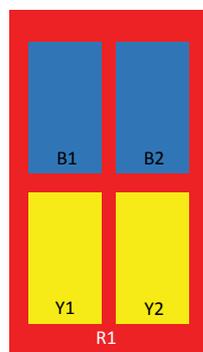
Configuration Type 52



R2HH-6533A-R5

Left Right  
Bottom

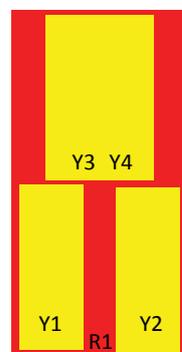
Configuration Type 53



CVV2NPX308.208R

Left Right  
Bottom

Configuration Type 54



RVV2H-6533D-R5

Left Right  
Bottom

Configuration Type 55

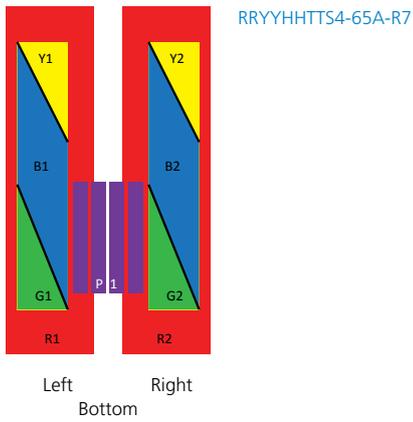


RR2VV-6533D-R6

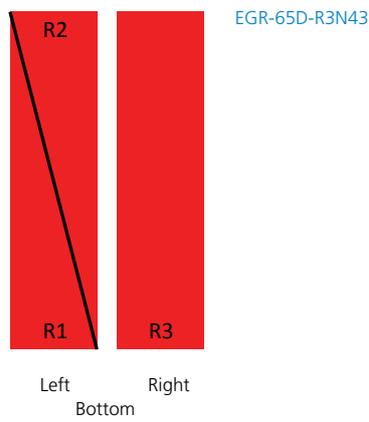
Left Right  
Bottom

# Antenna Array Symbols

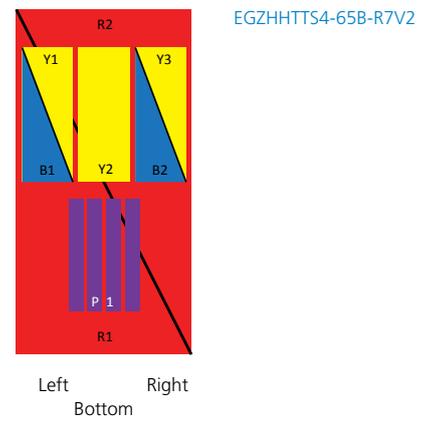
Configuration Type 56



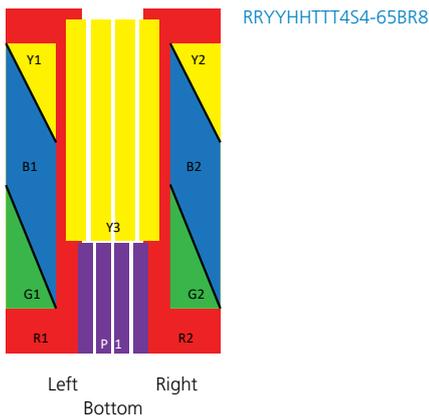
Configuration Type 57



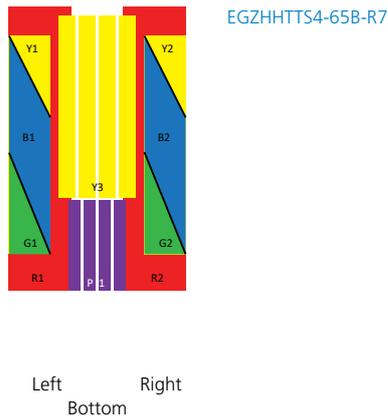
Configuration Type 58



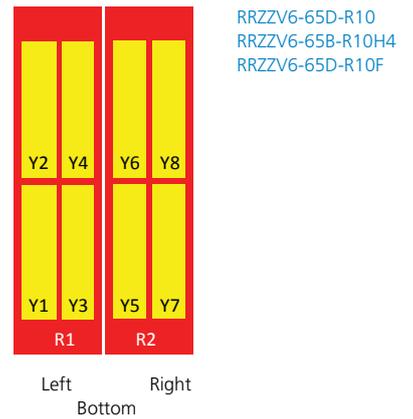
Configuration Type 59



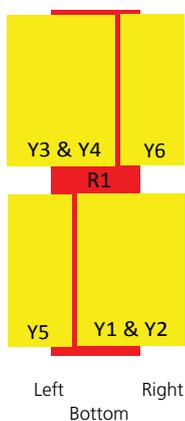
Configuration Type 60



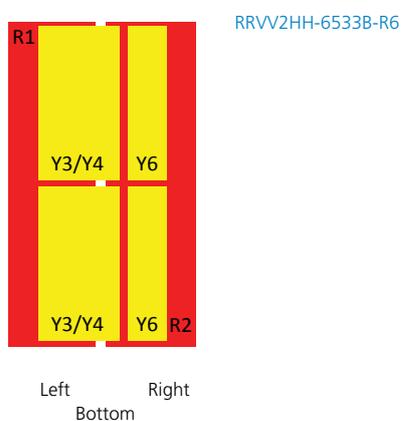
Configuration Type 61



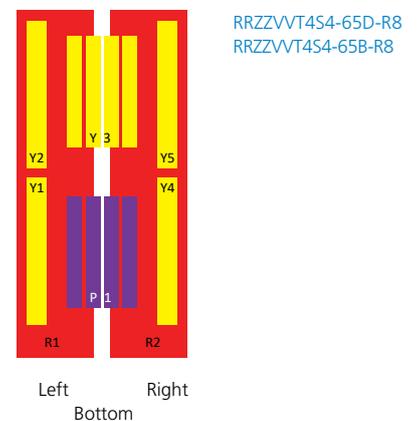
Configuration Type 62



Configuration Type 63

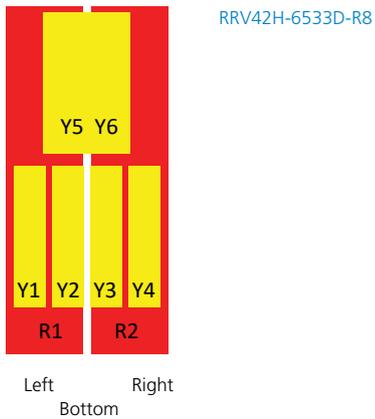


Configuration Type 64

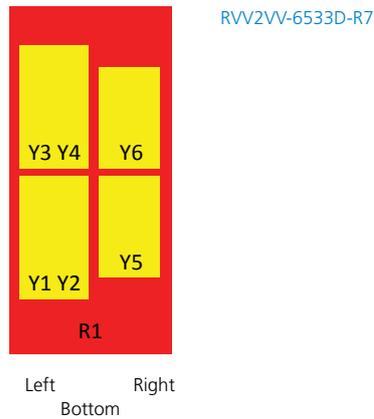


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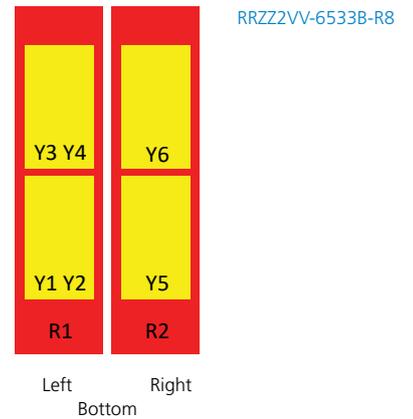
Configuration Type 65



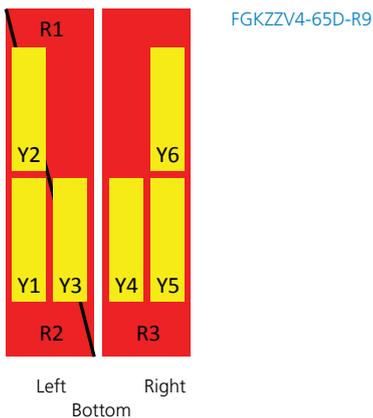
Configuration Type 67



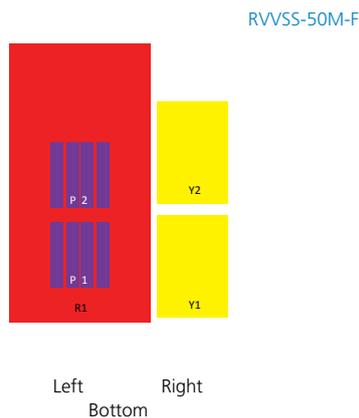
Configuration Type 68



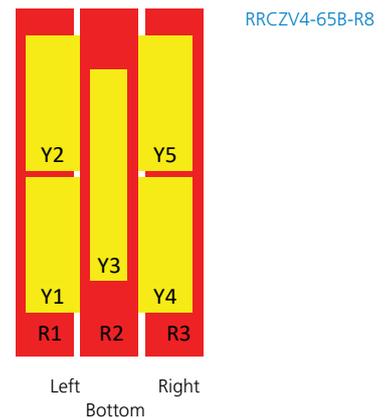
Configuration Type 69



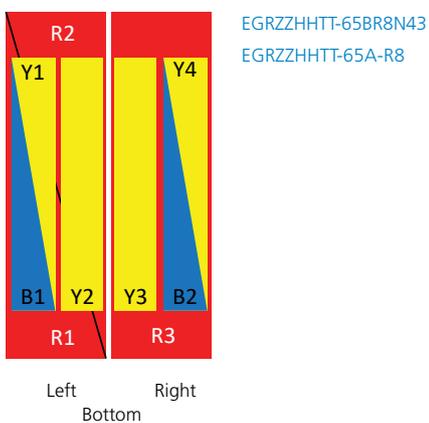
Configuration Type 70



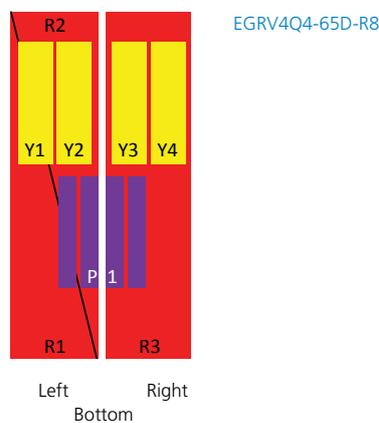
Configuration Type 71



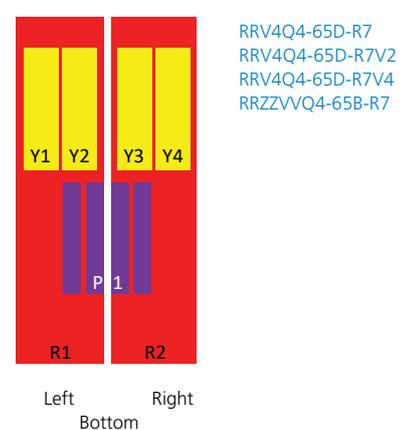
Configuration Type 72



Configuration Type 73

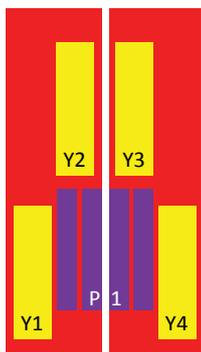


Configuration Type 74



# Antenna Array Symbols

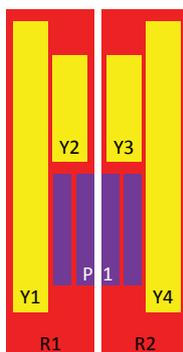
Configuration Type 75



RRZZVVS4-65D-R7N43  
RRZZVVS4-65DR7NV4

Left Right  
Bottom

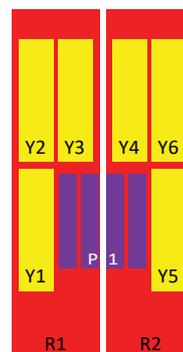
Configuration Type 76



RRZZVVS4-65BR7NV4  
RRZZVVS4-65B-R7N43

Left Right  
Bottom

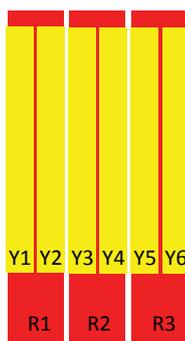
Configuration Type 77



RRZZV4S4-65D-R9N43  
RRZZV4S4-65DR9NV4

Left Right  
Bottom

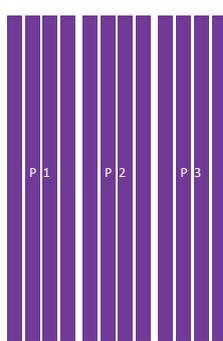
Configuration Type 78



3X-RVV-65A-R9

0° 120° 240°

Configuration Type 79



3X-S4-90M-R3  
S4-90M-R1B-3XKIT

0° 120° 240°

Configuration Type 80



RRZHHTT-65A-R6N39

Left Right  
Bottom

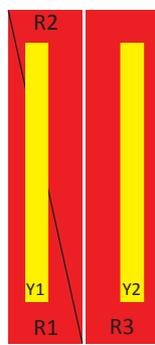
Configuration Type 81



RRZZ-33D-R4  
RRZZ-65B-R4N43  
RRZZ-65B-R4N43V1  
RRZZ-65A-R4N39  
RRZZ-65B-R4N39  
RRZZ-65D-R4N43V1  
RRZZ-65D-R4N43V2  
RRZZ-65B-R4N39-V1  
RRZZVV-65A-R6N43V2  
RRZZVV-65D-R6NV3

Left Right  
Bottom

Configuration Type 82



EGRZV-65D-R5N43

Left Right  
Bottom

Configuration Type 84



RRZHHTT-65A-R7N43  
RRZHHTT-65B-R7N43  
RRZHHTT-65BR7N43F  
RRZHHTT-65AR7N43F  
RRZHHTT-65B-R8NV3  
RRZZVV-65B-R8NV3D

Left Right  
Bottom

# Antenna Array Symbols

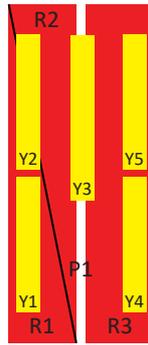
Configuration Type 85



RRZZV4-65D-R8N43  
RRZZV4-65D-R8NV1  
RRZZV4-65D-R8NV3

Left Right  
Bottom

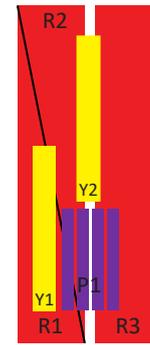
Configuration Type 86



EGRZV4-65D-R8N43

Left Right  
Bottom

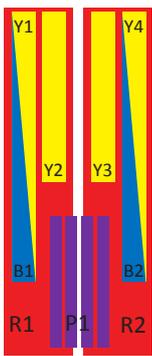
Configuration Type 87



EGRZVS4-65D-R6N43

Left Right  
Bottom

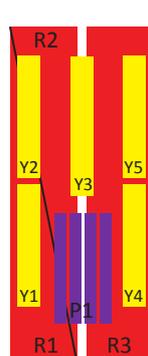
Configuration Type 88



RRZZHHTTS4-65B-R8N

Left Right  
Bottom

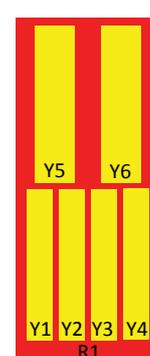
Configuration Type 89



EGRZV4S4-65D-R9N43

Left Right  
Bottom

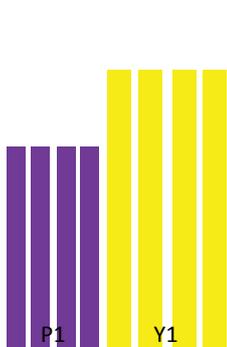
Configuration Type 91



RVVT4-65D-R4

Left Right  
Bottom

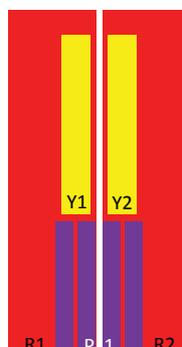
Configuration Type 92



T4S4-90A-R2  
T4S4-90A-R2-V4  
T4S4-90A-R2-V3

Left Right  
Bottom

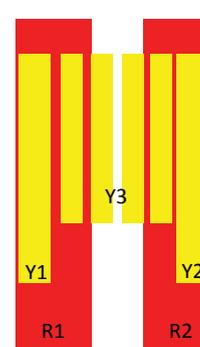
Configuration Type 93



RRZZS4-65D-R5

Left Right  
Bottom

Configuration Type 94

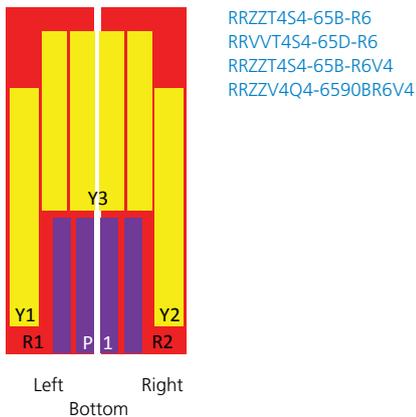


RRZZT4-65A-R5  
RRZZT4-65A-R5-V2

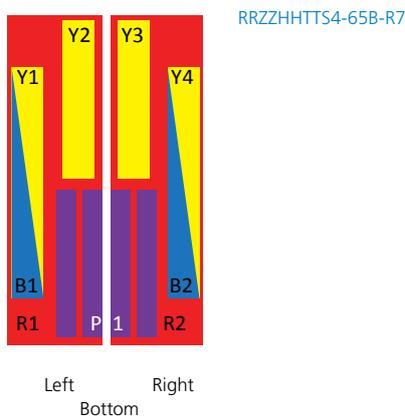
Left Right  
Bottom

# Antenna Array Symbols

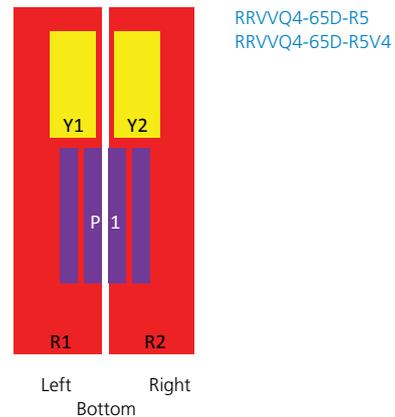
Configuration Type 95



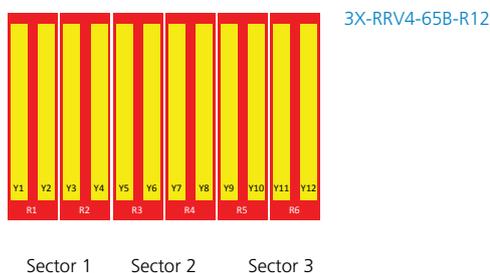
Configuration Type 96



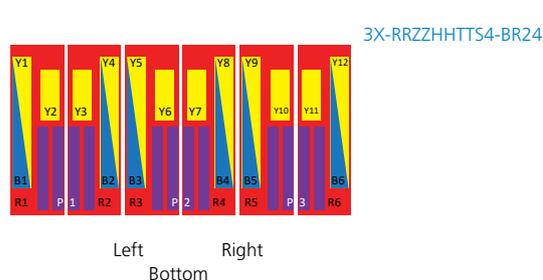
Configuration Type 97



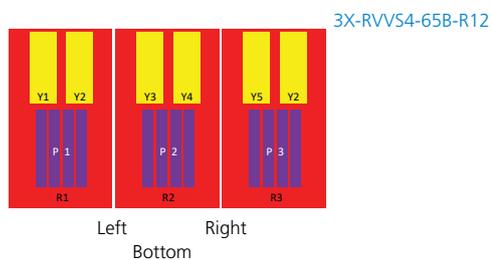
Configuration Type 98



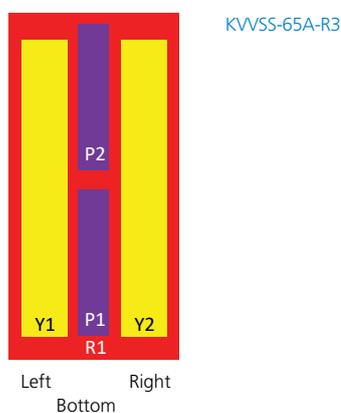
Configuration Type 99



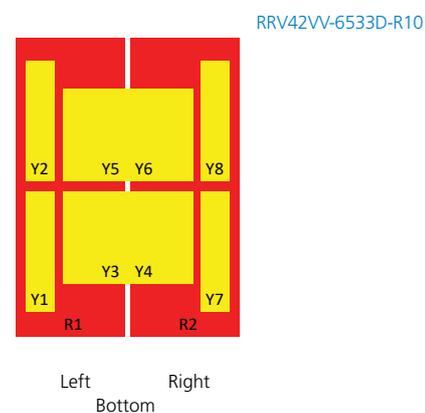
Configuration Type 100



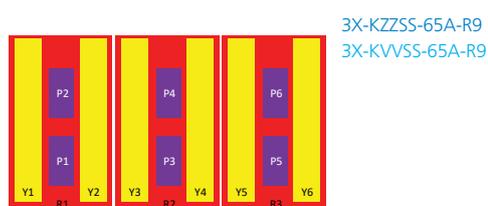
Configuration Type 102



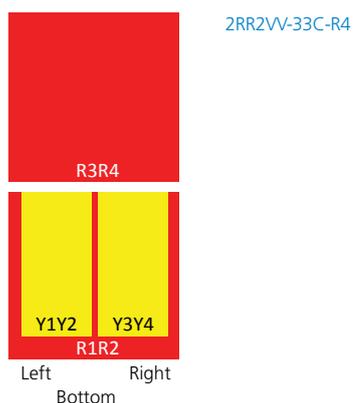
Configuration Type 103



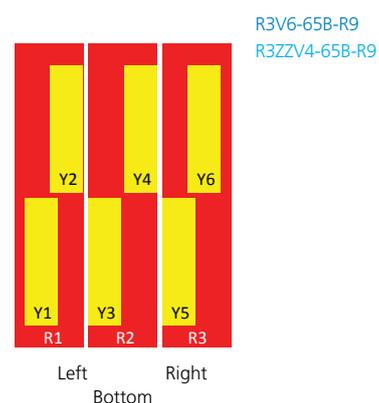
Configuration Type 104



Configuration Type 105

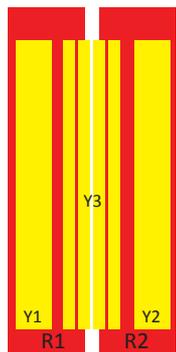


Configuration Type 106



# Antenna Array Symbols

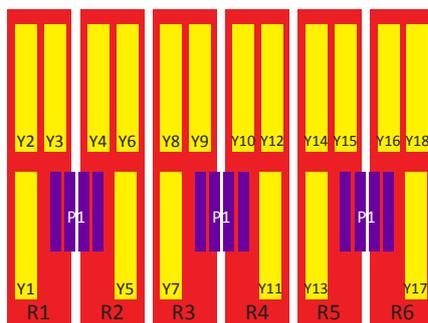
Configuration Type 107



RRZZV4-6590B-R5V3  
RRZZV4-6590D-R5V4  
RRZZV4-6590D-R5V5

Left Right  
Bottom

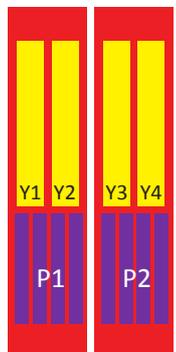
Configuration Type 108



3X-RRZZV4S4-65DR27

Left Right  
Bottom

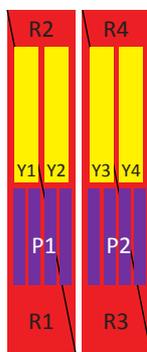
Configuration Type 109



RRZZVVQ4Q4-65BR8V4  
RRZZVVQ4Q4-65DR8V4  
RRZZVVQ4Q4-65DR8

Left Right  
Bottom

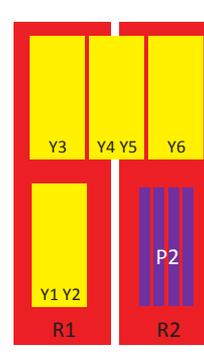
Configuration Type 110



EEGGV4Q4Q465DR10

Left Right  
Bottom

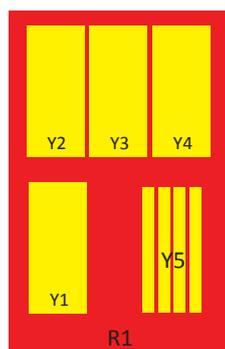
Configuration Type 111



RRVV2VVQ4-6533D-R9

Left Right  
Bottom

Configuration Type 112



RV4T4-65D-R6VB

Left Right  
Bottom

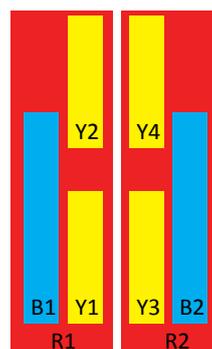
Configuration Type 113



RRZZHHTTV65CR10V3

Left Right  
Bottom

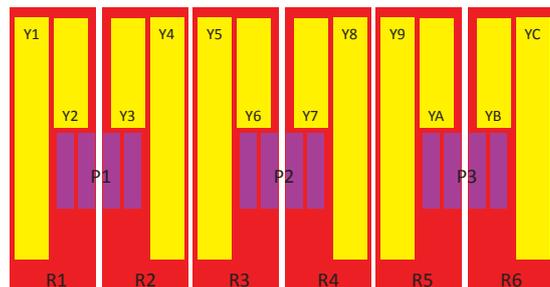
Configuration Type 114



RRZZVV-65D-R8N43D

Left Right  
Bottom

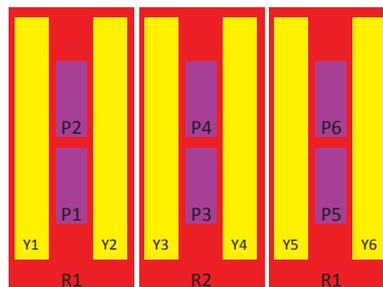
Configuration Type 115



3X-KKV4S4-65B-R15

Sector 1 Sector 2 Sector 3

Configuration Type 116



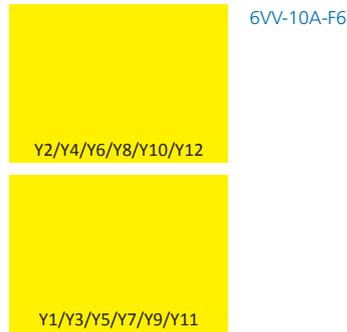
KVSS-65A-3XKIT

# Antenna Array Symbols

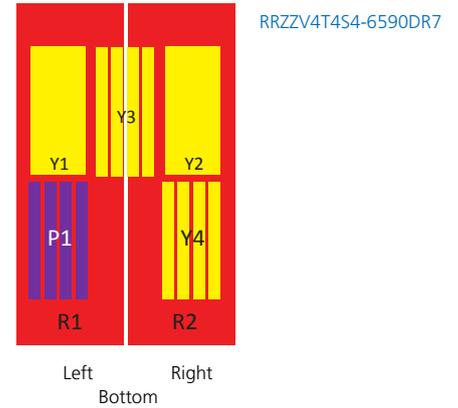
Configuration Type 117



Configuration Type 118



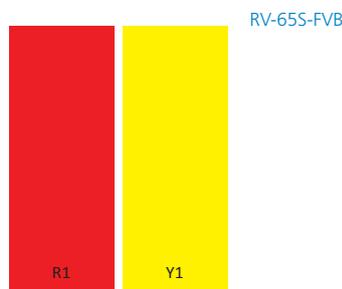
Configuration Type 119



Configuration Type 120



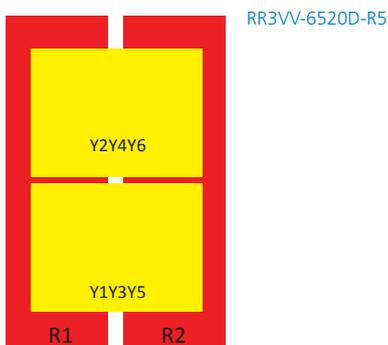
Configuration Type 121



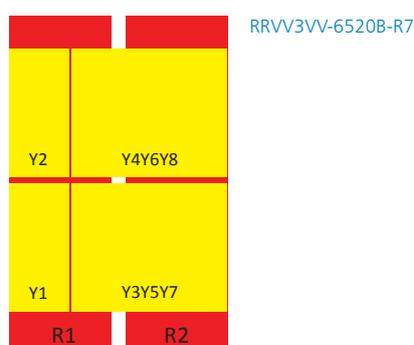
Configuration Type 122



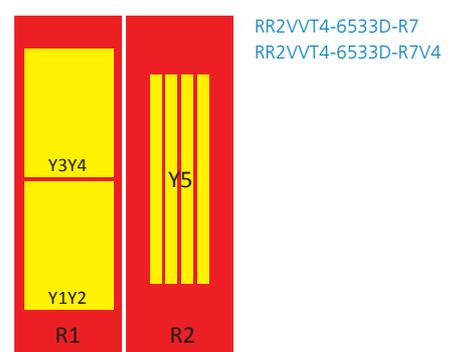
Configuration Type 123



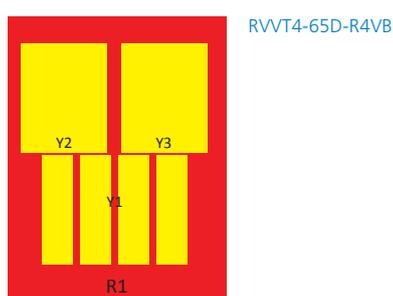
Configuration Type 124



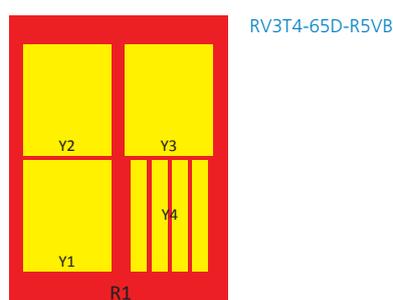
Configuration Type 125



Configuration Type 126



Configuration Type 127



# Antenna Coding



**Multibeam**  
If multisector use #X (e.g. 3X) and thus X will never be used for a frequency

**V4 and S4**  
This means: VVVV and SSSS and each letter means 2 ports.

**Length (m/ft)**

A	1.2/4
B	1.8/6
C	2.4/8
D	2.6/8.5
T	0.3/1
S	0.6/2
M	0.9/3

**Variables**  
This section denotes variables as needed (up to 3 characters) V#

N means 4.3-10 connectors

43 means 430 mm platform (39=> 395mm platform)

Connector Type  
Different connector locations  
Multi or Single RET  
Internal GPS  
Variation on number of AISG ports

**Frequency (MHz)**

A	806/824-896
B	410-512
C	790-960/824-960
D	817-869
E	694-862
F	617-806
G	880-960
H	1695-2180/2360
J	698-787/798/803
K	617-960
L	1710-1880
N	698-896
P	4900-6000
R	694-960
Q	2300-3800
S	3300-3800
T	2490-2690
V	1695-2690
W	2300-2400
Y	1427-1518
Z	1427-2690

X = denotes bands combined into 2 ports

1 = denotes band is not cross-pol, only 1 physical port

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# News

In this ordering guide you will find new products released and product discontinuations.

## New products

- RRV4-65B-R6VB: 12-port sector antenna, 4x 694–960 and 8x 1695–2690 MHz, 65° HPBW, 6x RET
- RV-65S-FVB: 4-port sector antenna, 2x 698-960 and 2x 1710–2690 MHz, 65° HPBW, fixed tilt
- 4P-4L-A2: 4-port sector antenna, 4x 694–960 MHz, 65° HPBW, 2x RET
- RVV-65B-R3VB-V2: 6-port sector antenna, 2x 694-960 and 4x 1695–2690 MHz, 65° HPBW, 3x RET
- 2VV-33C-R4-V8: 8-port multibeam antenna , 8X 1695-2690 MHz, 4X 33° HPBW, 4XRET
- RRZZV4-6590D-R5V5\*: 16-port sector antenna, 4x 694-960, 4x 1427-2690 MHz, 65° HPBW and 8x 1695-2690 MHz, 90° HPBW, 5x RET
- RRZZV4-6590B-R5V3\*: 16-port sector antenna, 4x 694-960, 4x 1427-2690 MHz, 65° HPBW and 8x 1695-2690 MHz, 90° HPBW, 5x RET
- 5V-12A-R5\*: 10-port multibeam antenna, 10x 1710–2690 MHz, 5x 10-14° HPBW, 5x RET
- RR3VV-6520D-R5\*: 16-port sector/multibeam antenna, 4x 694–960 MHz 2x 65° HPBW and 12x 1695–2690 MHz 6x 20° HPBW, 5x RET
- RRVV3VV-6520B-R7\*: 20-port sector/multibeam antenna, 4x 694–960 MHz 2x 65° HPBW, 4x 1695–2690 MHz 2x 65° HPBW and 12x 1695–2690 MHz 6x 20° HPBW, 7x RET
- 3X-KVVQ4-65B-R12\*: 42-port tri-sector antenna, 6x617-960, 12x1695-2690MHz, 65°HPBW, 24x2300-3800MHz, 12x RET
- RVVT4-65D-R4VB: 14-port sector antenna, 2x 698–960, 4x 1710-2690MHz, 65° HPBW, and 8x 2300-2690MHz, 80° HPBW, 4x RET
- RV3T4-65D-R5VB: 16-port sector antenna, 2x 698–960, 6x 1710-2690MHz, 65° HPBW, and 8x 2300-2690MHz, 80° HPBW, 5x RET
- 6V-10M-R6: 12-port multibeam antenna, 12x 1695–2690 MHz, 6x 10-14° HPBW, 6x RET

\* Please contact [CommScope Technical Support](#) to learn more about this product.

# Discontinued Products

**These part numbers were discontinued on June 30, 2024.** Replacement models are listed below, where available. If you need assistance in selecting the most appropriate alternative model or have any questions regarding this discontinuation, please contact your CommScope account manager.

Discontinued Part Number	Description	Replacement Part Number
DDW4-6590D-R3	ANT - 4LB, 8HB, 6590DEG, 3RET	NA
DDW43MSF		
HHTTP-65T-F	ANT - 8MB, 2HB, 65DEG	NA
DOITT-KIT1-TS		
VV-65T-F-V2	ANT - 4HB, 65DEG	NA
CS2F1-2A2NB-BAAA		
S-103136-0000		
HWXXX-6516DS-A3M	ANT - 6HB, 65DEG, 3RET	6P-6M-A3
SSC-760232827		
RRZT4-65A-R5-KT	ANT - 4LB, 12HB, 65DEG, 5RET, KIT	NA
RRZT4-KT-E1	ANT - 4LB, 12B, KIT	NA
DW4-6590B-R2	ANT - 2LB, 8HB, 65:90DEG, 2RET	NA
DW43MSF		
W43MSF	ANT - KIT	NA
W4-90A-R1	ANT - 8HB, 90DEG, 1RET	T4-90A-R1-V6
LDX-6516DS-VTM	ANT - 2LB, 65DEG	2P-2L-C1
HWXX-6516DS1-A2M	ANT - 4HB, 65DEG, 2RET	VV-65A-R2VB / 4P-4M-A2-V3 or VV-65A-R2VB-V2
1377x307x118 (CS PVC) / 1377x257x87 (FG)"		
HBX-6516DS-VTM	ANT - 2HB, 65DEG	V-65A-R0VB
DBXDH-6565B-A2M	ANT - 2LB, 2HB, 65DEG, 2RET	4P-2L2M-B2
HBX-6513DS-VTM	ANT - 2HB, 65DEG	NA
LDX-3319DS-A1M	ANT - 2LB, 33DEG, 1RET	R-33D-R1VB
LDX-9013DS-VTM	ANT - 2LB, 90DEG	R-85B-R1VB
HWXX-6516DS1-VTM	ANT - 4HB, 65DEG	VV-65A-R0VB
DBXDH-6565B-VTM	ANT - 2LB, 2HB, 65DEG	4P-2L2M-B0
HBXX-6516DS-VTM	ANT - 4HB, 65DEG	VV-65A-R0VB
DBXLH-6565B-A2M	ANT - 2LB, 2HB, 65DEG, 2RET	4P-2L2M-B2
LDX-6515DS-VTM	ANT - 2LB, 65DEG	R-65B-R0VB-V2
LRX-8512DS-VTM	ANT - 2LB, 85DEG	R-85A-R1VB
HWXXX-6516DS-VTM	ANT - 6HB, 65DEG	6P-6M-A0
DBXLH-6565C-VTM	ANT - 2LB, 2HB, 65DEG	4P-2L2M-C0
LDX-6513DS-A1M	ANT - 2LB, 65DEG, 1RET	NA
HBX-9016DS-A1M	ANT - 2HB, 90DEG, 1RET	NA
HBXXX-6516DS-VTM	ANT - 6HB, 65DEG	6P-6M-A3
LNX-6514DS-A1M-KT	ANT-2LB, 65DEG, 1RET, KIT	R-65B-R1VB-V2 with Cable
8P-8M-A4	ANT - 8HB, 4RET	NA
T4-90A-R1-V2-KT	ANT - 8HB, 90DEG, 1RET, KT	T4-90A-R1-V6
DB583-Y	ANT - 1LB, 360DEG	NA
SSP-65T-F-V3	ANT - 6HB, 65DEG	NA
V65S-C3-1XR	ANT - 2HB, 65DEG, 1RET	NA
SBNHH-1D85C	ANT - 2LB, 4HB, 85DEG, 3RET	NA
RZVV-65A-R4-V3	ANT - 2LB, 6HB, 65DEG, 4RET	NA
RVV65A-R3-J	ANT - 2LB, 4HB, 65DEG, 3RET	NA
RYVV-65B-R4	ANT - 2LB, 6HB, 65DEG, 4RET	NA
V3-65A-R3	ANT - 6HB, 65DEG, 3RET	6P-6M-A3
SBNHH-1D45A	ANT - 2LB, 4HB, 45DEG, 3RET	RVV-45A-R3
FFHH-65A-R3	ANT - 4LB, 4HB, 65DEG, 3RET	FFVV-65A-R3-V1
T4-90A-R1	ANT - 8HB, 90DEG, 1RET	T4-90A-R1-V6

# Discontinued Products

These part numbers were discontinued on June 30, 2024.

Discontinued Part Number	Description	Replacement Part Number
NH360QS-F0M	ANT - 2LB, 2HB, 360DEG	NA
EGZHHTT-65A-R6	ANT - 4LB, 10HB, 65DEG, 6RET	NA
RRZZHHTT-S4-B8V2	ANT - 4LB, 20HB, 65DEG, 8RET	NA
RR-65B-R2-KT	ANT-4LB, 65DEG, 2RET, KIT	NA
FFHH-65B-R3	ANT - 4LB, 4HB, 65DEG, 3RET	FFVV-65B-R3-V1
4P-2L2M-C2	ANT - 4LB, 2HB, 65DEG, 2RET	NA
2VV3MSF-F	ANT - KIT 2VV-33B-R2 3M FLEXI	NA
2VV5MSF-F	ANT - KIT 2VV-33B-R2 5M FLEXI	NA
8P-2L6M-B4-V2	ANT - 2LB, 6HB, 65DEG, 4RET	8P-2L6M-B4-V3
ATCB-DB9-001-B		NA
ATCB-DB9-025-A		NA
CNLPX3055F	ANT - 2LB:HB, 50DEG	NA
DDW490SFK1	ANT/CABLE ASSYS/FILTER KIT	NA
DW43MSF	ANT - KIT	NA
DW45MSF	ANT - KIT	NA
DW490SFK1	ANT/CABLE ASSYS/FILTER KIT	NA
EGZV4-65D-R6	ANT - 4LB, 10HB, 65DEG, 6RET	EGZV5-65D-R6
HHTTV-65A-R3	ANT - 10HB, 65DEG, 3RET	NA
LNX-6514DS-R1	ANT - 2LB, 65DEG, 1RET	NA
NHHSS-65A-R3B	ANT - 2LB, 8HB, 65DEG, 3RET, 2SBT	NA
NHHSS-65C-R3B	ANT - 2LB, 8HB, 65DEG, 3RET, 2SBT	NA
R2HH3MSF	ANT - KIT	NA
R2HH5MSF	ANT - KIT	NA
RR-65B-R2-KTE	ANT - 4LB, 65DEG, 2RET, KIT	NA
RRZZT4-KT-N1	ANT - 4LB, 12HB, 65DEG, 5RET, KIT	NA
RRZZT4-KT-S4	ANT - 4LB, 12HB, 65DEG, 5RET, KIT	NA
RVV2HH-6533D-R5	ANT - 2LB, 12HB, 65:33DEG, 5RET	RVV2VV-6533D-R7
T4-90A-R1-V5	ANT - 8HB, 90DEG, 1RET	T4-90A-R1-V6
W45MSF	ANT - KIT	NA
NHHSS-65B-R2BT10		

# Discontinued Products

These part numbers will be discontinued on November 30, 2024.

Discontinued Part Number	Description	Replacement Part Number	Description
RRZZ-65D-R4N43		RRZZ-65D-R4N43V1	ANT - 4LB, 4HB, 65DEG, 4RET
RV4-65D-R5-V2	ANT - 2LB, 8HB, 65DEG, 5RET	RV4-65D-R5-V6	ANT - 2LB, 8HB, 65DEG, 5RET
T4-90A-R1-V2	ANT - 8HB, 90DEG, 1RET	T4-90A-R1-V6, no SBT	ANT-8HB-90DEG-1RET
RVVPX306.11R-V2	ANT - 2LB, 4HB, 65DEG, 3RET	RVV-65A-R3	ANT - 2LB, 4HB, 65DEG, 3RET
RVV65B-C3-3XR	ANT - 2LB, 4HB, 65DEG, 3RET	6P-2L4M-B3	ANT - 2LB, 4HB, 65DEG, 3RET
EGRV4Q4-65D-R8	ANT - 6LB, 16HB, 65DEG, 8RET		
8P-4L4M-A4	ANT - 4LB, 4HB, 65DEG, 4RET	RRVV-65A-R4VB	ANT - 4LB4HB, 65DEG,4RET
RV4PX310R-V2	ANT - 2LB, 8HB, 65DEG, 5RET		
5NPX1006F	ANT - 10HB, 12DEG	6VV-10A-F6 6V-10M-F6	ANT - 24HB, 10DEG, ANT - 12HB, 10DEG
CVV65BSX-3X2	ANT - 2LB, 4HB, 65DEG, 3RET	RVV65B-C3-3xR RVV-65B-R3VB	ANT - 2LB, 4HB, 65DEG, 3RET ANT - 2LB, 4HB, 65DEG, 3RET
EGZV5-65D-R6	ANT - 4LB, 12HB, 65DEG, 6RET		
RVV2NPX310.211R	ANT - 2LB, 8HB, 65:33DEG, 5RET	RVV2H-6533D-R5	ANT - 2LB, 8HB, 65:33DEG, 5RET
RV4PX306R	ANT - 2LB, 8HB, 65DEG, 5RET		
RV3-65D-R4-V2	ANT - 2LB, 6HB, 65DEG, 4RET	RV3-65D-R4-V3	ANT - 2LB, 6HB, 65DEG, 4RET
2VV-33B-R2	ANT - 8HB, 33DEG, 2RET	NA	
JCHHTT-65B-R5	ANT - 4LB, 8HB, 65DEG, 5RET		
RRV3-65D-R5	ANT - 4LB, 6HB, 65DEG, 5RET		
RRV3-65D-R5-V2	ANT - 4LB, 6HB, 65DEG, 5RET	RRV3-65D-R5	ANT - 4LB, 6HB, 65DEG, 5RET
UNX001U-2P	ANT - 2LB, 360DEG		
RRZZ-65D-R4N43	ANT - 4LB, 4HB, 65DEG, 4RET	RRZZ-65D-R4N43V2	ANT - 4LB, 4HB, 65DEG, 4RET
RRZZ-65B-R4	ANT - 4LB, 4HB, 65DEG, 4RET	RRZZ-65B-R4N43V2	ANT - 4LB, 4HB, 65DEG, 4RET
RRZZ-65A-R4	ANT - 4LB, 4HB, 65DEG, 4RET	RRZZ-65A-R4N43	ANT - 4LB, 4HB, 65DEG, 4RET
RRZZVV-65B-R6NV2	ANT - 4LB, 8HB, 65DEG, 6RET	RRZZVV-65B-R6N43 RRZZVV-65B-R6NV3	ANT - 4LB, 8HB, 65DEG, 6RET
RRZZVV-65A-R6N43	ANT - 4LB, 8HB, 65DEG, 6RET	RRZZVV-65AR6NV1	ANT - 4LB, 8HB, 65DEG, 6RET
JAVV-65C-R3B	ANT - 4LB, 4HB, 65DEG, 3RET, 2SBT		

Discontinued Part Number
SSC-760189738
SSC-760189753
SSC-760191858
SSC-760192310
SSC-760192377
SSC-760193086
SSC-760193094
SSC-760193102
SSC-760193631
SSC-760193632
SSC-760193649
SSC-760202713
SSC-760202895
SSC-760203331
SSC-760203331-1
SSC-760203331-2
SSC-760203331-25
SSC-760203331-3
SSC-760203331-4
SSC-760203331-5

Discontinued Part Number
SSC-760203331-6
SSC-760203331-7
SSC-760203380
SSC-760203430
SSC-760206078
SSC-760206086
SSC-760206094
SSC-760206102
SSC-760208074
SSC-760210450
SSC-760214437
SSC-760216465
SSC-760217521
SSC-760217554
SSC-760217638
SSC-760217646
SSC-760218214
SSC-760218255
SSC-760220236
SSC-760220244

Discontinued Part Number
SSC-760203331-6
SSC-760203331-7
SSC-760203380
SSC-760203430
SSC-760206078
SSC-760206086
SSC-760206094
SSC-760206102
SSC-760208074
SSC-760210450
SSC-760214437
SSC-760216465
SSC-760217521
SSC-760217554
SSC-760217638
SSC-760217646
SSC-760218214
SSC-760218255
SSC-760220236
SSC-760220244

Discontinued Part Number
SSC-760203331-6
SSC-760203331-7
SSC-760203380
SSC-760203430
SSC-760206078
SSC-760206086
SSC-760206094
SSC-760206102
SSC-760208074
SSC-760210450
SSC-760214437
SSC-760216465
SSC-760217521
SSC-760217554
SSC-760217638
SSC-760217646
SSC-760218214
SSC-760218255
SSC-760220236
SSC-760220244

Discontinued Part Number
SSC-760225805
SSC-760228411
SSC-760229591
SSC-760232835
SSC-760232843

# Discontinued Products

**These part numbers will be discontinued on June 30, 2025.** Replacement models are listed below, where available. If you need assistance in selecting the most appropriate alternative model or have any questions regarding this discontinuation, please contact your CommScope account manager.

Discontinued Part Number	Description	Replacement Part Number
HBX-6516DS-A1M	ANT - 2HB, 65DEG, 1RET	V-65A-R1VB
HBX-9016DS-VTM	ANT - 2HB, 90DEG	NA
LDX-3319DS-VTM	ANT - 2LB, 33DEG	R-33D-R1VB
LDX-6516DS-A1M	ANT - 2LB, 65DEG, 1RET	2P-2L-C1
7854933-1-GR		
FVV-65B-R3-V1	ANT - 2LB, 4HB, 65DEG, 3RET	NA
SSC-760250838		
SSC-760253344		
SSC-760235108		
SSC-760239680		
760255763-001		
VVSSP-360S-D-FB		
NNH4-65C-R6	ANT - 4LB, 8HB, 65DEG, 6RET	NNH4-65C-R3
FFV4S4-65B-R7	ANT - 4LB, 16HB, 65DEG, 7RET	FFV4S4-65B-R7-V2
RRZZVV-65D-R6N43	ANT - 4LB, 8HB, 65DEG, 6RET	RRZZVV-65D-R6N43V2
10P-2L8M-B5	ANT - 2LB, 8HB, 65DEG, 5RET	10P-2L8M-B5-V6
10P-2L8M-D0	ANT - 2LB, 8HB, 65DEG	10P-2L8M-D5
10P-2L8M-D5-V5	ANT - 2 LB, 8HB, 65DEG, 5RET	10P-2L8M-D5
2VV-33C-R0-V5	ANT - 8HB, 33DEG, 4MET	2VV-33C-R4-V7
2VV-33C-R4-V2	ANT - 8HB, 33DEG, 4RET	2VV-33C-R4-V6/2VV-33C-R4-V7/2VV-33C-R4-V8
2VV-33C-R4-V4	ANT, 8HB, 33DEG, 4RET	2VV-33C-R4-V6/2VV-33C-R4-V7/2VV-33C-R4-V8
2VV-33C-R0-V7	ANT - 8HB, 33DEG, 4MET	
860621465	RPX ANTENNA KIT	NA
860621473	VVPX ANTENNA KIT	NA
860621499	RPX310B-S9-B2 ANTENNA KIT	NA
860621507	VVPX310B1-SLS-8 ANTENNA KIT	NA
860623024	RPX310B-S9-B2 ANTENNA KIT	NA
860631571	SUBASSY,TT 2 TRUNK(6RRU), SECTOR A AND B	NA
860631589	SUBASSY,TT 2 TRUNK(6RRU), SECTOR C	NA
10P-4L6M-D5	ANT - 4LB, 6HB, 65DEG, 5RET	NA
12P-4L8M-A6	ANT - 4LB, 8HB, 65DEG, 6RET	NA
12P-4L8M-D6	ANT - 4LB, 8HB, 65DEG, 6RET	NA
12P-4L8M-D6-V2	ANT - 4LB, 8HB, 65DEG, 6RET	NA
4P-4L-C2-KT	ANT - 4LB, 65DEG, 2RET	NA
4P-4M-B2	ANT - 4HB, 65DEG, 2RET	NA
4P-4M-M0	ANT - 4HB, 65DEG	NA
6P-2L4M-A3-V2	ANT - 2LB, 4HB, 65DEG, 3RET	NA
6P-2L4M-B3	ANT - 2LB, 4HB, 65DEG, 3RET	NA
6P-2L4M-B3-V2	ANT - 2LB, 4HB, 65DEG, 3RET	NA
8P-2L6M-A4-V2	ANT - 2LB, 6HB, 4RET	NA
8P-8M-A4-V4	ANT - 8MB, 65DEG, 4RET	NA
ATCB-DB15-003	RET CBL, DB15, 3M	NA
ATCB-DB9-020-A	RET CBL, DB9, 20M	NA
DB436-C	ANT - 1LB, 60DEG	NA
DB809KE-XT	ANT - 1LB, 360DEG	NA
DDW45MSF		NA
DOITT-KIT1-TV	ANT - KIT	NA
DOITT-KIT2-TS	ANT - KIT	NA

# Discontinued Products

These part numbers will be discontinued on June 30, 2025.

Discontinued Part Number	Description	Replacement Part Number
EGRV4-65B-R7H4	ANT - 6LB, 8HB, 65DEG, 7RET	NA
EGRZZH4T4VV65DR8V2	ANT - 6LB, 24HB, 65DEG, 8RET	EGRZZH4T4VV65DR10
EGRZZHHTTV4-65D-R8	ANT - 6LB, 20HB, 65DEG, 8RET	NA
EGRZZVVQ4-65B-R8	ANT - 6LB, 16HB, 65DEG, 8RET	NA
EGVV65B-FL-C3-4XR	ANT - 4LB, 4HB, 65DEG, 4RET	NA
EGZHHTT-65B-R6	ANT - 4LB, 10HB, 65DEG, 6RET	NA
EGZHHTTS4-65B-R7	ANT - 4LB, 18HB, 65DEG, 7RET	NA
EGZHHTTS4-65B-R7V2	ANT - 4LB, 18HB, 65DEG, 7RET	NA
FF-65B-R2	ANT - 4LB, 65DEG, 2RET	NA
FF-65C-R2	ANT - 2LB, 65DEG, 2RET	NA
FFHHTTVV-65A-R8	ANT - 4LB, 12HB, 65DEG, 8RET	NA
FFV4-65B-R6-V3	ANT - 4LB, 8HB, 65DEG, 6RET	FFV4-65B-R6-V2
FFVV-65C-R2-HG	ANT-4LB, 4HB, 65DEG, C, 2RET, HG	NA
JAH4-65B-R4	ANT - 4LB, 8HB, 65DEG, 4RET	NA
JAH4-65C-R4	ANT - 4LB, 8HB, 65DEG, 4RET	NA
JAHH-45A-R3B	ANT - 4LB, 4HB, 45DEG, 3RET, 2SBT	NNHH-45A-R4
JAHH-45B-R3B	ANT - 4LB, 4HB, 45DEG, 3RET, 2SBT	NNHH-45B-R4-V1
JAHSS-65C-R3BT4	ANT - 4LB, 8HB, 65DEG, 3RET, 2SBT	NA
KZZVV-65D-R5	ANT - 2LB, 8HB, 65DEG, 5RET	NA
LLPX210R-V1	ANT - 4HB, 33DEG, 2RET	NA
LLPX310R-V1	ANT - 4HB, 65DEG, 2RET	NA
N45C-1XB1	ANT - 2LB, 45DEG, 1RET, 1SBT	NA
NHH-33A-R2B	ANT - 2LB, 4HB, 33DEG, 2RET, 2SBT	NA
NHHSS-65A-R2BT8-V2	ANT-1LB-2MB-2HB-65DEG-2RET	NHHSS-65A-R2BT4
NHHSS-65B-R2BT8-V2	ANT-1LB-2MB-2HB-65DEG-2RET	"NHHSS-65B-R2BT2
NHHSS-65B-R2BT4		
NHHSS-65B-R2BT4-V1		
NHHSS-65B-R3B	ANT - 2LB, 8HB, 65DEG, 3RET, 2SBT	NHHSS-65B-R2BT4
NHHSS-65C-R2BT8-V2	ANT-1LB-2MB-2HB-65DEG-2RET	NHHSS-65C-R2B
NNH4-65A-R6H4-V1	ANT - 4LB, 8HB, 65DEG, 6RET	NA
NNH4-65B-R6H4-V2	ANT - 4LB, 8HB, 65DEG, 6RET	NNH4-65B-R6H4
NNH4-65C-R3B-V1	ANT - 4LB, 8HB, 65DEG, 3RET, 3SBT	NNH4-65C-R6-V4
NNH4S4-65B-R4B-V1	ANT - 4LB, 16HB, 65DEG, 5RET, 3SBT	NNH4S4-65B-R7
NNH4S4-65C-R4B-V1	ANT-4LB-8MB-8HB-65DEG-4RET	"NNH4S4-65C-R7
NNH4S4-65D-R7	ANT - 4LB, 16HB, 65DEG, 7RET	"RRV4S4-65D-R5 (Mloc)
	RRV4S4-65D-R5-V4 (MQ)	
NNH4SS-45A-R3BT8	ANT-4LB, 12HB, 45DEG, 3RET, 3SBT	NNH4SS-45A-R3BT8-V2
NNH4SS-45B-R3BT8	ANT - 4LB, 12HB, 45DEG, 3RET, 3SBT	NNH4SS-45B-R3BT8-V2
NNH4SS-45C-R3BT8	ANT- 4LB, 12HB, 45DEG, 3RET, 3SBT	NA
NNH4SS-65A-R3BT8	ANT - 4LB, 12HB, 65DEG, 3RET, 3SBT	NA
NNH4SS-65C-R3BT8	ANT - 4LB, 12HB, 65DEG, 3RET, 3SBT	NA
NNHH-65C-R4-V1	ANT - 4LB, 4HB, 65DEG, 4RET	NNHH-65C-R2
NNV4-65C-R6-HG	ANT - 4LB, 8HB, 65DEG, 6RET	NA
NNVVSS-360M-F3	ANT - 4LB, 8HB, 360DEG	NA
NNVVSS-360M-F6	ANT - 4LB, 8HB, 360DEG	NA
NNVVSS-360M-M	ANT - 4LB, 8HB, 360DEG	NA
NVVS4-65A-R3B	ANT-2LB,4 Mid Band,8HB,65DEG,3RET, 3SBT	NA
R2VV-6533B-R5	ANT- 2LB, 8HB, 65:33DEG. 5RET	NA
R-65C-R1VB	ANT - 2LB, 65DEG, 1RET	NA
RRS32-6590S-F-TM	ANT - 4LB, 64HB, 65:90DEG, TOP MODULE	NA
RRV42H-6533D-R8	ANT - 4LB, 12HB, 65:33DEG, 8RET	NA

# Discontinued Products

These part numbers will be discontinued on June 30, 2025.

Discontinued Part Number	Description	Replacement Part Number
RRV4-65C-R6	ANT - 4LB, 8HB, 65DEG, 6RET	NA
RRVV2HH-6533B-R6	ANT - 4LB, 12HB, 65:33DEG, 6RET	NA
RRVV-65D-R4-V3	ANT - 4LB, 4HB, 65DEG, 4RET	RRVV-65D-R4
RRZZ-65D-R4N39	ANT - 4LB, 4HB, 65DEG, 4RET	RRZZ-65D-R4N43V1
RRZZHHTTS4-65B-R8N	ANT - 4LB, 20HB, 65DEG, 8RET	RRZZHHTT-S4-B8V2 (MQ)
RRZZT4S465B-R6V4KT	ANT - 4LB, 20HB, 65DEG, 6RET, KIT	NA
RRZZV4-65D-R6H4	ANT, 4LB, 12HB	RRZZV4-65D-R8H4
RRZZV6-65B-R10H4	ANT - 4LB, 16HB, 65DEG, 10RET	NA
RV3-65D-R4-V3	ANT - 2LB, 6HB, 65DEG, 4RET	NA
RVHT2H-6533D-R6	ANT-2LB-10HB-65:33DEG-6RET	NA
RVV2H-6533B-R5	ANT - 2LB, 8HB, 65:33DEG, 5RET	NA
RVV-33B-R3-KT	ANT - 2LB, 4HB, 33DEG, 3RET, KIT	NA
RZV4-65D-R6-V2	ANT - 2LB, 10HB, 65DEG, 6RET	RZV5-65D-R7
RZV-65B-R3	ANT - 2LB, 4HB, 65DEG, 3RET	RZZ-65B-R3
RZVV-65A-R4	ANT - 2LB, 6HB, 65DEG, 4RET	NA
RZVV-65A-R4-V2	ANT - 2LB, 6HB, 65DEG, 4RET	NA
RZVV-65A-R4-V4	ANT - 2LB, 6HB, 65DEG, 4RET	NA
S4-90M-R1-V4	ANT - 8HB, 90DEG, 1RET	S4-90M-R1-V7 (MQ)
SSC-760239680		NA
T4S4-90A-R2	ANT - 16HB, 90DEG, 2RET	"T4S4-90A-R2-V3 (Mloc)
T4S4-90A-R2-V4 (MQ)"		
V4-360S-F2	ANT -8HB, 360DEG	NA
V4S4-360S-F2	ANT -16HB, 360DEG	NA
V4S4P-360S-F2	ANT -18HB, 360DEG	NA
VVPX310R-V5	ANT - 4HB, 65DEG, 2RET	VV-65A-R2VB
VVS4P-360S-F2	ANT -14HB, 360DEG	NA
VVS4SSP-360S-F2	ANT - 18HB, 360DEG	NA
VVSS-180HS-F2	ANT -8HB, 180DEG	NA
VVSS-65PS-F2	ANT -8HB, 65DEG	NA
VVSSP-360S-M	ANT - 10HB, 360DEG	NA
VVSSP-45S-R1BV2	ANT - 10HB, 45DEG, 1RET, 1SBT	NA
VVSSP-65PS-F2	ANT -10HB, 65DEG	NA

For more information, please contact your CommScope representative.

# Beamforming Antennas

## Single Band TDD Antennas

High Band 2300–3800 MHz

### 4 Ports (2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
SSPX310R-V2	3300–3800	65	18.00	0–10	752	300	7.5	4.3-10 Female	2	Type 7	
SS-65M-R2	3100-4200	65°	18-18.3	0–10	998	170	6.5	4.3-10 Female	2	Type 7	

### 8 Ports (4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
T4-90A-R1-V6	2300-2690	90°	17-22.7	2–12	1610	307	14.2	4.3-10 Female	1	Type 12	
S4-90M-R1-V2	3300–3800	90	15.7	2–12	1015	295	14.20	4.3-10 Female	1	Type 13	
S4-90M-R1-V4	3300–3800	90°	15.5–16	2–12	850	307	8.8	MQ4/MQ5	1	Type 13	
U4-90S-R1-J*	3400-5000	90°	15.3-21.5	5-15	700	200	7.5	4.3-10 Female	1	Type 13	

### 16 Ports (2BF)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
T4S4-90A-R2	2300–2690 3300–3800	90°	16.5 15.7–16.1	2–12	1499	498	31.5	4.3-10 Female	2	Type 92	
T4S4-90A-R2-V3	2300-2690 3300-3800	90° 90°	16.5-16.5 15.7-16.1	2-12	1499	498	31.5	M-LOC	2	Type 92	
T4S4-90A-R2-V4	2300-2690 3300-3800	90° 90°	16.5-16.5 15.7-16.1	2-12	1499	498	31.5	MQ4/MQ5	2	Type 92	

\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# Beamforming Antennas

## Multiband Slim FDD+TDD Antennas, 395mm-width

694–960 MHz/1427–2690 MHz/3300–3800 MHz

22 Ports (2L5H & 1BF)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EGZHHTTS4-65B-R7V2	694–862	65°	14.7	2-12	2100	395	42	4.3-10 Female MQ4-MQ5	7	Type 58	
	880–960	65°	15								
	1427–2690	65°	14.6–17								
	1695–2180	65°	16.5								
	2490–2690	65°	16.7								
	3300–3800	90°	15.1								
EGZHHTTS4-65B-R7	694–862	65°	14.7	2-12	2100	395	42	4.3-10 Female M-LOC	7	Type 60	
	880–960	65°	15								
	1427–2690	65°	14.6-17								
	1695–2180	65°	16.5								
	2490–2690	65°	16.7								
	3300–3800	90°	15.1								

Specifications are subject to change. Please visit our website for the latest specifications.

# Beamforming Antennas

## Multiband Slim FDD+TDD Antennas, 430mm-width

694–960 MHz/1427–2690 MHz/3300–3800 MHz

### 18 Ports (3L2H & 1BF)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EGRZVS4-65D-R6N43	694–862 880–960 694–960 427–2690 1695–2690 3300–3800	65°	15.6 16.1 16.3 16.2–18.2 18.2–18.7 15.8	2–12	2769	430	55.0	4.3-10 Female	6	Type 87	

### 20 Ports (2L4H & 1BF)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZZVVS4-65B-R7N43	694–960 1427-2690 1695-2690 3300-3800	65° 65° 65° 90°	15.6-16.4 15.4-18.3 17.3-18.1 15.8-20.9	2-12	2100	430	38.2	4.3-10 Female   M-LOC	7	Type 76	
RRZZVVS4-65D-R7N43	694–960 1427-2690 1695-2690 3300-3800	65° 65° 65° 90°	15.6-16.4 15.4-18.3 17.3-18.1 15.8-20.9	2-12	2769	430	49.6	4.3-10 Female M-LOC	6	Type 75	
RRZZVVS4-65BR7NV4	694-960 1427-2690 1695-2690 3300-3800	65° 65° 65° 90°	14.1-15 14.1-16.6 17.6-18.2 16	2-14 2-12 2-12	2100	430	46	4.3-10 Female   MQ4/MQ5	7	Type 76	
RRZZVVS4-65DR7NV4	694–960 1427-2690 1695-2690 3300-3800	65° 65° 65° 90°	15.6-16.4 15.4-18.3 17.3-18.1 15.8-20.8	2-12	2769	430	49.6	4.3-10 Female   MQ4/MQ5	7	Type 75	

Specifications are subject to change. Please visit our website for the latest specifications.

# Beamforming Antennas

## Multiband Slim FDD+TDD Antennas, 430mm-width

694–960 MHz/1427–2690 MHz/3300–3800 MHz

### 24 Ports (2L6H & 1BF)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZZHHTTS4-65B-R8N	694–960 1427–1518 1695–2180 2490–2690 3300–3800	65°	14.1–15.0 14.1–16.6 17.1 17.7 16.0	2–12	2100	430	47.0	4.3-10 Female M-LOC	8	Type 88	
RRZZHHTTS4-65BR8V2	694–960 1427–2690 1695–2180 2490–2690 3300–3800	65°	14.1–15.0 14.1–16.6 17.1 17.7 15.8	2–12	2100	430	47.0	4.3-10 Female MQ4-MQ5	8	Type 88	
RRZZV4S4-65D-R9N43	694–960 1427-2690 1695-2690 3300-3800	65° 65° 65° 90°	15.6-16.4 15.5-18.3 17.1-17.9 16.3-21.2 15.8-20.8	2-12 2-12 2-12 2-12	2769	430	53.8	4.3-10 Female M-LOC	9	Type 77	
RRZZV4S4-65DR9NV4	694-960 1427-2690 1695-2690 3300-3800	65° 65° 65° 90°	15.6-16.5 15.8-18.5 17.3-18 15.8	2-12	2769	430	37.965	4.3-10 Female MQ4-MQ5	9	Type 77	

### 24 Ports (3L5H & 1BF)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EGRZV4S4-65D-R9N43	694–862 880–960 694–960 1427–2690 1695–2690 3300–3800	65°	15.8 16.3 16.4 16.4–18.2 17.4–18.0 16.0	2–12	2767	430	59.0	4.3-10 Female	9	Type 89	

Specifications are subject to change. Please visit our website for the latest specifications.

# Beamforming Antennas

## Multiband FDD + TDD Antennas

694–960 MHz/1427–2690 MHz/3300–3800 MHz

### 10 Ports (1L2H & 4x4 MIMO in 3.5GHz)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
KVVSS-65A-R3**	617-960,	65°	12.9-13.2	4-18	1219	301	16.1	4.3-10 Female	3	Type 102	
	1695-2690,	65°	16.4-17.3	0-12							
	3100-4200	65°	15.5-16.0	0-12							

### 14 Ports (1L2H & 1BF)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RVVT4-65D-R4	694–960	65°	16.6–17.3	0–10	2688	350	37.8	4.3-10 Female	4	Type 91	
	1695–2690	65°	16.8–17.3	2–12							
	2300–2690	90°	16.3-21.3	2–12							
RVVT4-65D-R4VB*	698–960	65°	17-17.5	2-12	2647	397	27.3	4.3-10 Female MQ4/MQ5	4	Type 126	
	1710–2690	65°	17-18.3								
	2300–2690	90°	16.4-21.6								

### 16 Ports (2L2H & 1BF)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZS4-65D-R5	694–960	65°	15.9–16.8	2–12	2688	498	47	4.3-10 Female	5	Type 93	
	1427–2690	65°	15.3–17.7								
	3300–3800	90°	16.5-20.9								
RRZZT4-65A-R5	694–960	65°	13.2–13.4	2–16	1499	498	36.5	4.3-10 Female	5	Type 94	
	1427–2690	65°	15.4–18.3	2–12							
	2300–2690	90°	16.5-21.4	2–12							
RV3T4-65D-R5VB*	698–960	65°	17-17.4	2-12	2647	397	28.1	4.3-10 Female MQ4/MQ5	5	Type127	
	1710–2690	65°	17-18.6								
	2300–2690	90°	16.3-21.6								

### 16 Ports (2L2H & 1BF Wide Band)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRVQ4-65D-R5	694–960	65°	15.7-16.2	2–12	2688	498	52.6	4.3-10 Female M-LOC	5	Type 97	
	1695-2690	65°	17.7-18.6								
	2300-3800	90°	14.9-21.8								
RRVQ4-65D-R5V4	694-960	65°	15.7-16.4	2-12	2688	498	51.8	4.3-10 Female MQ4/MQ5	5	Type 97	
	1695-2690	65°	16.2-16.8								
	2300-3800	90°	14.8-21.8								

\*\*Supports 600 MHz band

Specifications are subject to change. Please visit our website for the latest specifications.

# Beamforming Antennas

## Multiband FDD + TDD Antennas

694–960 MHz/1427–2690 MHz/3300–3800 MHz

20 Ports (2L4H & 1BF Wide Band)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRV4Q4-65D-R7	694-960 1695-2690 2300-3800	65° 65° 90°	15.8-16.4 15.8-17.6 16.6-21.8	2-12	2688	498	54	4.3-10 Female M-LOC	7	Type 74	
RRV4Q4-65D-R7V2	694-960, 1695-2690, 2300-3800	65° 65° 90°	15.8-16.4 15.8-17.6 15.9-21.8	0-12	2688	498	55.1	4.3-10 Female	7	Type 74	
RRV4Q4-65D-R7V4	694-960, 1695-2690, 2300-3800	65° 65° 90°	15.8-16.4 15.8-17.6 15.9-21.8	2-12	2688	498	55	4.3-10 Female MQ4/MQ5	7	Type 74	
RRVV2VVQ4-6533D-R9	694-960 1695-2690 1710-2690 2300-3800	65° 65° 33° 90°	16.2-16.8 16.2-17.8 18.7-20.5 15.8-21.2	2-12	2688	579	67	4.3-10 Female M-LOC	9	Type 111	
RRZZVQ4-65B-R7	694-960 1427-2690 1695-2690 2300-3800	65° 65° 65° 90°	15.0-15.8 14.4-17.3 15.7-17.1 15.0-21.4	2-12	2100	498	40	4.3-10 Female M-LOC	7	Type 74	
RV4T4-65D-R6VB*	698-960 1710-2690 2300-2690	65° 65° 80°	15.7-16.5 16.1-17.2 15.9-20.9	2-16 2-12	2467	397	36	4.3-10 Female	6	Type 112	
RRV4Q4-65A-R7	694-960 1695-2690 2300-3800	65° 65° 90°	13.3-13.8 16.0-17.1 11.6-18.3	2-16 2-12	1499	498	35	4.3-10 Female M-LOC	7	Type 74	

\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# Beamforming Antennas

## Multiband FDD + TDD Antennas

694–960 MHz/1427–2690 MHz/3300–3800 MHz

### 28 Ports (2L4H & 2BF Wide Band)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZZVVQ4Q4-65DR8V4	694-960 1427-2690 1695-2690 2300-3800	65° 65° 65° 90°	15.8-16.0 15.2-18.1 16.5-18.1 14.0-21.4	2-12	2688	498	56.5	4.3-10 Female MQ4/MQ5	8	Type 109	
RRZZVVQ4Q4-65DR8	694-960 1427-2690 1695-2690 2300-3800 2300-3800	65° 65° 65° 90° 90°	15.8-16.1 15.3-18.2 16.7-18.3 14.2-21.3 14.2-21.3	2-12	2688	498	56.5	4.3-10 Female M-LOC	8	Type 109	
RRZZVVQ4Q4-65BR8V4* (SEED) 	694-960 1427-2690 1695-2690 2300-3800 2300-3800	65° 65° 65° 90° 90°	15.1-15.4 14.5-17.2 15.9-17.4 13.8-20.2 15.8-21.7	2-12	2198	498	54.6	4.3-10 Female	8	Type 109	

### 32 Ports (2L4H & 2BF Wide Band)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EEGGV4Q4Q465DR10	694-862 880-960 1695-2690 2300-3800	65° 65° 65° 90°	15.2 15.6 15.7-17.4 15.2-21.6	2-12	2688	498	69.5	4.3-10 Female MQ4/MQ5	10	Type 110	

\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# Beamforming Antennas

## Multiband FDD + TDD Antennas

694–960 MHz/1427–2690 MHz/3300–3800 MHz

24 Ports (2L2H & 2BF)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZZT4S4-65B-R6	694–960 1427–2690 2300–2690 3300–3800	65° 65° 90° 90°	15.1–15.6 16.0–18.3 15.3–20.6 15.9–20.9	2–12	2100	498	47.6	4.3-10 Female	6	Type 95	
RRZZT4S4-65B-R6V4	694–960 1427–2690 2300–2690 3300–3800	65° 65° 90° 90°	15.1–15.6 16.0–18.3 15.3–20.6 15.9–20.9 15.8–20.8	2-12	2100	498	47.6	4.3-10 Female MQ4/MQ5	6	Type 95	
RRVVT4S4-65D-R6	694–960 1695–2690 2300–2690 3300–3800	65° 65° 90° 90°	15.8–16.5 18.3–19.2 16.0–20.5 15.9–20.9	2–12	2688	498	56.8	4.3-10 Female M-LOC	6	Type 95	
RRZZHHTTS4-65B-R7	694–960 1427–2690 1695–2180 2490–2690 3300–3800	65° 65° 65° 90° 90°	14.7–15.3 15.0–17.0 17.9 18.7 16–20.8	2–12	2100	498	47	4.3-10 Female	7	Type 96	
RRYYHHTTS4-65A-R7	694–960 1427–1518 1695–2180 2490–2690 3300–3800	65° 65° 65° 65° 90°	13.4–13.8 14.9 15.9 16.8 15.9–20.6	2-16 2-12 2-12 2-12 2-12	1499	498	39.2	4.3-10 Female	7	Type 56	

28 Ports (2L4H & 2BF)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZZVVT4S4-65B-R8	694–960 1427–2690 1695–2690 2300–2690 3300–3800	65° 65° 65° 90° 90°	15.1–15.7 14.7–17.7 15.7–16.8 15.2–20.3 16.0–20.8	2-12	2180	498	48	4.3-10 Female M-LOC	8	Type 64	
RRZZVVT4S4-65D-R8	694–960 1427–2690 1695–2690 2300–2690 3300–3800	65° 65° 65° 90° 90°	15.7–16.1 14.9–17.8 16.8–17.8 16.3–21.2 15.9–20.3	2-12	2688	498	59.4	4.3-10 Female M-LOC	8	Type 64	
RRZZVVT4S4-65DR8V2	694–960 1427–2690 1695–2690 2300–2690 3300–3800	65° 65° 65° 90° 90°	15.7–16.1 14.9–17.8 16.8–17.8 16.3–21.2 15.9–20.3	2-12 2-12 2-12 2-12 2-12	2688	498	59.4	4.3-10 Female   MQ4/MQ5	8	Type 64	

32 Ports (2L6H & 2BF)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRYYHHTTT4S4-65BR8	694–960 1427–1518 1695–2180 2490–2690 2300–2690 3300–3800	65° 65° 65° 65° 90° 90°	15.0–15.5 15.4 16.9 17.7 14.9–20.0 16.1–20.9	2-12	2100	498	52	4.3-10 Female M-LOC	8	Type 59	

Specifications are subject to change. Please visit our website for the latest specifications.

# Multibeam Antennas

## Single Band Antennas

Low Band 694–960 MHz

### 2 Ports (1L)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
2UPX210B-T2	694–896	37°	17.9–18.7	0–10	2533	640	47	7-16 DIN Female	2	Type 47	

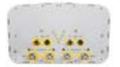
### 10 Ports (5L)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
5UPX0805F	698–894	13.5°	20.6	6	1617	1574	85	7-16 DIN Female	0	5-Beam Antenna	

## Single Band Antennas

High Band 1695–2690 MHz

### 4 Ports (2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
2H-33A-R2	1695–2400	38°	19.1–19.9	2–12	1400	350	17.6	4.3-10 Female	2	Type 49	

Specifications are subject to change. Please visit our website for the latest specifications.

\*\*-VTM models require a RET actuator to be ordered separately.

# Multibeam Antennas

## Single Band Antennas

High Band 1695–2690 MHz

### 8 Ports (4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
2HH-38A-R4-V2	1695–2400	38°	19.3–20.0	2–10	1224	640	29.7	4.3-10 Female	4	Type 50	
2VV-33C-R4-V4	1695–2690	33°	18.4–20.2	2–12	2499	395	36.8	4.3-10 Female	4	Type 51	
2VV-33C-R4-V6	1695–2690	33°	19.1–19.6	2–14 2–12 2–12	2499	395	29.8	4.3-10 Female	4	Type 51	
2VV-33C-R4-V8	1695–2690	33°	18.8–20.1	2–12	2499	395	23.5	4.3-10 Female	4	Type 51	
2VV-33B-R4	1695–2690	33°	17.7–18.6	2–12	1999	395	25.4	4.3-10	4	Type 51	

### 4- Beams 8 Ports (4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
4V-15A-R4*	1710–2690	15°	21.1–22.6	2–10	1224	640	38	4.3-10 Female	4	Type 120	

\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# Multibeam Antennas

## Single Band Antennas

High Band 1695–2690 MHz

### 10 Ports (5H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
5NPX1006F-V2	1710–2180	10–14°	21.7–22.3	6	889	864	30	4.3-10 Female	0	5-Beam Antenna	
5V-12A-R5*	1710-2690	10-14°	19.9-20.8	2-12	1045	749	40	4.3-10 Female	5	Type 122	

### 12 Ports (6H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
6V-10M-F6	1710–2690	10°	20.7-22.2	6	700	970	30	4.3-10 Female	0	Type 117	
6V-10M-R6*	1695–2690	10°	20.5-21.9	4-10	1000	970	43	4.3-10 Female	0	Type 117	

### 24 Ports (6H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
6VV-10A-F6	1710–2690	10°	20.5-22.1	6	1300	970	50.2	4.3-10 Female	0	Type 118	

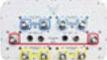
\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# Multibeam Antennas

## Multiband Hybrid Antennas

694–960 MHz/1695–2690 MHz

### 10 Ports (1L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
R2HH-6533A-R5	694–960 1710–2180	65° 33°	14.4–14.9 15.9–17.1	2–14	1580	350	25	4.3-10 Female	5	Type 52	
CVV2NPX308.208R	790–960 1695–2690 1695–2180	65° 65° 33°	15.8–16.1 16.9–17.3 16.2–18.1	0–10	2065	350	35.5	7-16 DIN Female	5	Type 53	
RVV2H-6533D-R5	694–960 1695–2690 1695–2180	65° 65° 33°	16.6–16.9 16.8–17.9 18.1–19.2	0–10 2–12 2–12	2688	350	30.5	4.3-10 Female	5	Type 54	

Specifications are subject to change. Please visit our website for the latest specifications.

# Multibeam Antennas

## Multiband Hybrid Antennas

694–960 MHz/1695–2690 MHz

### 12 Ports (2L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RR2VV-6533D-R6	698–960 1710–2690	65° 33°	15.7–16.5 18.3–19.8	2–12	2688	498	52.6	4.3-10 Female	6	Type 55	

### 14 Ports (1L6H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RVV2VV-6533D-R7	694–960 1695–2690 1695–2690	65° 65° 33°	16.6–16.8 17.1–18.0 17.4–19.1	2–12	2688	498	55.6	4.3-10 Female	7	Type 67	

Specifications are subject to change. Please visit our website for the latest specifications.

# Multibeam Antennas

## Multiband Hybrid Antennas

694–960 MHz/1695–2690 MHz

### 16 Ports (2L6H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRVV2HH-6533B-R6	694–960 1695–2690 1695–2400	65° 65° 33°	15.1–15.6 17–18.3 16.6–18.2	2–12	2100	498	46	4.3-10 Female	6	Type 63	
RRV42H-6533D-R8	694–960 1695–2690 4x1695–2400	65° 65° 33°	15.9–16.6 16.5–18.4 17.9–19.4	2–12	2688	498	53.6	4.3-10 Female	8	Type 65	
RRZZ2VV-6533B-R8	694–960 1427–2690 1710–2690	65° 65° 33°	15.1–15.6 15.4–18.3 17.1–19.1	2–12	2100	498	46	4.3-10 Female	8	Type 68	
RRZZ2VV-6533D-R8	694–960 1695–2690 1695–2690	65° 65° 33°	15.6–16.3 17.5–18.9 15.3–17.5	2–12	2688	498	53	4.3-10 Female	8	Type 68	
RRVV2VV-6533D-R8	694-960 1695-2690 1710-2690	65° 65° 33°	15.6-16.0 16.9-18.7 17.7-19.3	2-12 2-12 2-12	2577	498	48.5	4.3-10 Female	8	Type 68	
2RR2VV-33C-R4	694-960 1695-2690	33° 33°	14.0-15.5 17.2-18.5	2-16 2-12	2235	640	64	4.3-10 Female	4	Type 105	
RR3VV-6520D-R5*	694-960 1695-2690	65° 20°	15.7-16 19.7-20.9	2-12	2688	498	64	4.3-10 Female	5	Type 123	

### 20 Ports (2L8H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRV42VV-6533D-R10	694-960, 1695-2690, 1710-2690	65° 65° 33°	15.6-15.9 15.7-17.7 17.5-19.4	2-12	2688	498	58.6	4.3-10 Female	10	Type 103	
RR2VVT4-6533D-R7	694–960 1710–2690 2300–2690	65° 33° 90°	16-16.7 18.5-20.5 16.2-21.5	2-12	2688	579	63.5	4.3-10 Female M-LOC	7	Type 125	
RR2VVT4-6533D-R7V4*	694–960 1710–2690 2300–2690	65° 33° 90°	16-16.7 18.0-20.2 16.0-21.5	2-12	2688	579	63.5	4.3-10 Female M-LOC	7	Type 125	
RRV3VV-6520B-R7*	694-960 1695-2690 1695-2690	65° 65° 20°	15.6-15.9 16.5-17 19.5-20.1	2-12	2100	640	68	4.3-10 Female	7	Type 124	

Specifications are subject to change. Please visit our website for the latest specifications.

# Omni Antennas

## Single Band Antennas

Low Band 108–960 MHz

### 1 Port

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty
DB224-E	138–150	360°	8.1	0	6858		17.2	1	N Male	0
DB222-A	150–158	360°	5.1	0	3226		7.2	1	N Male	0
DB224-A	150–160	360°	8.1	0	6477		15.9	1	N Male	0
DB224-B	155–165	360°	8.1	0	6477		15.9	1	N Male	0
DB224-C	164–174	360°	8.1	0	6477		15.9	1	N Male	0
DB201-P	450–470	360°	2.1	0	483		2.7	1	N Male	0
DB404-B	450–470	360°	5.9	0	1524		6.4	1	N Male	0
DB408-B	450–470	360°	8.7	0	2870		7.7	1	N Male	0
DB411-B	450–470	360°	11.1	0	2870		11.3	1	N Male	0
DB420-B	450–470	360°	11.3	0	5918		15.6	1	N Male	0
ASP705K	450–470	360°	12.1	0	5588	Ø 76	10.0	1	N Female	0
DB630-C	450–482	360°	2.1	0	965	Ø 51	2.7	1	N Female	0
DB633-C	450–482	360°	5.1	0	1435	Ø 51	3.6	1	N Female	0
DB636-C	450–482	360°	8.1	0	2896	Ø 64	30.0	1	N Female	0
UNA008R-V2 (replaces UNA008RI-V2)	694–896	360°	8.9	0–8	2815	Ø 56	9.8	1	7-16 DIN Female	1
UNA010F-0-V2	694–896	360°	11.1	0	3414	Ø 56	9.1	1	7-16 DIN Female	0
UNA010FI-0-V2	694–896	360°	10.9	0	3414	Ø 56	9.1	1	7-16 DIN Female	0
DB809KE-XT	806–869	360°	11.1	0	3708	Ø 76	12.0	1	7-16 DIN Female	0
DB586-Y	890–960	360°	8.1	0	1499	Ø 38	3.6	1	N Female	0
DB589-Y	890–960	360°	11.1	0	2794	Ø 38	5.2	1	N Female	0

Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Single Band Slim FDD Antennas, 430mm-Width

Low Band 694–960 MHz

### 4 Ports (2L)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RR-65D-R2N43	694–960	65°	15.7–16.8	2–12	2769	430	37.7	4.3-10 Female	2	Type 4	
RR-85D-R2N43	694-960	85°	16.1-17.3	2-12	2769	430	37.6	4.3-10 Female	2	Type 4	

### 6 Ports (3L)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EGR-65D-R3N43	694-960	65°	15.8-16.7	2-12	2769	430	45.5	4.3-10 Female	3	Type 57	

## Single Band Slim FDD Antennas, 430mm-Width

High Band 1427–2690 MHz

### 8 Ports (4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
ZZVV-65A-R4N43	1427–2690 1695–2690	65°	15.4–17.6 16.8–17.6	2–12	1546	430	40	4.3-10 Female	4	Type 10	

Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

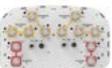
## Multiband Slim FDD Antennas, 395mm-width

694–960 MHz/1427–2690 MHz

### 8 Ports (2L2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZZ-65A-R4N39	694-960 1427-2690	65°	12.5-13.9 14.9-17.1	3-16 2-12	1499	395	30	4.3-10 Female	4	Type 81	
RRZZ-65D-R4N39	694-960 1427-2690	65°	15.6-16.6 15.4-18.0	2-12 2-12	2769	395	35.5	4.3-10 Female	4	Type 81	
RRZZ-65B-R4N39	694-960 1427-2690	65°	13.8-15.3 16.0-18.0	2-12	2100	395	30.5	4.3-10 Female	4	Type 81	
RRZZ-65B-R4N39-V1 (Fix Mechanical Tilt)	694-960 1427-2690	65° 65°	13.8-15.3 16.0-18.0	2-12	2100	395	30.5	4.3-10 Female	4	Type 81	
RRZZ-65B-R4N39V3* 	694-960 1427-2690	65° 65°	14.0-14.9 18.0-19.2	2-12	2100	395	31.5	4.3-10 Female	4	Type 19	

### 12 Ports (2L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRV4-65B-R6N39	694-960 1695-2690	65°	14.2-15.0 15.9-17.0	2-12	1999	395	30	4.3-10 Female	6	Type 35	

### 12 Ports (1L5H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RZV4-65D-R6	694-960 1427-2690 1695-2690	65°	17.1-16.8 17.0-18.3 15.5-17.6	2-12	2688	395	37.4	4.3-10 Female	6	Type 31	
RZV4-65D-R6-V2*	694-960 1427-2690 1695-2690	65°	16.8-17.1 15.5-17.6 17-18.3	2-12	2688	395	37.4	4.3-10 Female	6	Type 31	
RVHHTT-65A-R5	694-960 1695-2690 1695-2180 2490-2690	65°	14.0-14.6 16.7-17.3 16.6-17.4 17.3	2-17 2-12 2-12 2-12	1500	395	24	4.3-10 Female	5	Type 32	

### 14 Ports (2L5H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZHHTT-65A-R6N39	694-960 1427-2690 1695-2180 2490-2690	65°	13.1-13.6 15.2-18.1 16.7 17.9	3-16 2-12 2-12 2-12	1499	395	27.3	4.3-10 Female	6	Type 80	

### 16 Ports (2L6H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EGZV5-65D-R6-V2*	694-862 880-960 1427-2690 1695-2690	65°	16.3 16.5 15.2-17.6 16.8-17.7	2-12	2688	395	46.9	4.3-10 Female	6	Type 40	

\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Slim FDD Antennas, 430mm-width

694–960 MHz/1427–2690 MHz

### 8 Ports (2L2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZZ-65B-R4N43V2	694–960 1427–2690	65°	14.3–15.2 17.1–19.6	2–12	2100	430	29.5	4.3-10 Female	8	Type 81	
RRZZ-65B-R4N43	694–960 1427–2690	65°	14.6–15.3 16.2–18.4	2–12	2100	430	32.0	4.3-10 Female	4	Type 81	
RRZZ-65D-R4N43V1	694–960 1427–2690	65°	15.9–17.0 16.5–19.2	2-12	2769	430	38.7	4.3-10 Female	4	Type 81	
RRZZ-65D-R4N43V2	694–960 1427–2690 1695–2180 2490–2690 1695–2690	65°	15.4–16.5 16.5–18.9	2-12	2688	430	38.7	4.3-10 Female	4	Type 81	

### 10 Ports (3L2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EGRZV-65D-R5N43	694–862 880–960 694–960 1427–2690 1695–2690	65°	15.6 16.1 16.3 16.2–18.2 18.2–18.7	2–12	2769	430	52.0	4.3-10 Female	5	Type 82	

\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Slim FDD Antennas, 430mm-width

694–960 MHz/1427–2690 MHz

12 Ports (2L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRV4-65A-R6N43	694-960 1695-2690	65°	13.9-14.2 16.6-18.5	2-12	1549	430	28.7	4.3-10 Female	6	Type 35	
RRV4-65B-R6N43	694-960 1710-2690	65°	14.8-15.3 17.1-18.1	2-12	2100	430	36	4.3-10 Female	6	Type 35	
RRV4-65B-R6NV3* 	694-960 1695-2690	65° 65°	14.4-15.3 16.8-18.8	2-12	2100	430	39.5	4.3-10 Female	6	Type 35	
RRZZVV-65A-R6N43V2*	694-960 1427-2690 1695-2690	65° 65° 65°	13.3-13.8 14.9-18.4	2-12	1566	430	30.4	4.3-10 Female	6	Type 81	
RRZZVV-65B-R6N43	694-960 1427-2690 1695-2690	65°	14.6-15.1 15.5-18.3 17.8-18.6	2-12	2100	430	35.6	4.3-10 Female	6	Type 35	
RRZZVV-65BR6NV1	694-960 1427-2690 1695-2690	65°	14.7-15.1 15.5-18.3 17.8-18.6	2-12	2100	430	35.6	4.3-10 Female	6	Type 35	
RRZZVV-65AR6NV1	694-960, 1427-2690, 1695-2690	65° 65° 65°	13.4-14.3 15.3-18.5 17.4-18.0	2-16 2-12	1599	430	30.4	4.3-10 Female	6	Type 35	
RRZZVV-65D-R6N43	694-960 1427-2690 1695-2690	65°	15.4-16.2 15.4-17.7 17.5-18.1	2-12	2769	430	44.7	4.3-10 Female	6	Type 35	
RRZZVV-65D-R6N43V2	694-960 1427-2690 1695-2690	65°	15.8-16.6 15.3-17.8 17.6-18.3	2-12	2769	430	44.9	4.3-10 Female	6	Type 35	
RRZZVV-65D-R6NV3 (SEED) 	694-960 1427-2690 1695-2690	65° 65° 65°	15.5-16.4 15.6-18.8 17.2-18.6	2-12	2769	430	43	4.3-10 Female	6	Type 81	
RRZZVV-65B-R6NV3 (SEED) 	694-960 1427-2690 1695-2690	65°	14.8-15.4 16-18.4 17.7-18.8	2-12	2100	430	37.5	4.3-10 Female	6	Type 35	
RRZZVV-65D-R8N43D	694-960 1427-2690 1695-2690	65° 65° 65°	15.6-16.5 15.3-17.7 17.-17.5	2-12	2769	430	44.9	4.3-10 Female	8	Type 114	
RRZZVV-65B-R8NV3D* (SEED) 	694-960 1427-2690 1695-2690	65° 65° 65°	14.4-15.3 15.7-19 16.8-17.8	2-12	2100	430	37	4.3-10 Female	8	Type 84	

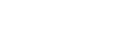
\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Slim FDD Antennas, 430mm-width

694–960 MHz/1427–2690 MHz

### 16 Ports (2L6H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZZHHTT-65A-R7N43	694–960 1427–2690 1695–2180 2490–2690	65°	12.8–13.5 14.3–17.1 15.7 16.7	2–12	1499	430	32.0	4.3-10 Female	7	Type 84	
RRZZHHTT-65B-R7N43	694–960 1427–2690 1695–2180 2490–2690	65°	14.8–15.3 16.0–18.1 17.4 17.7	2–12	2100	430	49.7	4.3-10 Female	7	Type 84	
RRZZHHTT-65B-R8NV3* (SEED)	694–960 1427–2690 1695–2180 2490–2690	65° 65° 65° 65°	14.4-15.3 15.7-19 16.8-17.8	2-12	2100	430	37	4.3-10 Female	8	Type 84	
RRZZHHTT-65BR7N43F (Fix Mechanical Tilt)	694-960 1427-2690 1695-2180 2490-2690	65° 65° 65° 65°	14.4-15 14.6-18.0 15.9-16.7 17	2-12	2100	430	37.5	4.3-10 Female	7	Type 84	
RRZZHHTT-65AR7N43F (Fix Mechanical Tilt)	694-960 1427-2690 1695-2180 2490-2690	65° 65° 65° 65°	13.4-13.8 15.6-18 16.6-17.2 17.4	2-12	1599	430	33.2	4.3-10 Female	7	Type 84	
RRZZV4-65D-R8N43	694–960 1427–2690 1695–2690	65°	15.7-16.6 15.8-18.5 17.3-18.0	2-12	2769	430	49.5	4.3-10 Female	8	Type 85	
RRZZV4-65D-R8NV1	694-960 1427-2690 1695-2690	65° 65° 65°	15.6-16.2 15.3-18.2 16.2-17.9	2-12	2769	430	47.9	4.3-10 Female	8	Type 85	
RRZZV4-65D-R8NV3* (SEED)	694-960 1427-2690 1695-2690	65° 65° 65°	15.5-16.1 14.8-17.8 16.8-18.8	2-12	2769	430	50.5	4.3-10 Female	8	Type 85	

### 16 Ports (3L5H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EGRZV4-65D-R8N43	694–862 880–960 694–960 1427–2690 1695–2690	65°	15.3 15.6 15.9 16.2–18.0 16.5–17.6	2–12	2769	430	56.0	4.3-10 Female	8	Type 86	

### 18 Ports (3L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EGRZZHHTT-65BR8N43	694–862 880-960 694–960 1427–2690 1695-2200 2490-2690	65°	14.4 14.9 15.1 15.6 17.4 18.2	2-12	2100	430	46.5	4.3-10 Female	8	Type 72	
EGRZZHHTT-65A-R8	694–862 880-960 694–960 1427–2690 1695-2180 2490-2690	65° 65° 65° 65° 65°	13.6 13.8 14.3 15.9-18 17.2 17.8	3-16 2-12	1599	498	39	4.3-10 Female	8	Type 72	

Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Single Band Antennas

Low Band 410–960 MHz

### 2 Ports (1L)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
DB654DG65A-C	410–512	65	15	0	1981	483	19.00	7-16 DIN Female	0	Type 1	
LDX-3319DS-VTM**	790–960	33	20	0–8	2581	591	29.00	7-16 DIN Female	1	Type 1	
LDX-9014DS-VTM**	790–960	90	16	0–8	2435	225	18.10	7-16 DIN Female	0	Type 1	
LNX-6515DS-A1M** (replaces LNX-6515DS-VTM)	698–896	65	17	0–8	2453	301	19.80	7-16 DIN Female	1	Type 1	
RPX310B-T2H	694–960	65	17	0–10	2533	350	26.80	7-16 DIN Female	1	Type 1	
R-65B-R1VB	694–960	65	15.8-16.6	2-12	2000	320	19.9	4.3-10 Female	1	Type 1	
R-65C-R1VB	694-960	65°	16.8-17.8	3-14	2500	320	21	4.3-10 Female	1	Type 1	
R-65C-R1VB-V4	694-960	65°	16.5-17.4	0-10	2500	320	22.3	4.3-10 Female	1	Type 1	

Specifications are subject to change. Please visit our website for the latest specifications.

(\*) Antenna will be discontinued March 31, 2023

\*\*-VTM models require a [RET actuator](#) to be ordered separately.

# Sector Antennas

## Single Band Antennas

Low Band 694–960 MHz

### 4 Ports (2L)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RR-65B-R2	694–960	65	15.00	2–12	1828	498	33	4.3-10 Female	2	Type 4	
RR-65A-R2VB	694–960	65	14.1-14.9	2–12	1497	467	19	4.3-10 Female	2	Type 4	
4P-4L-A2	694-960	65°	14.5-15.2	2-12	1497	467	15.6	4.3-10 Female	2	Type 4	
RR-65B-R2VB	694-960	65°	15.4-16.1	0-12	1997	467	24.5	4.3-10 Female	2	Type 4	
RR-65C-R2VB-V2	694-960	65°	15.8-16.6	0-10	2497	427	27.6	4.3-10 Female	2	Type 4	
RR-65C-R2VB-V3*	694-960	65°	15.5-16.1 14.8-17.8 16.8-18.8	2-12	2497	427	26.5	4.3-10 Female	2	Type 4	

Specifications are subject to change. Please visit our website for the latest specifications.

\*\*-VTM models require a [RET actuator](#) to be ordered separately.

# Sector Antennas

## Single Band Antennas

High Band 1695–2690 MHz

2 Ports (1H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
HBX-9016DS-VTM**	1710–2180	90	18.00	0–6	1897	172	7.6	7-16 DIN Female	1	Type 2	
V-33A-R1VB*	1695–2690	33	20.1-21.5	2-12	1475	300		4.3-10 Female	1	Type 3	
V-65A-R1VB	1695–2690	65	17.6-18.5	2-12	1493	160	8.5	4.3-10 Female	1	Type 3	

Specifications are subject to change. Please visit our website for the latest specifications.

\* Please contact [CommScope Technical Support](#) to learn more about this product.

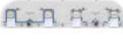
\*\* -VTM models require a [RET actuator](#) to be ordered separately.

# Sector Antennas

## Single Band Antennas

High Band 1695–2690 MHz

### 4 Ports (2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
<a href="#">HBXX-3319DS-VTM**</a> <a href="#">HBXX-3319DS-A2M</a>	1710–2180	33	20.50	0–10	1448	564	17.3	7-16 DIN Female	2	Type 5	
<a href="#">VV-65A-R1B</a> (replaces <a href="#">VV-65A-R1B-V2</a> and <a href="#">VVPX310R-V5</a> )	1695–2690	65	18.50	0–12	1390	305	11.2	4.3-10 Female	1	Type 6	
<a href="#">VV-65A-R2</a>	1695–2690	65	18.0	0–10	1390	305	14	4.3-10 Female	2	Type 6	
<a href="#">VV-65A-R2VB-V2</a>	1695–2690	65°	17.3–18.5	0–10	1377	257	9.8	4.3-10 Female	2	Type 6	

Specifications are subject to change. Please visit our website for the latest specifications.

(\*) Antenna will be discontinued March 31, 2023

\* Please contact [CommScope Technical Support](#) to learn more about this product.

\*\*-VTM models require a [RET actuator](#) to be ordered separately.

# Sector Antennas

## Multiband Antennas

694–960 MHz/1695–2690 MHz

### 6 Ports (1L2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RV-65S-FVB	698-960 1710-2690	65° 65°	11.0-11.7 13.4-15.0	4	597	300	4.6	4.3-10 Female	0	Type 121	
RVV-65A-R3 (replaces RVV-65A-M, RVV-65A-3X2 and TBXLHA-6565B-VTM)	694–960 1695–2690	65°	14.1–14.7 17.5–18.3	3–16 2–12	1400	350	19.30	4.3-10 Female	3	Type 18	
RVV65B-C3-3XR	694–960 1695–2690	65°	15.2–15.4 18.3–19.3	0–13 2–12	1850	301	23.00	4.3-10 Female	3	Type 18	
RVV-65D-R3 (replaces CVV65DSX-M, RVV-65D-M, RVV-65D-R3-V2, and RVV-65D-R3-V3)	694–960 1695–2690	65°	16.6–17.2 18.4–19.2	0–10 2–12	2688	350	30.50	4.3-10 Female	3	Type 18	
RZZ-65B-R3	694-960, 1427-2690	65° 65°	15.4-15.8 16.7-18.8	2-14 2-12	1828	350	23.7	4.3-10 Female	3	Type 18	
RZZ-65D-R3	694-960 1427-2690	65° 65°	16.8-17.4 16.6-19.0	2-14 2-12	2688	350	37.9	4.3-10 Female	3	Type 18	
RVV-65S-FVB*	698-960 1695-2690	65° 65°	11.0-11.5 14.2-15.7	0	497	397	6	4.3-10 Female	0	Type 18	
RVV-65M-R3VB	698-960 1710-2690	65° 65°	12.8-14.1 14.8-16.5	3-16 2-12	997	397	14.2	4.3-10 Female	3	Type 18	
RVV-65B-R3VB	694-960, 1695-2690	65° 65°	15.3-16.4 17.5-18.4	2-15 2-12	1997	397	23.5	4.3-10 Female	3	Type 18	
RVV-65B-R3VB-V2	694-960, 1695-2690	65° 65°	15.3-16.4 17.5-18.4	2-15 2-12	1997	397	23.5	4.3-10 Female	3	Type 18	
RVV-65D-R3VB	694-960 1695-2690	65° 65°	16.7-17.7 17.5-19.2	2-12	2547	397	28.5	4.3-10 Female	3	Type 18	
RVV-65D-R3VB-V2	694-960 1695-2690	65° 65°	16.7-17.8 17.6-18.8	2-12	2547	397	28.9	4.3-10 Female	3	Type 18	

\* Please contact [CommScope Technical Support](#) to learn more about this product.

(\*) Antenna will be discontinued March 31, 2023

Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Antennas

694–960 MHz/1427–2690 MHz

6 Ports (1L2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RZV-65B-R3	694–960 1427–2690 1695–2690	65°	15.3–16.0 16.2 17.9–19.0	2–14 2–12 2–12	1828	350	23.00	4.3-10 Female	3	Type 18	

Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Antennas

694–960 MHz/1427–2690 MHz

### 8 Ports (2L2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRVV-65B-R4-V2	694–960 1695–2690	65°	14.6–15.2 18.6–19.3	2–12	1828	498	35.50	4.3-10 Female	4	Type 19	
RRVV-65B-R4-V4	694–960 1695–2690	65° 65°	14.6–15.2 18.4–19.2	2-12	1828	498	35.3	4.3-10 Female	4	Type 19	
RRVV-65D-R4	694–960 1695–2690	65°	15.7–16.9 18.5–19.2	2–12	2688	498	48.80	4.3-10 Female	4	Type 19	
RRVV-65D-R4VB	694–960 1695–2690	65°	16.2–16.8 17.9–18.4	2-12	2497	498	38.2	4.3-10 Female	4	Type 19	
RRZZ-65A-R4	694–960 1427–2690	65°	13.6–13.9 15.4–17.4	2–16 2–12	1499	498	33.00	4.3-10 Female	4	Type 19	
RRVV-65A-R4VB	694–960 1695–2690	65° 65°	14.2–14.6 17.4–17.9	2-12	1499	498	30.5	4.3-10 Female	4	Type 19	
RRVV-65B-R4VB-V2	698–960 1710–2690	65° 65°	15.6–16.3 17.3–18.5	2-12	2090	469	32	4.3-10 Female	4	Type 19	
RRZZ-65B-R4	694–960 1427–2690	65°	14.4–15.1 15.4–18.1	2–12	1828	498	35.10	4.3-10 Female	4	Type 19	
EGVV65A-FL-C3-4XR	694–862 880–960 1695–2690	65°	13.4 13.8 16.8–17.9	2–17 2–17 2–12	1416.50	301	23.90	4.3-10 Female	4	Type 20	
EGVV65B-FL-C3-4XR	694–862 880–960 1695–2690	65°	15.2 15.5 18.2–18.8	2–14 2–14 2–12	1850	350	30.50	4.3-10 Female	4	Type 20	

\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Antennas

694–960 MHz/1427–2690 MHz

### 8 Ports (1L3H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
<a href="#">RV3-65D-R4-V2</a> (replaces RV365D-4X2)	694–960 1695–2690	65°	16.5–17.4 17.0–18.2	0–10 2–12	2830	350	32.5	7-16 DIN Female	4	Type 21	
<a href="#">RV3-65D-R4-V3</a>	694–960 1695–2690	65°	16.5–17.4 17.0–18.2	0–10 2–12	2830	350	31.7	4.3-10 Female	4	Type 21	
<a href="#">RHTV65A-FH-C3-4XR</a>	694–960 1695–2180 2490–2690 1695–2690	65°	14.6–14.1 17.0–16.8 17.2 18.1–17.3	3–18 3–13 3–13 3–13	1400	350	19.9	4.3-10 Female	4	Type 22	
<a href="#">RZVV-65A-R4-V4</a>	694–960 1427–2690 1695–2690	65°	13.7–14.2 15.3–18.0 16.8–18.0	2–18 2–12 2–12	1499	395	22.8	4.3–10 Female	4	Type 24	
<a href="#">RZVV-65B-R4</a>	694–960 1427–2690 1695–2690	65°	14.7–15.3 16.1 17.3–18.9	2–14 2–12 2–12	1980	395	29.4	4.3-10 Female	4	Type 24	
<a href="#">RRVV-85D-R4N43</a>	694-960, 1695-2690	85° 85°	15.5-16.6 16.5-17.9	2-12	2769	430	40.7	4.3-10 Female	4	Type 19	

\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Antennas

694–960 MHz/1427–2690 MHz

### 10 Ports (1L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
<a href="#">RHHTT-65A-R4-V2</a>	694–960 1695–2180 2490–2690	65°	14.7–14.2 17.4–17.1 17.6	3–18 3–13 3–13	1400	350	20.3	4.3-10 Female	4	Type 25	
<a href="#">RV4-65B-R5-V2</a>	694–960 1695–2690	65°	15.4–16.0 16.3–16.9	0–12	2100	350	28.0	4.3-10 Female	5	Type 26	
<a href="#">RV4-65B-R5VB*</a>	694–960 1695–2690	65° 65°	15.4-16 15.6-16.6	2-12	1990	301	21.5	4.3-10 Female	0	Type 26	

Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Antennas

694–960 MHz/1427–2690 MHz

### 10 Ports (1L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RV4-65D-R5-V6	694–960 1695–2690	65°	16.7–17.4 16.8–18.1	0–10 2–12	2688	350	33.5	4.3-10 Female	5	Type 26	
KZZVV-65D-R5**	617-960 1427-2690 1695-2690	65° 65° 65°	16.0-16.5 15.0-17.3 16.5-17.5	2-12	2688	350	33.6	4.3-10 Female	5	Type 26	
RV4PX310R-V2	694–960 1695–2690	65°	16.0–16.9 16.8–18.0	0–10	2533	350	39.7	7-16 DIN Female	5	Type 26	
RV4PX306R	694–960 1695–2690	65°	14.2–14.9 14.7–16.1	0–10	1599	353	24.0	7-16 DIN Female	5	Type 27	

\*\*Supports 600 MHz band

Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Antennas

694–960 MHz/1427–2690 MHz

10 Ports (2L3H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRV3-65D-R5	694–960 1695–2690	65°	15.8–16.8 17.0–18.3	2–12	2688	498	50.1	4.3-10 Female	5	Type 30	

\* Antenna will be discontinued March 31, 2023

Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Antennas

694–960 MHz/1427–2690 MHz

12 Ports (2L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EGV4-65D-R6	694–862 880–960 1695–2690	65°	16.7 17.0 17.0–18.3	2–12	2688	350	43.5	4.3-10 Female	6	Type 33	
RRV4-85B-R6	694-960 1695-2690	85°	14.3-14.8 15.9-17.9	2-14 2-12	1828	498	37.3	4.3-10 Female	6	Type 35	
RRV4-65A-R6	694–960 1695–2690	65°	13.3–13.8 16.5–18.2	2–16 2–12	1499	498	33	4.3-10 Female	6	Type 35	
RRV4-65A-R6-V2	694–960 1695–2690	65°	13.3–13.8 16.4–18.1	2–16 2–12	1499	498	33	4.3-10 Female	6	Type 35	
RRV4-65D-R6-V3	694–960 1695–2690	65°	16.2–16.8 17.3–18.0	2–12	2688	498	49.5	4.3-10 Female	6	Type 34	
RRV4-65B-R6	698–960 1695–2690	65°	14.9–15.3 16.0–16.4	2–14	1828	498	38	4.3-10 Female	6	Type 34	
RRV4-65C-R6	694–960 1695–2690	65°	15.6–16.2 17.1–17.5	2–12	2438	498	46.3	4.3-10 Female	6	Type 34	
RRV4-65D-R6	694–960 1695–2690	65°	15.8–16.8 17.0–17.7	2–12	2688	498	51.5	4.3-10 Female	6	Type 34	
RRV4-65B-R6H4	694–960 1695–2690	65°	14.1–14.7 16.4–17.9	2–14 2–12	1848	498	36.5	4.3-10 Female	6	Type 35	
RRZZVV-65B-R6H4	694–960 1427–2690 1695–2690	65°	14.3–14.7 15.9–17.9 17.9–18.3	2–14 2–12 2–12	1848	498	37.5	4.3-10 Female	6	Type 35	
RRV4-6585B-R6H4	694-960 1695-2690	65° 85°	14.92-15.4 17-18.6	2-12	2180	498	40.5	4.3-10 Female	6	Type 35	
RRV4-65B-R6-PS (*)	698-960, 1695-2690	65° 65°	14.9-15.3 15.9-16.5	2-14	1859	498	37.2	4.3-10 Female	6	Type 34	

Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Antennas

694–960 MHz/1427–2690 MHz

### 12 Ports (2L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRV4-65D-R6VB-V6	694–960 1695–2690	65° 65°	16.2–17.1 16.8–17.3	2-12	2580	469	43.7	4.3-10 Female	6	Type 34	
RRV4-65B-R6VB	694–960 1695–2690	65° 65°	14.8–15.4 16.0–16.3	2-12	2000	469	32.6	4.3-10 Female	6	Type 34	
RRV4-65B-R6H4VB	694–960 1695–2690	65° 65°	14.9–15.5 17.1–18	2-12	2000	499	34.2	4.3-10 Female	6	Type 35	
RRV4-65D-R6H4VB*	698–960 1710–2690	65° 65°	14.9–15.5 17.1–18	2-12	2580	499	43.2	4.3-10 Female	6	Type 35	
RRV4-65D-R6H4VB-V2*	698–960 1710–2690	65° 65°	14.9–15.5 17.1–18	2-12	2580	499	44	7/16 DIN Female	6	Type 35	

\* Please contact [CommScope Technical Support](#) to learn more about this product.

(\*) Antenna with APS-XT-GPS integrated

Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Antennas

694–960 MHz/1427–2690 MHz

### 14 Ports (2L5H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EGYHHTT-65A-R6	694–862 880–960 1427–1518 1695–2180 2490–2690	65°	14.3 14.6 15.7 16.5–16.7 16.8–16.9	2–17 2–12	1499	350	28.5	4.3-10 Female	6	Type 36	
EGYHHTT-65B-R6	694–862 880–960 1427–1518 1695–2180 2490–2690	65°	14.8 15.1 16.3 17.2–17.9 17.9–17.4	2–14 2–14 2–12 2–12	1828	350	33	4.3-10 Female	6	Type 36	
EGZHHTT-65B-R6	694–862 880–960 1427–2690 1695–2180 2490–2690	65°	14.9 14.9 16.4–18.5 17.5–18.2 18.0	2–14 2–14 2–12 2–12 2–12	1980	395	39.5	4.3-10 Female	6	Type 37	

### 14 Ports (3L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EGRV4-65D-R6	694–862 880–960 694–960 1695–2690	65°	15.7 16.2 16.3–17.0 17.2–18.3	2–12 2–12 2–12 2–12	2688	498	59.8	4.3-10 Female	4	Type 39	
EGRV4-65B-R7H4	694–862 880–960 694–960 1695–2690	65°	16.3 16.5 15.2–17.6 16.8–17.7	2-12	2100	395	46.5	4.3-10 Female	7	Type 39	

Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Antennas

694–960 MHz/1427–2690 MHz

### 16 Ports (2L6H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZZHHTT-65A-R6H4	694–960 1427–2690 1695–2180 2490–2690	65°	13.2–13.7 15.3–18.3 16.9 17.8	2–16 2–12 2–12 2–12	1499	498	33.9	4.3-10 Female	6	Type 42	
RRZZHHTT-65B-R6H4	694–960 1427–2690 1695–2180 2490–2690	65°	14.9–15.6 15.1–17.5 18.1 18.6	2–12	2100	498	42.5	4.3-10 Female	6	Type 42	
RRZZHHTT-65D-R6	694–960 1427–2690 1695–2180 2490–2690	65°	16.2–16.7 15.1–17.3 16.8–17.3 16.9	2–12	2688	498	53.2	4.3-10 Female	6	Type 42	
RRZZV4-65D-R6H4	694–960 1427–2690 1695–2690	65°	15.6–16.1 15.3–17.7 17.4–17.9	2–14 2–12 2–12	2688	498	53.5	4.3-10 Female	6	Type 43	
RRZZV4-65B-R8H4	694-960 1427-2690 1695-2690	65°	15-15.6 16.4-18.9 16.4-17	2-14 2-12 2-12	2100	498	42.9	4.3-10 Female	8	Type 43	
RRZZV4-65D-R8H4	694–960 1427–2690 1695–2690	65°	15.6–16.1 15.3–17.7 17.4–17.9	2–14 2–12 2–12	2688	498	52.8	4.3-10 Female	8	Type 43	

\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Antennas

617–960 MHz/1427-2690 MHz

### 18 Ports (3L6H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
FGKZZV4-65D-R9	617–862 880–960 617–960 1427–2690 1695–2690	65°	15.3 15.6 15.8 15.2–18.0 17.0–18.0	2–12	2688	498	64	4.3-10 Female	9	Type 69	

### 20 Ports (2L8H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZZV6-65B-R10H4	694–960 1427–2690 1695–2690	65°	14.6-15.1 14.8-16.7 15.8-16.8	2-12	2100	498	42	4.3-10 Female	10	Type 61	
RRZZV6-65D-R10	694-960 1427-2690 1695-2690	65°	15.9-16.2 15.7- 18.1 17.2-18.0	2-14 2-12 2-12	2688	498	56.5	4.3-10 Female	10	Type 61	
RRZZHHTTVV65CR10V3 (SEED)	694–960 1427–2690 1695-2180 2490-2690 1695-2690	65°	15.0-15.7 15.1-17.4 17.5 17.7 17-18	2-12	2250	498	44.8	4.3-10 Female	10	Type 113	
RRZZV6-65D-R10F**	694-960 1427-2690 1695-2690	65° 65° 65°	15.9-16.2 15.7- 18.1 17.2-18.0	2-14 2-12 2-12	2688	498	46.1	4.3-10 Female	10	Type 61	

### 26 Ports (3L10H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EGRZZHHTTV4-65D-R8	694–862 880–960 694–960 1427–2690 1695–1880 2300–2690 1695–2690	65°	15.4 15.7 16.2 15.5 15.9 17.6 16.9–17.9	2–14 2–14 2–14 2–12 2–12 2–12 2–12	2688	498	67.6	4.3-10 Female	8	Type 45	

\* Please contact [CommScope Technical Support](#) to learn more about this product. \*\*Fixed mechanical tilt Specifications are subject to change. Please visit our website for the latest specifications.

# Sector Antennas

## Multiband Antennas

694–960 MHz/1427–2690 MHz

### 30 Ports (3L12H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
EGRZZH4T4VV65DR8V2	694–862	65°	15.2	2–14	2688	498	69.6	4.3-10 Female	8	Type 46	
	880–960		15.4	2–14							
	694–960		16.1	2–14							
	1427–2690		14.8	2–12							
	1695–1880		16.2–17.1	2–12							
	2300–2690		17.8	2–12							
	1695–2691		16.9–17.6	2–12							
EGRZZH4T4VV65DR10	694–862	65°	15.9	2–14	2688	498	67.3	4.3-10 Female	10	Type 46	
	880–960		16	2–12							
	694–960		15.9–16	2–12							
	1427–2690		15–17.8	2–12							
	1695–2180		15.8–16.8	2–12							
	2490–2690		17.5	2–12							
	1695–2690		17.1–17.8	2–12							

Specifications are subject to change. Please visit our website for the latest specifications.

# High Gain Antennas

## Multiband Antennas

2x 694–960 MHz/ 4x 1695 – 2690 MHz

### 8 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
R-33D-R1VB	694–960	33	18.9-20	2-12	2600	579	35.3	4.3-10 Female	1	Type 1	
B-65B-R1VB	380-470	65°	13.4–13.9	2-12	2002	500	24	4.3-10 Female	1	Type 1	
RVV-33B-R3	694–960 1695–2690	33°	17.7–18.7 20.0–21.5	2–13 2–12	1830	640	44.00	4.3-10 Female	3	Type 18	
RVV-45A-R3	694–960 1695–2690	45°	15.5–16.5 18.5–19.6	2–12 2–18	1399	457	26.10	4.3-10 Female	3	Type 18	
VV-33A-R2VB*	1695–2690	33	20.1-21.7	2-12	1498	498	19	4.3-10 Female	2	Type 6	
RRZZ-33D-R4	694-960 1427-2690	33°	16.9-18.6 19-21.2	2-14 2-12	2688	749	66	4.3-10 Female	4	Type 81	

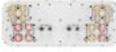
\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

## 3 Low Band Antenna

### Multiband Antennas

694-960 MHz/1695-2690 MHz

#### 16 Ports (3L5H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRCZV4-65B-R8	694-960 790-960 1427-2690 1695-2690	65°	14.4-14.5 13.1 16.4-18.2 16-16.4	2-12	2280	498	45.9	4.3-10 Female	8	Type 71	

#### 18 Ports (3L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
R3V6-65B-R9	694-960 1695-2690	65° 65°	12.4-15.1 16.3-18.0	2-12	2100	579	48	4.3-10 Female	9	Type 106	
R3ZZV4-65B-R9	694-960 1427-2690 1695-2690	65° 65° 65°	13.4-14.8 14.2-17.4 15.7-17.2	2-12	2100	579	50.1	4.3-10 Female	9	Type 106	

\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# FDD Beamforming Antenna

## Multiband Antennas

694-960 MHz/1427-2690 MHz

### 16 Ports (2L2H & 1BF FDD)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZZV4-6590B-R5V3* (SEED) 	694-960 1427-1695 1695-2690	65° 65° 90°	15-15.4 17-18.5 20.4-22.2	2-12	2100	498	43.8	2*MQ4+4.3-10 CAL separated	5	Type 107	
RRZZV4-6590D-R5V5* (SEED) 	694-960 1427-2690 1695-2690	65° 65° 90°	16.1-16.5 17.3-18.9 21.4-21.9	2-12	2688	498	50	2*MQ4+4.3-10 CAL separated	5	Type 107	
RRZZV4-6590D-R5V4	694-960 1427-2690 1695-2690	65° 65° 90°	15.7-16.1 16.9-18.2 20.4-21.0	2-12	2688	498	45.2	4.3-10 Female MQ4/MQ5	5	Type 107	
RRZZV4Q4-6590BR6V4*	694-960 1427-2690 1695-2690 2300-3800	65° 65° 90° 90°	15-15.3 17-19.1 18.6-19.6 19.9-22.2	2-12	2198	498	41.5	2*MQ4+4.3-10 CAL separated	6	Type 95	
RRZ4-6590B-R6NV3* (SEED) 	694-960 1427-2690	65° 90°	14.4-15.3 14.4-22.9	2-12	2100	430	37	4.3-10 Female	6	Type 35	

### 32 Ports (2L2H & 1BF FDD & 2 BF TDD)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RRZZV4T4S4-6590DR7	694-960 1427-2690 1695-2690 2300-2690 3300-3800	65° 65° 90° 90° 90°	15.7-16 14.1-17.2 14.4-21.1 14.8-20.2 15.3-20.3	2-12	2688	498	59.5	4.3-10 Female M-LOC	7	Type 119	

\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# Stadium Antennas

## Multiband Antennas

694–960 MHz/1695–2690 MHz/3300–3800 MHz

### 10 Ports (2L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	Array Type	
RVSS-50M-F	694–960 1695–2690 3300–3800	50°	10.9–11.6 11.0–11.3 11.2–11.9	0	835	1353	40	4.3-10 Female	0	Type 70	

\* Please contact [CommScope Technical Support](#) to learn more about this product.  
Specifications are subject to change. Please visit our website for the latest specifications.

# Tri-sector Antennas

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type	
O2P-2L-B1	694-960	360°	10.4-11.4	2-14	1999	305	22.6	2	4.3-10 Female	1	Type 1	
3X-V65A-3XR	1710-2690	65°	17.3-18.9	0-12	1874	20	19	6	7-16 DIN Female	3	Type 3	
3X-RVV-65A-R9	694-960 1695-2690 1695-2690	65°	14.0-14.7 17.2-18.1 17.2-18.1	2-12	1446	370	34.4	24	4.3-10 Female	3	Type 78	
3X-S4-90M-R3	3300-4000	90°	15.2-21	2-12	880	370	21.9	24	M-LOC	3	Type 79	
3X-KZZS-65A-R9*	617-960, 1427-2690, 3100-4200	65° 65° 65°	12.8-13.1 15.1-17.8 15.2-15.6	2-12	1446	370	40.4	30	4.3-10 Female M-LOC	9	Type 104	
3X-KVVSS-65A-R9	617-960 1695-2690 3100-4200	65° 65° 90°	12.7-13.4 16.3-17 14.9-15.6	4-14 2-12	1446	370	36.2	30	4.3-10 Female M-LOC	9	Type 104	
3X-RRV4-65B-R12	694-960 1695-2690	65°	14.2-14.8 16.3-18.2	2-12	2030	580	73.6	36	4.3-10 Female	12	Type 98	
3X-KVWS4-65B-R12	617-960, 1695-2690, 3300-3800	65° 65° 90°	15.1-15.8 16.5-17.5 15.5	2-12	2100	370	54	42	4.3-10 Female M-LOC	12	Type 100	
3X-KVVQ4-65B-R12*	617-960 1695-2690 2300-3800	65° 65° 65°	14.4-15.7 16.4-17.2 14.4-21.2	2-12	2100	370	56.4	42	4.3-10 Female M-LOC	12	Type 100	
3X-KKV4S4-65B-R15	617-960 1695-2690 3100-4200	65° 65° 90°	13.4-14.7 15-17.1 15.2-20.7	2-12	2100	580	105	60	4.3-10 Female M-LOC	9	Type 115	
3X-RRZZHHTTS4-BR24	694-960, 1427-2690, 1695-2180, 2490-2690, 3300-3800	65° 65° 65° 65° 90°	13.8-14.8 13.9-16.4 16.8 17.6 15.5	2-12	2100	580	106.5	72	4.3-10 Female M-LOC	24	Type 99	
3X-RRZZV4S4-65DR27	694-960 1427-2690 1695-2690 3300-3800	65° 65° 65° 90°	15.5-16.5 15.4-18.1 16.6-17.8 15.3-20.8	2-12	2767	580	128.5	72	4.3-10 Female M-LOC	27	Type 108	
S4-90M-R1B-3XKIT	3700-4200	90°	17.0-21.2	0-10	850	507	51	24	4.3-10 Female	3	Type 79	
KVVSS-65A-3XKIT**	617-960 1695-2690 3100-4200	65° 65° 65°	12.9-13.2 16.4-17.3 15.5-16.0	4-18 0-12 0-12	1219	301	107	30	4.3-10 Female	9	Type 116	

\*\*Supports 600 MHz band

\* Please contact [CommScope Technical Support](#) to learn more about this product.

Specifications are subject to change. Please visit our website for the latest specifications.

## Extension Kit for 3-Sectors

Model Number	Description	Weight (kg)	
TRX58-35-O	35cm shroud extension for use with tri-sector antennas (58cm diameter) to add additional height to the antenna installation.	43.77	
TRX58-80-O	80cm shroud extension for use with tri-sector antennas (58cm diameter) to enable TMAs / filters to be housed below the antenna or to add additional height to the antenna installation	69.57	
TRX58-80-C	80cm shroud extension for use with tri-sector antennas (58cm diameter) to enable TMAs / filters to be housed below the antenna or to add additional height to the antenna installation.	72.93	
TS-MNT-TOP-370	Pipe Mounting KIT with shroud, capability of mounting 37cm diameter round antennas (with trident mounting bracket, max length 2.1m, max weight 56kg) on the top of a pole with diameter from Ø150 to Ø273mm	56	

Specifications are subject to change. Please visit our website for the latest specifications.

# Small Cell Antennas

## Single Band Antennas

High Band 1695–2690 MHz

### 1 Port (1H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	
DB992HG28N-B	1710–2490	30°	16	0	311	311	1.3	N Female	0	

### 4 Ports (2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	
VV-65T-F-V3	1695-2690	65°	10.1-12.1	4	200	200	0.82	NEX10 Female	0	
SS-65T-F	3300-4200	65°	12.6-12.9	6	200	200	0.7	NEX10 Female	0	
VS-65T-FVB	1695-2690 3300-3800	65° 65°	10.1-11.6 12.6-12.8	4 6	200	200	-	4.3-10 Female	0	

### 6 Ports (3H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	
3X-V65S-C3-3XR	1695–2690	65°	13.3–14.3	0–20	596	Ø 200	7.4	4.3-10 Female	3	

\* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

# Small Cell Antennas

## Multi Band Antennas

High Band 1695-2690/3300-4200/5150-5925 MHz

### 10 Ports (5H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	
VVSSP-360S-D	1695-2690 3300-4200 5150-5925	360°	8.1-8.2 8.6 3.7	0	618	305	10.6	4.3-10 Female	0	
VVSSP-360S-F	1695-2690 3400-3800 5150-5925	360°	6.6-8.2 4.9 5.1	7 0 0	600	200	7	4.3-10 Female	0	
VVSSP-360S-M	1695-2690 3400-3800 5150-5925	10°	7.8-8.5 7.2 4.1	0-10 0 0	610	305	13	4.3-10 Female	Manual Electric Tilt	
VVSSP-45S-R1BV2	1695-2690 3300-4200 5150-5925	45°	14.3-15.3 10.3-10.9 3.9	2-10 7 4	610	407	8.7	4.3-10 Female	1	
VVSSP-65S-R1B	1695-2690 3400-3800 5150-5925	65°	11.6-12.8 9.8 4.2	2-10 7 4	600	Ø 200	5.9	4.3-10 Female	1	
VVSS-180HS-F2	1695-2690 3100-4200 5150-5925	180° 180° 180°	11-11.9 12.7-13.2 3.5	2	610	370	15	4.3-10 Female	0	

Specifications are subject to change. Please visit our website for the latest specifications.

# Small Cell Antennas

## Multi Band Antennas

High Band 1695-2690/3300-4200/5150-5925 MHz

### 16 Ports (8H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	
V4SSPP-360S-F	1695-2690 3300-3800 5150-5925	360°	7.2-8.4 5.4 4.0	7 2 0	620	Ø 305	13.3	4.3-10 Female	0	
V4S4-360S-BF2	1695-2690 3300-3800	360° 360°	15.9-20.6 9.2-14.9	2	610	370	13.6	4.3-10 Female	0	

### 24 Ports (2L12H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	
KKV4S4SS-360A-BF*	617-960 1695-2690 3400-4000 3100-4200	360°	14.4-15.7 6.2-6.7 11.1-12.5 9.6-16 9.5-9.9	10 0	1574	370	35.5	4.3-10 Female	0	

Specifications are subject to change. Please visit our website for the latest specifications.

# Small Cell Antennas

## Multi Band Antennas

694-960/1695-2690/3300-4000 MHz

### 12 Ports (2L2H & 4x4 MIMO in 3.5GHz)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	RF Connector Type	RET Qty	
RRVSS-360M-M	694-960 1695-2690 3300-4000	360°	6.6-6.8 7.4-9.2 9.8-10	6 3-12	1158	305	12.5	4.3-10 Female	0 (Manual Tilt)	

Specifications are subject to change. Please visit our website for the latest specifications.

# Antenna Enclosure Kits

CommScope antenna enclosure kits are an innovative solution for installing select 3.5 GHz passive or active massive MIMO antennas on top of suitable passive antennas for an integrated all-in-one appearance.

- Visual appearance as one unit can ease zoning approvals for 5G upgrades
- Flexible modularity enables swapping out antennas on site for capacity enhancements



Model Number	Description	Length (mm)	Width (mm)	Weight (kg)
<a href="#">AEKT-E1</a>	Compatible with certain specific Ericsson mMIMO Active Antenna System Products (AAS)	1100	498	19.65
<a href="#">AEKT-N1</a>	Compatible with a variety of Nokia n78 mMIMO Active Antennas (MAA)	1100	498	26.49
<a href="#">AEKT</a>	Installation Kit for CommScope 3.5GHz Antenna (Types S4-90M-R1-V2, S4-90M-R1-V3 or S4-90M-R1-V4)	1100	498	19.17
<a href="#">AEKT-430</a>	Compatible with CommScope 3.5GHz Antenna (S4-90M-R1-V2) Enclosure kit compatible specifically with antennas featuring CommScope's 430 x 197 mm (WxD) radome housing	1100	498	9.29
<a href="#">AEKT-430-N1</a>	Compatible with a variety of Nokia n78 mMIMO Active Antennas (MAA) Enclosure kit compatible specifically with antennas featuring CommScope's 430 x 197 mm (WxD) radome housing	1100	498	9.29
<a href="#">AEKT-430-E1</a>	Compatible with certain specific Ericsson Active Antenna System Products (AAS) Enclosure kit compatible specifically with antennas featuring CommScope's 430 x 197 mm (WxD) radome housing	1100	498	9.29

Specifications are subject to change. Please visit our website for the latest specifications.

# Remote Electrical Downtilt (RET) Equipment

## Actuators and Site Sharing Hubs

External devices for RET connectivity from base station antennas



## Controllers

Portable RET controllers with option for wireless interface to smartphone or tablet



## Smart Bias Tees

Top and bottom smart bias tees for piggybacking RET signals onto RF cables



## Control Cables

RET control cables in lengths up to 100 meters and a variety of connector terminations



## Splitters

2-way RET control cable splitter



## Grounding Kits

Grounding kits for RET control cable junctions and equipment



# Antenna Positioning System

CommScope's antenna positioning system (APS) is designed to send an alert when antenna alignment problems arise. You can now address issues quickly, often before customers even notice.

- Universally retrofits onto most existing antennas
- Flexible for re-use with antenna replacements
- AISG powered—no batteries or additional control equipment required

## APS-XT

Antenna orientation and location sensing system



## APS-XT-GPS

Antenna orientation and location sensing system with GPS signaling capability



	APS-XT	APS-XT-GPS
Azimuth	✓	✓
Mechanical Tilt	✓	✓
Mechanical Roll	✓	✓
Alarm Threshold	✓	✓
Longitude and Latitude	✓	✓
Altitude	✓	✓
TDD Synchronization Signal		✓

# Mounting Hardware

CommScope base station antennas ship with [standard mounting kits](#). Our portfolio includes additional special use mounting kits to assist in unique installations. Visit our [website](#) for more information on CommScope [mounting hardware](#) options.

## Downtilt Mounting

For sector antennas with options for standard, wide, or long profiles



BSAMNT-1	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.
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.
BSAMNT-4	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.
BSAMNT-6	Wide Profile Antenna Downtilt Mounting Kit for 4.53 - 5.51 in (115 - 140 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.
BSAMNT-LW	Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 2.8 in (60 - 70 mm) OD round members. Kit contains one tilt top bracket set and one bottom bracket set.
BSAMNT-AEKT	Wide Profile Antenna Fixed Tilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members.
BSAMNT-OFFSET	Forward Offset Pipe Mounting Kit for 4.5 in (114.3 mm) OD round members
BSAMNT-M4	Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor bracket set.
BSAMNT-3F	Mounting bracket for cylindrical pipe installations (60-115mm pipe diameter) for fix mechanical tilt applications.
BSAMNT-2F	Mounting bracket for cylindrical pipe installations (60-115mm pipe diameter) for fix mechanical tilt applications.
BSAMNT-4-F3	Wide Profile Antenna Fixed Tilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members.
BSAMNT-SBS-1-2	Side-By-Side Mounting Kit to mount two antennas on a pipe with 2.375 - 4.5 inch (60 - 115 mm) diameter
BSAMNT-SBS-2-2	Side-By-Side Mounting Kit to mount two antennas on a pipe with 2.375 - 4.5 inch (60 - 115 mm) diameter
BSAMNT-SBS-2-3	Side-By-Side Mounting Kit to mount two antennas on a pipe with 2.375 - 4.5 inch (60 - 115 mm) diameter
BSAMNT-F	Wide Profile Antenna Fixed Tilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members.
BSAMNT-M	Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor bracket set.
BSAMNT-S	Mounting kit for CommScope strand mount antennas
BSA-DT-34	BSA-DT-34 is a kit to be used with BSAMNT-F/-2F/-3F to give down tilt provision. Kit contains one scissor bracket set and applicable hardware's.

## Pipe Mounting

For sector and omni antennas



PM-SC4-B

Universal Open Face Pipe Mount Kit for 4-1/2 in OD pipe

## Side-by-Side Mounting

For mounting 2 or 3 antennas side-by-side



BSAMNT-SBS-2-2

Side-By-Side Mounting Kit to mount two antennas on a pipe with 2.375 - 4.5 inch (60 - 115 mm) diameter

BSAMNT-SBS-2-3

Side-By-Side Mounting Kit to mount two antennas on a pipe with 2.375 - 4.5 inch (60 - 115 mm) diameter

# Mounting Hardware

## Cluster Mounting

For mounting 3 antennas on a pole



TS-MNT-2	Tri-sector Mounting Kit. Used for mounting three antennas to a single pipe or stand. Kit contains fixed tilt mounting brackets that work with 3.5-6.5 in (89-165 mm) outer diameter round members.
TS-MNT-3	Lightweight Tri-sector Mounting Kit. Used for mounting three antennas to a single pipe or stand. Kit contains fixed tilt mounting brackets that work with 3.5-6.625 inch (89-168 mm) outer diameter round members
800PIPEKIT-X	Cluster Mounting Kit. Use for mounting multiple 498mm wide panel antennas to a single pole or stand. One kit mounts up to three antennas. Removeable spacers allow this kit to fit on poles measuring 89mm (3.5"), 115mm (4.5") or 140mm (5.5") OD
800PIPEKIT-XL	Cluster Mounting Kit. Use for mounting multiple 498mm wide panel antennas to a single pole or stand. One kit mounts up to three antennas. Removeable spacers allow this kit to fit on poles measuring 89mm (3.5"), 115mm (4.5") or 140mm (5.5") OD
900PIPEKIT-XL	3 sectors bracket : For 430mm wide and for A, B and D lenght

## 3x-sectors Mounting



TS-MNT-TOP-370	Pipe Mounting KIT with shroud, capability of mounting 37cm diameter round antennas (with trident mounting bracket, max length 2.1m, max weight 56kg) on the top of a pole with diameter
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## Offset and Side Mounting

For offsetting the antenna from the pole



BSAMNT-OFFSET	Forward Offset Pipe Mounting Kit for 4.5 in (114.3 mm) OD round members
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## Small Cell Mounting

For mounting small cell antennas



MC-MNT-TS1	Small Cell mounting kit. Capability of mounting round antenna types on top of a pole, on the side of a pole and on the side of a building.
MC-MNT-SIDE-J3	Mounting systems for cylindrical pipe installations (86-195mm pipe diameter).
MC-MNFTOP-305M	Heavyweight Small Cell mounting kit with shroud. Capability of mounting 1.2m (4ft) long canister antennas with 305mm (12") diameter on the top of a pole.
MC-MNT-TOP-370	Heavyweight Small Cell mounting kit with shroud. Capability of mounting round antenna types on the top of a pole. For installations of 370mm (14.6") canister small cell antennas on top of poles with diameter from 165 to 216mm (6.5" to 8.5")
MC-MNT-SIDE-370	Pipe Mounting KIT with shroud, capability of mounting 37cm diameter round antennas (with trident mounting bracket, max length 2.1m, max weight 56kg) on the top of a pole with diameter



MC-MNT-TOP-2	Small Cell mounting kit with shroud. Capability of mounting round antenna types on the top of a pole. For installations of 12 inch canister small cell antennas on top of poles with diameter from 160 to 216mm (6.3" to 8.5")
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CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement.

We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at [commscope.com](https://commscope.com).

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[commscope.com](https://commscope.com)

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CO-114451.7-EN.GB (07/24)