

Getting Started Guide

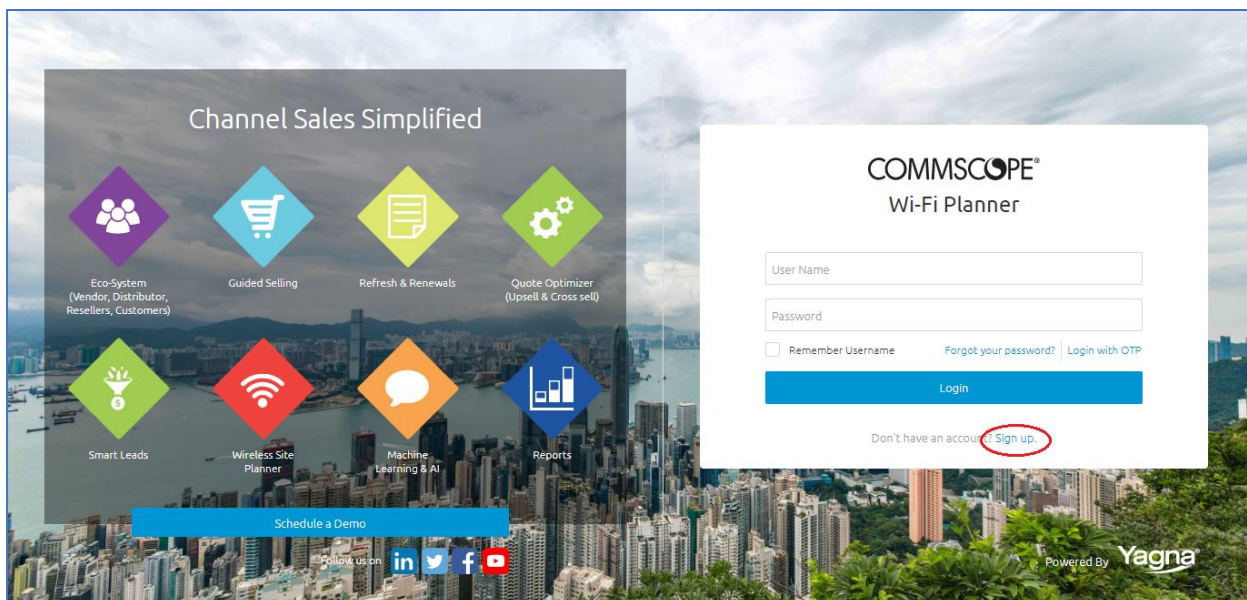
Predictive Wi-Fi planning now has become easier with Ruckus Wi Fi Planner. Just follow the simple steps below in Yagna platform to quickly perform a predictive survey for your designs using Ruckus Access Points.

This step-by-step guide will get you started on using Ruckus Wi-Fi planner and help you get a predictive report for your designs.

Login to the Ruckus Predictive Wi Fi Planner with your credentials after signing up at <https://ruckus.yagnaiq.com>

How do I sign-up to Ruckus Wi Fi Planner?

In order to create an account with Ruckus Wi Fi Planner, on the login page, click on **Sign Up** option.



Getting Started Guide

In the next screen, you can provide your company email address (no gmail.com, yahoo.com, outlook.com domains) and fill the CAPTCHA to proceed further.

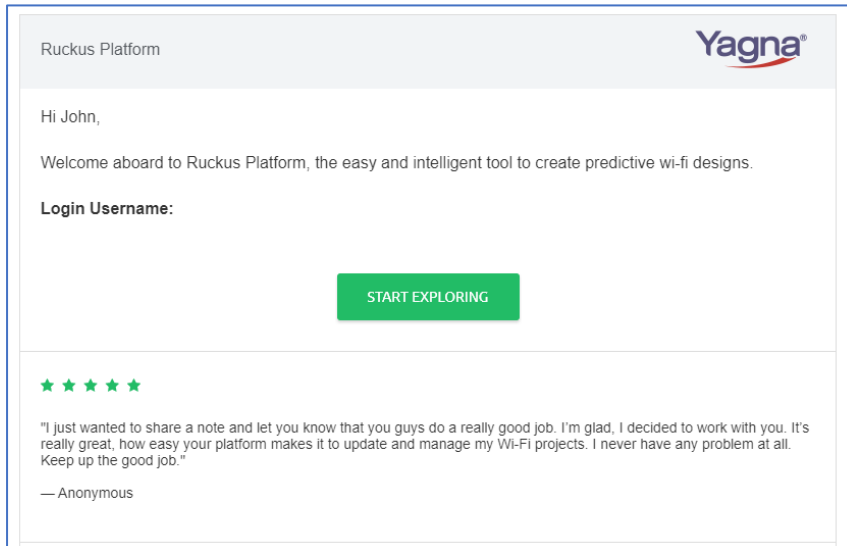
The screenshot shows the 'COMMScope® Wi-Fi Planner' registration interface. At the top, it says 'Step 1: Please fill following details to proceed to registration form.' Below this, there is an 'Email *' field with the placeholder 'someone@example.com'. Underneath the email field is a CAPTCHA box displaying the text '2ga76' with a refresh icon to its right. Below the CAPTCHA is a 'Type the text *' field with the placeholder 'Enter the above text here'. At the bottom left is a 'Back to Login' button, and at the bottom right is a 'Next >' button.

In the next step, you will be prompted to fill out your details in the form to proceed. Click on **Send Request** after filling out the form.

The screenshot shows the 'COMMScope® Wi-Fi Planner' registration interface for Step 2. It says 'Step 2: To register, please fill out the details. For further queries contact [Support](#).' Below this, there are several input fields: 'First Name *' with the value 'John', 'Last Name *' with the value 'McKay', 'Job Title *' with the placeholder 'e.g. Presales Engineer', 'Work Phone *' with the placeholder 'e.g. +1 404.600.4848', and 'Address *' with the placeholder 'Enter Location'. At the bottom left is a 'Back' button, and at the bottom right is a 'Send Request' button.

Getting Started Guide

Now you will receive a confirmation email with the activation link to your registered email. Use this link to set a password for your Ruckus Wi Fi planner account.



In your email, click on **START EXPLORING** to set your password . Once you set your password , you will be redirected to <https://ruckus.yagnaiq.com>

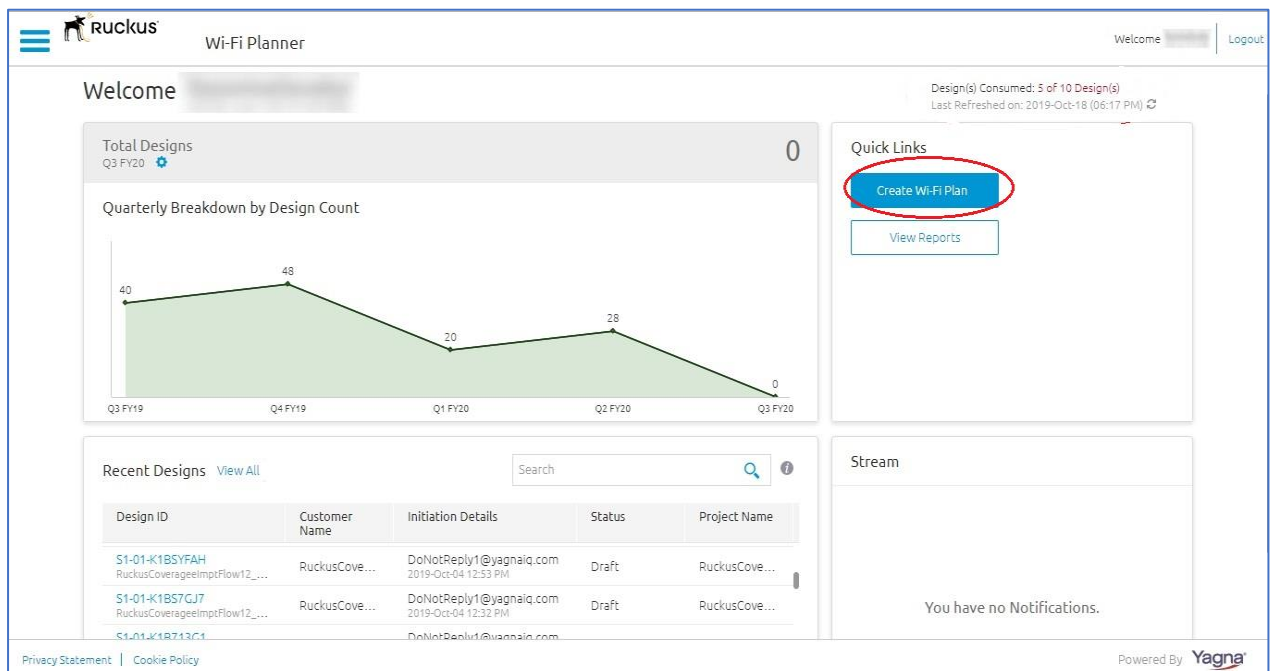
A screenshot of the COMMScope Wi-Fi Planner password setup screen. The header shows the COMMScope logo and "Wi-Fi Planner". Below the header, there is a "User Name" label. The main form has two input fields: "New Password *" and "Confirm Password *". To the right of these fields, there is a list of password requirements: "Password requirements include: • Should be 8-16 characters long. • Must contain a lower case letter and an upper case letter. (eg: a-z , A-Z) • Must contain a digit. (eg: 0-9)". At the bottom center, there is a blue button labeled "Save".

Use your Email ID and the newly set password to login and create your designs.

Getting Started Guide

What information can I see on the Dashboard?

Once you login and land on the Dashboard, you can see the option to Create a New Wi Fi plan. On the Dashboard, you can see your Design count (Quarterly Breakdown) as well as list of your recent projects.

**How do I create a new design on Ruckus Wi Fi Planner?**

You can start working on your design by clicking on Create Wi Fi Plan and entering your customer details in the next screen.

Customer Information

Customer Name * ABC Consulting

Contact Name

Email Address

Vertical Select Vertical

Address Line 1 Enter Location

Address Line 2

City * Plano

State * Texas

Postal Code * 75024

Phone Number

Country * USA

Getting Started Guide

How can I enter the floor dimensions and other details of my design?

In the floor details section, you can enter the floor name, dimensions of your design and floor height. You can attach Floor plan if available. If you attach a floor plan, the floor area details will be taken in the next step.

The screenshot shows the 'Floor Details' section of the Ruckus Wi-Fi Planner. The form includes the following fields and options:

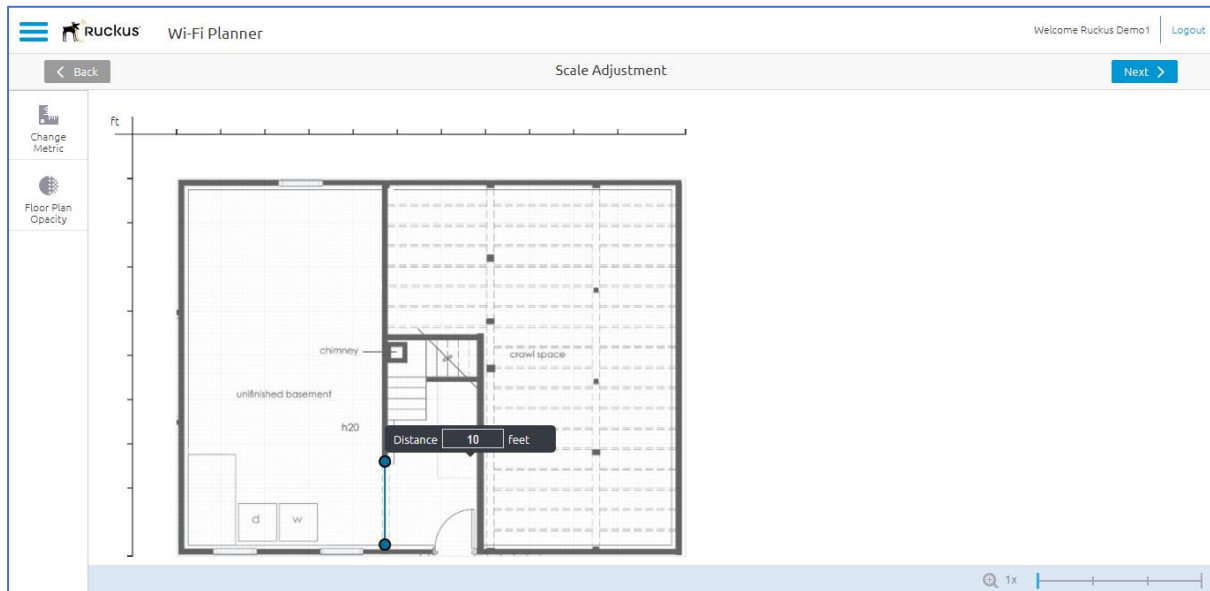
- Floor Name:** A text input field containing 'Floor 1'.
- Metric:** Radio buttons for 'Meter' and 'Feet'. 'Feet' is selected.
- Floor Area *:** Two text input fields, both containing '500', followed by 'sq. feet'.
- Floor Height *:** A text input field containing '10', followed by 'feet'. A note below reads: '(APs will be placed at the specified floor height)'.
- Floor Plan (Max: 15 MB):** A button labeled 'Drag & Drop or Click to Browse'.
- Note:** A bullet point states: 'Attach floor plan in JPEG, PNG, GIF, BMP or PDF format.'

Note that this is not mandatory and you can skip uploading a floor plan if you do not have it.

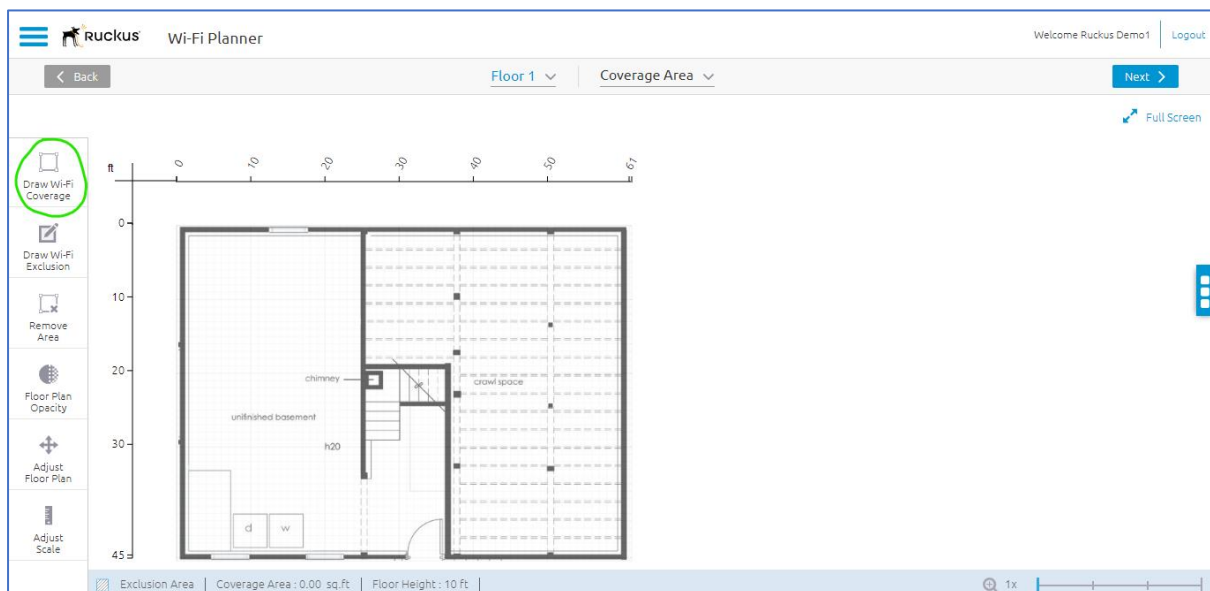
This screenshot shows the same 'Floor Details' form, but with a floor plan file attached. The 'Floor Plan (Max: 15 MB)' field now displays a blue button with the text 'Monroe Township Floor PL...' and a close icon (X). All other fields and the 'Note' remain the same as in the previous screenshot.

Getting Started Guide

In the next screen, you can define the distance between any two points and the system will auto-scale your floor plan to the appropriate area.



As shown in the example her, the system has auto-scaled to an area of 61 x 45 feet. Next step is to Draw the required coverage area by selecting the first option on the left.

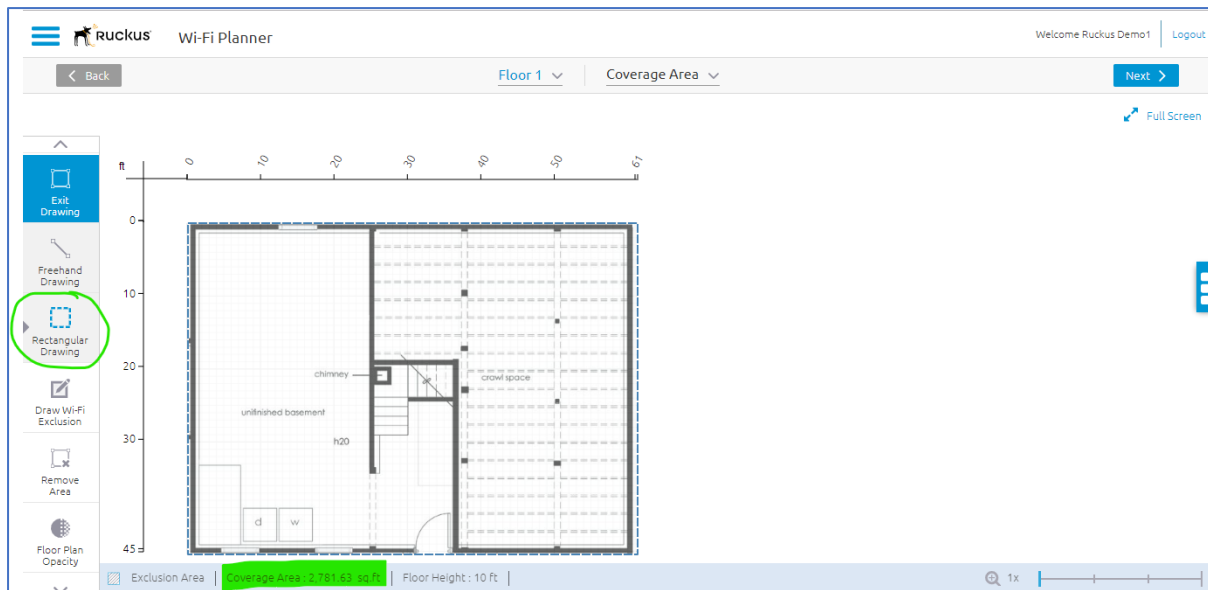


Getting Started Guide

How can I define my coverage / exclusion areas?

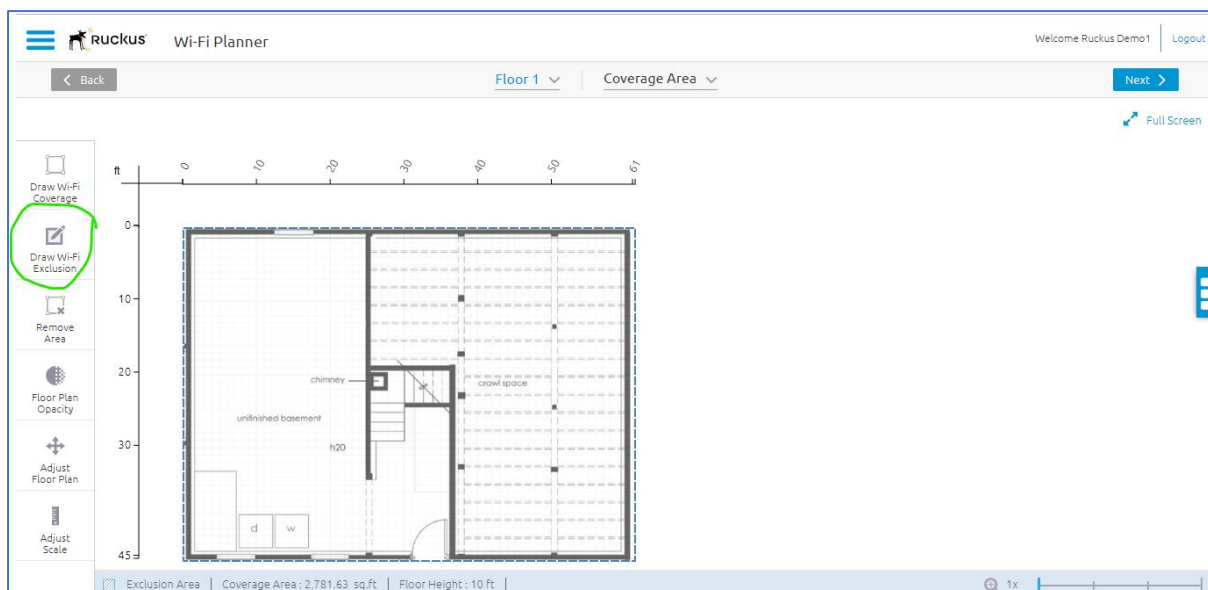
You can draw the required coverage area either by a **Freehand Drawing** or **Rectangular Drawing**.

If you select the rectangular drawing, you can drag it over the entire area across your floor plan.



Once the required area is drawn, you can see the **Coverage Area** considered for the design at the bottom of your screen.

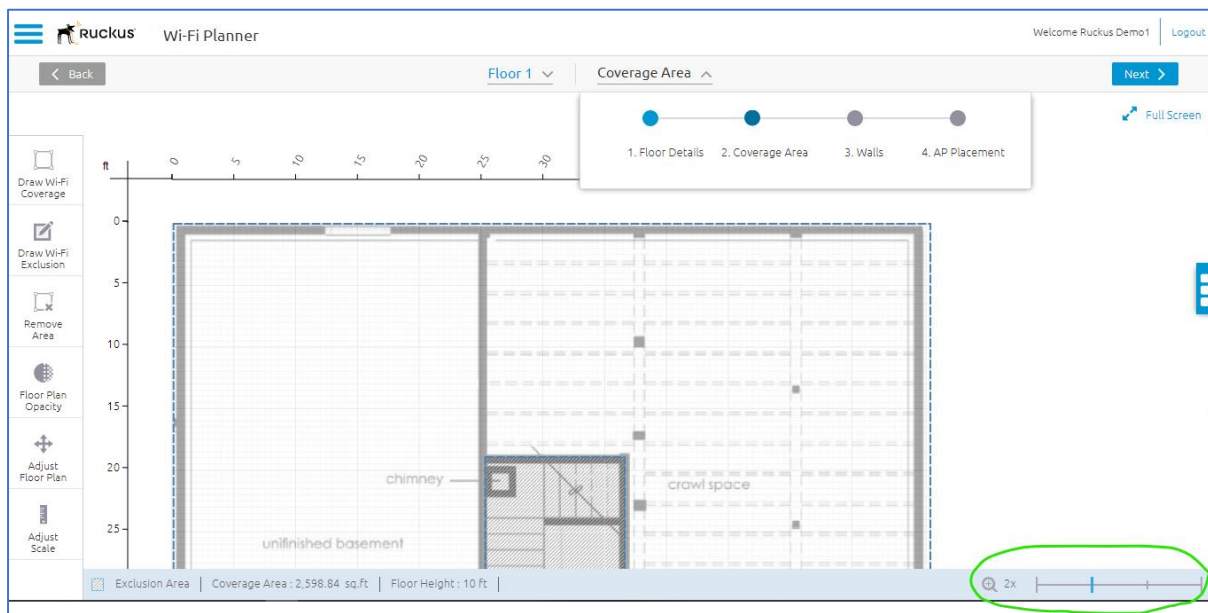
Similarly, you can also draw your exclusion area i.e. any area that you do not want to cover, using the **Draw Wi-Fi Exclusion** option as shown below.



Getting Started Guide

How can I zoom in or zoom out while working on my design?

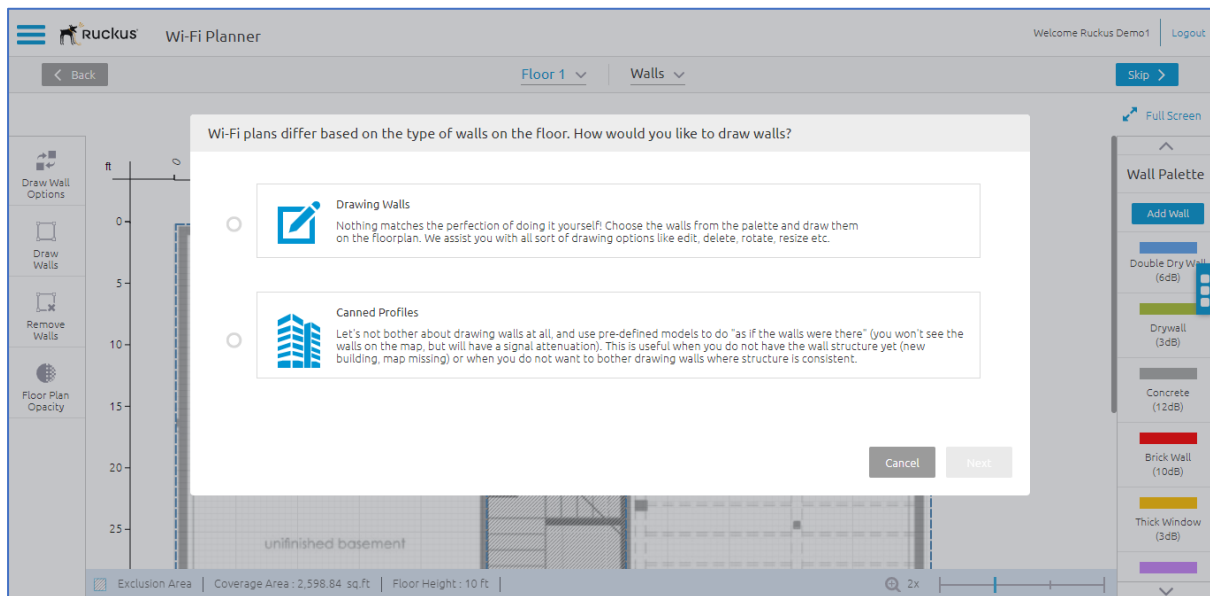
You can use zoom feature on your bottom right of your screen to zoom in or zoom out while working with your designs. 1x, 2x , 4x and 8x zoom options are available across **Coverage Area** , **Walls** and **AP Placement** pages.



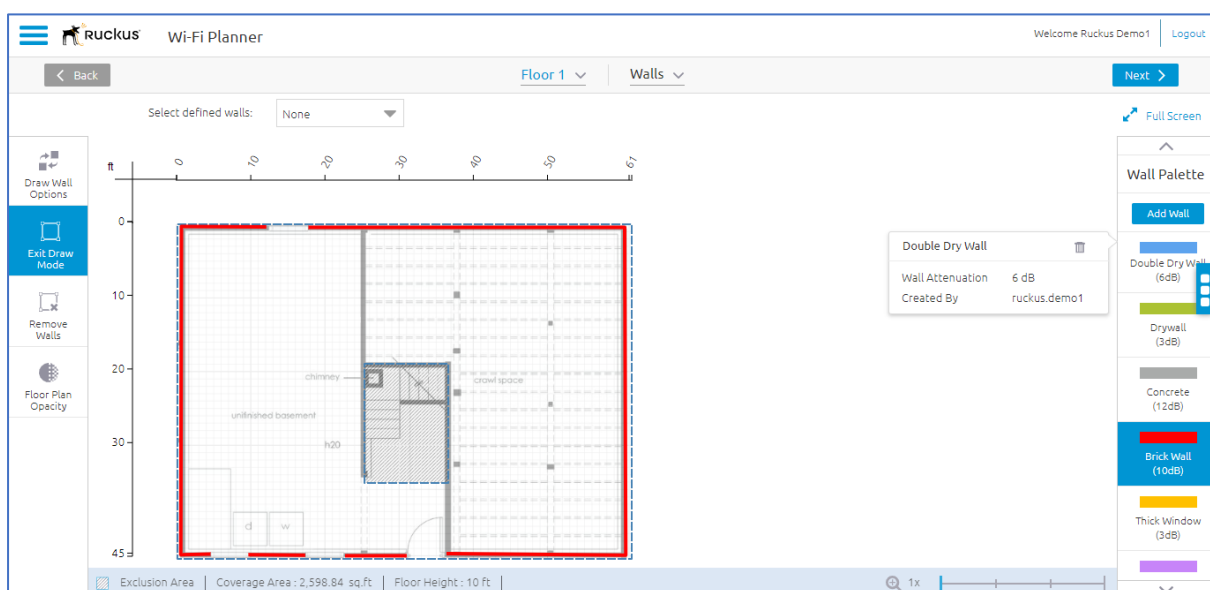
Getting Started Guide

How can I draw walls to factor in the attenuation in my design?

You can define the walls that cause attenuation to your RF signal using either of the two ways in the planner by either drawing walls manually or by selecting the predefined canned profiles.

**How do I draw walls manually?**

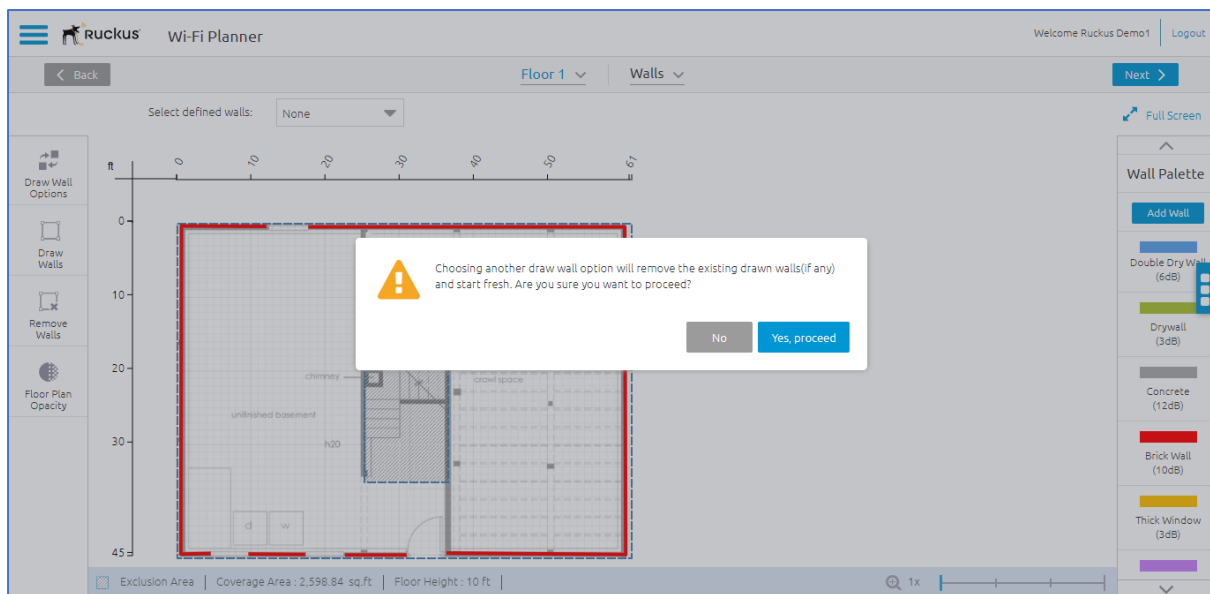
Select drawing walls and choose type of wall to be drawn from wall palette. Each wall type on the Wall Palette offers different attenuation value to your RF signal.



Getting Started Guide

How to exit draw wall mode?

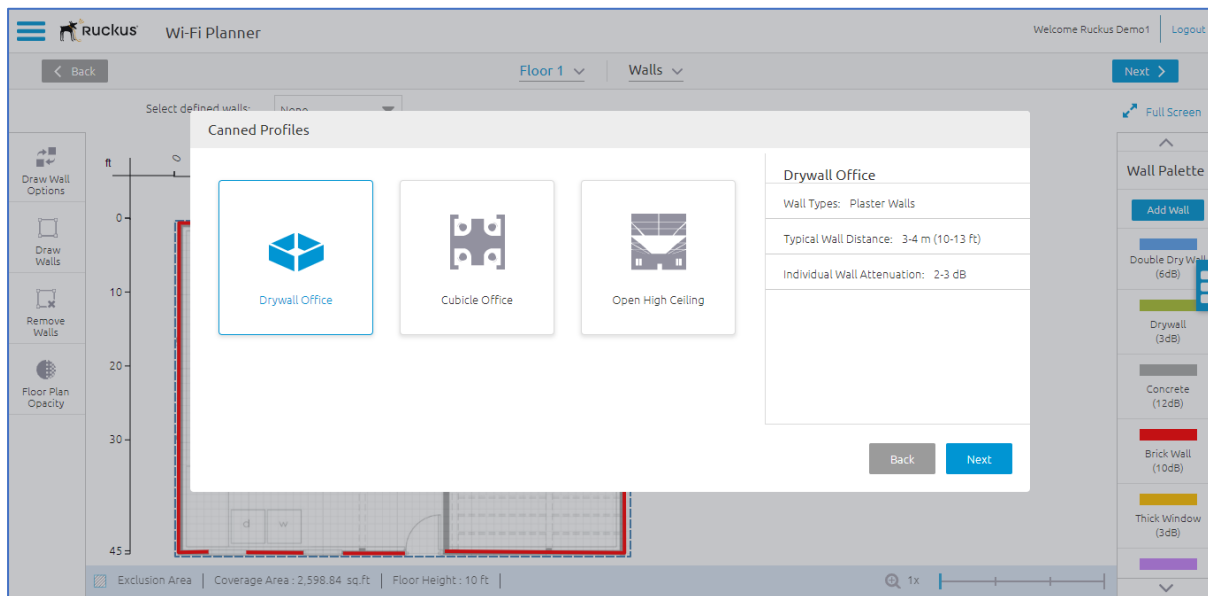
While creating/drawing multiple walls, you can also use **Esc** (keyboard shortcut) or double click to stop drawing that particular wall. You can click on exit draw wall button if you are done with drawing your walls.

How to select CANNED WALL Profile?

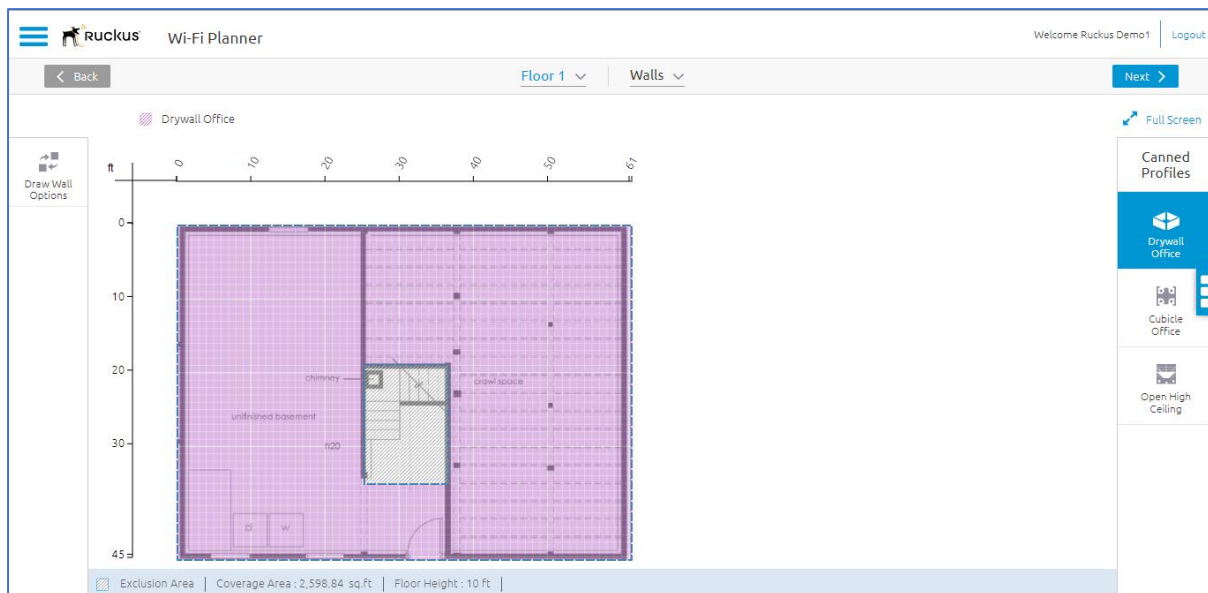
Instead of drawing walls individually, you can also switch the walls drawing to CANNED Profiles. When you switch mode to CANNED Profile, your existing walls that you have drawn will be discarded.

You will be presented with a set of predefined CANNED models where a uniform attenuation is assumed for each of the CANNED Profile.

Getting Started Guide

**What canned profiles are available in Ruckus Wi Fi Planner?**

Choose anyone from pre- defined canned profiles: Different canned profiles will provide you with different attenuation factors and this factor will be applied across your area uniformly.

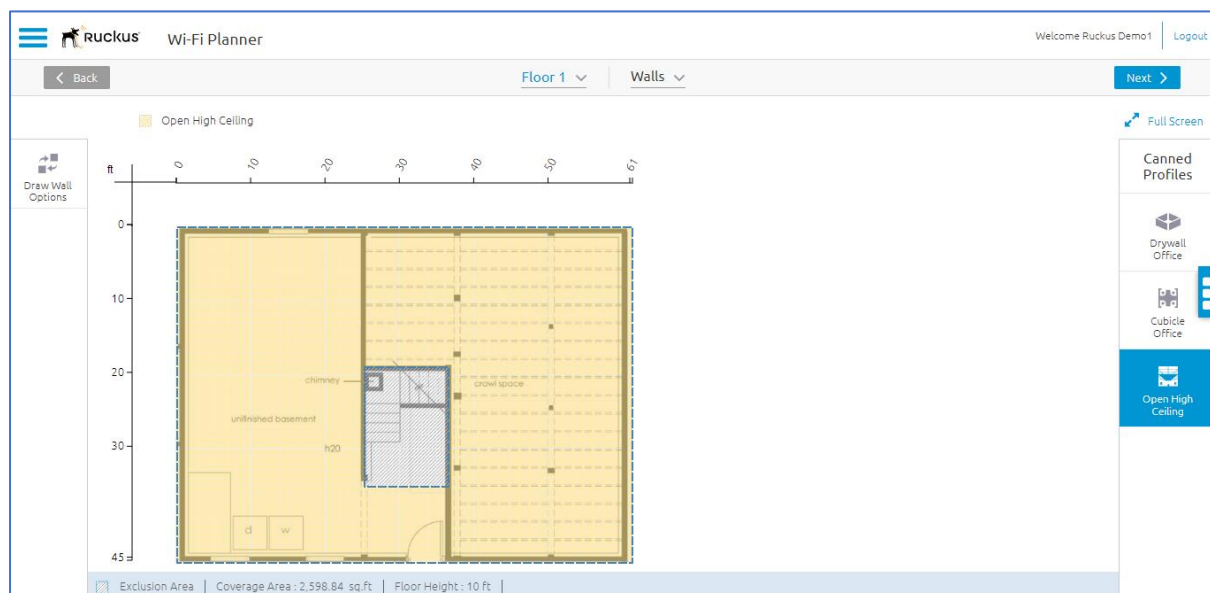
DRYWALL OFFICE :

Getting Started Guide

CUBICLE OFFICE:



OPEN HIGH CEILING :



Once you are done with defining your walls, you can proceed to AP Placement where you can use any of the Ruckus Access Points to place across your area.

Getting Started Guide

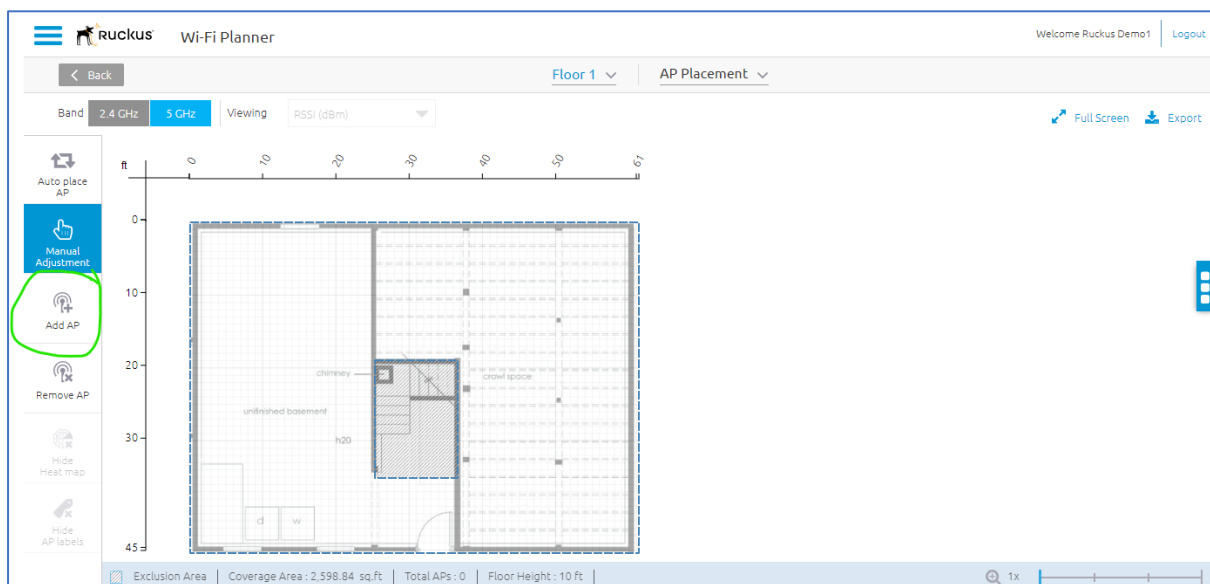
How to use Access Points to place across the floor plan?

You can place your access points to fit your coverage area accordingly. You can use either of the two modes to fill your coverage area with Access Points of your choice.

The two modes available are Manual AP Placement / Auto Place AP. As soon as you click next from Walls, you will land on AP Placement page with Manual AP placement mode as the default.

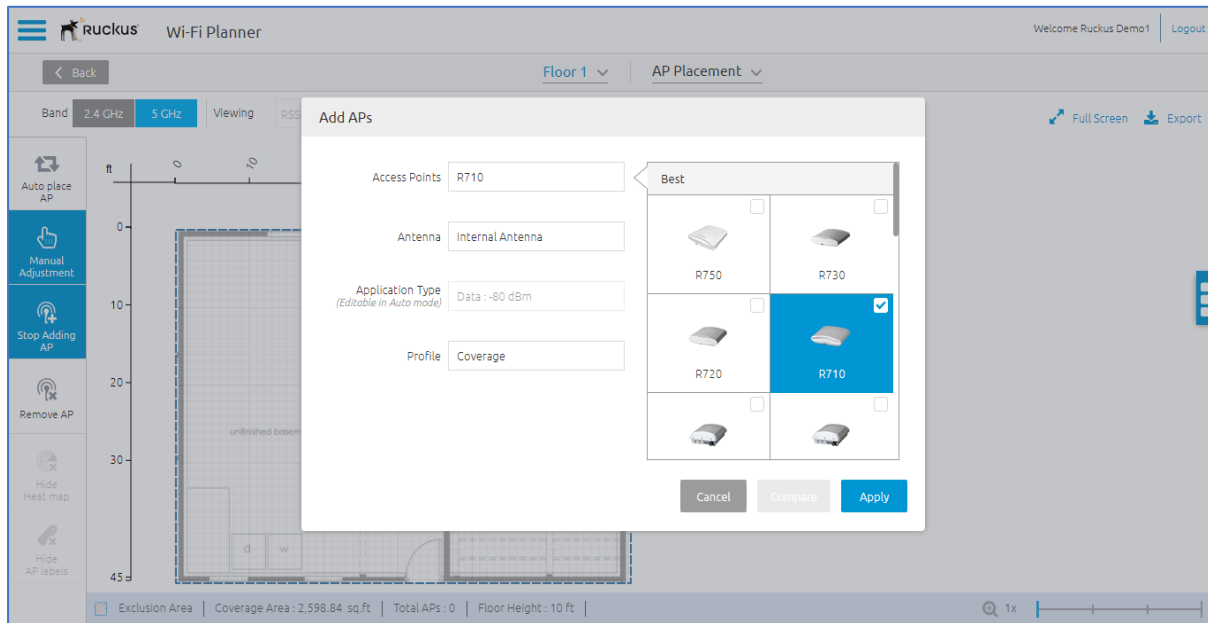
How do I manually place access points?

To start placing Access Points on your coverage area, click **Add AP** on the left panel.



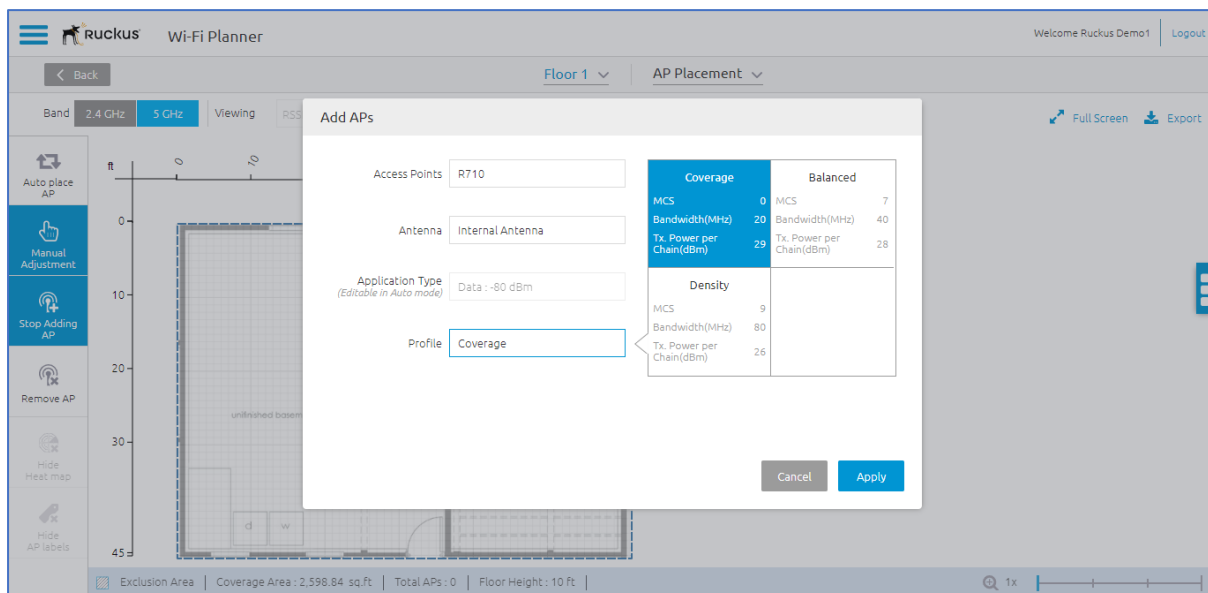
You will see a pop up with a list of Access Points to choose. These Access Points are categorized into **Good**, **Better** and **Best** as per their market segment.

Getting Started Guide



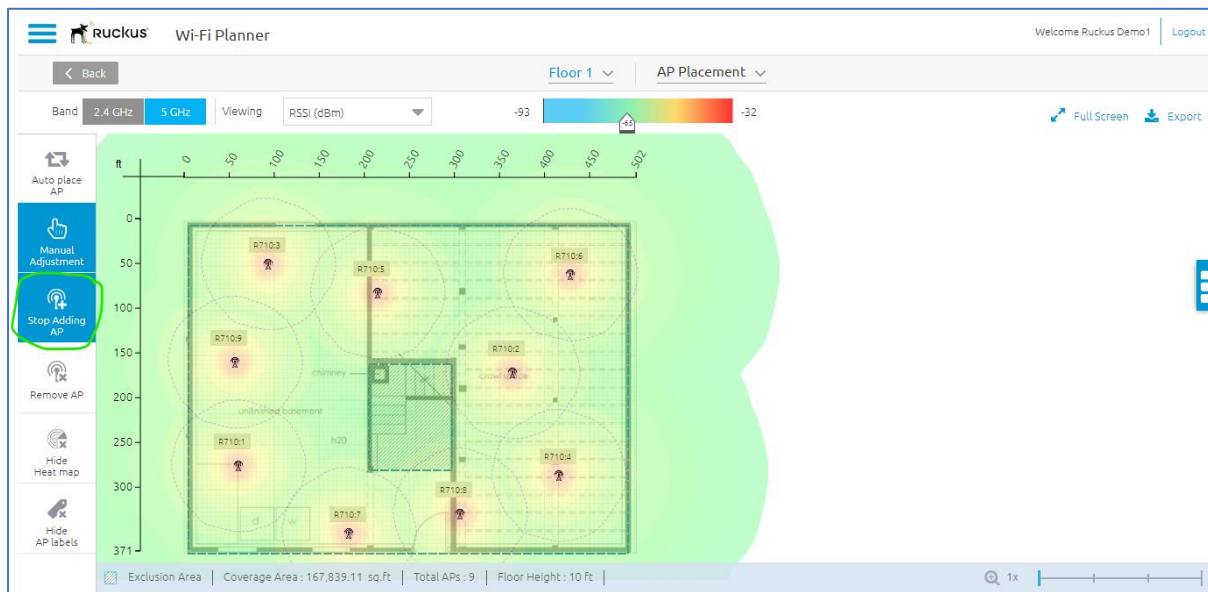
What are the different power profiles that are available in Ruckus Wi Fi Planner?

You can also select the Power Profile for your Access Points. Ruckus Wi Fi Planner gives you an option to select one of the three Power Profiles from Coverage, Balanced and Density. Each one of these profiles have a set of characteristics that will be applied to all the Access Points in your design.



Select the Access Point / Profile and click on apply. You can now proceed to fill your coverage area with the required number of Access Points of your choice.

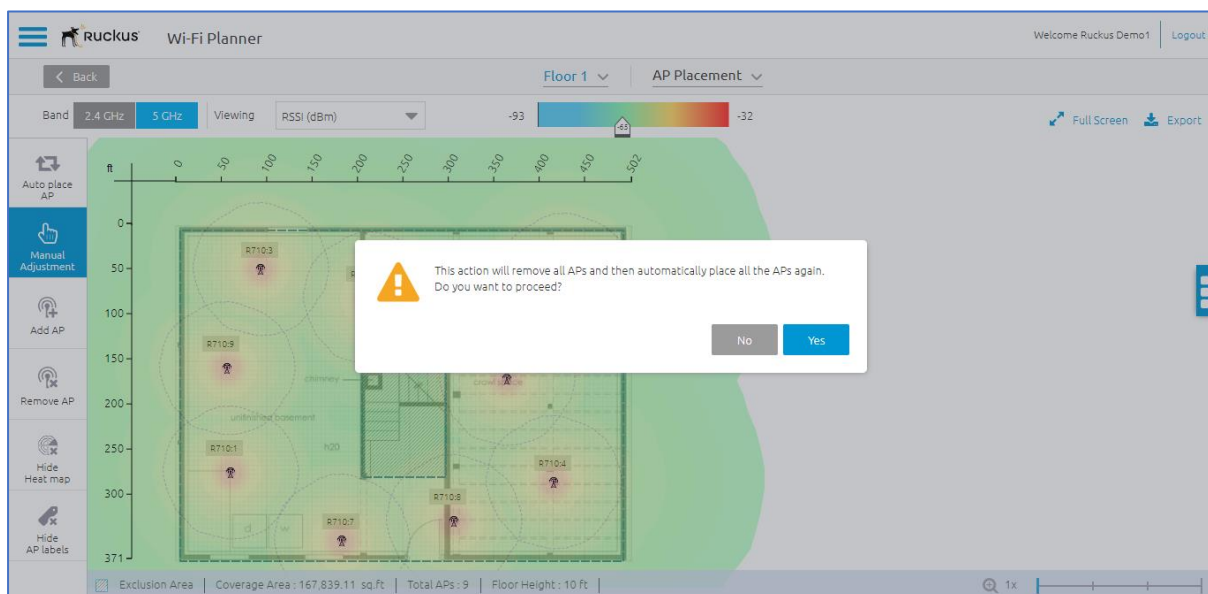
Getting Started Guide



After you are done placing your APs, you can click on **Stop Adding AP** option to exit add mode.

How can I automatically place APs across my floor plan?

To automatically place your area with the Access Points, use the Auto Place APs feature. Note that selecting Auto Place APs from Manual Mode will remove all the existing manually placed APs.



Once you click on Auto Place APs, planner takes you to the **Users & Devices** page where you can define your user / device density. Yagna's auto place algorithm takes this into consideration before placing the required number of Access Points.

Getting Started Guide

The screenshot shows the 'Users and Devices' configuration page in the Ruckus Wi-Fi Planner. The page has a header with the Ruckus logo, 'Wi-Fi Planner', and a 'Welcome Ruckus Demo1' message with a 'Logout' link. Below the header, there are tabs for 'Floor 1' and 'Users and Devices'. The main content area is divided into two sections: 'Users' and 'Devices'. Each section has a slider to adjust the number of users or devices. The 'Users' slider is set to 1343, and the 'Devices' slider is set to 2215. Both sliders have a range from 1 to 3730 for users and 1 to 11190 for devices. A 'Next' button is located at the top right of the configuration area.

Given are the approximate number of users and devices on the floor. You may adjust and click on Next to proceed.

Users

Of Users 1 1343 3730

Devices

Of Devices 1 2215 11190

In the AP Recommendations page, you can see the categorization of all the Ruckus Access Points that are currently supported on the planner.

The screenshot shows the 'AP Recommendations' page in the Ruckus Wi-Fi Planner. The page has a header with the Ruckus logo, 'Wi-Fi Planner', and a 'Welcome Ruckus Demo1' message with a 'Logout' link. Below the header, there are tabs for 'Floor 1' and 'AP Recommendations'. The main content area is divided into three columns: 'Indoor AP', 'Outdoor AP', and 'Specialty AP'. Each column lists recommended access points with their model numbers, quantities, and prices. The 'Indoor AP' column lists R750, R730, R720, and R710. The 'Outdoor AP' column lists T710s and T710. The 'Specialty AP' column lists M510, H510, C110, and E510. A 'Best' label is on the left side of the recommendations. A 'Compare' button is at the top right of the recommendations area. A note at the top states: 'NOTE: The AP counts and prices shown below are approximate. Actual numbers may vary depending on walls and obstructions.'

NOTE: The AP counts and prices shown below are approximate. Actual numbers may vary depending on walls and obstructions.

Data :-80 dBm **Voice :-65 dBm**

Indoor AP **Outdoor AP** **Specialty AP**

Best

R750
Qty: 33
USD 1,395.00

R730
Qty: 33
USD 1,695.00

R720
Qty: 33
USD 1,295.00

R710
Qty: 33

T710s
Qty: 33
USD 2,995.00

T710
Qty: 33
USD 2,995.00

M510
Qty: 33
USD 1,095.00

H510
Qty: 33
USD 395.00

C110
Qty: 33
USD 595.00

E510
Qty: 33

Getting Started Guide

How can I compare the features of different Ruckus access points?

You can select up to 4 Access Points and compare their features:

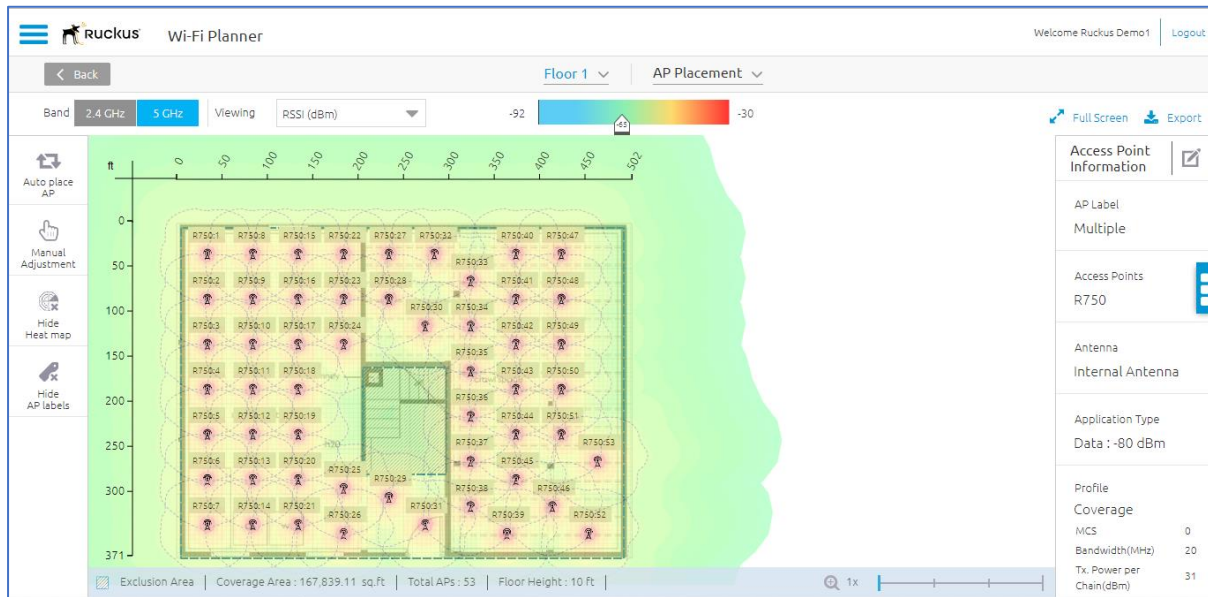
NOTE: The AP counts and prices shown below are approximate. Actual numbers may vary depending on walls and obstructions.

	Data :-80 dBm	Voice :-65 dBm
Indoor AP		
Best		
	R750 Qty: 33 USD 1,395.00	T710s Qty: 33 USD 2,995.00
	R730 Qty: 33 USD 1,695.00	T710 Qty: 33 USD 2,995.00
	R720 Qty: 33 USD 1,295.00	
	R710 Qty: 33	
Specialty AP		
		M510 Qty: 33 USD 1,095.00
		H510 Qty: 33 USD 395.00
		C110 Qty: 33 USD 595.00
		E510 Qty: 33

Comparison				
Product				
No Highlight				
▼ Main Specs				
Capacity	Concurrent Stations: 512	Concurrent Stations: 512	Concurrent Stations: 512	Concurrent Stations: 100
Data Link Protocol	IEEE 802.11a/b/g/n/ac/ax	IEEE 802.11a/b/g/n/ac/ax	IEEE 802.11a/b/g/n/ac Wave 2	IEEE 802.11a/b/g/n/ac Wave 2
Form Factor	Indoor	Indoor	Indoor	Indoor
Frequency Band	2.4 GHz, 5 GHz	2.4 GHz, 5 GHz	2.4 GHz, 5 GHz	2.4 GHz, 5 GHz
Manufacturer Warranty	Limited Lifetime warranty	Limited Lifetime warranty	Limited Lifetime warranty	Limited Lifetime warranty
Power Over Ethernet (PoE) Supported	PoE+	PoH, uPoE, PoE+	PoE	PoE
Radio Chains and Streams	4x4:4 (5GHz) 4x4:4 (2.4GHz)	8x8:8 (5GHz) 4x4:4 (2.4GHz)	2x2:2 (5GHz) 2x2:2 (2.4GHz)	2x2:2 (5GHz) 2x2:2 (2.4GHz)
USB port (enables IoT)	✓	✓	✓	✓

Select one AP to proceed further and place the APs .

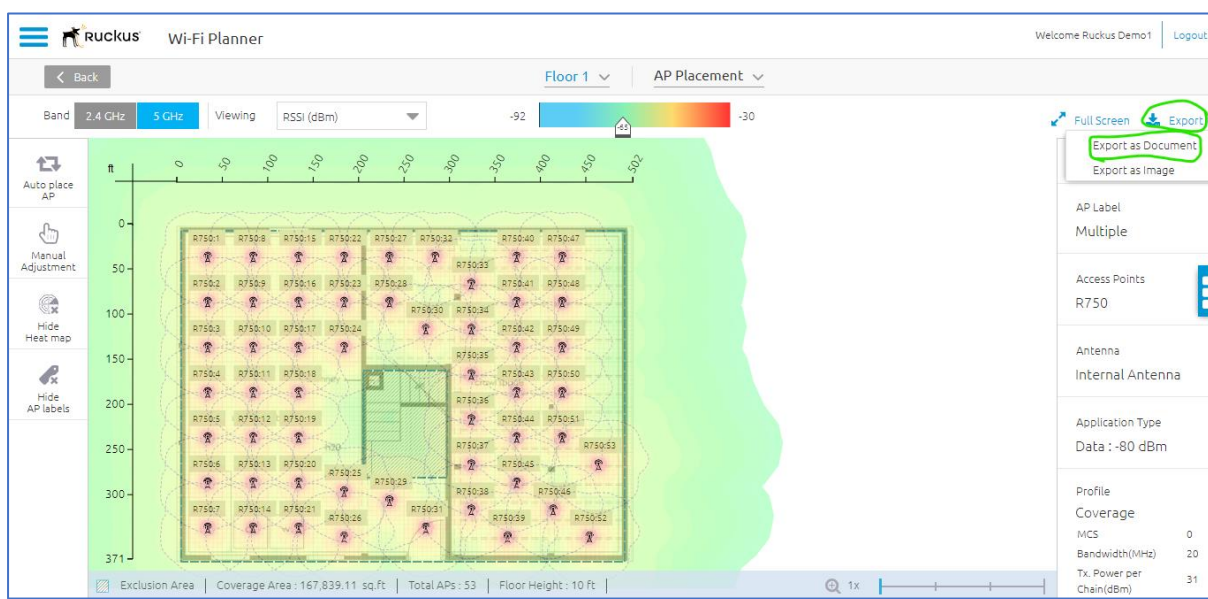
Getting Started Guide



Note that you can Add or Remove the placed Access Points by clicking on Manual Adjustment again.

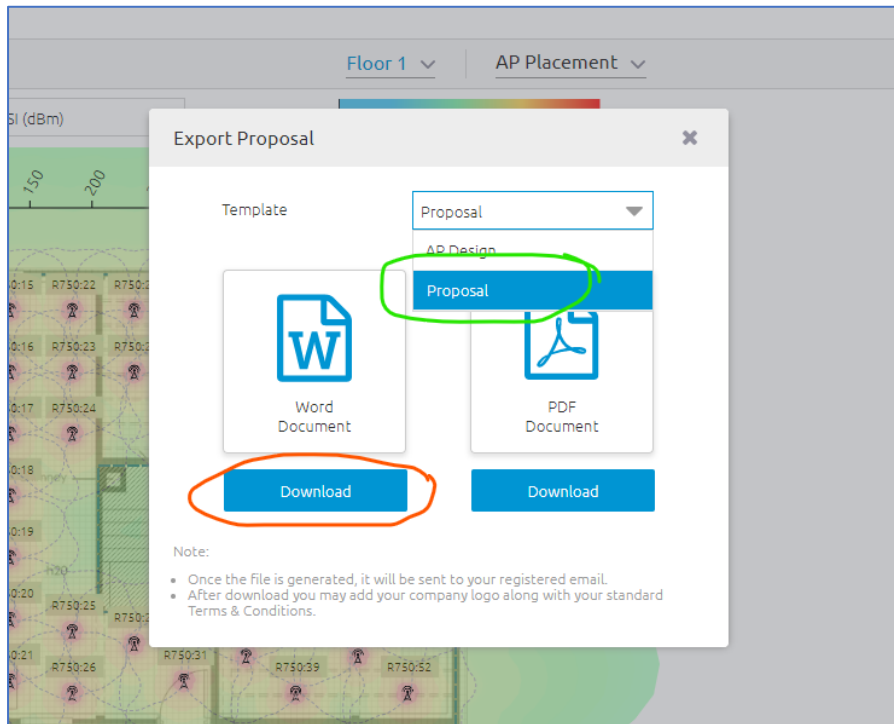
How can I export/download the AP Design or Proposal?

Once you have completed your AP Design, you can now proceed to export your design into predefined templates of Proposal or AP Design by clicking on **Export** and **Export as Document**. Note that you can also select **“Export as Image”** to get the heatmap of your Design.



Getting Started Guide

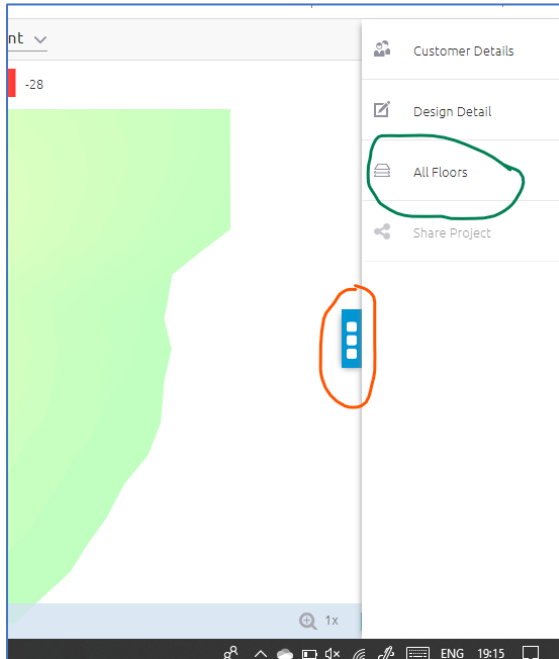
In the next screen, select Proposal and click on **Download** either Word Document or PDF Document.



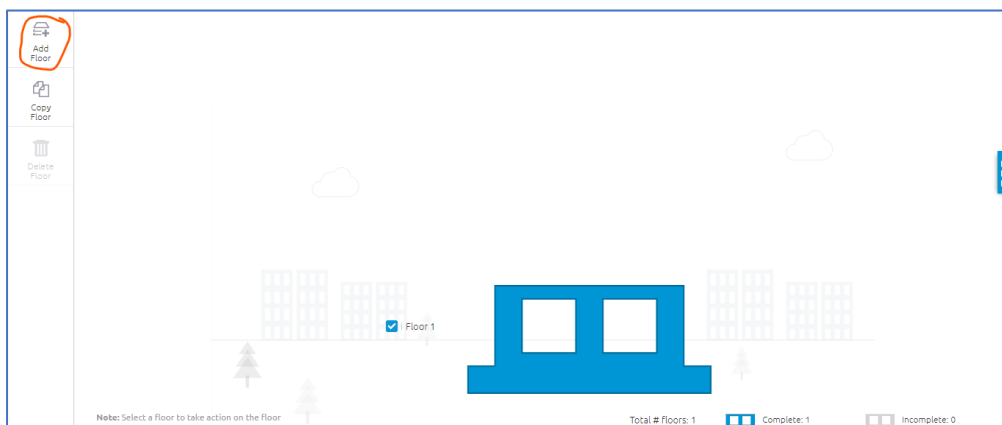
Getting Started Guide

How can I add/copy floors to my design?

On the AP Placement screen, click on the three dots appearing on the right of your screen which opens a context menu. Further select the All Floors option in the menu.



In the next screen select **Add Floor** option to proceed adding more floors. You can also select a floor and make multiple copies of the same floor using **Copy Floor** option.

**How can I reach out to support in case of any queries/suggestions?**

You can reach out to Yagna Support by emailing directly to support@yagnaiq.com.