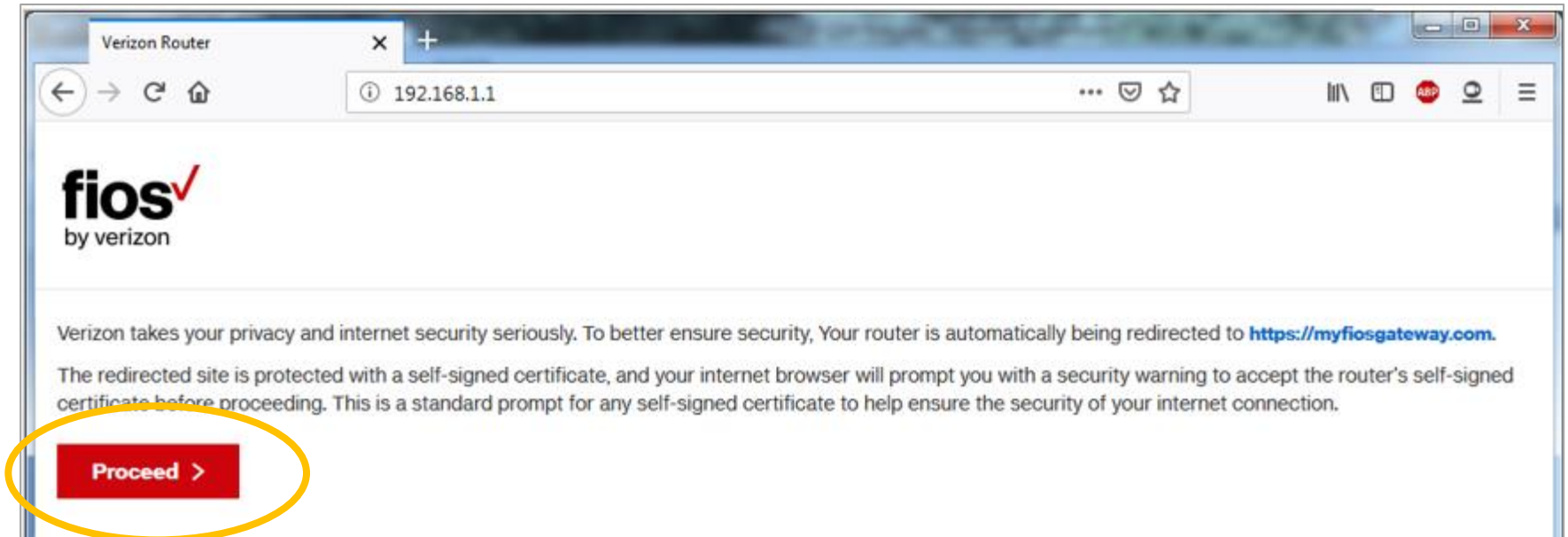


Thank you for participating in this trial of the new SON capabilities for the BHR4. We have created this document which will provide step-by-step instructions for enabling SON on your in-home router. Relevant areas on each page are circled in yellow.

Step 1

Make sure the device you are using is currently connected to your in-home WiFi network. Open a browser window and type in the IP address: 192.168.1.1 or go to: <https://myfiOSgateway.com>

You should see the following message:

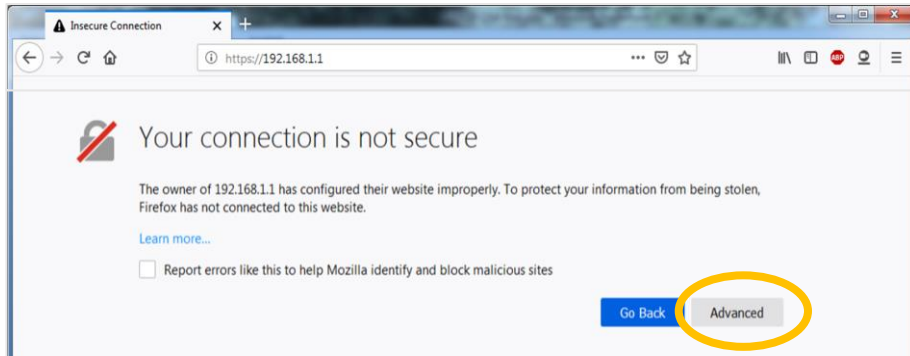


Click on the "Proceed" button.

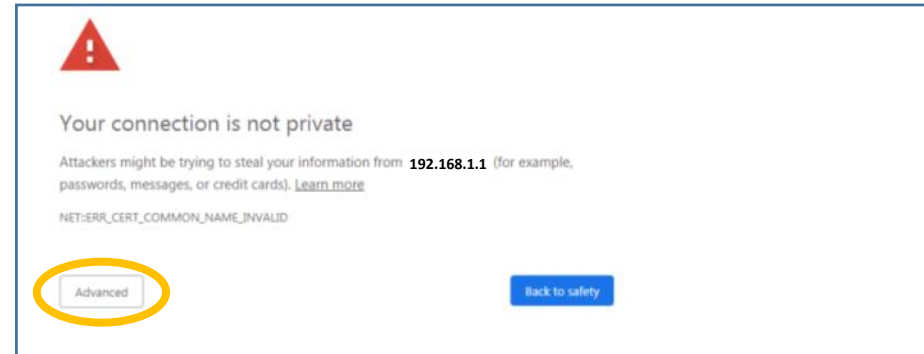
Step 2

You will see the following message. Click on “Advanced”.

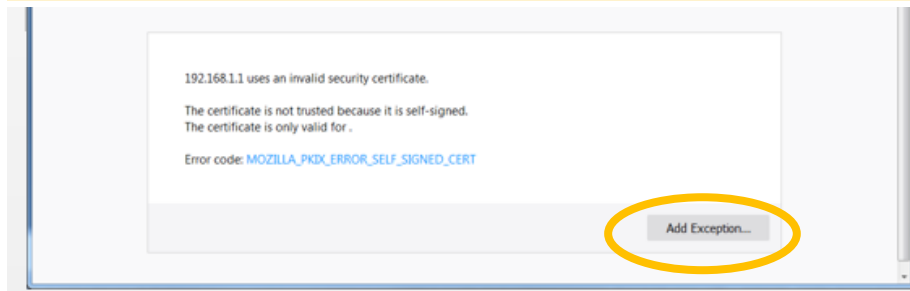
Firefox Warning Page



Chrome Warning Page, similar to Safari & IE

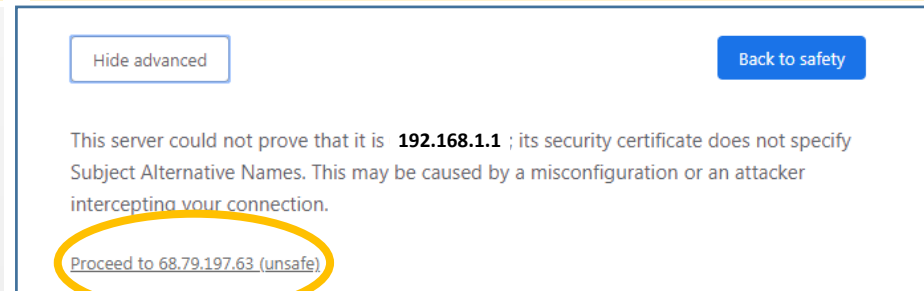


This drop down appears. Click on “Add Exception”.



Proceed to step 3

This drop down appears. Click on “Proceed to...”.



Skip step 3

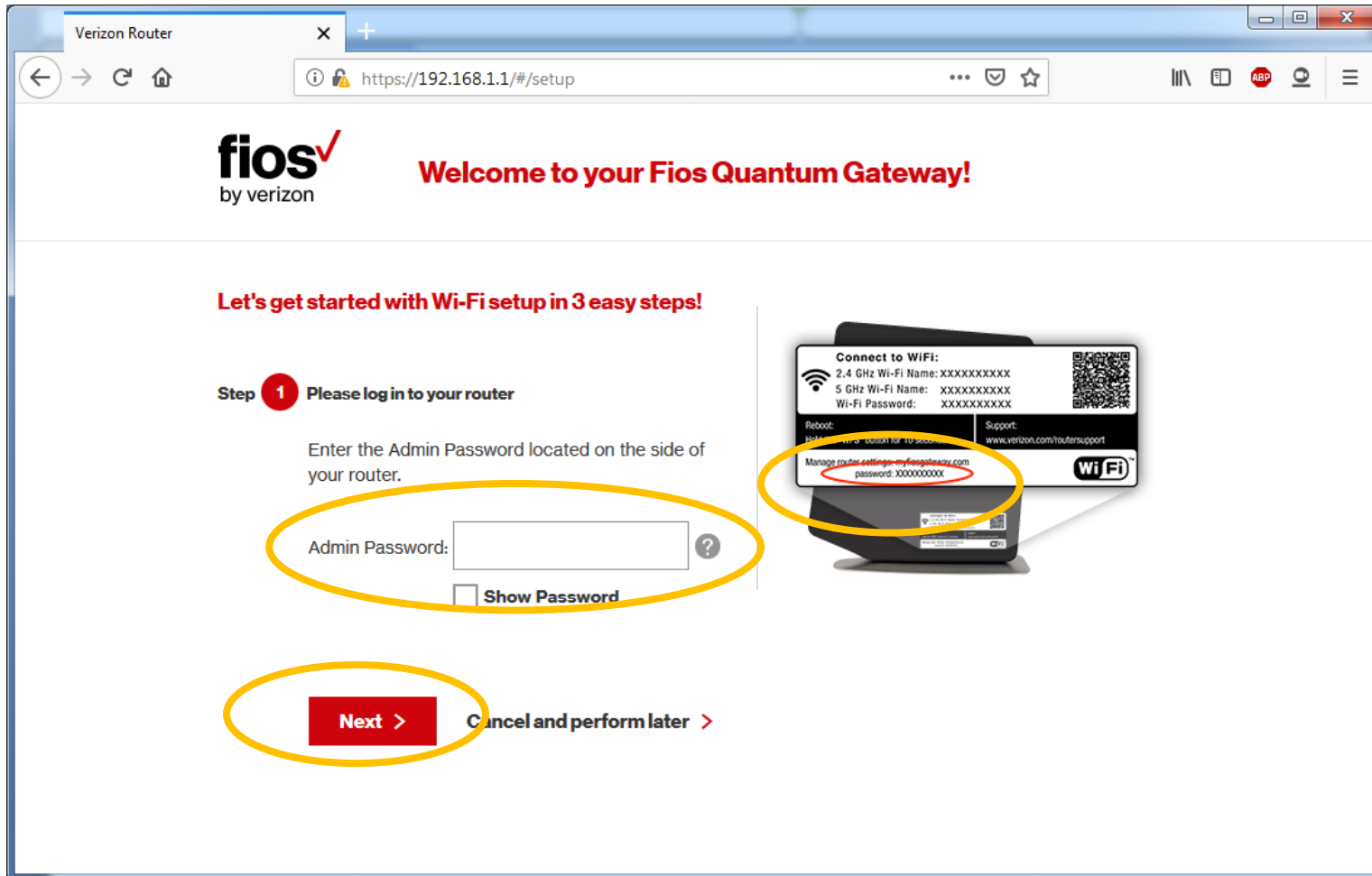
Step 3

A pop-up will ask you to “Confirm Security Exception”, click on this button.



Step 4

Type the Admin Password located on a sticker on the back of your router into the box indicated on the screen and then click “Next”.



The screenshot shows a web browser window titled "Verizon Router" with the URL "https://192.168.1.1/#/setup". The page features the Fios by Verizon logo and a welcome message: "Welcome to your Fios Quantum Gateway!". Below this, it says "Let's get started with Wi-Fi setup in 3 easy steps!".

Step 1 Please log in to your router

Enter the Admin Password located on the side of your router.

Admin Password: ?

Show Password

Next > Cancel and perform later >

On the right, there is an image of a router with a sticker. The sticker contains the following information:

- Connect to WiFi:**
- 2.4 GHz Wi-Fi Name: XXXXXXXXXXXX
- 5 GHz Wi-Fi Name: XXXXXXXXXXXX
- Wi-Fi Password: XXXXXXXXXXXX
- QR code
- Reboot: Hold the power button for 10 seconds
- Support: www.verizon.com/routersupport
- Manage router settings: myfiosgateway.com
- password: XXXXXXXXXX
- WiFi logo

Yellow circles highlight the "Admin Password" input field on the screen and the "password: XXXXXXXXXX" field on the router sticker. Another yellow circle highlights the "Next >" button.

Step 5

The next two screens show you your current network settings. You do not need to change anything here. On the first page click “Continue”. On the second page, click “Apply”.

Verizon Router

https://192.168.1.1/#/setup

fios by verizon **Welcome to your Fios Quantum Gateway!**

Step 2 Personalize your Wi-Fi settings

Your router is pre-configured with the Wi-Fi settings below. You may use the defaults or change the name and password to something easier to remember.

2.4 GHz Wi-Fi Name: FIOS-FKJP2

5 GHz Wi-Fi Name: FIOS-FKJP2-5G

Wi-Fi Password: host590pen8895rage

Wi-Fi Password must be at least 8 characters.

Restore defaults >

Restore from Account >

Setup and enable your Guest Wi-Fi (Optional):

To keep your Wi-Fi secure, the Fios Quantum Gateway has the ability to create a Guest Wi-Fi network, where your guests can access the internet but will not have access to your private files, shared printers and media.

Continue > Cancel and perform later > < Back

Verizon Router

https://192.168.1.1/#/setup

fios by verizon **Welcome to your Fios Quantum Gateway!**

Step 3 Review and Apply your Wi-Fi settings:

2.4 GHz Wi-Fi Name: **FIOS-FKJP2**

5 GHz Wi-Fi Name: **FIOS-FKJP2-5G**

Wi-Fi Password: **host590pen8895rage**

Guest Wi-Fi: **Off**

Restore default settings >

You can add devices in one simple step. If your device has WPS, then simply press the WPS button on the router & on your device. They will automatically and securely connect.

Don't forget to download the **My Fios App**, which allows you to manage your router remotely, enable and manage parental controls, manage your guest network and provides additional ways to add devices.

You can download My Fios App from the **Google Play Store** or **Apple App Store**.

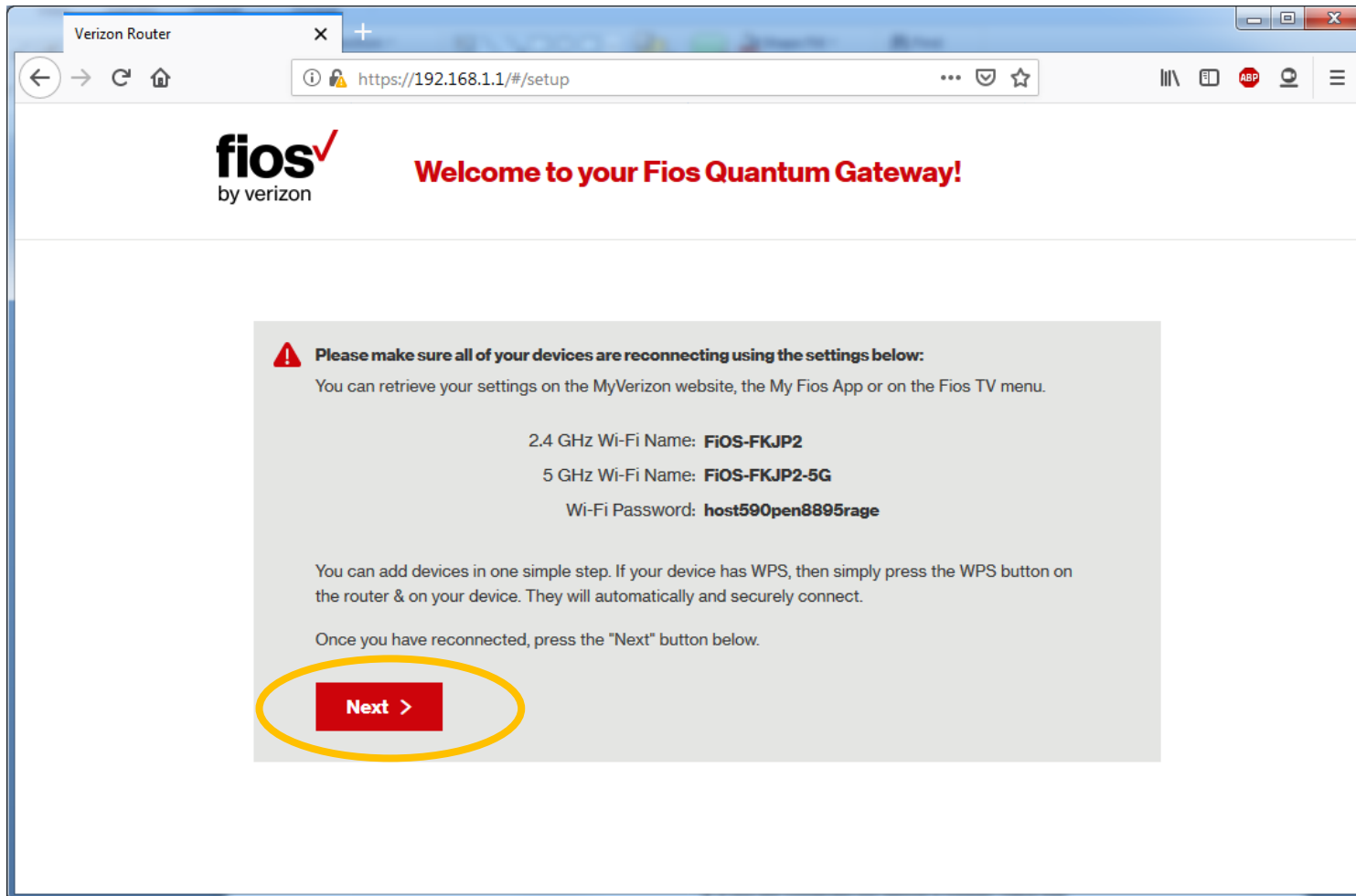
Available on the **App Store** **GET IT ON Google play**

Apply > Cancel and perform later > Save as picture > < Back

Note: Steps 5-7 will not appear if previously completed.

Step 6

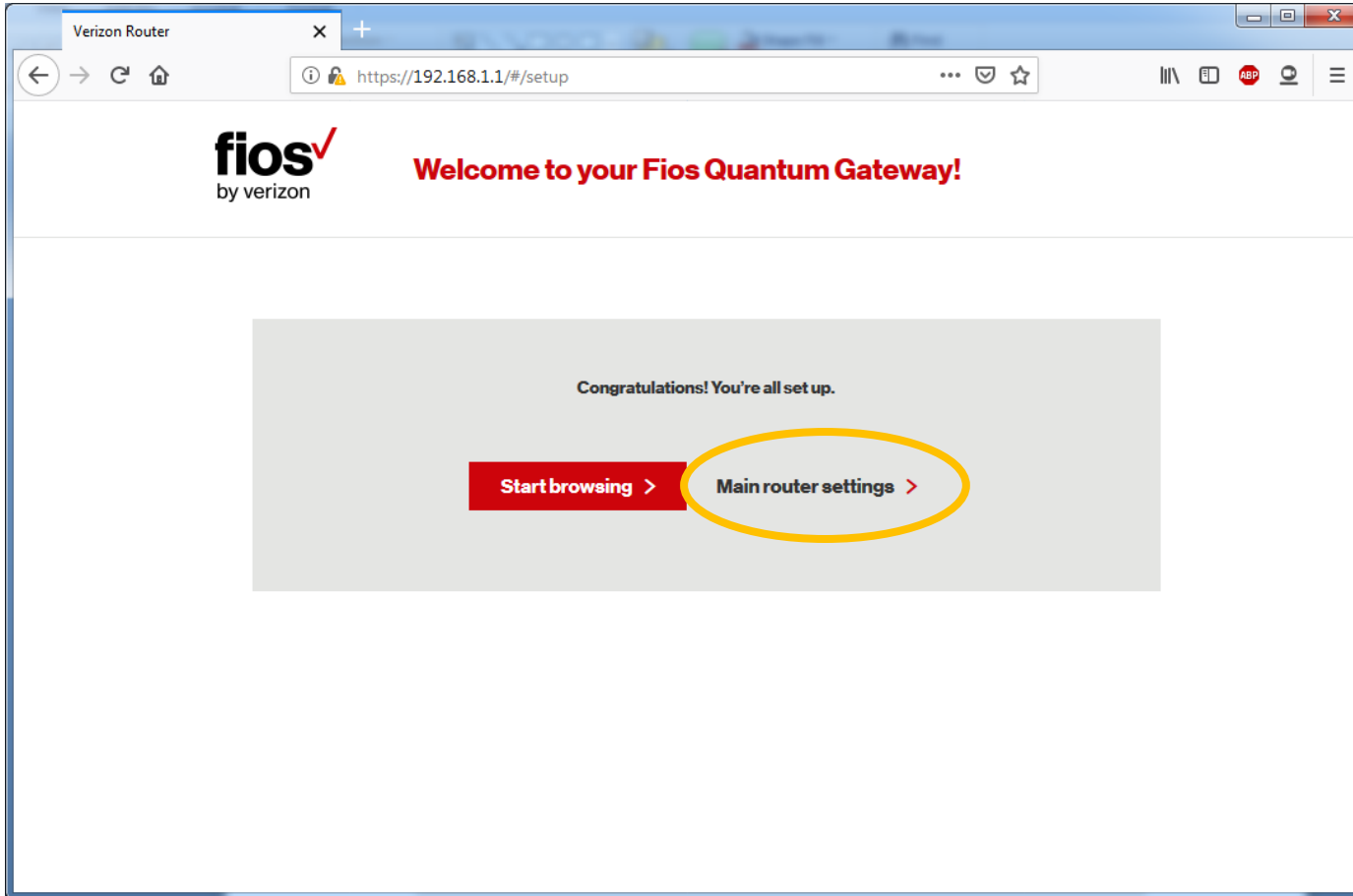
Final check to ensure your devices are on the network. You have not changed anything yet so you only need to click “Next” to continue.



The screenshot shows a web browser window titled "Verizon Router" with the address bar displaying "https://192.168.1.1/#/setup". The page features the "fios by verizon" logo and the heading "Welcome to your Fios Quantum Gateway!". A central gray box contains a warning icon and the text: "Please make sure all of your devices are reconnecting using the settings below: You can retrieve your settings on the MyVerizon website, the My Fios App or on the Fios TV menu." Below this, the Wi-Fi settings are listed: "2.4 GHz Wi-Fi Name: FIOS-FKJP2", "5 GHz Wi-Fi Name: FIOS-FKJP2-5G", and "Wi-Fi Password: host590pen8895rage". Further text states: "You can add devices in one simple step. If your device has WPS, then simply press the WPS button on the router & on your device. They will automatically and securely connect. Once you have reconnected, press the 'Next' button below." At the bottom of the gray box, a red button labeled "Next >" is circled in yellow.

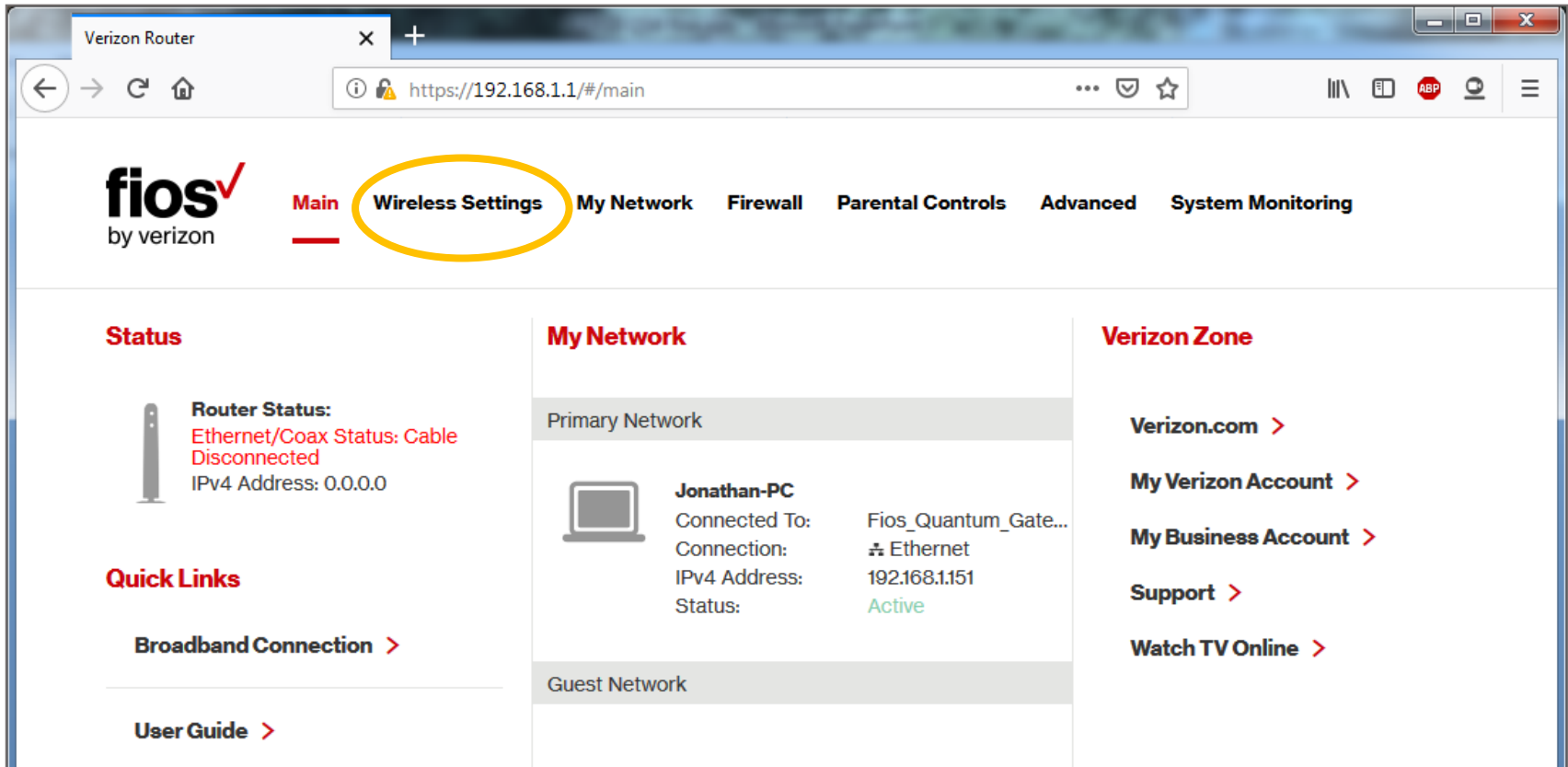
Step 7

You are through the set-up wizard. Please click on “Main Router Settings”



Step 8

You are now interfacing with your router. Click on Wireless Settings on the top navigation.



The screenshot shows a web browser window titled "Verizon Router" with the address bar displaying "https://192.168.1.1/#/main". The page features the "fios by verizon" logo and a navigation menu with the following items: "Main", "Wireless Settings", "My Network", "Firewall", "Parental Controls", "Advanced", and "System Monitoring". The "Wireless Settings" item is circled in yellow. Below the navigation menu, the page is divided into three columns: "Status", "My Network", and "Verizon Zone".

Status


Router Status:
Ethernet/Coax Status: Cable Disconnected
IPv4 Address: 0.0.0.0

Quick Links

- [Broadband Connection >](#)
- [User Guide >](#)

My Network

Primary Network

	Jonathan-PC	Connected To: Fios_Quantum_Gate...
	Connection: Ethernet	
	IPv4 Address: 192.168.1.151	
	Status: Active	

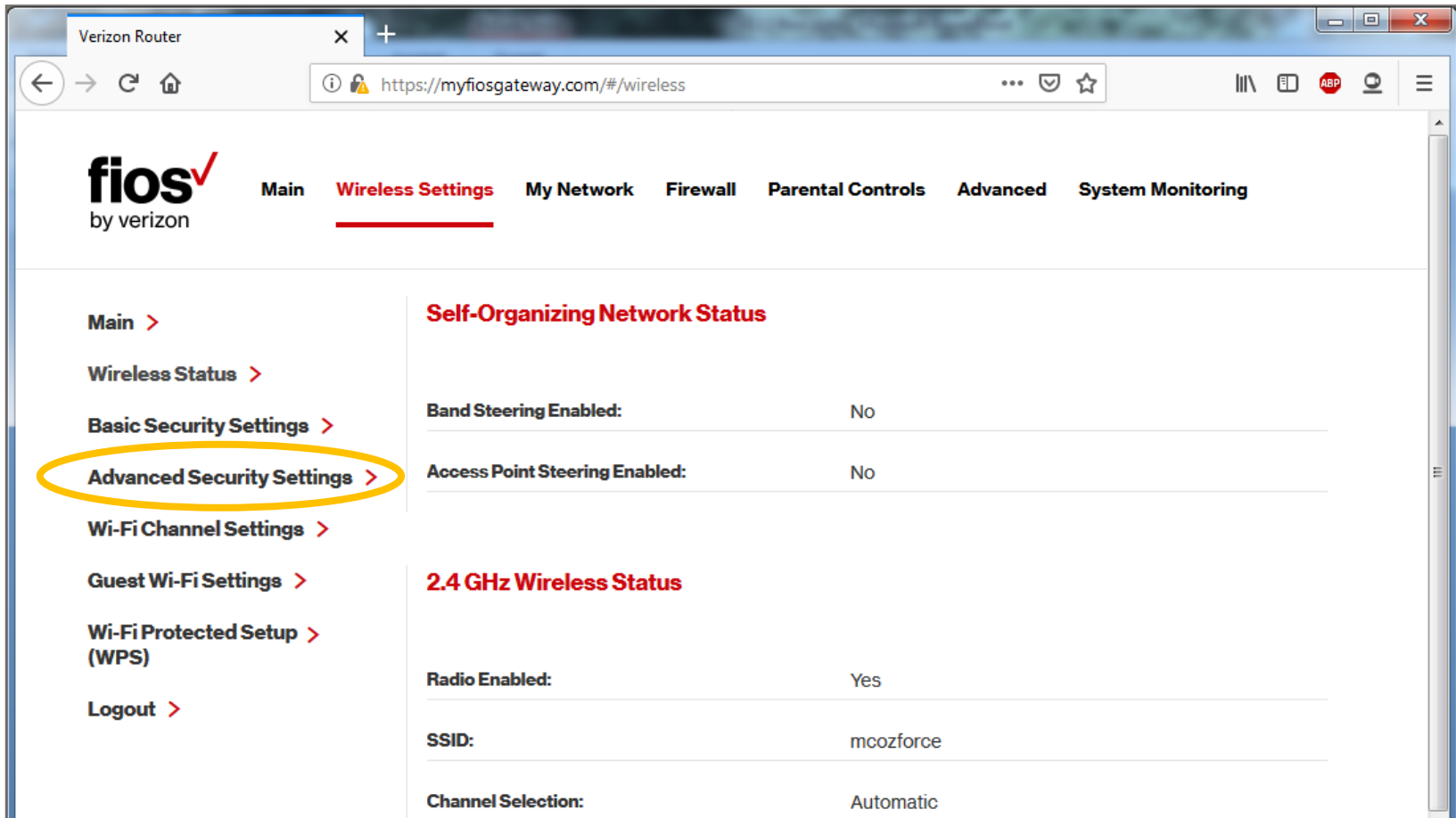
Guest Network

Verizon Zone

- [Verizon.com >](#)
- [My Verizon Account >](#)
- [My Business Account >](#)
- [Support >](#)
- [Watch TV Online >](#)

Step 9

On this screen you will notice that “Band Steering Enabled”= “No”
Click on Advanced Security Settings in the left-hand navigation.



The screenshot displays the Verizon Router's web interface. The browser address bar shows the URL <https://myfiogateway.com/#/wireless>. The navigation menu includes **Main**, **Wireless Settings** (highlighted with a red underline), **My Network**, **Firewall**, **Parental Controls**, **Advanced**, and **System Monitoring**. The left-hand navigation menu lists **Main**, **Wireless Status**, **Basic Security Settings**, **Advanced Security Settings** (circled in yellow), **Wi-Fi Channel Settings**, **Guest Wi-Fi Settings**, **Wi-Fi Protected Setup (WPS)**, and **Logout**. The main content area is titled **Self-Organizing Network Status** and contains the following settings:

Band Steering Enabled:	No
Access Point Steering Enabled:	No

Below this, the **2.4 GHz Wireless Status** section is visible with the following settings:

Radio Enabled:	Yes
SSID:	mcozforce
Channel Selection:	Automatic

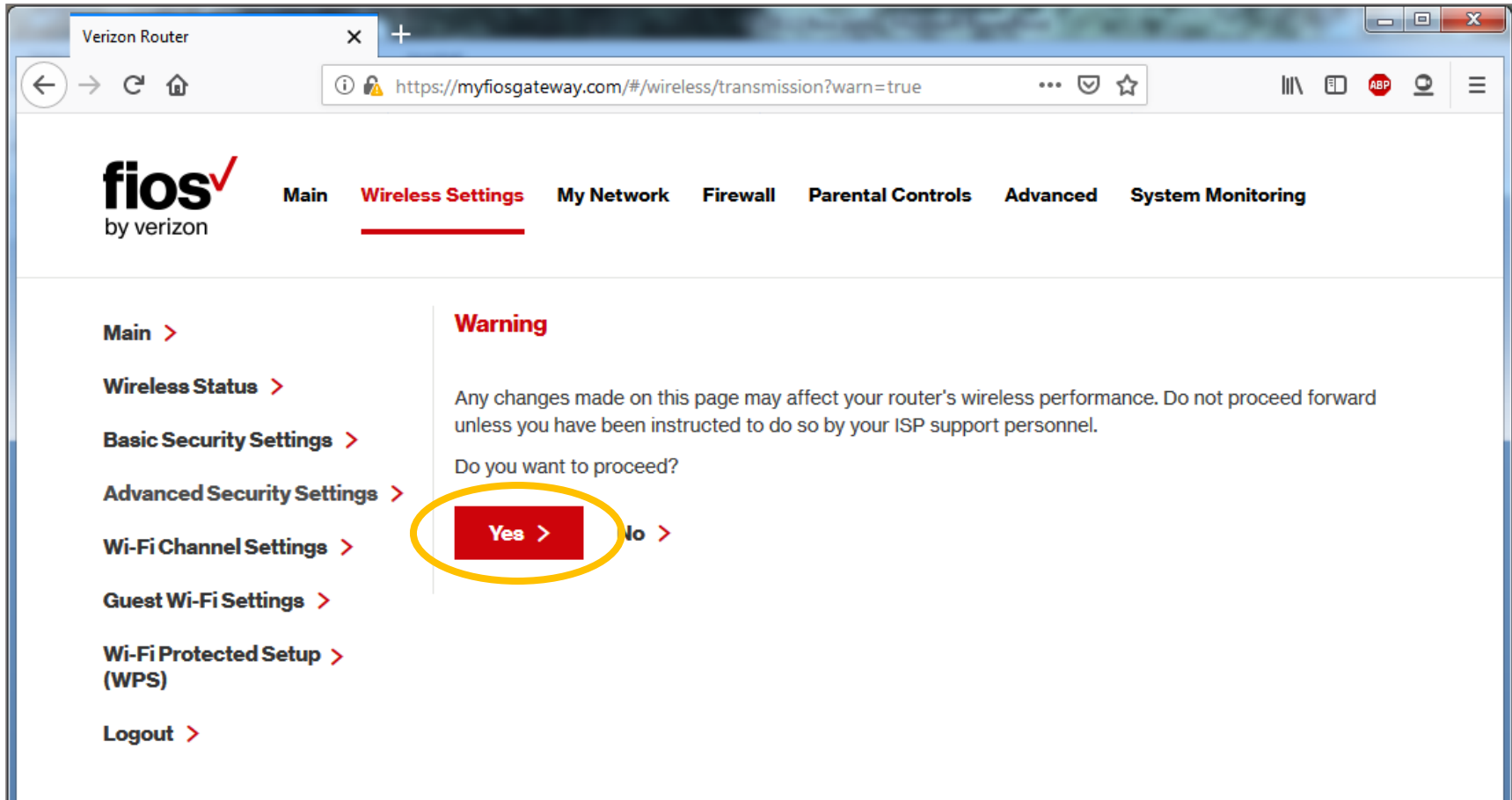
Step 10

Click on “Other Advanced Wireless Options”

The screenshot shows a web browser window titled "Verizon Router" with the address bar displaying "https://myfiogateway.com/#/wireless/advanced". The page features the "fios by verizon" logo and a navigation menu with items: Main, **Wireless Settings**, My Network, Firewall, Parental Controls, Advanced, and System Monitoring. A left sidebar contains links: Main >, Wireless Status >, Basic Security Settings >, Advanced Security Settings >, Wi-Fi Channel Settings >, Guest Wi-Fi Settings >, Wi-Fi Protected Setup (WPS) >, and Logout >. The main content area is titled "Advanced Security Settings" and includes "Level 1" instructions on SSID Broadcast, with sub-sections for "2.4 GHz SSID Broadcast" and "5 GHz SSID Broadcast". "Level 2" instructions mention "802.11b/g/n/ac Mode" and a link for "Other Advanced Wireless Options", which is highlighted with a yellow circle.

Step 11

You will receive this warning. Click on “Yes” to proceed.



The screenshot shows a web browser window titled "Verizon Router" with the URL <https://myfiogateway.com/#/wireless/transmission?warn=true>. The page features the "fios by verizon" logo and a navigation menu with options: Main, **Wireless Settings**, My Network, Firewall, Parental Controls, Advanced, and System Monitoring. On the left, a sidebar lists various settings: Main, Wireless Status, Basic Security Settings, Advanced Security Settings, Wi-Fi Channel Settings, Guest Wi-Fi Settings, Wi-Fi Protected Setup (WPS), and Logout. A warning dialog is displayed in the center, titled "Warning", with the text: "Any changes made on this page may affect your router's wireless performance. Do not proceed forward unless you have been instructed to do so by your ISP support personnel. Do you want to proceed?". Below the text are two buttons: "Yes" and "No". The "Yes" button is highlighted with a yellow circle.

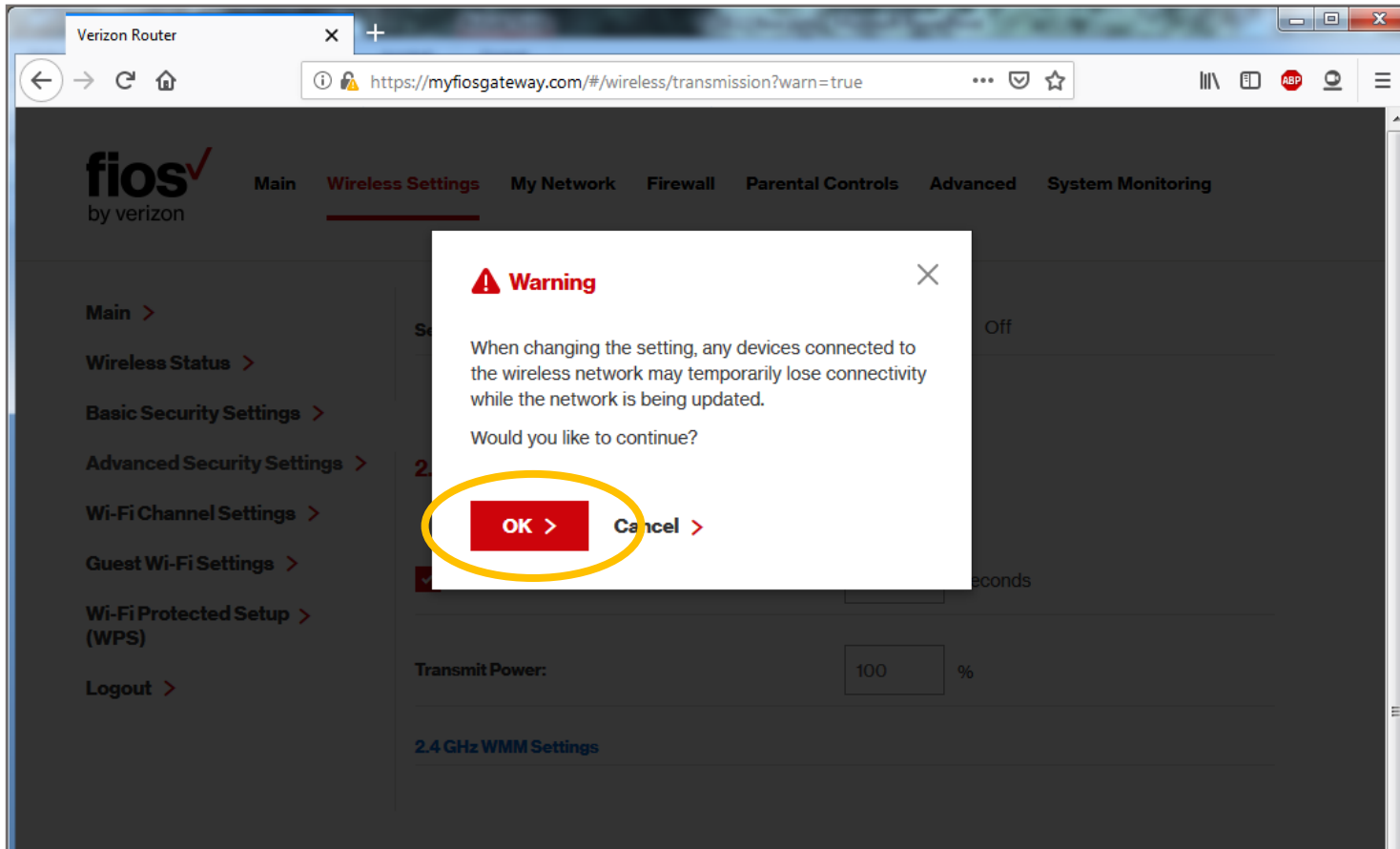
Step 12

“Self Organizing Enabled” is set to “Off” select “On” and then click “Apply” at the bottom of the page.

The screenshot displays the Verizon Router configuration interface in a web browser. The browser's address bar shows the URL `https://myfi gateway.com/#/wireless/transmission?warn=true`. The page features a navigation menu with the following items: Main, **Wireless Settings**, My Network, Firewall, Parental Controls, Advanced, and System Monitoring. The left sidebar contains a list of settings categories: Main, Wireless Status, Basic Security Settings, Advanced Security Settings, Wi-Fi Channel Settings, Guest Wi-Fi Settings, Wi-Fi Protected Setup (WPS), and Logout. The main content area is titled "2.4 GHz Advanced Wireless Options" and includes a "Self-Organizing Network Enabled" section with radio buttons for "On" and "Off". The "Off" option is currently selected. Below this, there are input fields for "Group Key Update Interval" (set to 3600) and "Transmit Power" (set to 100%). A similar section for "5 GHz Advanced Wireless Options" is visible below. At the bottom of the page, the "Apply" button is highlighted with a yellow circle, along with a "Back" button.

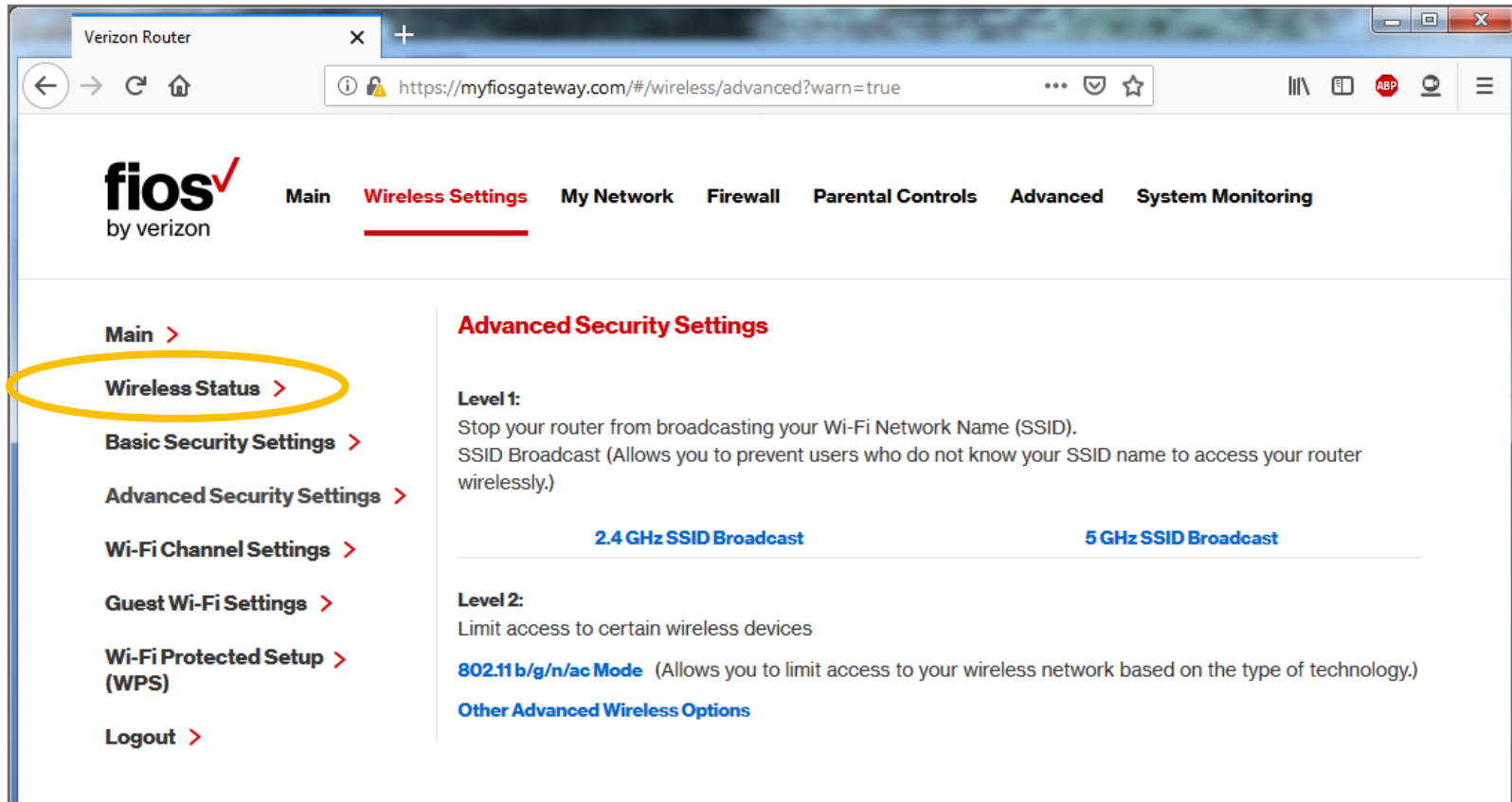
Step 13

A warning message will pop-up. Click “Ok” to continue.



Step 14

You will be returned to the Advanced Security Settings page. Click on Wireless Status in the left-hand navigation.



The screenshot shows a web browser window titled "Verizon Router" with the URL <https://myfiosgateway.com/#/wireless/advanced?warn=true>. The page features the "fios by verizon" logo and a navigation menu with the following items: Main, **Wireless Settings** (underlined), My Network, Firewall, Parental Controls, Advanced, and System Monitoring. On the left side, there is a vertical navigation menu with the following items: Main >, **Wireless Status >** (circled in yellow), Basic Security Settings >, Advanced Security Settings >, Wi-Fi Channel Settings >, Guest Wi-Fi Settings >, Wi-Fi Protected Setup (WPS) >, and Logout >. The main content area is titled "Advanced Security Settings" and contains the following sections:

- Level 1:** Stop your router from broadcasting your Wi-Fi Network Name (SSID). SSID Broadcast (Allows you to prevent users who do not know your SSID name to access your router wirelessly.)
 - 2.4 GHz SSID Broadcast
 - 5 GHz SSID Broadcast
- Level 2:** Limit access to certain wireless devices
 - 802.11b/g/n/ac Mode** (Allows you to limit access to your wireless network based on the type of technology.)
 - Other Advanced Wireless Options**

Step 15

Check to be sure your Band Steering Enabled status is now “Yes”

Your Wi-Fi networks and passwords for both 2.4 and 5ghz should be the same.

Please note:
You will need to verify that each of your devices are connected to the WiFi.

Thank you for taking the time to complete this process.

If you have any problems or questions, please contact:
VerizonTrials@Verizon.com

The screenshot shows the Verizon Router's wireless settings page. The page is titled "Verizon Router" and "https://myfiogateway.com/#/wireless". The main navigation includes "Main", "Wireless Settings", "My Network", "Firewall", "Parental Controls", "Advanced", and "System Monitoring". The "Wireless Settings" page is divided into three sections: "Self-Organizing Network Status", "2.4 GHz Wireless Status", and "5 GHz Wireless Status".

Self-Organizing Network Status:

Band Steering Enabled:	Yes
Access Point Steering Enabled:	No

2.4 GHz Wireless Status:

Radio Enabled:	No
SSID:	moozforce
Channel Selection:	Automatic
Current Channel:	1
Channel Width:	20 MHz
Security Enabled:	Yes
WPA2:	2145373148
SSID Broadcast:	Enabled
Wireless Mode:	Compatibility Mode(802.11b/g/n)

5 GHz Wireless Status:

Radio Enabled:	No
SSID:	moozforce
Channel Selection:	Automatic
Current Channel:	136
Channel Width:	80 MHz
Security Enabled:	Yes
WPA2:	2145373148
SSID Broadcast:	Enabled
Wireless Mode:	N and AC Mode(802.11n/ac)

Annotations on the screenshot include:

- A yellow oval highlights the "Self-Organizing Network Status" section.
- A red box highlights the "Band Steering Enabled" value "Yes".
- A blue box labeled "Should now say Yes" has a red arrow pointing to the "Band Steering Enabled" value.
- A large yellow oval highlights the "2.4 GHz Wireless Status" and "5 GHz Wireless Status" sections.
- Red boxes highlight the SSID "moozforce" and WPA2 password "2145373148" for both bands.
- Blue boxes labeled "These should match" have red arrows pointing to the SSID and WPA2 password fields for both bands.

Step 16

Reboot your router after enabling or disabling the SON feature enhancement. If you have an FNE (Fios Network Extender), reboot the FNE as well. Rebooting the router and FNE will ensure everything is reset, and your devices (phone/laptop/other devices) have the ability to disconnect and then reconnect to Wi-Fi.