

Tenda

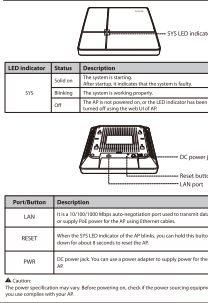
Quick Installation Guide

Ceiling AP Series

Package contents

- Wireless AP x 1
 - Bracket x 1
 - Accessories (Screws, plastic nuts, and plastic anchors)
 - Quick installation guide x 1
- Accessories including or exempted from the original packaging and content of this final model or other final model are provided. The Quick installation guide is for installation instruction only. For more product information details, please go to www.tendacn.com.

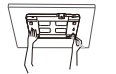
1. Getting to know your AP



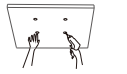
2. Installing your AP

Ceiling Installation

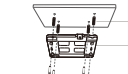
1. Position the bracket on the ceiling and mark screw holes on the ceiling with the marker.



2. Drill holes in the marked positions using a hammer drill.



3. Option A: Snap the plastic anchors into the holes using the rubber hammer. Then use the screwdriver to tighten the screws into the plastic anchors.



4. Option B: Align the plastic nuts with the holes in the ceiling and then use the included screws to fix the bracket.



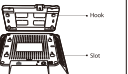
5. Connect a CAT5 or better cable to the LAN port of the AP. Connect a PoE switch to the PoE port, or a power adapter to the PWR jack to supply power to the AP.



6. Before powering on, check if the power sourcing equipment you use complies with your AP.

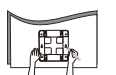


7. Insert the slots of the AP into the hooks of the bracket, and push the AP to one side until you hear a click.

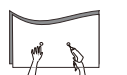


Wall mounting

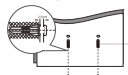
1. Position the bracket on the wall, and mark screw holes on the wall with the marker.



2. Drill holes in the marked positions using a hammer drill.



3. Knock the plastic anchors into the hole using the rubber hammer. Then use the screwdriver to tighten the screws into the plastic anchors.



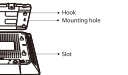
4. Connect a CAT5 or better cable to the LAN port of the AP. Connect a PoE switch to the PoE port, or a power adapter to the PWR jack to supply power to the AP.



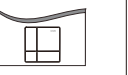
5. Before powering on, check if the power sourcing equipment you use complies with your AP.



6. Insert the slots of the AP into the hooks of the bracket, and push the AP to one side until you hear a click.



7. Align the wall mounting holes on the bracket with the screws to mount it.



3. Connecting and Configuring your APs

Scenario 1: Deploying your network without a management device for Tenda AP

1. Connect devices. Connect your AP to a PoE switch using an Ethernet cable. Refer to the following figure for detailed connection. After finishing, check your connection, ensure that the AP's LED indicator blinks and the lower-right internet icon on your computer is not displayed.

2. Configure the IP address of your computer (Example: Win10). Right-click the network icon on the lower-right corner of your computer. Click **Network and Sharing Center** > **Change adapter settings**. Right-click the **Ethernet**, then **Properties**. Double-click **Internet Protocol Version 4 (TCP/IPv4)**, select **Use the following IP address**, and enter the IP address to 192.168.0.254 and the subnet mask to 255.255.255.0, and click **OK**.

3. Log in to the web UI of the AP. Start a web browser on your computer, and access 192.168.0.254. Follow the on-screen instructions for login. Choose **Quick Setup**, the **2.4GHz** configuration page appears. Configure **SSID** (WiFi name), **Security Mode** (WPA2-PSK), recommended, **Key**, and click **Save**. Then select **SSID** from the **Radio Band** drop-down list and repeat this step.

4. Modifying the IP address of the AP. Choose **Internet Settings** > **LAN Setup**. Modify the IP address of the AP to 192.168.0.1, and click **Save**. Example: You can set the new IP address of the first AP to 192.168.0.201, and the new IP address of the second AP to 192.168.0.202.

5. Type if you cannot log to the web UI of the AP when Q1 is in FAQ.

6. Demo: WiFi name: The SSID you set in step 3. WiFi password: The Key you set in step 3.

Scenario 2: Deploying your network with an Tenda access controller (AC)

1. Connect devices

Use Ethernet cables to connect APs to PoE ports of the switch. Refer to the following figure for detailed connection.

2. Configure APs. Start a web browser on your computer and log in to the web UI of the AC. Refer to your AC's user guide for detailed instructions.

3. Log in to the web UI of the AP. Log in to the web UI of the AP. Choose **Tools** > **Maintenance**, and navigate to the **Power Upgrade** section. Click **Upgrade**. When the AP's LED indicator lights solid on, the upgrade is complete. Click **Upgrade**. Then repeat this procedure to change the IP address of the other APs. Meanwhile, ensure that the AP's new IP address is in the same network segment with the IP address of your computer. Then log in to the AP's web UI using the new IP address.

4. After successful upgrade, reset your AP to apply your settings.

5. How to reset my AP? A1. Option 1: Reset using the RESET button. When the SYS LED indicator of the AP blinks, hold down the **RESET** button for about 8 seconds. The AP is reset successfully when the SYS LED indicator lights solid on.

A2. Option 2: Reset using the web UI. Log in to the web UI of the AP. Choose **Tools** > **Maintenance**, and navigate to the **Reset** section. Then follow the on-screen instructions to reset it.

Note: Resetting clears all configurations of your AP.

6. Declaration of Conformity. HENGLI, SHENZHEN TENDA TECHNOLOGY CO., LTD. declares that the radio equipment type 24 is in compliance with Directive 2014/53/EU.

The full text of the EU Declaration of Conformity is available at the following internet address: <http://www.tendacn.com/service/download>, date: 10/1/2018

Operating Frequency: 2.4GHz, 5.2GHz, 5.8GHz, 5.9GHz, 5.15GHz, 5.25GHz, 5.35GHz, 5.45GHz, 5.55GHz, 5.65GHz, 5.75GHz, 5.85GHz, 5.95GHz, 6.0GHz, 6.1GHz, 6.2GHz, 6.3GHz, 6.4GHz, 6.5GHz, 6.6GHz, 6.7GHz, 6.8GHz, 6.9GHz, 7.0GHz, 7.1GHz, 7.2GHz, 7.3GHz, 7.4GHz, 7.5GHz, 7.6GHz, 7.7GHz, 7.8GHz, 7.9GHz, 8.0GHz, 8.1GHz, 8.2GHz, 8.3GHz, 8.4GHz, 8.5GHz, 8.6GHz, 8.7GHz, 8.8GHz, 8.9GHz, 9.0GHz, 9.1GHz, 9.2GHz, 9.3GHz, 9.4GHz, 9.5GHz, 9.6GHz, 9.7GHz, 9.8GHz, 9.9GHz, 10.0GHz, 10.1GHz, 10.2GHz, 10.3GHz, 10.4GHz, 10.5GHz, 10.6GHz, 10.7GHz, 10.8GHz, 10.9GHz, 11.0GHz, 11.1GHz, 11.2GHz, 11.3GHz, 11.4GHz, 11.5GHz, 11.6GHz, 11.7GHz, 11.8GHz, 11.9GHz, 12.0GHz, 12.1GHz, 12.2GHz, 12.3GHz, 12.4GHz, 12.5GHz, 12.6GHz, 12.7GHz, 12.8GHz, 12.9GHz, 13.0GHz, 13.1GHz, 13.2GHz, 13.3GHz, 13.4GHz, 13.5GHz, 13.6GHz, 13.7GHz, 13.8GHz, 13.9GHz, 14.0GHz, 14.1GHz, 14.2GHz, 14.3GHz, 14.4GHz, 14.5GHz, 14.6GHz, 14.7GHz, 14.8GHz, 14.9GHz, 15.0GHz, 15.1GHz, 15.2GHz, 15.3GHz, 15.4GHz, 15.5GHz, 15.6GHz, 15.7GHz, 15.8GHz, 15.9GHz, 16.0GHz, 16.1GHz, 16.2GHz, 16.3GHz, 16.4GHz, 16.5GHz, 16.6GHz, 16.7GHz, 16.8GHz, 16.9GHz, 17.0GHz, 17.1GHz, 17.2GHz, 17.3GHz, 17.4GHz, 17.5GHz, 17.6GHz, 17.7GHz, 17.8GHz, 17.9GHz, 18.0GHz, 18.1GHz, 18.2GHz, 18.3GHz, 18.4GHz, 18.5GHz, 18.6GHz, 18.7GHz, 18.8GHz, 18.9GHz, 19.0GHz, 19.1GHz, 19.2GHz, 19.3GHz, 19.4GHz, 19.5GHz, 19.6GHz, 19.7GHz, 19.8GHz, 19.9GHz, 20.0GHz, 20.1GHz, 20.2GHz, 20.3GHz, 20.4GHz, 20.5GHz, 20.6GHz, 20.7GHz, 20.8GHz, 20.9GHz, 21.0GHz, 21.1GHz, 21.2GHz, 21.3GHz, 21.4GHz, 21.5GHz, 21.6GHz, 21.7GHz, 21.8GHz, 21.9GHz, 22.0GHz, 22.1GHz, 22.2GHz, 22.3GHz, 22.4GHz, 22.5GHz, 22.6GHz, 22.7GHz, 22.8GHz, 22.9GHz, 23.0GHz, 23.1GHz, 23.2GHz, 23.3GHz, 23.4GHz, 23.5GHz, 23.6GHz, 23.7GHz, 23.8GHz, 23.9GHz, 24.0GHz, 24.1GHz, 24.2GHz, 24.3GHz, 24.4GHz, 24.5GHz, 24.6GHz, 24.7GHz, 24.8GHz, 24.9GHz, 25.0GHz, 25.1GHz, 25.2GHz, 25.3GHz, 25.4GHz, 25.5GHz, 25.6GHz, 25.7GHz, 25.8GHz, 25.9GHz, 26.0GHz, 26.1GHz, 26.2GHz, 26.3GHz, 26.4GHz, 26.5GHz, 26.6GHz, 26.7GHz, 26.8GHz, 26.9GHz, 27.0GHz, 27.1GHz, 27.2GHz, 27.3GHz, 27.4GHz, 27.5GHz, 27.6GHz, 27.7GHz, 27.8GHz, 27.9GHz, 28.0GHz, 28.1GHz, 28.2GHz, 28.3GHz, 28.4GHz, 28.5GHz, 28.6GHz, 28.7GHz, 28.8GHz, 28.9GHz, 29.0GHz, 29.1GHz, 29.2GHz, 29.3GHz, 29.4GHz, 29.5GHz, 29.6GHz, 29.7GHz, 29.8GHz, 29.9GHz, 30.0GHz, 30.1GHz, 30.2GHz, 30.3GHz, 30.4GHz, 30.5GHz, 30.6GHz, 30.7GHz, 30.8GHz, 30.9GHz, 31.0GHz, 31.1GHz, 31.2GHz, 31.3GHz, 31.4GHz, 31.5GHz, 31.6GHz, 31.7GHz, 31.8GHz, 31.9GHz, 32.0GHz, 32.1GHz, 32.2GHz, 32.3GHz, 32.4GHz, 32.5GHz, 32.6GHz, 32.7GHz, 32.8GHz, 32.9GHz, 33.0GHz, 33.1GHz, 33.2GHz, 33.3GHz, 33.4GHz, 33.5GHz, 33.6GHz, 33.7GHz, 33.8GHz, 33.9GHz, 34.0GHz, 34.1GHz, 34.2GHz, 34.3GHz, 34.4GHz, 34.5GHz, 34.6GHz, 34.7GHz, 34.8GHz, 34.9GHz, 35.0GHz, 35.1GHz, 35.2GHz, 35.3GHz, 35.4GHz, 35.5GHz, 35.6GHz, 35.7GHz, 35.8GHz, 35.9GHz, 36.0GHz, 36.1GHz, 36.2GHz, 36.3GHz, 36.4GHz, 36.5GHz, 36.6GHz, 36.7GHz, 36.8GHz, 36.9GHz, 37.0GHz, 37.1GHz, 37.2GHz, 37.3GHz, 37.4GHz, 37.5GHz, 37.6GHz, 37.7GHz, 37.8GHz, 37.9GHz, 38.0GHz, 38.1GHz, 38.2GHz, 38.3GHz, 38.4GHz, 38.5GHz, 38.6GHz, 38.7GHz, 38.8GHz, 38.9GHz, 39.0GHz, 39.1GHz, 39.2GHz, 39.3GHz, 39.4GHz, 39.5GHz, 39.6GHz, 39.7GHz, 39.8GHz, 39.9GHz, 40.0GHz, 40.1GHz, 40.2GHz, 40.3GHz, 40.4GHz, 40.5GHz, 40.6GHz, 40.7GHz, 40.8GHz, 40.9GHz, 41.0GHz, 41.1GHz, 41.2GHz, 41.3GHz, 41.4GHz, 41.5GHz, 41.6GHz, 41.7GHz, 41.8GHz, 41.9GHz, 42.0GHz, 42.1GHz, 42.2GHz, 42.3GHz, 42.4GHz, 42.5GHz, 42.6GHz, 42.7GHz, 42.8GHz, 42.9GHz, 43.0GHz, 43.1GHz, 43.2GHz, 43.3GHz, 43.4GHz, 43.5GHz, 43.6GHz, 43.7GHz, 43.8GHz, 43.9GHz, 44.0GHz, 44.1GHz, 44.2GHz, 44.3GHz, 44.4GHz, 44.5GHz, 44.6GHz, 44.7GHz, 44.8GHz, 44.9GHz, 45.0GHz, 45.1GHz, 45.2GHz, 45.3GHz, 45.4GHz, 45.5GHz, 45.6GHz, 45.7GHz, 45.8GHz, 45.9GHz, 46.0GHz, 46.1GHz, 46.2GHz, 46.3GHz, 46.4GHz, 46.5GHz, 46.6GHz, 46.7GHz, 46.8GHz, 46.9GHz, 47.0GHz, 47.1GHz, 47.2GHz, 47.3GHz, 47.4GHz, 47.5GHz, 47.6GHz, 47.7GHz, 47.8GHz, 47.9GHz, 48.0GHz, 48.1GHz, 48.2GHz, 48.3GHz, 48.4GHz, 48.5GHz, 48.6GHz, 48.7GHz, 48.8GHz, 48.9GHz, 49.0GHz, 49.1GHz, 49.2GHz, 49.3GHz, 49.4GHz, 49.5GHz, 49.6GHz, 49.7GHz, 49.8GHz, 49.9GHz, 50.0GHz, 50.1GHz, 50.2GHz, 50.3GHz, 50.4GHz, 50.5GHz, 50.6GHz, 50.7GHz, 50.8GHz, 50.9GHz, 51.0GHz, 51.1GHz, 51.2GHz, 51.3GHz, 51.4GHz, 51.5GHz, 51.6GHz, 51.7GHz, 51.8GHz, 51.9GHz, 52.0GHz, 52.1GHz, 52.2GHz, 52.3GHz, 52.4GHz, 52.5GHz, 52.6GHz, 52.7GHz, 52.8GHz, 52.9GHz, 53.0GHz, 53.1GHz, 53.2GHz, 53.3GHz, 53.4GHz, 53.5GHz, 53.6GHz, 53.7GHz, 53.8GHz, 53.9GHz, 54.0GHz, 54.1GHz, 54.2GHz, 54.3GHz, 54.4GHz, 54.5GHz, 54.6GHz, 54.7GHz, 54.8GHz, 54.9GHz, 55.0GHz, 55.1GHz, 55.2GHz, 55.3GHz, 55.4GHz, 55.5GHz, 55.6GHz, 55.7GHz, 55.8GHz, 55.9GHz, 56.0GHz, 56.1GHz, 56.2GHz, 56.3GHz, 56.4GHz, 56.5GHz, 56.6GHz, 56.7GHz, 56.8GHz, 56.9GHz, 57.0GHz, 57.1GHz, 57.2GHz, 57.3GHz, 57.4GHz, 57.5GHz, 57.6GHz, 57.7GHz, 57.8GHz, 57.9GHz, 58.0GHz, 58.1GHz, 58.2GHz, 58.3GHz, 58.4GHz, 58.5GHz, 58.6GHz, 58.7GHz, 58.8GHz, 58.9GHz, 59.0GHz, 59.1GHz, 59.2GHz, 59.3GHz, 59.4GHz, 59.5GHz, 59.6GHz, 59.7GHz, 59.8GHz, 59.9GHz, 60.0GHz, 60.1GHz, 60.2GHz, 60.3GHz, 60.4GHz, 60.5GHz, 60.6GHz, 60.7GHz, 60.8GHz, 60.9GHz, 61.0GHz, 61.1GHz, 61.2GHz, 61.3GHz, 61.4GHz, 61.5GHz, 61.6GHz, 61.7GHz, 61.8GHz, 61.9GHz, 62.0GHz, 62.1GHz, 62.2GHz, 62.3GHz, 62.4GHz, 62.5GHz, 62.6GHz, 62.7GHz, 62.8GHz, 62.9GHz, 63.0GHz, 63.1GHz, 63.2GHz, 63.3GHz, 63.4GHz, 63.5GHz, 63.6GHz, 63.7GHz, 63.8GHz, 63.9GHz, 64.0GHz, 64.1GHz, 64.2GHz, 64.3GHz, 64.4GHz, 64.5GHz, 64.6GHz, 64.7GHz, 64.8GHz, 64.9GHz, 65.0GHz, 65.1GHz, 65.2GHz, 65.3GHz, 65.4GHz, 65.5GHz, 65.6GHz, 65.7GHz, 65.8GHz, 65.9GHz, 66.0GHz, 66.1GHz, 66.2GHz, 66.3GHz, 66.4GHz, 66.5GHz, 66.6GHz, 66.7GHz, 66.8GHz, 66.9GHz, 67.0GHz, 67.1GHz, 67.2GHz, 67.3GHz, 67.4GHz, 67.5GHz, 67.6GHz, 67.7GHz, 67.8GHz, 67.9GHz, 68.0GHz, 68.1GHz, 68.2GHz, 68.3GHz, 68.4GHz, 68.5GHz, 68.6GHz, 68.7GHz, 68.8GHz, 68.9GHz, 69.0GHz, 69.1GHz, 69.2GHz, 69.3GHz, 69.4GHz, 69.5GHz, 69.6GHz, 69.7GHz, 69.8GHz, 69.9GHz, 70.0GHz, 70.1GHz, 70.2GHz, 70.3GHz, 70.4GHz, 70.5GHz, 70.6GHz, 70.7GHz, 70.8GHz, 70.9GHz, 71.0GHz, 71.1GHz, 71.2GHz, 71.3GHz, 71.4GHz, 71.5GHz, 71.6GHz, 71.7GHz, 71.8GHz, 71.9GHz, 72.0GHz, 72.1GHz, 72.2GHz, 72.3GHz, 72.4GHz, 72.5GHz, 72.6GHz, 72.7GHz, 72.8GHz, 72.9GHz, 73.0GHz, 73.1GHz, 73.2GHz, 73.3GHz, 73.4GHz, 73.5GHz, 73.6GHz, 73.7GHz, 73.8GHz, 73.9GHz, 74.0GHz, 74.1GHz, 74.2GHz, 74.3GHz, 74.4GHz, 74.5GHz, 74.6GHz, 74.7GHz, 74.8GHz, 74.9GHz, 75.0GHz, 75.1GHz, 75.2GHz, 75.3GHz, 75.4GHz, 75.5GHz, 75.6GHz, 75.7GHz, 75.8GHz, 75.9GHz, 76.0GHz, 76.1GHz, 76.2GHz, 76.3GHz, 76.4GHz, 76.5GHz, 76.6GHz, 76.7GHz, 76.8GHz, 76.9GHz, 77.0GHz, 77.1GHz, 77.2GHz, 77.3GHz, 77.4GHz, 77.5GHz, 77.6GHz, 77.7GHz, 77.8GHz, 77.9GHz, 78.0GHz, 78.1GHz, 78.2GHz, 78.3GHz, 78.4GHz, 78.5GHz, 78.6GHz, 78.7GHz, 78.8GHz, 78.9GHz, 79.0GHz, 79.1GHz, 79.2GHz, 79.3GHz, 79.4GHz, 79.5GHz, 79.6GHz, 79.7GHz, 79.8GHz, 79.9GHz, 80.0GHz, 80.1GHz, 80.2GHz, 80.3GHz, 80.4GHz, 80.5GHz, 80.6GHz, 80.7GHz, 80.8GHz, 80.9GHz, 81.0GHz, 81.1GHz, 81.2GHz, 81.3GHz, 81.4GHz, 81.5GHz, 81.6GHz, 81.7GHz, 81.8GHz, 81.9GHz, 82.0GHz, 82.1GHz, 82.2GHz, 82.3GHz, 82.4GHz, 82.5GHz, 82.6GHz, 82.7GHz, 82.8GHz, 82.9GHz, 83.0GHz, 83.1GHz, 83.2GHz, 83.3GHz, 83.4GHz, 83.5GHz, 83.6GHz, 83.7GHz, 83.8GHz, 83.9GHz, 84.0GHz, 84.1GHz, 84.2GHz, 84.3GHz, 84.4GHz, 84.5GHz, 84.6GHz, 84.7GHz, 84.8GHz, 84.9GHz, 85.0GHz, 85.1GHz, 85.2GHz, 85.3GHz, 85.4GHz, 85.5GHz, 85.6GHz, 85.7GHz, 85.8GHz, 85.9GHz, 86.0GHz, 86.1GHz, 86.2GHz, 86.3GHz, 86.4GHz, 86.5GHz, 86.6GHz, 86.7GHz, 86.8GHz, 86.9GHz, 87.0GHz, 87.1GHz, 87.2GHz, 87.3GHz, 87.4GHz, 87.5GHz, 87.6GHz, 87.7GHz, 87.8GHz, 87.9GHz, 88.0GHz, 88.1GHz, 88.2GHz, 88.3GHz, 88.4GHz, 88.5GHz, 88.6GHz, 88.7GHz, 88.8GHz, 88.9GHz, 89.0GHz, 89.1GHz, 89.2GHz, 89.3GHz, 89.4GHz, 89.5GHz, 89.6GHz, 89.7GHz, 89.8GHz, 89.9GHz, 90.0GHz, 90.1GHz, 90.2GHz, 90.3GHz, 90.4GHz, 90.5GHz, 90.6GHz, 90.7GHz, 90.8GHz, 90.9GHz, 91.0GHz, 91.1GHz, 91.2GHz, 91.3GHz, 91.4GHz, 91.5GHz, 91.6GHz, 91.7GHz, 91.8GHz, 91.9GHz, 92.0GHz, 92.1GHz, 92.2GHz, 92.3GHz, 92.4GHz, 92.5GHz, 92.6GHz, 92.7GHz, 92.8GHz, 92.9GHz, 93.0GHz, 93.1GHz, 93.2GHz, 93.3GHz, 93.4GHz, 93.5GHz, 93.6GHz, 93.7GHz, 93.8GHz, 93.9GHz, 94.0GHz, 94.1GHz, 94.2GHz, 94.3GHz, 94.4GHz, 94.5GHz, 94.6GHz, 94.7GHz, 94.8GHz, 94.9GHz, 95.0GHz, 95.1GHz, 95.2GHz, 95.3GHz, 95.4GHz, 95.5GHz, 95.6GHz, 95.7GHz, 95.8GHz, 95.9GHz, 96.0GHz, 96.1GHz, 96.2GHz, 96.3GHz, 96.4GHz, 96.5GHz, 96.6GHz, 96.7GHz, 96.8GHz, 96.9GHz, 97.0GHz, 97.1GHz, 97.2GHz, 97.3GHz, 97.4GHz, 97.5GHz, 97.6GHz, 97.7GHz, 97.8GHz, 97.9GHz, 98.0GHz, 98.1GHz, 98.2GHz, 98.3GHz, 98.4GHz, 98.5GHz, 98.6GHz, 98.7GHz, 98.8GHz, 98.9GHz, 99.0GHz, 99.1GHz, 99.2GHz, 99.3GHz, 99.4GHz, 99.5GHz, 99.6GHz, 99.7GHz, 99.8GHz, 99.9GHz, 100.0GHz, 100.1GHz, 100.2GHz, 100.3GHz, 100.4GHz, 100.5GHz, 100.6GHz, 100.7GHz, 100.8GHz, 100.9GHz, 101.0GHz, 101.1GHz, 101.2GHz, 101.3GHz, 101.4GHz, 101.5GHz, 101.6GHz, 101.7GHz, 101.8GHz, 101.9GHz, 102.0GHz, 102.1GHz, 102.2GHz, 102.3GHz, 102.4GHz, 102.5GHz, 102.6GHz, 102.7GHz, 102.8GHz, 102.9GHz, 103.0GHz, 103.1GHz, 103.2GHz, 103.3GHz, 103.4GHz, 103.5GHz, 103.6GHz, 103.7GHz, 103.8GHz, 103.9GHz, 104.0GHz, 104.1GHz, 104.2GHz, 104.3GHz, 104.4GHz, 104.5GHz, 104.6GHz, 104.7GHz, 104.8GHz, 104.9GHz, 105.0GHz, 105.1GHz, 105.2GHz, 105.3GHz, 105.4GHz, 105.5GHz, 105.6GHz, 105.7GHz, 105.8GHz, 105.9GHz, 106.0GHz, 106.1GHz, 106.2GHz, 106.3GHz, 106.4GHz, 106.5GHz, 106.6GHz, 106.7GHz, 106.8GHz, 106.9GHz, 107.0GHz, 107.1GHz, 107.2GHz, 107.3GHz, 107.4GHz, 107.5GHz, 107.6GHz, 107.7GHz, 107.8GHz, 107.9GHz, 108.0GHz, 108.1GHz, 108.2GHz, 108.3GHz, 108.4GHz, 108.5GHz, 108.6GHz, 108.7GHz, 108.8GHz, 108.9GHz, 109.0GHz, 109.1GHz, 109.2GHz, 109.3GHz, 109.4GHz, 109.5GHz, 109.6GHz, 109.7GHz, 109.8GHz, 109.9GHz, 110.0GHz, 110.1GHz, 110.2GHz, 110.3GHz, 110.4GHz, 110.5GHz, 110.6GHz, 110.7GHz, 110.8GHz, 110.9GHz, 111.0GHz, 111.1GHz, 111.2GHz, 111.3GHz, 111.4GHz, 111.5GHz, 111.6GHz, 111.7GHz, 111.8GHz, 111.9GHz, 112.0GHz, 112.1GHz, 112.2GHz, 112.3GHz, 112.4GHz, 112.5GHz, 112.6GHz, 112.7GHz, 112.8GHz, 112.9GHz, 113.0GHz, 113.1GHz, 113.2GHz, 113.3GHz, 113.4GHz, 113.5GHz, 113.6GHz, 113.7GHz, 113.8GHz, 113.9GHz, 114.0GHz, 114.1GHz, 114.2GHz, 114.3GHz, 114.4GHz, 114.5GHz, 114.6GHz, 114.7GHz, 114.8GHz, 114.9GHz, 115.0GHz, 115.1GHz, 115.2GHz, 115.3GHz, 115.4GHz, 115.5GHz, 115.6GHz, 115.7GHz, 115.8GHz, 115.9GHz, 116.0GHz, 116.1GHz, 116.2GHz, 116.3GHz, 116.4GHz, 116.5GHz, 116.6GHz, 116.7GHz, 116.8GHz, 116.9GHz, 117.0GHz, 117.1GHz, 117.2GHz, 117.3GHz, 117.4GHz, 117.5GHz, 117.6GHz, 117.7GHz, 117.8GHz, 117.9GHz, 118.0GHz, 118.1GHz, 118.2GHz, 118.3GHz, 118.4GHz, 118.5GHz, 118.6GHz, 118.7GHz, 118.8GHz, 118.9GHz, 119.0GHz, 119.1GHz, 119.2GHz, 119.3GHz, 119.4GHz, 119.5GHz, 119.6GHz, 119.7GHz, 119.8GHz, 119.9GHz, 120.0GHz, 120.1GHz, 120.2GHz, 120.3GHz, 120.4GHz, 120.5GHz, 120.6GHz, 120.7GHz, 120.8GHz, 120.9GHz, 121.0GHz, 121.1GHz, 121.2GHz, 121.3GHz, 121.4GHz, 121.5GHz, 121.6GHz, 121.7GHz, 121.8GHz, 121.9GHz, 122.0GHz, 122.1GHz, 122.2GHz, 122.3GHz, 122.4GHz, 122.5GHz, 122.6GHz, 122.7GHz, 122.8GHz, 122.9GHz, 123.0GHz, 123.1GHz, 123.2GHz, 123.3GHz