# Dual Band Wi-Fi- Article no. 3786

## Resolution Steps

In **Wi-Fi networking**, dual band is capable of transmitting in either **2.4 GHz** and **5 GHz** links

- By supplying **separate network bandwidth** for each of the **two types** of links, this service can provides **maximum flexibility** in setting up a home network

- This feature enables customers to split usage between two access points, allowing for a better wireless experience

**Our Company supports**

- Setting up **both bands** as **separate networks**

    - On many devices this could cause the same router to show 2, or even 3 wireless presences depending upon the SSID's customer decides upon and if they set up **guest access**

- If the customer cannot see one of the SSID's  it is possible they do not have a wireless device which supports **dual band Wi-Fi**

**The biggest difference between 2.4 and 5.0 are range and speed (aka coverage and speed)**

- **2.4 GHz** has a **longer range** but communicates **data** at **slower speeds**

- **5 GHz** has a **lower range** but communicates **data** at **faster speeds**

- Range is lower for the 5 GHz because higher frequencies have a difficult time passing through solid objects

- Higher frequencies allow data to be transmitted even faster than lower frequencies

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