

RSSI (Received Signal Strength Indicator)- Article no. 4979

Introduction

RSSI (Received Signal Strength Indicator) is a measure of the power level that a client device is receiving from an access point.

Resolution Steps

Since each customer's **home** and **wireless situation** is **different**, **RSSI** can be affected by many different things.

- **Access Point** : transmitted power
 - **Physical items** can get in the way of **signal reception**
 - The **sensitivity and quality of the hardware** can hamper or aid **signal reception**
- **Physical environment**: distance between the transmitter and the receiver
 - Other devices generating radio signals can affect Wi-Fi signal
 - Too many WiFi devices can affect the range and quality of signal

- Distance can influence RSSI

- **RSSI** is expressed in **Merlin** in **decibals per meter** or **db** with the **db** notation omitted

- **A few RSSI signal quality examples (Higher quantity in negative is worse):**
 - High quality: -55db

 - Medium quality: -75db

 - Low quality: -85db

- Unusable quality: -96db

Online URL: <https://agentx-astound-kb-qa.hgsdigital.com/article.php?id=163>