



Configuring Rx SOP

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Information About Rx-SOP

Receiver Start of Packet Detection Threshold (Rx SOP) determines the Wi-Fi signal level in dBm at which an access point's radio demodulates and decodes a packet. As the Wi-Fi level increases, the radio sensitivity decreases and the receiver cell size becomes smaller. Reduction of the cell size affects the distribution of clients in the network.

Rx SOP is used to address clients with weak RF links, sticky clients, and client load balancing across access points. Rx SOP helps to optimize the network performance at high-density deployments such as stadiums and auditoriums where access points need to optimize the nearest and strongest clients.

Configuring Rx SOP (CLI)

Procedure

- Step 1** Configure the Rx SOP mode by entering this command:
- ```
ap dot11 {24ghz | 5ghz} rx-sop threshold {auto | high | low | medium}
```
- Step 2** Verify Rx SOP high-density parameters:
- ```
show ap dot11 24ghz high-density
```

```
Controller# show ap dot11 24ghz high-density
Receiver Start-of-Packet threshold: auto
Multicast Data Rate: auto
AP Name : AP5475.d064.0552
Receiver Start-of-Packet threshold: auto
Multicast Data Rate: auto 2:33 PM
```
