

## Radio Profile

Name \*

radio\_ng\_11ax-5g\_tokio

Description

Supported Radio Modes

ax (5GHz)

Maximum Transmit Power

10

10 - 20 dBm

Transmission Power Floor

5

2 - 20 dBm

Transmission Power Max Drop

9

0 - 18 dB

Maximum Number of Clients

100

1 - 255

Deny connection requests from legacy clients using  802.11b  802.11a/b/g

## Neighborhood Analysis [▶](#)

## Channel Selection

Channel

Auto

Channel Width

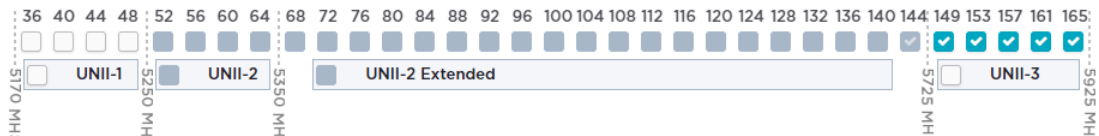
20 MHz



### Exclude Channels

Depending on regulatory rules in your region, disabling UNII-3 may result in an inability to operate APs in dual 5GHz mode.

Checking a channel will exclude it. Uncheck a channel to include it.



Transmission Power

Auto

Manual

ON

#### Enable client transmission power control (802.11h)

- Auto  
 Manual

OFF

#### Dynamic Frequency Selection

**Please Note:**

DFS settings do not apply to AP121, AP141, AP330, and AP350 access points that were shipped after 2 June 2016 and operate in the FCC domain.

DFS settings cannot be disabled for AP460C operating in the CE domain. When pushing configuration to these APs operating in the CE domain, XIQ will turn on DFS regardless of this setting.

OFF

#### Use the last known power and channel during the AP boot up process

ON

#### Dynamic Channel Switching

Dynamically select and switch channels based on the defined criteria.

Automatically select and switch channels during specified time interval

From

To

Do not switch channels if the number of connected clients exceeds   
Range: 0-100

Switch channels anytime if RF Interference exceeds the threshold

Interference Threshold  %

CRC Error Threshold  %

Do not switch channels if clients are connected

### Optimizing Radio Usage

OFF

#### High Density Configuration

Enables settings designed to optimize performance in high density environments

OFF

#### Band Steering

Enables the steering of clients from 2.4 GHz to 5.0 GHz radio band

OFF

#### Client Load Balancing

Enables client load balancing across neighboring Extreme Networks devices within the same [hive](#). You must set both the WiFi and WiFi radios to the same load balancing mode when it is based on the number of associated stations.

OFF

#### Radio Load Balancing

Distribute wireless clients that support 5 GHz band evenly across the two radios in Dual-5G mode when an SSID is available on both radios



## Miscellaneous Settings

### Outdoor Deployment

Support radio up to  meters

### RF Interference Reports

- Collect RF Interference-related data from APs  
Allow ExtremeCloud IQ to poll and collect RF Interference-related data periodically for APs.

#### Thresholds

ExtremeCloud IQ directs APs to adopt a shorter polling interval if the following thresholds are exceeded.

CRC Error Threshold  %

Channel Interference  %

Short-term Average  Minutes

### Client SLA Settings

- High Density (performance-oriented) [CUSTOMIZE](#)
- Normal Density
- Low Density (coverage-oriented)

## WMM QoS Settings

Access Category	Contention Window Minimum (1-15)	Contention Window Maximum (1-15)	AIFS (1-15)	TXOP Limit (0-8192)	No ACK
Voice	<input type="text" value="2"/>	<input type="text" value="3"/>	<input type="text" value="1"/>	<input type="text" value="1504"/> ▾	<input type="checkbox"/>
Video	<input type="text" value="3"/>	<input type="text" value="4"/>	<input type="text" value="1"/>	<input type="text" value="3008"/> ▾	<input type="checkbox"/>
Best-effort	<input type="text" value="4"/>	<input type="text" value="6"/>	<input type="text" value="3"/>	<input type="text" value="0"/> ▾	<input type="checkbox"/>
Background	<input type="text" value="4"/>	<input type="text" value="10"/>	<input type="text" value="7"/>	<input type="text" value="0"/> ▾	<input type="checkbox"/>

## Sensor Mode Scan Settings

### Dwell Time

(250 - 30000 milliseconds)

- Scan All Channels

OFF

### Weak Signal Probe Request Suppression

Allows the configuration of signal-to-noise threshold beyond which the device does not respond to client probes.

ON

### Safety Net

When a device is overloaded or is probed by clients with a low signal-to-noise ratio, Safety Net allows the device to respond to association requests after a certain time period lapses.

Safety Net Time Period

15 Seconds

### Radio Settings

Preamble Auto (Short/Long)

Beacon period 100 TUs

Enable short guard Interval  
Shorten guard interval to 400 from 800 nanoseconds.

Enable Aggregate MAC Protocol Data Units  
Combine data frames into larger frames before transmission.

Enable Smart Antenna (Enabling this option will disable MU-MIMO)

Enable OFDMA (Only applicable for AP305C, AP305CX, AP410C, AP460C, AP460S6C, AP460S12C, AP650, AP650X, AP630, AP510C and AP510CX)

Enable BSS Coloring (Only applicable for AP305C, AP305CX, AP410C, AP460C, AP460S6C, AP460S12C, AP650, AP650X, AP630, AP510C and AP510CX)

Enable Target Wake Time (Only applicable for AP305C, AP305CX, AP410C, AP460C, AP460S6C, AP460S12C, AP650, AP650X, AP630, AP510C and AP510CX)

## Backhaul Failover

ON

### Backhaul Failover

Backhaul failover settings determine the thresholds at which the device switches from a wired to a wireless backhaul link, and the thresholds at which the device switches back.

Switch to Wireless Backhaul 2 Seconds after the wired link fails

Revert Back to Wired Backhaul 30 Seconds after the wired link is established