

WP8x6 Wi-Fi Analyze Feature Guide

Wi-Fi Analyze Feature Overview

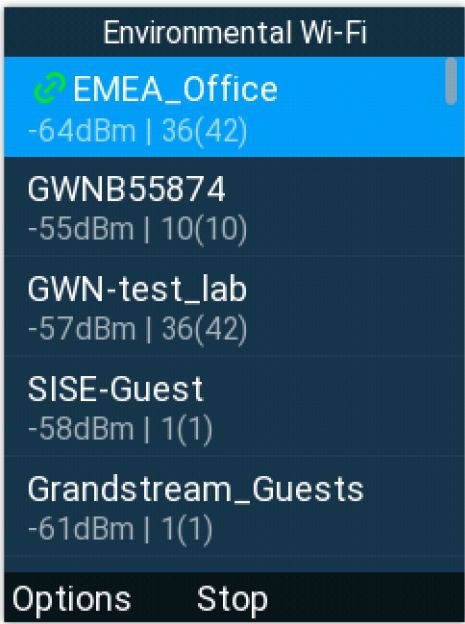
The Wi-Fi Analyze feature allows the device to scan and analyze the surrounding Wi-Fi environment. It displays available wireless networks, their signal and channel information, and provides tools to filter, sort, and inspect detailed Wi-Fi parameters. The feature also evaluates channel occupancy and provides channel recommendations for the currently used frequency band.

Core Wi-Fi Analyze Functions

Environment Wi-Fi Scan

Under **Settings** → **Diagnostics** → **Wi-Fi Analyze** → **Environmental Wi-Fi**, the following actions can be performed.

- Displays a list of detected Wi-Fi networks with:
 - SSID
 - Signal strength
 - Primary channel
 - Center channel
- The currently connected SSID is displayed **first**.
- Other networks are sorted by **signal strength**.
- Hidden Wi-Fi networks are displayed in the **BSSID list**.



List Page Controls

The Wi-Fi list page supports:

- Refresh and stop refresh
- Search
- Filtering by:
 - Frequency band
 - Security mode
 - Signal strength

Options

Search

Filter

Wi-Fi Band
5GHz

Security Mode
Open,WEP,WPA/WPA2 PSK

RSSI
Excellent,Good,Fair

Reset

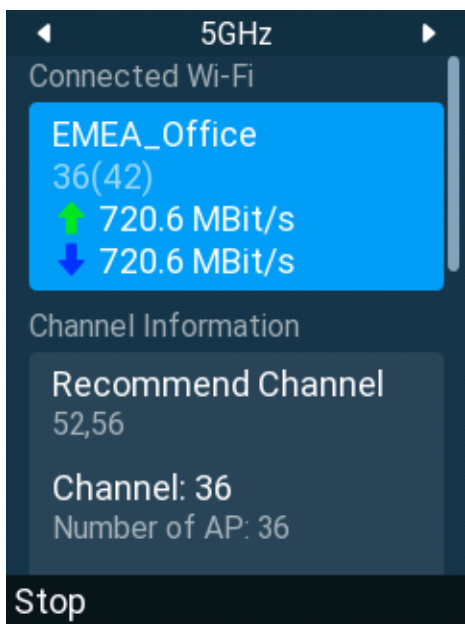
Detailed Wi-Fi Information

For each detected network, detailed information includes:

- MAC address
- Wi-Fi standard
- Signal strength
- Security type
- Frequency band
- Primary channel
- Channel center segment
- Bandwidth
- Center frequency
- Frequency range

Channel Rating

- Displays **primary channel occupancy** for:
 - 2.4 GHz
 - 5 GHz
- Displays information for the currently connected SSID:
 - Primary channel
 - Center channel
 - Upload rate
 - Download rate
- Provides **channel recommendations** for the current frequency band.
- Supports refresh and stop refresh operations.



Example

The following example scenario illustrates how analyzing nearby Wi-Fi networks using the WP8X6 can help optimize wireless network performance.

- The user opens the Wi-Fi Analyze feature.
- The device scans the environment and displays nearby Wi-Fi networks.
- The currently connected SSID appears at the top of the list.
- Other networks are sorted by signal strength.
- The user selects a network to view detailed information such as:
 - Wi-Fi standard
 - Channel and bandwidth
 - Frequency details
- The user opens the Channel Rating view to:
 - Check channel occupancy on the current frequency band
 - View upload and download rates of the connected SSID
 - Review the recommended channel for that band

Need Support?

Can't find the answer you're looking for? Don't worry we're here to help!

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