#WiFiDesignDay

Ekahau Innovation: What's New

Speaker Intros

MAC DERYNG
Director, Ekahau University
& Product Marketing

MATT STARLING
Director, Ekahau University
& Product Marketing

Copyright © 2021 Ekahau

3 Easy Steps to Great Wi-Fi Every Day

Evolution of the Wi-Fi Lifecycle

Step 1

A Great Network Starts with a Great **DESIGN**

Step 2

VALIDATE with Super Accurate Sidekick Measurements

Step 3

Maintain Great Wi-Fi with Regular **HEALTH CHECKS**

Copyright © 2021 Ekahau

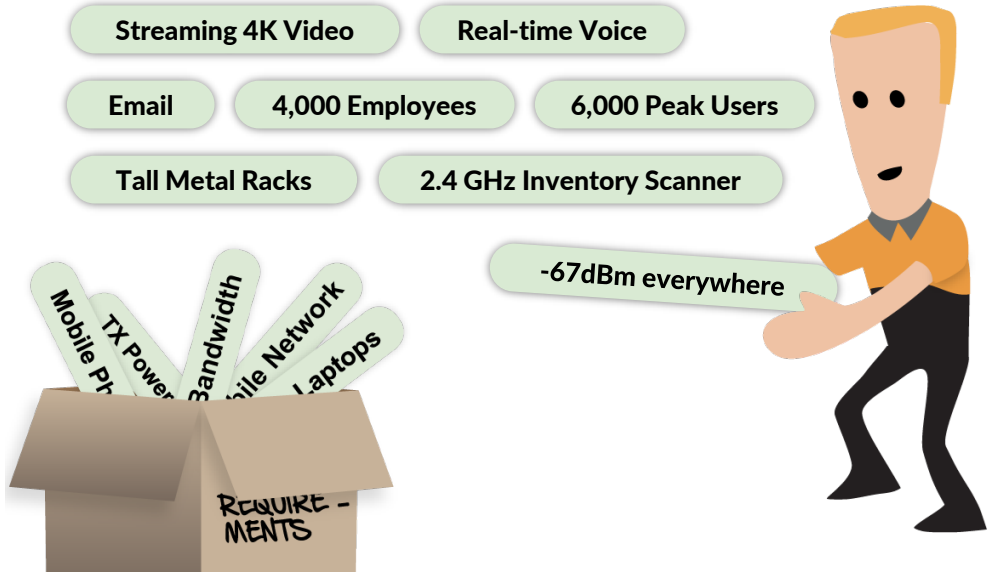
STEP 1 — STEP 2 — STEP 3

A Great Network Starts with a Great Design

INPUT

Get your requirements in order

- Concrete & Steel Exterior
- Glass Conference Rooms
- Streaming 4K Video
- Real-time Voice
- Email
- 4,000 Employees
- 6,000 Peak Users
- Tall Metal Racks
- 2.4 GHz Inventory Scanner
- -67dBm everywhere



OUTPUT

Wi-Fi perfectly designed to your business needs

The *RIGHT* number of APs

Get awesome Wi-Fi performance and reliability without overspending on unnecessary infrastructure.

In the *RIGHT* locations

Using thousands of iterations, Pro helps you identify the exact right locations to mount your wireless access points.

With the *RIGHT* configurations

Skip the guesswork with automatic channel plans and AP settings perfectly tuned to your requirements and layout.

STEP 1 — STEP 2 — STEP 3

Validate Your Design with Super Accurate Sidekick Measurements

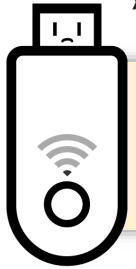
ACCURACY MATTERS

Your design relies on the accuracy of your floor plan, your inputs and your measurements to perform like you intended.

THE SIDEKICK IS ACCURACY DEFINED

Fastest, most accurate, all-in-one Wi-Fi diagnostic and measurement device.

- Validates if your design will work in the real world
- Identifies invisible interferers you might not know about
- Saves you money by getting it right the first time, before you run cables or commit to a costly deployment



Dongle Warning! USB Wi-Fi dongles and internal adapters have huge measurement variances and are not purpose-built for site surveys. Don't put your Wi-Fi network at risk!

STEP 1 — STEP 2 — STEP 3

Maintain Great Wi-Fi with Easy Performance Health Checks

Your wireless network needs frequent health checks to account for changes over time:

- Troubleshoot proactively and spot interference issues before they become major outages
- Identify and address network-impacting changes
  - Adding new employees or devices to the network
  - Onboarding more bandwidth-hungry applications
  - Making physical changes to office architecture, furnishings or even fluctuating inventory levels
- Ekahau tools are so powerful and sophisticated that anyone can use them to collect data

Copyright © 2021 Ekahau

ekahau
WIRELESS DESIGN

3 Easy Steps to Great Wi-Fi Every Day

Real-World Implementation

Step 1

DESIGN

PREDICTIVE DESIGN
Predictive design creation in Ekahau Pro

Step 2

VALIDATE

PRE-DESIGN SURVEY
Onsite RF & Environment check (Update predictive)

PRE-DEPLOYMENT SURVEY
AP on a Stick Survey in challenging environments (Validate predictive)

DEPLOYMENT

POST-DEPLOYMENT SURVEY
(Validate deployment)

Step 3

HEALTH CHECKS

PERIODIC HEALTH SURVEY
Account for change over time

TROUBLESHOOTING SURVEY
Something broken? Fix it!

Ekahau Insights

- Automated, Fast & Easy Wi-Fi Performance Analytics
- Complements Existing Management Systems
- Global Visibility into Network Health and Quality Across All Sites
- Built-in Quality Analytics
- Heatmap Cloud Viewer

ekahau
WIRELESS DESIGN

Copyright © 2021 Ekahau

Time for a live demo

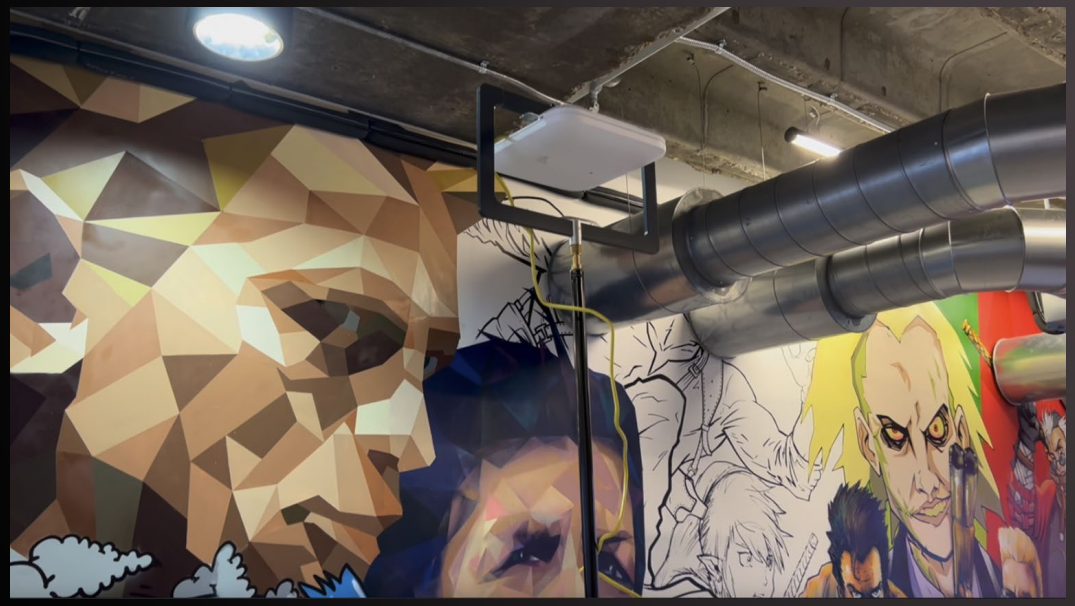
Copyright © 2021 Ekahau

Ekahau Survey 2.0

- New UI
- Inspect Mode
- Customizing Visualizations View
- Locking Sidekick to Scan Specific Channels

Copyright © 2021 Ekahau

Let’s see how these new features are used in practice... 😍



Copyright © 2021 Ekahau

ekahau
WIRELESS DESIGN

APoS - Warehouse

Copyright © 2021 Ekahau

ekahau
WIRELESS DESIGN

Common Wall Materials and their *Average Attenuations**

Drywall
3dB

Bookshelf
2dB

Exterior Glass
3dB

Solid Wood Door
6dB

Marble
6dB

Brick
10dB

Concrete
12dB

Elevator Shaft
30dB

Feeling Brave? 😈

Copyright © 2021 Ekahau

ekahau
WIRELESS DESIGN

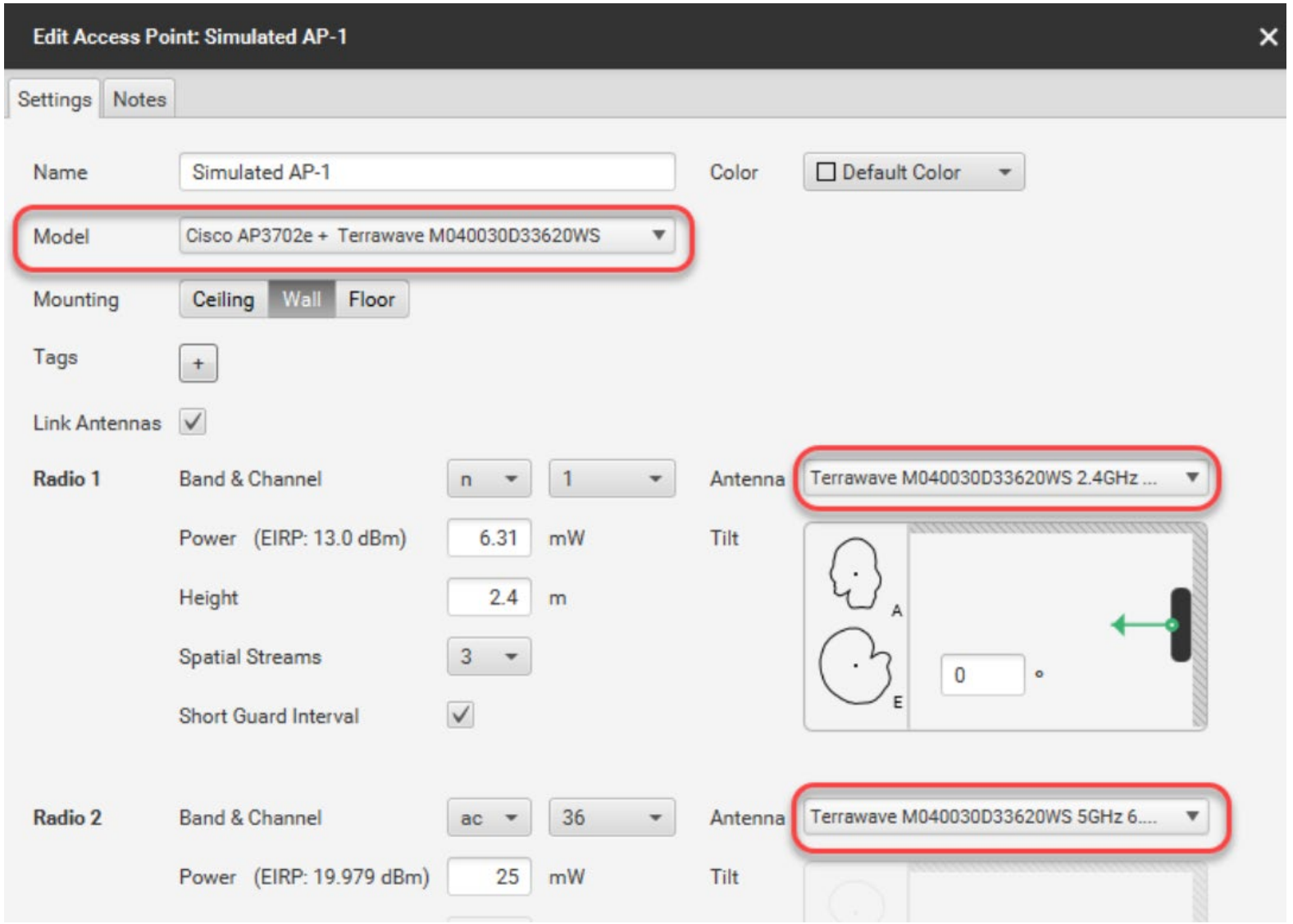
Autopilot Demo

Copyright © 2021 Ekahau

ekahau
WIRELESS DESIGN

Ekahau Pro 10.4 + Survey 2.0

Ekahau Pro 10.4



Copyright © 2021 Ekahau

ekahau
WIRELESS DESIGN

HAVE NO FEAR, INTERFERENCE DETECTION IS HERE!
INTERFERER DETECTED!

Thanks!

MATT STARLING
Director, Ekahau University & Product Marketing
@MattStarling

MAC DERYNG
Director, Ekahau University & Product Marketing
@MacDeryng

Copyright © 2021 Ekahau

ekahau
WIRELESS DESIGN