From floor plan to field evidence.

Office design example | Two layouts | 11 Cisco CW9176I APs

What this sample contains

A sanitized portfolio prediction, an AP schedule excerpt, and a practical outline of the requirements and validation work that belong around a heatmap.

Design narrative

The published office design distributes seven APs on one layout and four on another. Partitioned rooms and the relationship between floors are relevant to placement. The sample preserves the published AP positions and predicted 5 GHz signal strength.

Inputs to agree before design

Scaled plans and construction details; occupied coverage areas; user and device density; application requirements; client capabilities; permitted AP models; mounting heights and access; and agreed RF acceptance criteria.

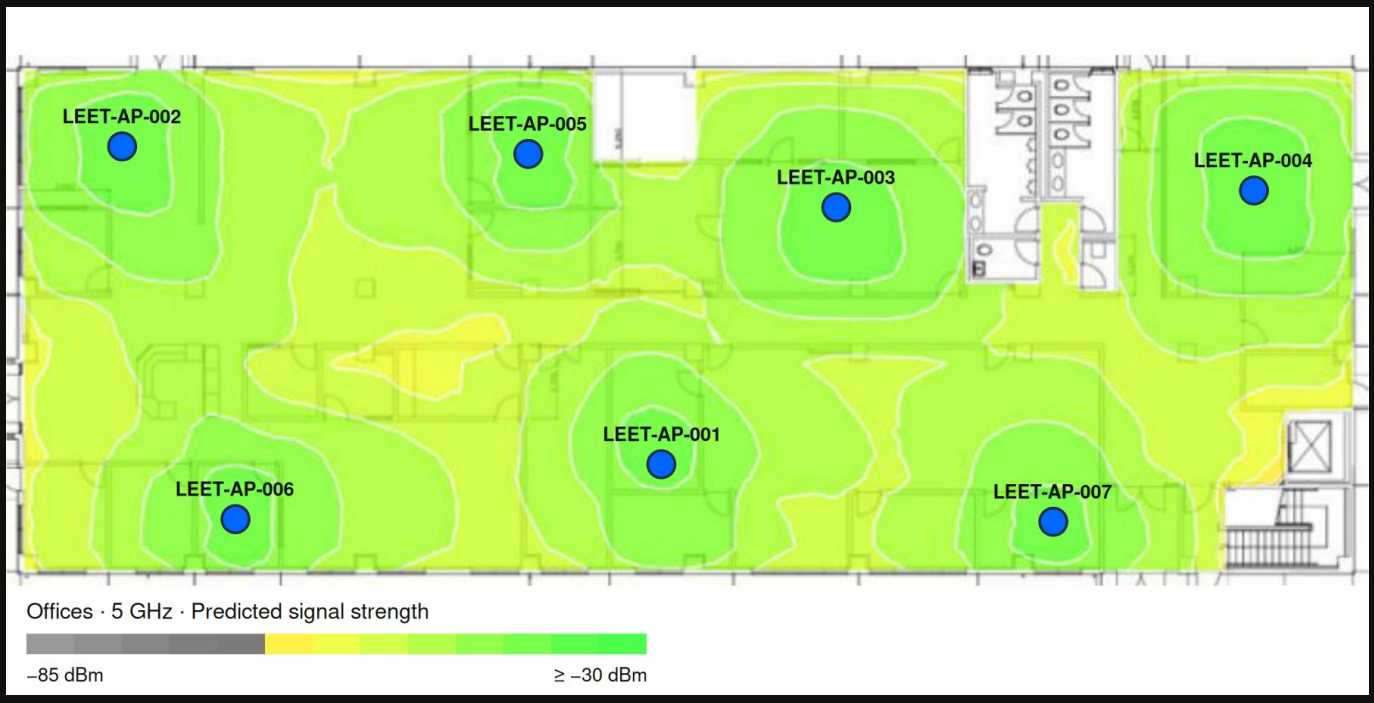
How to read this package

This is a sample assembled from a sanitized career portfolio example. The maps are predictive, not measured. Requirements, mounting details and acceptance criteria below describe the scope to establish for a new engagement; they are not undocumented facts about this example.

A heatmap is part of the answer. The installation team still needs to know what goes where, how it mounts, and what to check.

The prediction. With the APs.

Layout 1 | Seven APs | 5 GHz predicted signal strength



Blue markers identify Cisco CW9176I APs. LEET-AP identifiers replace original names. The signal-strength scale is included in the map; this prediction is not proof of installed performance.

Open both full-resolution layouts at www.leet-solutions.com/project-01.html. Field validation should compare the installed system with the criteria agreed for that engagement.

An AP schedule people can use.

Schedule excerpt | Published layout 1

Identifier	Model	Layout
LEET-AP-001	CW9176I	1
LEET-AP-002	CW9176I	1
LEET-AP-003	CW9176I	1
LEET-AP-004	CW9176I	1
LEET-AP-005	CW9176I	1
LEET-AP-006	CW9176I	1
LEET-AP-007	CW9176I	1

The complete published example has 11 CW9176I APs across two layouts. This excerpt covers the seven identifiers visible on layout 1.

Before installation release

Complete the mounting height, antenna orientation, bracket or enclosure, cable reference, power requirement and installation notes for each AP. Those fields require confirmed site inputs and are intentionally not invented here.

Materials and scope

A project-specific list of materials ties model quantities to approved mounting and power arrangements. Cable quantities, pathways, switch capacity and installation labor need their own scoped inputs.

Define “done” before deployment.

Review, validation and handoff

1 / Agree the criteria

Document required coverage areas, bands, client types and application needs. Set numeric RF targets for that engagement and record how they will be checked.

2 / Review the assumptions

Confirm construction, heights, antenna orientation and access. Where included in scope, AP-on-a-stick testing can provide evidence for placement and model calibration.

3 / Validate the installed network

Compare survey findings with agreed criteria. Keep predicted and measured plots separate. Scope active, roaming and application tests explicitly.

4 / Hand over usable files

Agree the report, RF plots, AP schedule, list of materials, source-file rights, exceptions and review session in the proposal.

Have a floor plan, a difficult building, or Wi-Fi with a personality problem? Start with the scope: www.leet-solutions.com/contact.html