

Raven Site Survey

Tuesday, August 4, 2026 at 5:29 AM

Networks in range: 50 • 2.4 GHz: 15 • 5 GHz: 28 • 6 GHz: 7

Mapped networks (best signal): Starling, Wren • Floors: 2

Client profile: Typical handheld

Signal shown as a typical handheld would receive it: measured values less -4 / -6 / -9 dB on 2.4 / 5 / 6 GHz.

Channel plan

2.4 GHz — 20 MHz wide • 3 usable channels • reuse required beyond 3 access points

1st ch 11 some traffic • 4 radios overlap

2nd ch 6 some traffic • 3 radios overlap

3rd ch 1 busy • 4 radios overlap

5 GHz — 80 MHz wide • 6 usable channels (4 need DFS)

No congestion issues — 5 of 6 channels are clear.

6 GHz — 160 MHz wide • 7 usable channels

No congestion issues — 7 of 7 channels are clear.

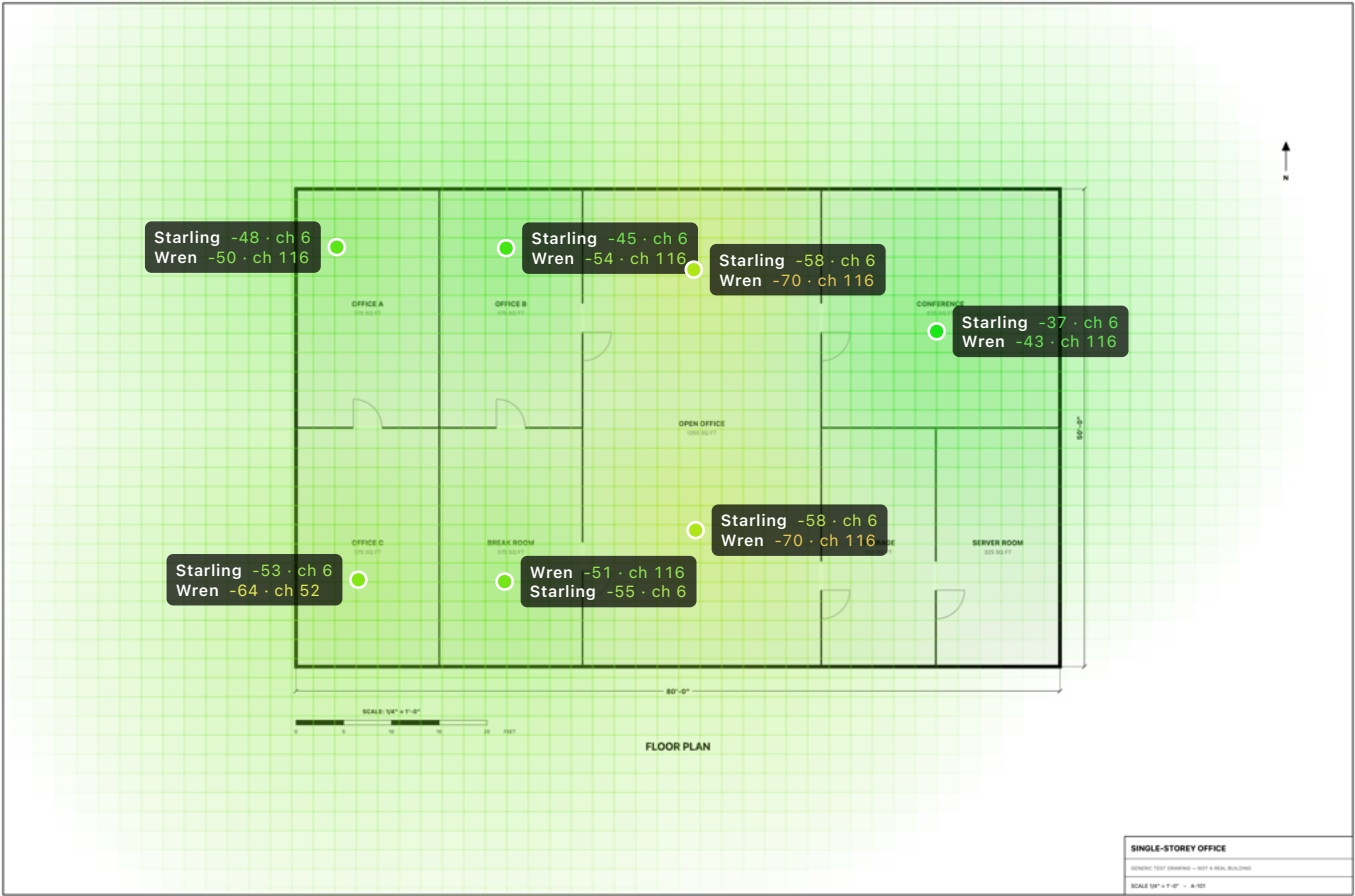
Channels are listed in the order to deploy them: three access points can take the first three without landing on the same channel. How busy a channel is weights every overlapping radio by how loud it is, so one close access point counts for more than several distant ones; co-located SSIDs count once. The mapped networks are left out of the scoring.

1st Floor

Networks: Starling, Wren • 7 markers • avg -50 dBm • 0 sq ft weak signal

Channels in use: Starling: ch 6 • Wren: ch 52, 116

Signal shown as a typical handheld would receive it: measured values less -4 / -6 / -9 dB on 2.4 / 5 / 6 GHz.



Coverage weak strong

2nd Floor

Networks: Starling, Wren • 7 markers • avg -49 dBm • 0 sq ft weak signal

Channels in use: Starling: ch 1, 6 • Wren: ch 52, 116

Signal shown as a typical handheld would receive it: measured values less -4 / -6 / -9 dB on 2.4 / 5 / 6 GHz.

