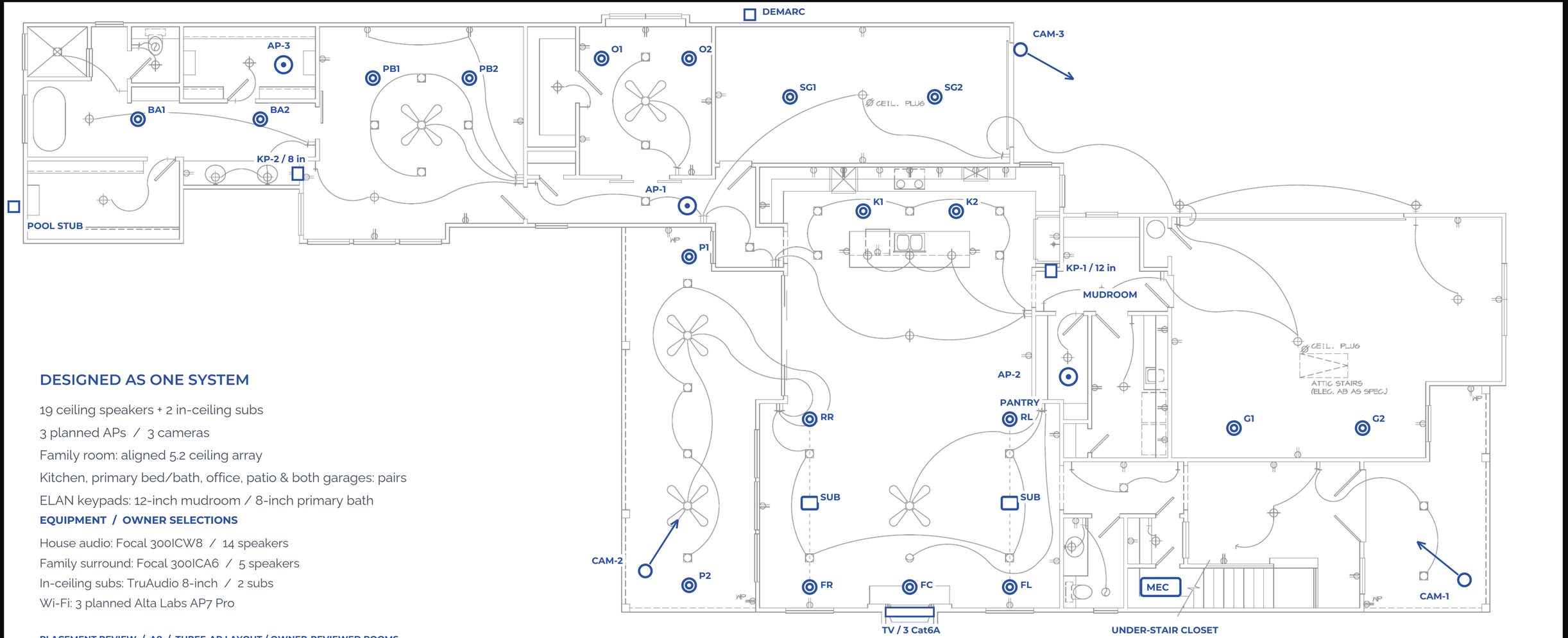
BlueNoteA/V
AUDIO • VIDEO • LIGHTING • SHADING • AUTOMATION

Great technology starts with a plan.

FIRST FLOOR / AUDIO, NETWORK & CAMERA PLACEMENT

Coordinated with the supplied electrical plan. Existing lights and fans retained.



DESIGNED AS ONE SYSTEM

19 ceiling speakers + 2 in-ceiling subs

3 planned APs / 3 cameras

Family room: aligned 5.2 ceiling array

Kitchen, primary bed/bath, office, patio & both garages: pairs

ELAN keypads: 12-inch mudroom / 8-inch primary bath

EQUIPMENT / OWNER SELECTIONS

House audio: Focal 300ICW8 / 14 speakers

Family surround: Focal 300ICA6 / 5 speakers

In-ceiling subs: TruAudio 8-inch / 2 subs

Wi-Fi: 3 planned Alta Labs AP7 Pro

PLACEMENT REVIEW / A8 / THREE-AP LAYOUT / OWNER-REVIEWED ROOMS

KEY Double circle: SPEAKER Rounded box: SUB Dot-in-circle: AP Arrow: CAMERA MEC: HEAD END KP: KEYPAD Square: EXTERIOR STUB

Dashed blue lines show speaker alignment. APs, cameras and TV use Cat6A; audio cable selection follows equipment.

Placement review only. Confirm framing, clearances and camera views on site. TruAudio sub model to confirm.

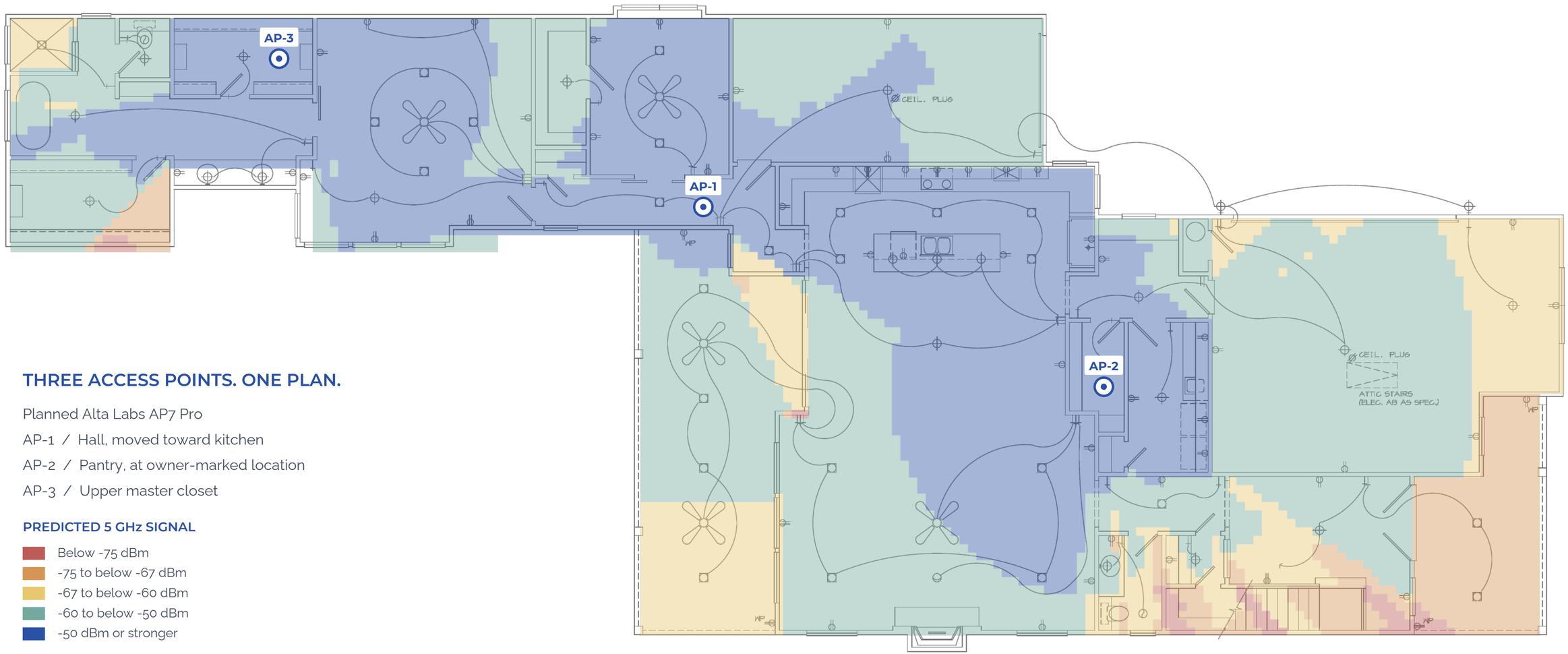
bluenoteav.com

BlueNoteA/V
AUDIO • VIDEO • LIGHTING • SHADING • AUTOMATION

Coverage starts with placement.

FIRST FLOOR / 5 GHz PREDICTED WI-FI COVERAGE

Three planned APs / +2 dB power scenario / closet and pantry enclosures included.



THREE ACCESS POINTS. ONE PLAN.

Planned Alta Labs AP7 Pro

AP-1 / Hall, moved toward kitchen

AP-2 / Pantry, at owner-marked location

AP-3 / Upper master closet

PREDICTED 5 GHz SIGNAL

- Below -75 dBm
- -75 to below -67 dBm
- -67 to below -60 dBm
- -60 to below -50 dBm
- -50 dBm or stronger

First floor only / walls included / not a measured site survey

MODEL: 22 dBm EIRP per AP / 10-ft assumed ceilings / client at 1.2 m / strongest AP at each point

Wall materials, glazing and operating power are assumptions. +2 dB model only; actual AP settings unchanged. Validate on site.

PRELIMINARY PREDICTION / W3 / 1

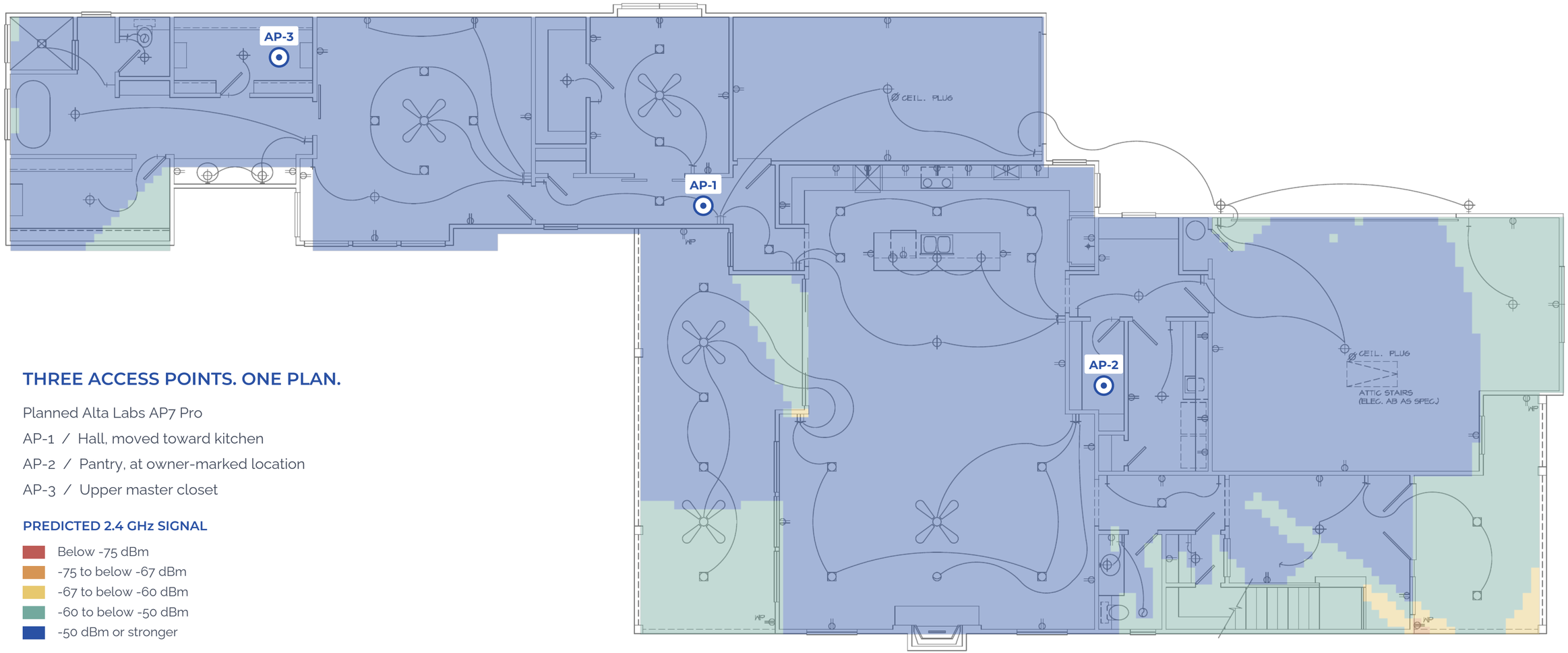
bluenoteav.com

BlueNoteA/V
AUDIO • VIDEO • LIGHTING • SHADING • AUTOMATION

Coverage starts with placement.

FIRST FLOOR / 2.4 GHz PREDICTED WI-FI COVERAGE

Three planned APs / +2 dB power scenario / closet and pantry enclosures included.



THREE ACCESS POINTS. ONE PLAN.

Planned Alta Labs AP7 Pro

AP-1 / Hall, moved toward kitchen

AP-2 / Pantry, at owner-marked location

AP-3 / Upper master closet

PREDICTED 2.4 GHz SIGNAL

- Below -75 dBm
- -75 to below -67 dBm
- -67 to below -60 dBm
- -60 to below -50 dBm
- -50 dBm or stronger

First floor only / walls included / not a measured site survey

MODEL: 20 dBm EIRP per AP / 10-ft assumed ceilings / client at 1.2 m / strongest AP at each point

Wall materials, glazing and operating power are assumptions. +2 dB model only; actual AP settings unchanged. Validate on site.

PRELIMINARY PREDICTION / W3 / 2

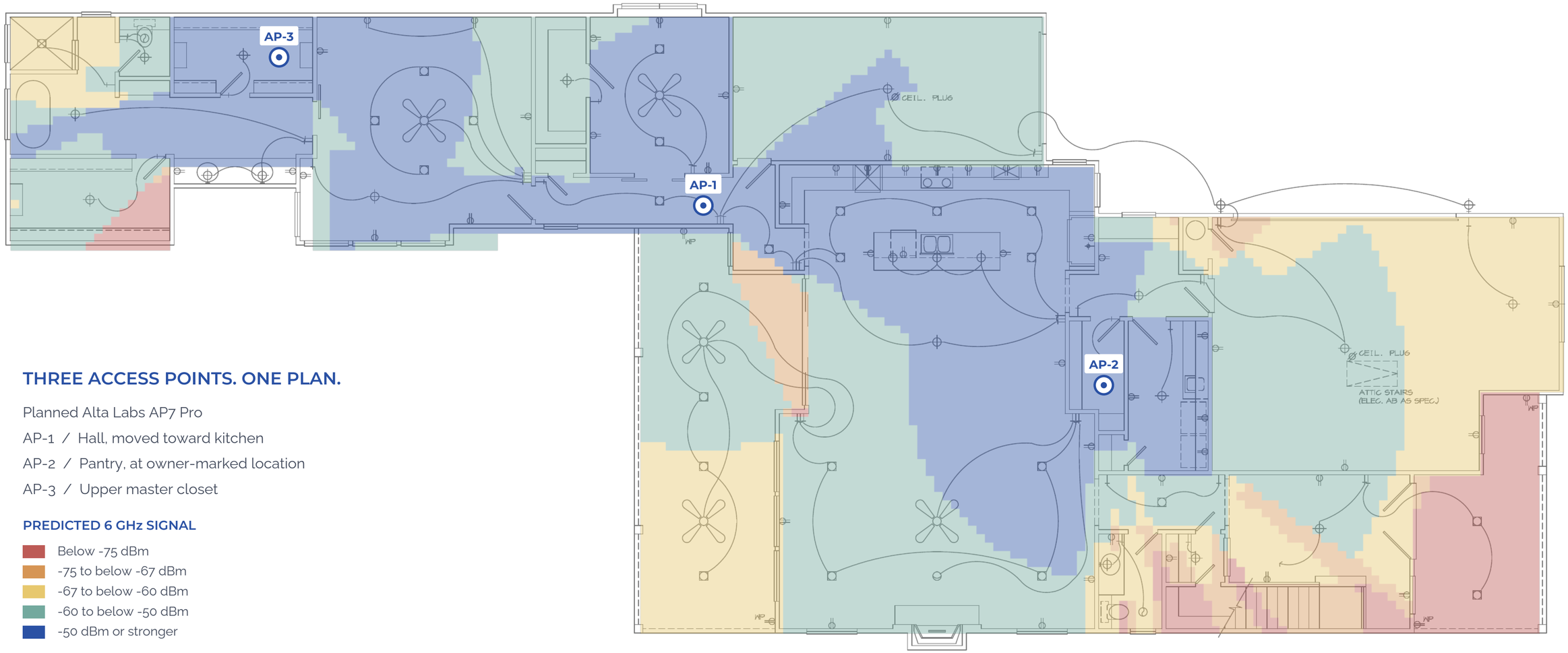
bluenoteav.com

BlueNoteA/V
AUDIO • VIDEO • LIGHTING • SHADING • AUTOMATION

Coverage starts with placement.

FIRST FLOOR / 6 GHz PREDICTED WI-FI COVERAGE

Three planned APs / +2 dB power scenario / closet and pantry enclosures included.



THREE ACCESS POINTS. ONE PLAN.

Planned Alta Labs AP7 Pro

AP-1 / Hall, moved toward kitchen

AP-2 / Pantry, at owner-marked location

AP-3 / Upper master closet

PREDICTED 6 GHz SIGNAL

- Below -75 dBm
- -75 to below -67 dBm
- -67 to below -60 dBm
- -60 to below -50 dBm
- -50 dBm or stronger

First floor only / walls included / not a measured site survey

MODEL: 22 dBm EIRP per AP / 10-ft assumed ceilings / client at 1.2 m / strongest AP at each point

Wall materials, glazing and operating power are assumptions. +2 dB model only; actual AP settings unchanged. Validate on site.

PRELIMINARY PREDICTION / W3 / 3

bluenoteav.com

BlueNoteA/V
AUDIO • VIDEO • LIGHTING • SHADING • AUTOMATION

Coverage starts with placement.

FIRST FLOOR / MODEL ASSUMPTIONS & REVIEW

Transparent inputs for a preliminary placement study. No live access-point settings were changed.

SOURCE & SCALE

One supplied electrical floor plan; right-hand project information omitted from showcase exports. Printed 1/4-inch = 1-foot scale yields 18 PDF points per foot. No dimension string was available for an independent check.

PLACEMENT & HEIGHT

Three planned Alta Labs AP7 Pro access points: hall at 1010,708; pantry at 1436.7,899.5; upper master closet at 558.550 in the 2300-pixel original-sheet basis. All modeled face-down at 10 feet above floor; client at 1.2 m. Pantry follows owner marks v7. Hall and closet points are proposed within owner-confirmed rooms, clear of visible ceiling lights.

RADIOS & ANTENNA

Scenario EIRP: 20 dBm at 2.4 GHz; 22 dBm at 5 and 6 GHz, each +2 dB versus W2. Frequencies: 2437 / 5500 / 6500 MHz. These are modeling inputs, not verified Auto settings. They are below the published physical EIRP caps (30 / 30 / 27 dBm). Available operating power depends on channel, region and configuration; actual controller settings have not been checked. Relative antenna loss uses approximate digitized manufacturer X-Z cuts, averaged and rotated symmetrically; not a full 3D model. Gain is already included in EIRP.

CONSTRUCTION

Manually traced partitions from the raster electrical sheet. Interior doors assumed closed; exterior walls and unverified glazing use a combined assembly loss. Pantry walls are included. A higher-loss scenario explores heavier finishes and a larger client allowance.

CALCULATION

A 0.20 m grid uses 3D free-space distance loss plus each intersected wall or closed door, relative antenna loss, and a 3 dB client/implementation allowance. Strongest AP signal shown. Higher-loss scenario uses larger wall losses and a 6 dB allowance. This is a simplified direct-path model.

ASSUMED LOSS PER CROSSING

For 2.4 / 5 / 6 GHz, in dB: stud/gypsum 3 / 5 / 6; exterior assembly 8 / 12 / 14; closed interior door 2 / 3 / 4; fireplace masonry 12 / 18 / 20. Higher-loss values: 5 / 7 / 8; 13 / 18 / 20; 4 / 5 / 6; 18 / 25 / 28 respectively. Analyst inputs, not manufacturer material guarantees.

WHAT THIS DOES NOT ESTABLISH

No upstairs prediction, measured RSSI, guaranteed speed, capacity or roaming. Reflections, diffraction, client uplink, furniture, appliances, ducts, interference and exact window coatings are unresolved. Garage doors/windows are not separately verified. Do not use the graphic as a commissioning report.

FIELD REVIEW

Check the primary bath and closets, both garages, patio and front porch. Confirm source scale, ceiling heights, materials and operating radio power before relying on coverage boundaries. Keep the actual placement drawing and RF study together.

Manufacturer source: Alta Labs AP7-Pro datasheet, specifications p.8; radiation plots pp.10-11.

https://media.alta.inc/datasheet/AP7-Pro_Datasheet.pdf