



Large Southern Utah Home Replaces Existing Network with Alta Labs and Sees Substantial Improvement

Wiretech Audio Video installed a home network in a high-end home in Southern Utah that was built within the last 3 years. They deployed Araknis WiFi 6 access points, network switches, and a router. Since the very beginning, the homeowner has been dissatisfied with the throughput and coverage provided. There were several dead spots and many were in commonly frequented locations within the home. The homeowner works in the construction business and requires reliable and fast performance so that he can upload and download project plans, project progress photos, and other important information.







AP6-Pro Outdoor Installation



Configuring the Network Rack

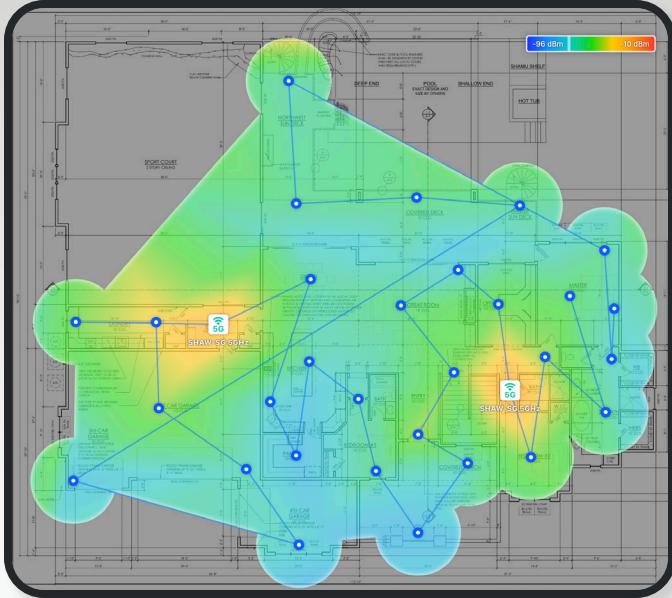
Key areas of the home suffered poor performance such as the office, bedroom, and theater. The home has a 1 Gbps Up / 1 Gbps Down fiber connection from TDS. Some areas that appeared to have good coverage based on the heat map, had client devices limited to only 100 Mbps upload and download. The homeowner complained repeatedly to Wiretech Audio Video. The solution was also cumbersome to access and manage remotely. The system is far from real time and requires a bit of effort to configure.

[A] Residential Upgrade Overview

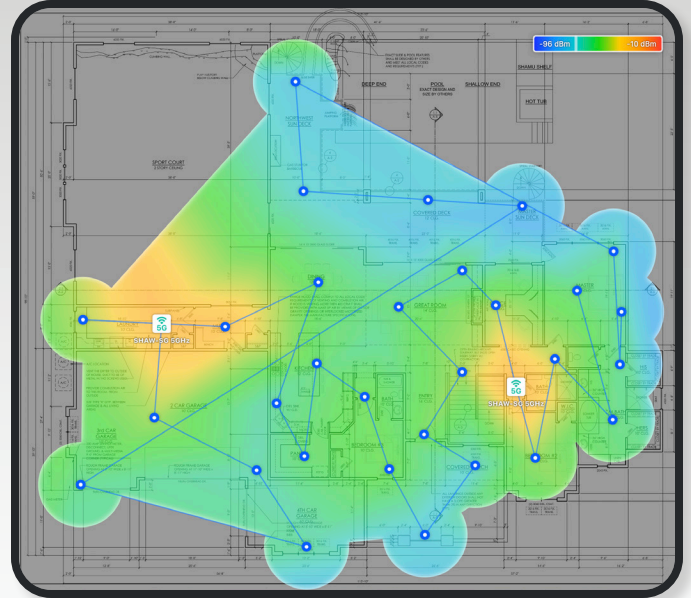
 AP6-PRO ACCESS POINTS: 3	 S24-POE SWITCHES: 2
 AP6-PRO OUTDOOR ACCESS POINT: 1	 ROUTE 10 ROUTER: 1

Wiretech Audio Video worked with Alta Labs to replace the existing APs, switches, and router. The APs were swapped out one for one, no additional access points were added to supplement coverage. The next page illustrates the improvements in coverage with the heat maps shown before and after.

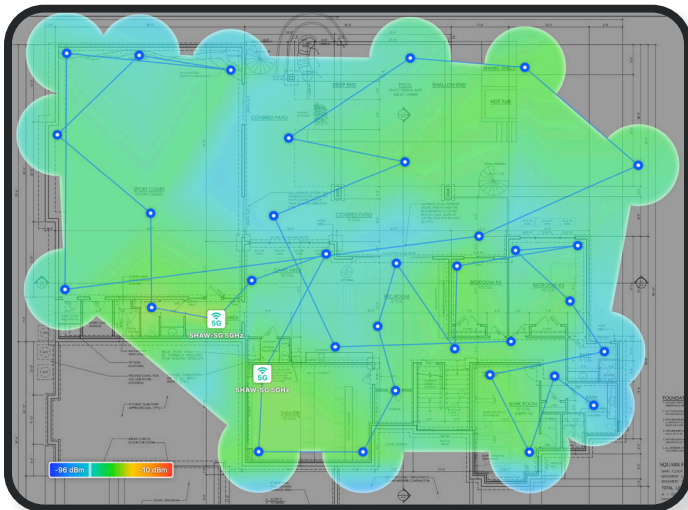
CASE STUDY:
RESIDENTIAL UPGRADE



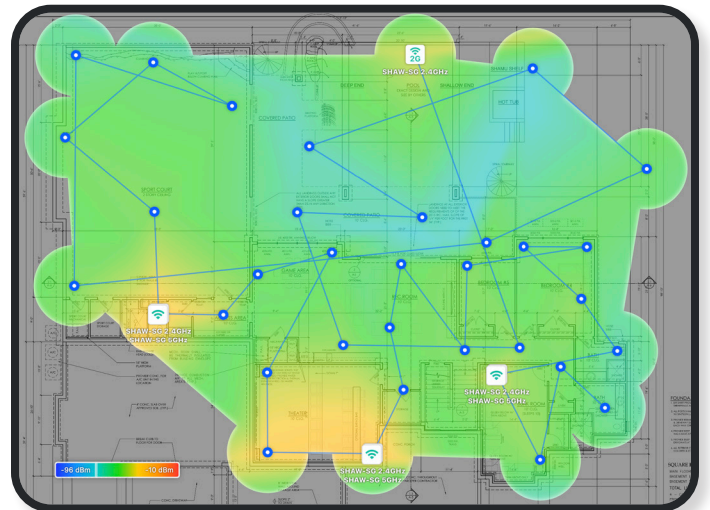
Main Area Coverage with Araknis Products



Main Area Coverage with Alta Labs Products



Basement Area Coverage with Araknis Products



Basement Area Coverage with Alta Labs Products

CASE STUDY:
RESIDENTIAL UPGRADE



AP6-Pro Outdoor Installed at Residence



AP6-Pro Installed in Home Theater

“With Alta Labs products, It takes me about 20 minutes to get a full network up and running smooth.”

- Brycen Schwiermann, Programmer, Installer, and Network Technician - Wiretech Audio Video

The Alta Labs solution was more responsive, easier to configure, deploy, and manage remotely. As illustrated in the heat maps, coverage improved substantially. Throughput now approaches 800 Mbps throughout the home. The homeowner is thrilled with the performance and is able to successfully conduct business from anywhere in his home.



AP6-Pro Installed at Residence



S24-POE Switch Installed

CASE STUDY: RESIDENTIAL UPGRADE



Network Rack with 2 S24POE Switches

Wiretech Audio Video Install Video

Watch the Wiretech Audio Video Install video by clicking [here](#) or scan the QR code below:



For More Information

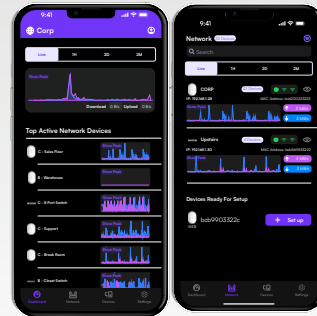


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