

CORVUS' VERDICT

CROW'S EYE · CORVUS' VERDICT

Pilchers Barbershop

Pensacola, FL · Retail / Commercial · Indoor
Diagnostic — Existing Network Issues

Report ID: OCWS-SN-PB032126

Survey Date: March 21, 2026

ACTION LEVEL: MODERATE

SIGNAL METRICS

-52 dBm

Best RSSI

2.4 GHz · CH 11

-77 dBm

Worst RSSI

2.4 GHz · CH 1

-59 dBm

5 GHz Status

CH 157 · Serviceable

7

Networks Visible

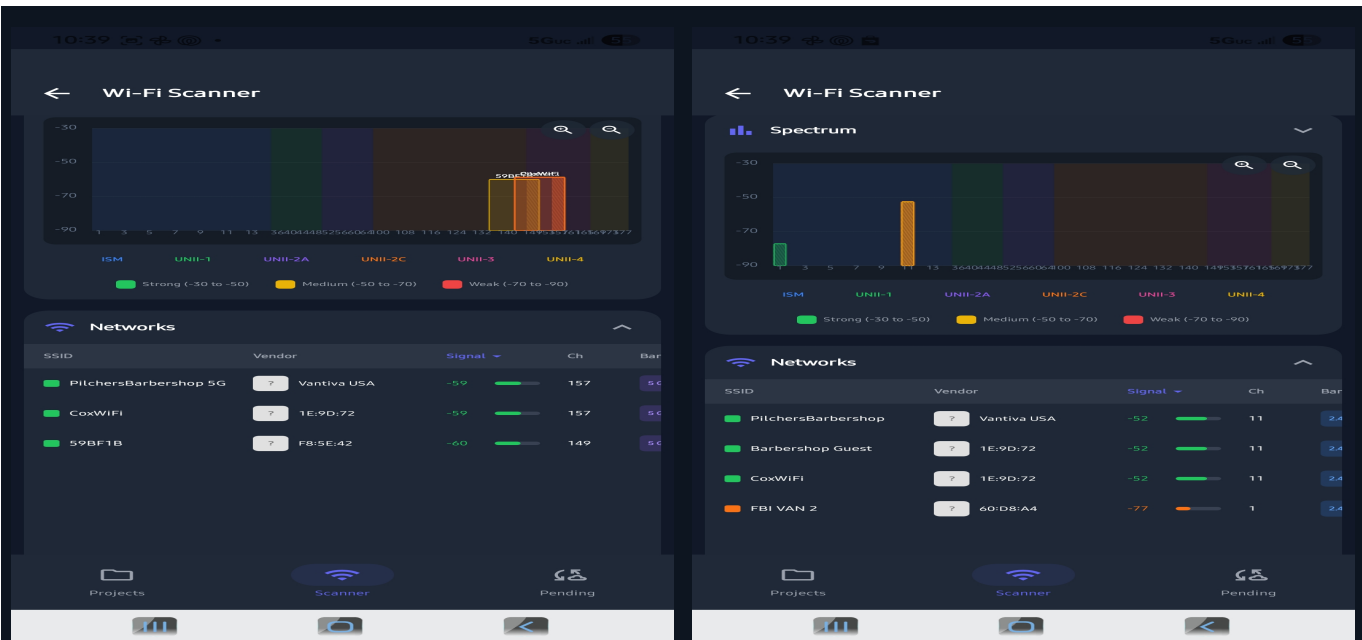
Across both bands

3

Channel Conflicts

CH 11 · 2.4 GHz

SCAN DATA — SCREENSHOTS



5 GHz Band · Channels 149 / 157

2.4 GHz Band · Channels 1 / 11

NETWORK INVENTORY

SSID	BAND	CH	RSSI	VENDOR	CLIENT?
PilchersBarbershop 5G	5 GHz	157	-59 dBm	Vantiva USA	✓ YES
PilchersBarbershop	2.4 GHz	11	-52 dBm	Vantiva USA	✓ YES
Barbershop Guest	2.4 GHz	11	-52 dBm	Vantiva USA	✓ YES

CoxWiFi	5 GHz	157	-59 dBm	1E:9D:72	NEIGHBOR
CoxWiFi	2.4 GHz	11	-52 dBm	1E:9D:72	NEIGHBOR
59BF1B	5 GHz	149	-60 dBm	F8:5E:42	NEIGHBOR
FBI VAN 2	2.4 GHz	1	-77 dBm	60:D8:A4	NEIGHBOR

■ CoxWiFi rows highlighted — public hotspot competing on client channels

CORVUS ANALYSIS

CROW'S EYE - CORVUS' VERDICT ANALYSIS

The Vantiva gateway serving Pilchers Barbershop is doing a reasonable job for what it is — both bands are active, signal strength sits in the -52 to -60 dBm range which is serviceable, and the 5 GHz side has clear channel separation from neighboring networks. The problem is not the signal level — it is the 2.4 GHz channel situation. PilchersBarbershop, Barbershop Guest, and CoxWiFi are all stacked on channel 11 at identical signal strength (-52 dBm each), meaning Cox's public hotspot is running on the same radio as your client's business and guest networks and fighting for the same airtime. On the 5 GHz side, CoxWiFi again appears on channel 157 at -59 dBm alongside PilchersBarbershop 5G — same root cause, different band. Disabling the Cox hotspot feature resolves the majority of interference immediately at zero cost. A professional on-site survey would validate channel utilization during peak business hours and confirm whether a channel move or equipment upgrade is warranted.

FINDINGS

■ CRITICAL — Cox Public Hotspot — Co-Channel Interference on 2.4 GHz CH 11

CoxWiFi is broadcasting on CH 11 at -52 dBm — identical channel and signal strength to PilchersBarbershop and Barbershop Guest. This is Cox's public Wi-Fi hotspot feature running on the client's ISP gateway, competing directly for 2.4 GHz airtime. Every Cox subscriber device in range is attempting to connect through the client's channel, reducing effective throughput for the business and guest networks.

→ **Log into the Cox gateway admin and disable the Cox Hotspot / public Wi-Fi sharing feature immediately**

■ CRITICAL — Three Networks Stacked on 2.4 GHz Channel 11

PilchersBarbershop, Barbershop Guest, and CoxWiFi are all transmitting on CH 11 at -52 dBm. Three co-channel networks at equal power creates severe contention — devices constantly defer to each other, dramatically reducing effective throughput even when signal strength appears healthy.

→ **Move PilchersBarbershop SSIDs to channel 1 or 6 after disabling Cox hotspot**

■ WARNING — CoxWiFi Present on 5 GHz Channel 157

The Cox public hotspot is also broadcasting on 5 GHz CH 157 at -59 dBm alongside PilchersBarbershop 5G at -59 dBm. Less impactful than the 2.4 GHz situation but adds unnecessary co-channel competition on the business's primary high-speed band.

→ **Resolved automatically by disabling Cox hotspot feature (same action as above)**

■ WARNING — Guest Network Competing with Business Network for Airtime

Barbershop Guest sits on the same 2.4 GHz CH 11 as the main PilchersBarbershop SSID. Customer phone traffic competes directly with POS systems and card readers for airtime. In a busy shop during peak hours this degrades transaction speed and reliability.

→ **Steer business-critical devices (POS, card readers) to 5 GHz exclusively**

■ GOOD — 5 GHz Signal Strength Acceptable for Retail Environment

PilchersBarbershop 5G reads -59 dBm on CH 157 and neighbor 59BF1B reads -60 dBm on CH 149. The 10-channel separation between 149 and 157 is appropriate — minimal adjacent-channel interference. Signal level is serviceable for the retail footprint.

■ GOOD — FBI VAN 2 — Not a Threat to Client Network

The amusingly named FBI VAN 2 reads -77 dBm on CH 1. At that signal level and on a non-overlapping channel, it has no meaningful impact on the client's network. Whoever named that router is having fun — but it's not your client's problem.

PRIORITIZED RECOMMENDATIONS

- 1 Disable Cox Public Hotspot Feature — Immediate, Zero Cost**

Log into the Cox gateway admin panel at 192.168.0.1. Navigate to Gateway > At a Glance or Wireless settings and disable the Cox Hotspot / public Wi-Fi sharing option. This single action removes the primary source of co-channel interference on both 2.4 GHz and 5 GHz simultaneously. Estimated improvement: significant throughput recovery on 2.4 GHz.
- 2 Move 2.4 GHz to Channel 1**

After disabling Cox hotspot, change the PilchersBarbershop 2.4 GHz channel from 11 to 1. Based on this scan, CH 1 is occupied only by FBI VAN 2 at -77 dBm — effectively clean. This gives the barbershop's 2.4 GHz radio an uncontested channel for the first time.
- 3 Dedicate 5 GHz to POS and Card Readers**

Connect all POS terminals, card readers, and business-critical devices to PilchersBarbershop 5G exclusively. Keep the 2.4 GHz band for customer device connections. This eliminates contention between revenue-critical hardware and customer browsing traffic.

4 Evaluate Vantiva Gateway Replacement

The Vantiva unit is an ISP combo gateway with limited radio management capability. A dedicated access point — such as a Ubiquiti UniFi AP, TP-Link EAP series, or Eero Pro — would provide band steering, client isolation between business and guest networks, channel lock, and real-time traffic monitoring. Estimated cost: \$99–\$249 hardware.

5 Schedule Full OCWS Pro Survey for Certified Validation

This Verdict is based on scan data from one location. A full OCWS certified walk survey maps signal across every square foot of the shop, validates coverage at each chair and the POS counter, measures actual channel utilization during peak hours (Friday afternoon), and delivers a signed remediation report suitable for vendor quotes or landlord documentation.

**OCWS
CERTIFIED**



Joshua Turner

Managing Member · Old Crows Wireless Solutions

U.S. Navy CTT (EW) · Active Duty · 17 Years Service · Retiring Oct 2028

Corvus' Verdict rendered by Crow's Eye · Certified by Joshua Turner · March 21, 2026

Want the full picture? Corvus rendered this Verdict from a single scan location. An OCWS Pro certified walk survey maps every square foot of signal, validates performance at every workstation, and delivers a signed report valid for compliance, insurance, or vendor documentation. Request a Pro Survey at oldcrowswireless.com - \$750

This Corvus' Verdict was rendered by Crow's Eye and reviewed by Joshua Turner, Managing Member of Old Crows Wireless Solutions. Findings are based on passive Wi-Fi scan data collected at a single point in time and location. Signal conditions may vary by time of day, occupancy, and environmental factors. This document is confidential and intended solely for the named client. © 2026 Old Crows Wireless Solutions · oldcrowswireless.com · Pensacola, FL