



emfcheck.com

Full Report

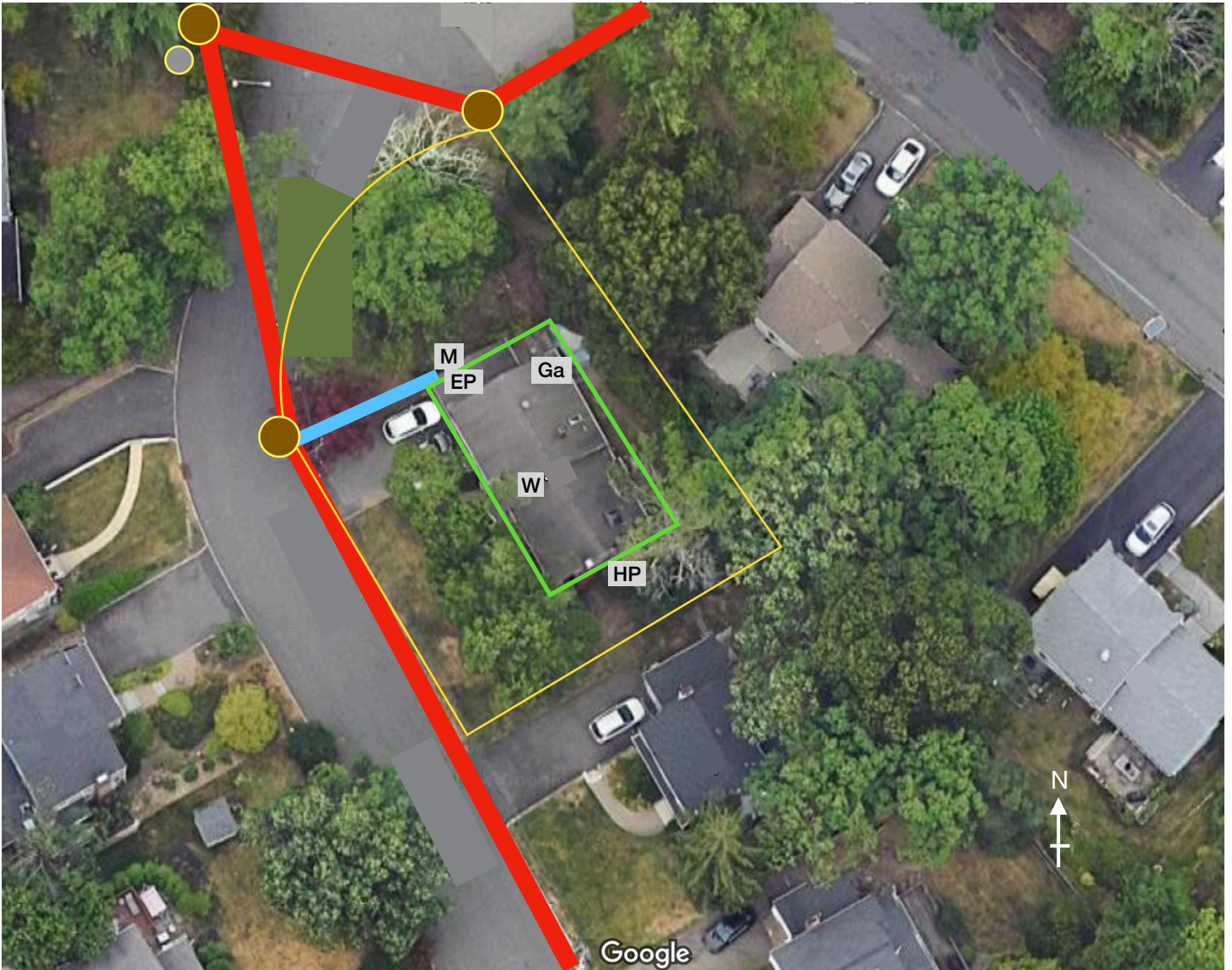
Appendix

Sample

**EMF Inspection, observations
and recommendations**

Part 2

Property Overview



Key	
Yellow line	Approximate property line
Green line	House Area outline
Red line	Local distribution line, above ground
Blue line	Service Drop, above ground
M	Utility Meter
Brown circle	Utility Pole
Grey circle	Transformer
W	Water meter
Ge	Generator
EP	Electric Panel
Ga	Gas meter
HP	Heat Pump

Antennasearch.com Results (date)

- = Various types of antennas
- = Various types of towers
- ⊗ = Home Location

Closest antennas in a 3 mile radius

- Verizon 0.3 miles away
- AT&T 0.9 miles away
- Sprint 1.2 miles away

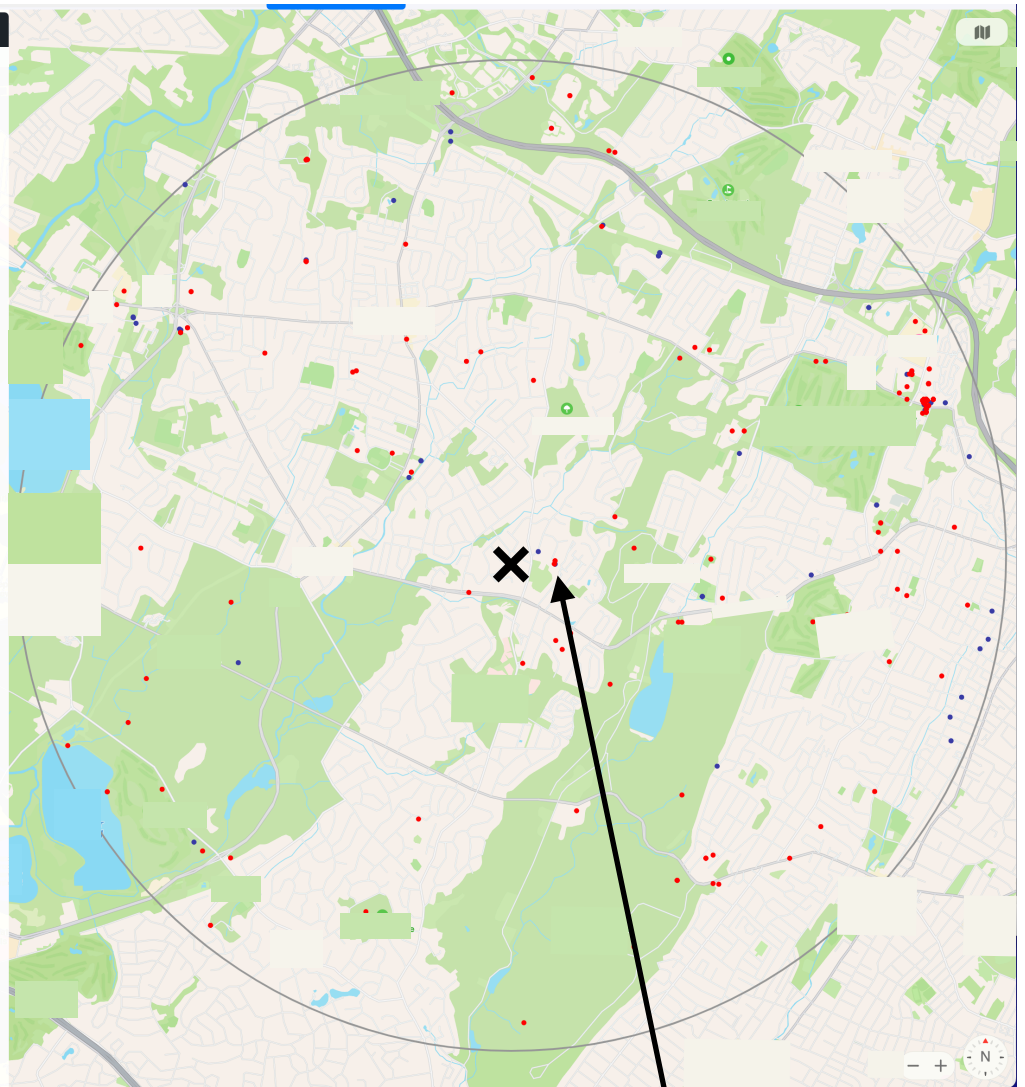
Results Summary

88 towers and 340 antennas within a 3.0 mile radius

	2.7 mi
	2.7 mi
110	2.7 mi
	2.7 mi
111	2.7 mi
	2.7 mi
112	2.8 mi
	2.8 mi

Single Antennas

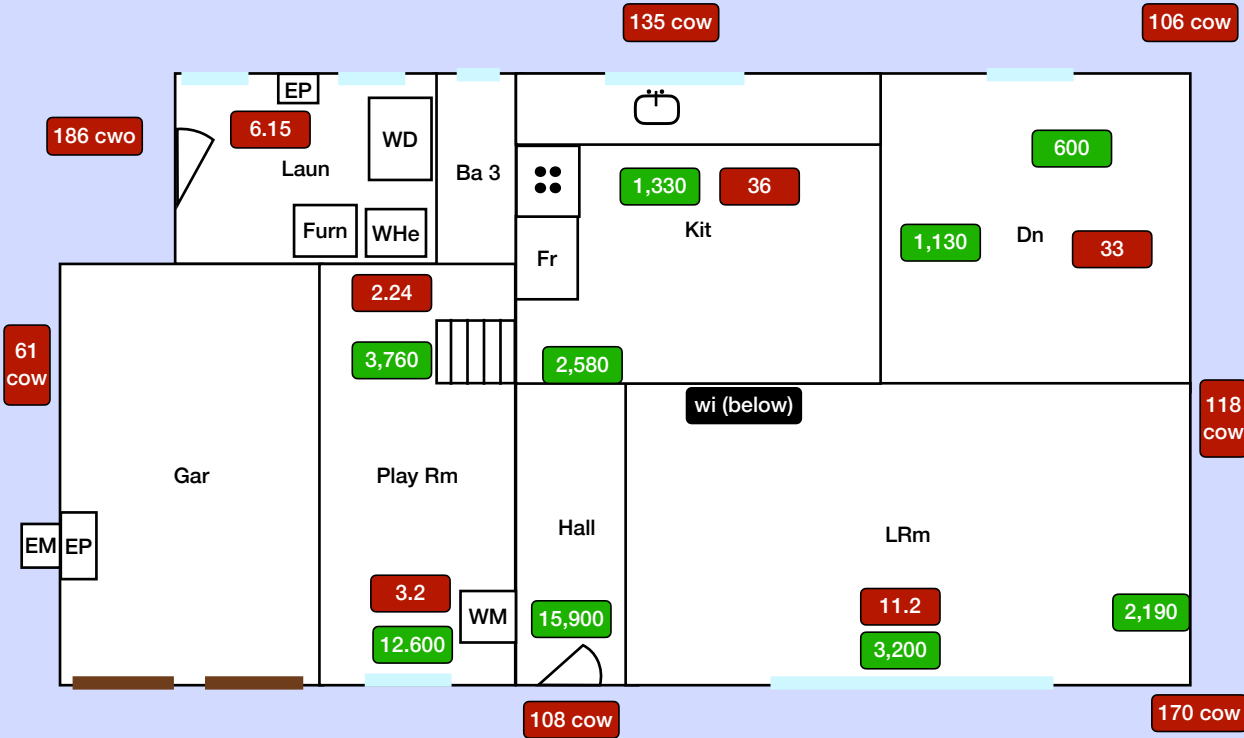
ID	Carrier/Owner	Distance
113	Verizon	0.3 mi
114		0.3 mi
115		0.3 mi
116		0.3 mi
117		0.3 mi
118		0.6 mi
119		0.6 mi
120		0.6 mi
121		0.7 mi
122		0.7 mi
123		0.8 mi
124		0.8 mi
125		0.8 mi



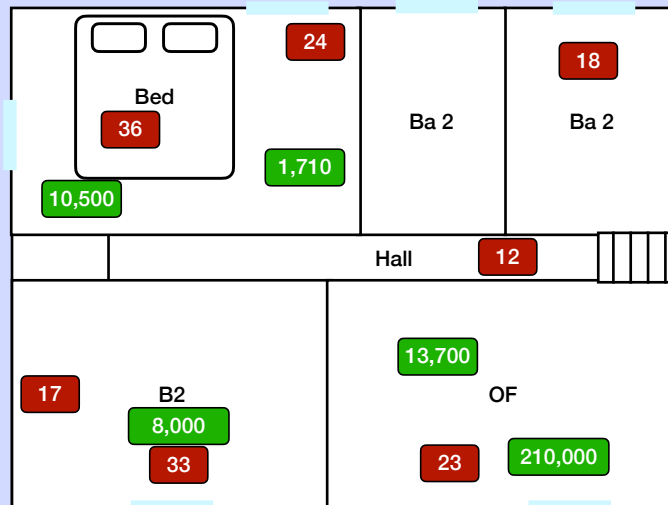
Verizon
0.3 miles
Water Tower

RF Microwaves Power Density
 in microwatts per square meter, $\mu\text{W}/\text{m}^2$
 Instrument: Safe and Sound Pro II
General Location Details

Level 1



Level 2



183 cwo

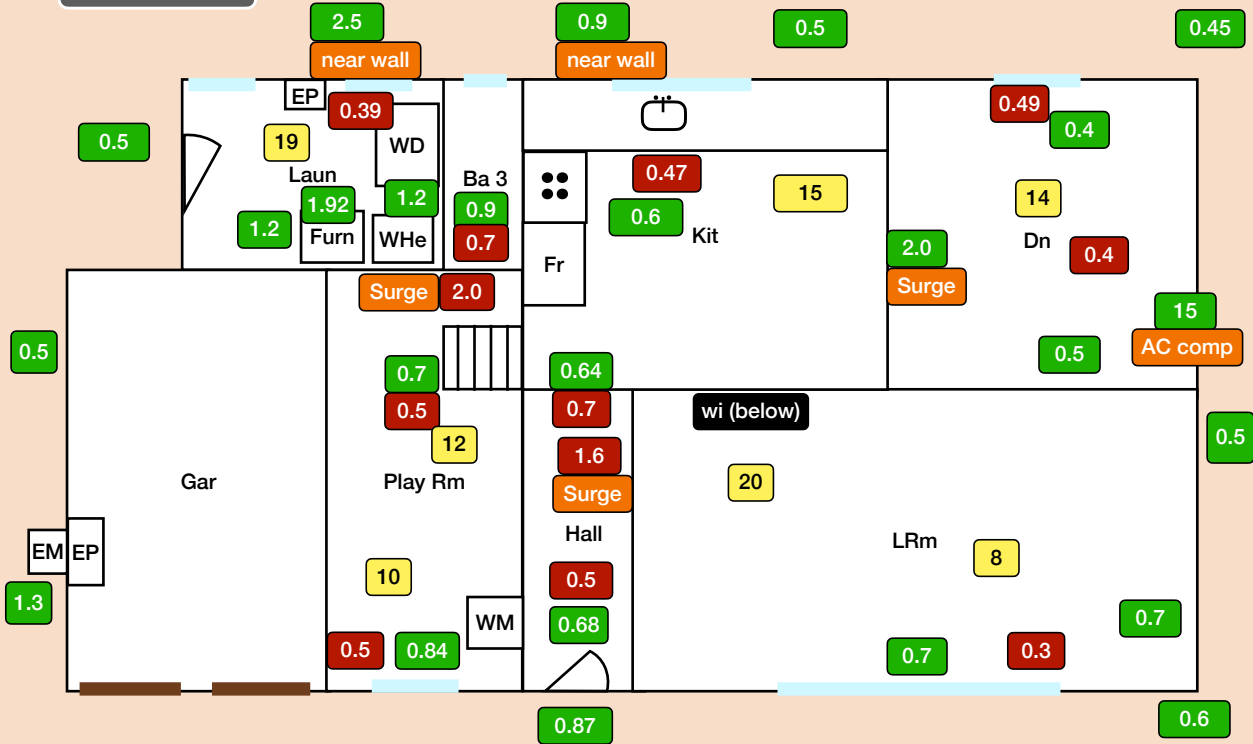
Distribution Power Line

KEY

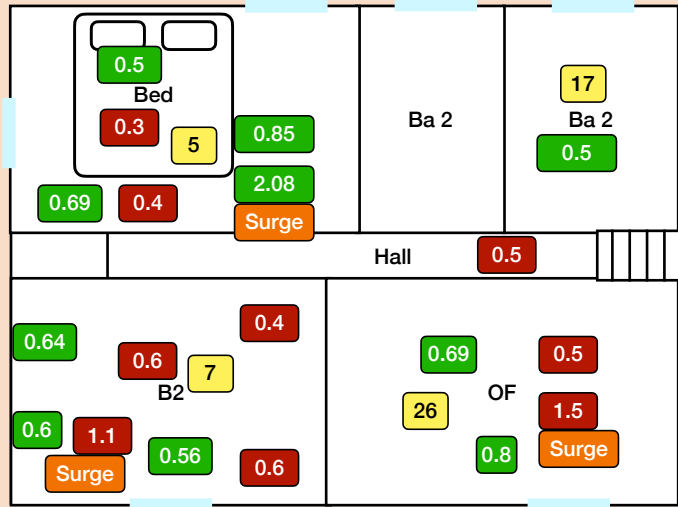
Green	Internal sources On
Red	Internal sources Off
Yellow	Electric Field
Orange	Explanation
F	Floor
C	Ceiling
—	Electric Supply
EP	Electric Panel
EM	Electric Meter
WM	Water Meter
GM	Gas Meter
Cp	Compressor
Kit	Kitchen
Dn	Dining Room
LRm	Living Room
GrRm	Great Room
OF	Office
B1,2,3...	Bedroom 1,2,3...
MB	Master Bedroom
MBa	Master Bathroom
Ba1,2...	Bathroom 1,2,3...
Lng	Lounge
Stdy	Study
CL	Closet
Fr	Fridge
Ov	Oven
AC	AC unit
Laun	Laundry room
Gar	Garage
WS	Wood Stove
WHe	Water Heater Elec.
WHg	Water Heater Gas
Ch	Chimney
—	Water Radiator
—	Electric bb heat
—	Window
→	Source direction
✕	Location Marker
md	Modem
wd	Wireless Device
wi	WiFi
Source ID, noted in order of signal strength	
c	Cell Tower signal
sm	Smart Meter pulse
o	other signal
w	WiFi signal

AC Magnetic Field Strength in milligauss, mG
AC Electric Field Strength in volts per meter, V/m
 3D measurement take at waist level, unless otherwise noted
General Location Details

Level 1



Level 2

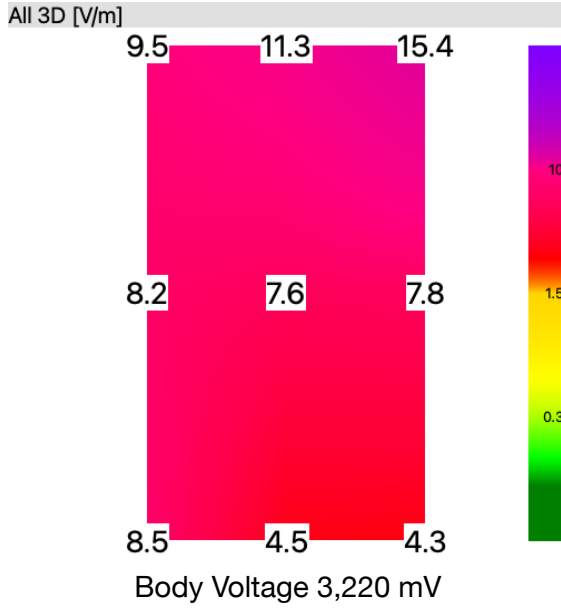


1.37 1.19 Distribution Power Line

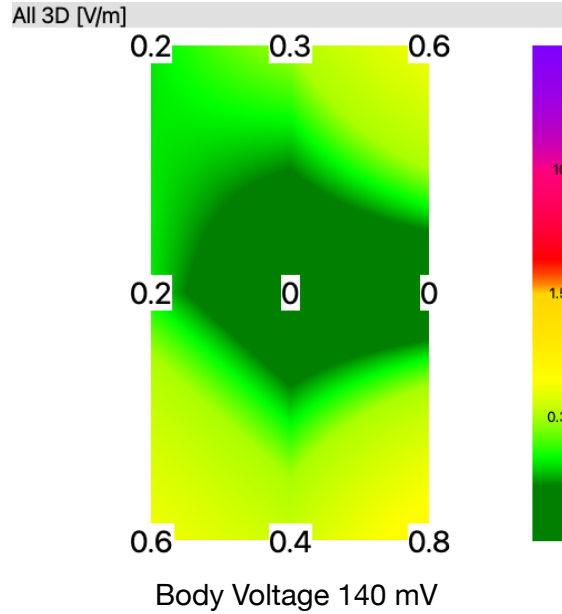
KEY	
Green	Internal sources On
Red	Internal sources Off
Yellow	Electric Field
Orange	Explanation
F	Floor
C	Ceiling
—	Electric Supply
EP	Electric Panel
EM	Electric Meter
WM	Water Meter
GM	Gas Meter
Cp	Compressor
Kit	Kitchen
Dn	Dining Room
LRm	Living Room
GrRm	Great Room
OF	Office
B1,2,3...	Bedroom 1,2,3...
MB	Master Bedroom
MBa	Master Bathroom
Ba1,2,3...	Bathroom 1,2,3...
Lng	Lounge
Stdy	Study
CL	Closet
Fr	Fridge
Ov	Oven
AC	AC unit
Laun	Laundry room
Gar	Garage
WS	Wood Stove
WHe	Water Heater Elec.
WHg	Water Heater Gas
Ch	Chimney
—	Water Radiator
—	Electric bb heat
—	Window
→	Source direction
✕	Location Marker
md	Modem
wd	Wireless Device
wi	WiFi
Source ID, noted in order of signal strength	
c	Cell Tower signal
sm	Smart Meter pulse
o	other signal
w	WiFi signal

EF Bed Maps

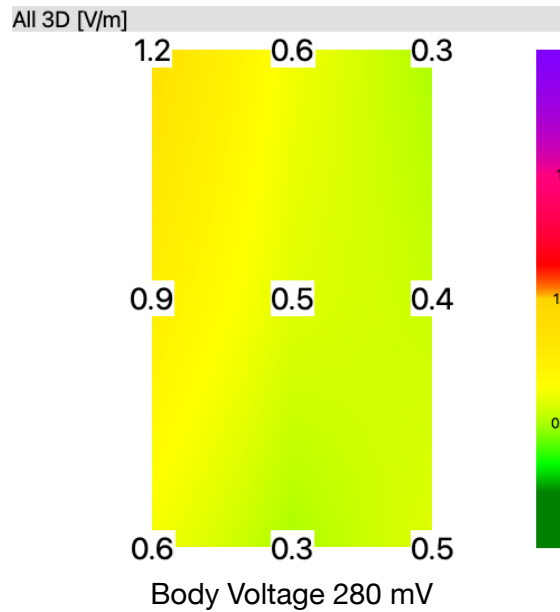
**Main Bed
 All Circuits ON**



**Main Bed
 Circuits 8, 10, 12 OFF**



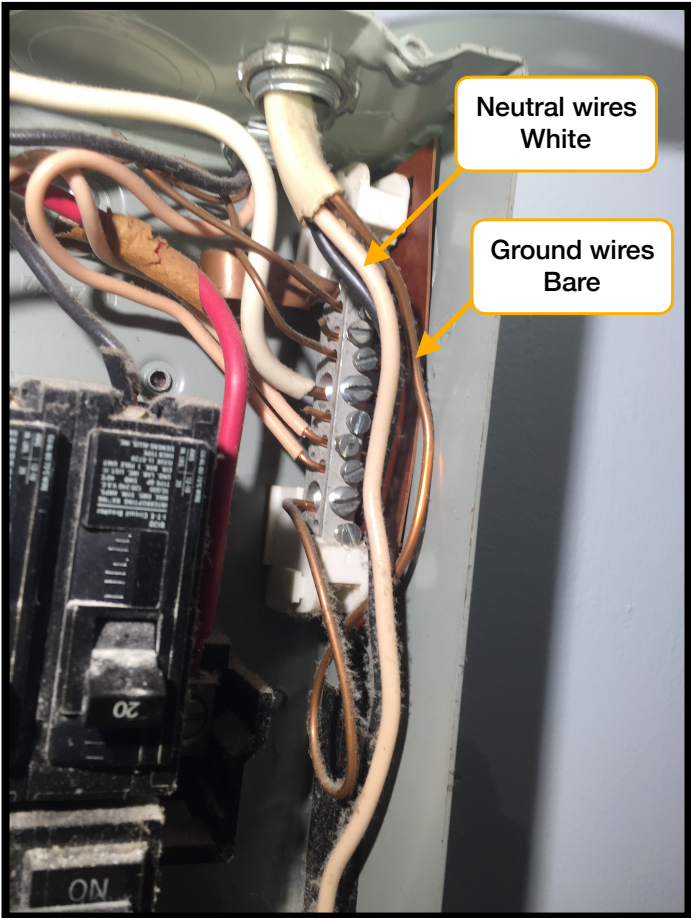
**Child's Bed
 Circuits 2,4,8,10 OFF**



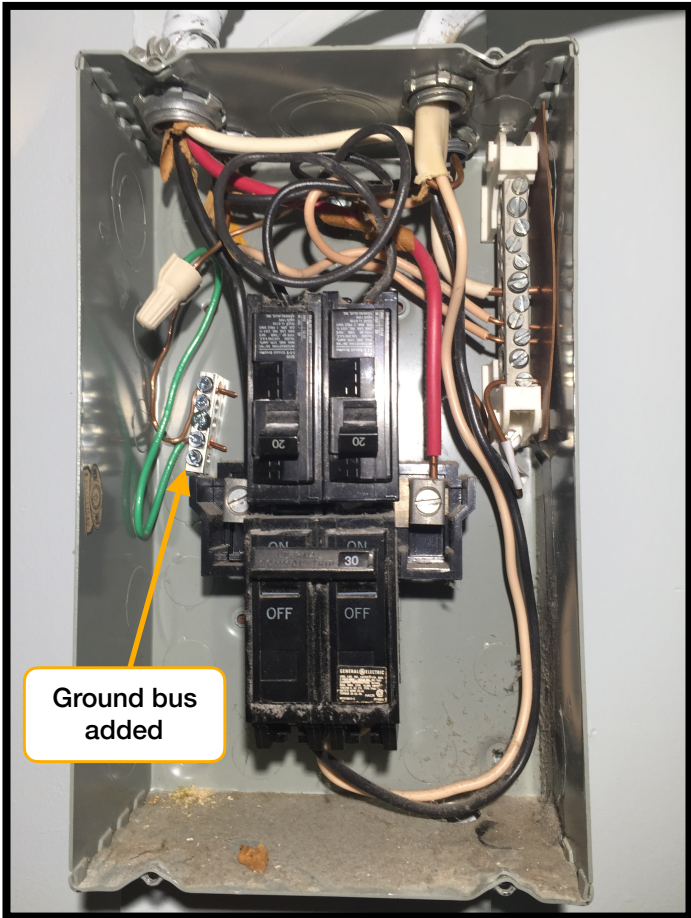
Wiring error found in sub panel
Neutral and ground wires were commingled
This created elevated AC magnetic fields in the home
when the HVAC unit was running



Sub Panel
Neutral and ground wires must remain separate
Electric code violation



Before: Neutral wires and ground wires are on the same bus bar



After: A ground bus was added and the neutral bus was isolated from the panel

Current on the HVAC pipes
Caused by a neutral to ground connection in the sub panel
Resolved after wiring was corrected



Before: 1.29 amps



After: 0.063 amps



Before: 1.83 amps



After: 0.101 amps