Experience Illuminate EMF
A Preview of What's Possible

This automated report, generated and exported from the illuminate EMF web application, demonstrates how the Illuminate EMF Reporting App transforms field measurements into clear, actionable insights. The callouts highlight selected features available in the full version, including dynamic EMF mapping, data visualization, and customizable reporting tools.

Create an account to unlock full access and begin generating professional-grade EMF reports tailored to your environment.

A Modern Approach to EMF Surveys

The Illuminate EMF Reporting App makes understanding EMF exposure as simple as 1-2-3. Automatically generate professional, print-ready reports from your own field data and spatial layouts, turning complex EMF readings into clear insights that reveal exposure patterns, potential health impacts, and remediation priorities.

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Personalized Title Page

Home Evaluation Report

Survey Name: ‘Your Name Here’

Survey Results

Measuring Technicians: 'Enter Technician Name'

Survey Date: ‘Your Date Here’

Prepared by: 'Enter Name'

Prepared For: 'Enter Name'

Address: 'Enter Address'

'Enter Address'

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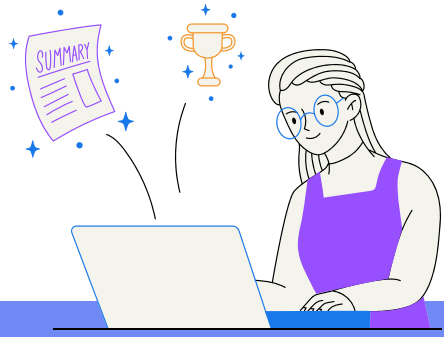

Craft your Introduction

The first major section of the report - create your own message using html tags or simple text.

Floor Plan EMR Survey

This survey demonstrates the result of creating a report for an entire floor plan. In this example, we used our manual entry spreadsheet to capture the data using a TriField Meter. You can download an empty manual entry spreadsheet using the link in the "Create Survey" item 3 . See the README tab in the spreadsheet which explains each column definition and thresholds.

In this example, we captured electrical and magnetic emissions for each breaker individually. The preferences saved show the critical issue found: with only one breaker powered on, many outlets and switches in the house - unassociated with that breaker - measured well above an acceptable level.

Using our manual entry format enables data filtering. Data filtering can be very useful for showing data related to a specific characteristic or environmental setting (such as breaker on/off; wifi on/off; outlet fault; etc). This format requires you to specify the spot number on each data row, so there is no need to enter a date and time.

You can use any meter to capture the data, and even copy data from multiple data files into this data file to further your analysis capabilities.

The following emission types are available to be processed:
Radio Frequency (mW/m²)
Radio Frequency (µW/m²)
AC Magnetic Standard (mG)
AC Magnetic Weighted (mG)
AC Electric Standard (V/m - Potential Free)
AC Electric Standard (V/m - Grounded Potential)
AC Electric Weighted (V/m - Potential Free)
AC Electric Weighted (V/m - Grounded Potential)
Net Current on Water Pipes (A)
Net Current on Service Drop (A)
Body Voltage (mV)
Static Magnetic Deviation (°)
Future upgrade plans include adding new emission units such as nT, dBm and V/div.

Many emission types available with more coming soon!

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Total Burden from Electromagnetic Emissions

Visualize complex environments

The built in Total Burden analysis shows the combined impact of selected fields at a glance for a true “big picture” of EMF exposure in your space.

Total Burden Best/Worst Spot

Combined Best Spot: 21

Your reading places you into the low range. While some small improvements might be possible, there’s generally no strong concern here.

Combined Worst Spot: 66

Your reading places you significantly above the extreme threshold. This level is very concerning, and immediate steps should be taken to reduce EMF exposure.

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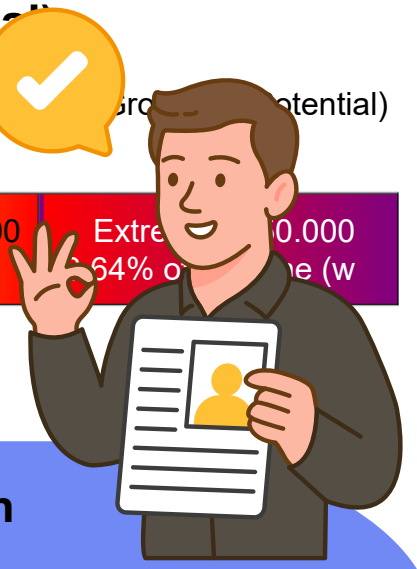
AC Electric Standard (V/m - Grounded Potenti

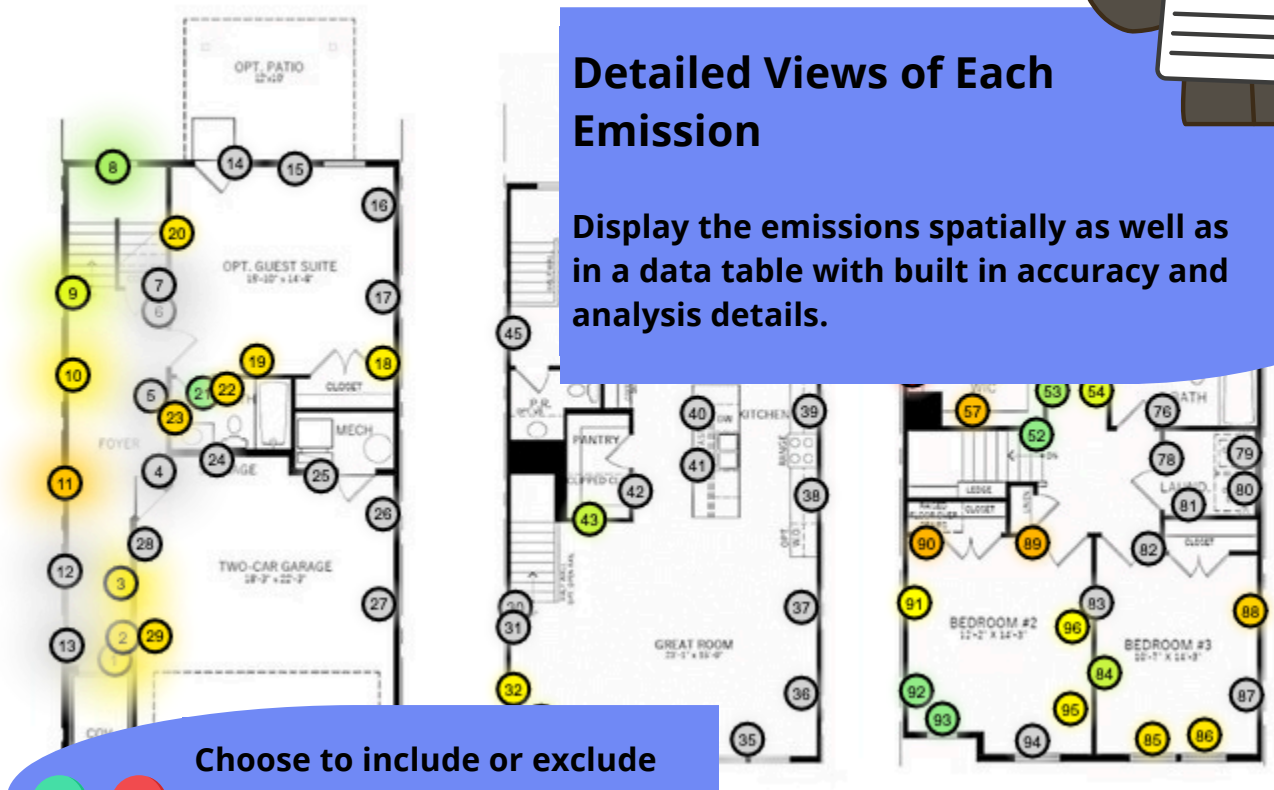
AC Electric Standard (V/m - Grounded Potential) AC Electric Standar rou tential)

Thresholdsin Volts pe rmeter:

No Concern: < 1.000	Slight: 1.000 < 5.000	Severe: 5.000 - 50.000	Extre 0.000
1.82% of the time (w	34.55% of the time (	60.00% of the time (	64% o e (w

Max Emissions | Min Emissions | Average Emissions





Detailed Views of Each Emission

Display the emissions spatially as well as in a data table with built in accuracy and analysis details.

Choose to include or exclude detailed value tables in the final report view

AC Electric Standard (V/m - Grounded Potential)

Spot (# of measurements)	Min	Avg	Max	Standard Deviation	Median	Median Absolute Deviation
1 (1) 2 (1)	6.000 V/m	**6.000 V/m**	6.000 V/m	0.000 V/m	6.000 V/m	0.000 V/m
3 (1) 4 (0)	10.000 V/m	**10.000 V/m**	10.000 V/m	0.000 V/m	10.000 V/m	0.000 V/m
	8.000 V/m	**8.000 V/m**	8.000 V/m	0.000 V/m	8.000 V/m	0.000 V/m
	No Data	**No Data**	No Data	No Data	No Data	No Data

Make the Health Connection

Health effects are organized by emission type (RF, electric, magnetic) and emission thresholds calculated within the report. Studies are linked to peer-reviewed scientific studies- helping your clients understand how EMF exposure could be affecting their well-being.

EMF Emissions and Your Health AC Electric Fields:

Electric Fields and Your Health: What Levels Are Safe?

Electric fields, measured in volts per meter (V/m), are a common byproduct of modern living. They are emitted by household wiring, appliances, and electronic devices. While often unnoticed, even low- level electric fields can interact with our bodies, influencing cellular processes and potentially contributing to health concerns over time. This guide breaks down electric field thresholds, from no concern to extreme concern, and explores the potential biological and health effects associated with each exposure level.

Your Exposure Levels

ACElectricStandard(V/m - GroundedPotential)
Thresholds in Volts per meter:

AC Electric Standard (V/m - Grounded Potential)

No Concern: 1.82% (within the dataset)	Slight: 34.55% of th (within the dataset)	Severe: 60.00% of t (within the dataset)	Extreme: 3.64% of t (within the dataset)

ACElectricWeighted(V/m - GroundedPotential)
Thresholds in Volts per meter:

AC Electric Weighted (V/m - Grounded Potential)

No Concern: 1.82% (within the dataset)	Slight: 16.36% of th (within the dataset)	Severe: 80.00% of t (within the dataset)	Extreme: 1.82% of t (within the dataset)

No Concern – Healthy Environment

- **[No Concern]** Exposure is negligible and not linked to measurable health impact.
- **Recommendation:** This is considered a healthy living environment, particularly beneficial for sensitive individuals (e.g., children or those with electromagnetic hypersensitivity).
- **Action:** No remediation or action required.

Slight – Mild Sensitivity Effects Possible

- **[Slight]** May not cause symptoms in th
  experience:
  - Fatigue
  - Mild headaches
  - Difficulty concentrating
  -

Integrated library of health effects correlated with your report's measured data.

Techniques to Reduce Your Exposure to EMF/RF Emissions in this area

In this section you are able to describe remediation recommendations specific to your customer or environment.

Personalize the content to best communicate and prioritize **key issues and actions**, such as:

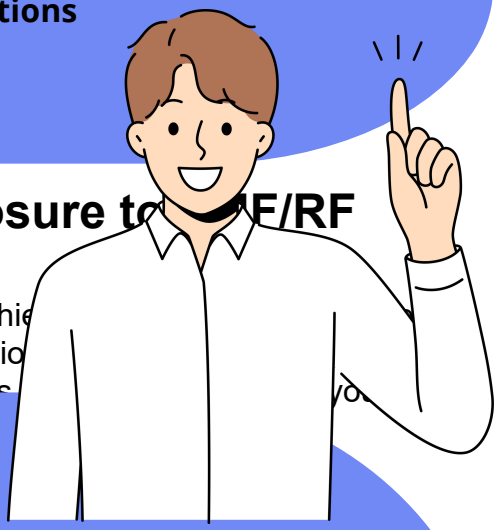
- Which breakers to turn off when sleeping
- How to mitigate specific wireless devices impacting
- Any outlets that have faults
- Where to use remote outlets

Summarize next actions, such as:

- Follow up consultation appointment information
- Contractor contact information who are able to per
- See our recommended products to simplify the ord

Define Next Steps

Personalize your remediation recommendations



Standard Techniques to Reduce Your Exposure to F/RF Emissions

Reducing exposure to high EMF/RF emissions is essential for a healthie these techniques are effective for general use, hiring an EMR professio remediation recommendations for your home. Some EMF/EMR issues yo walls, require in-depth investigation to d

General Tips for Reducing EMF

Built in Remediation Techniques

Organized by general techniques used in any area, as well as common remediation organized by room type: bedroom, living areas, laundry areas, charging areas and home office.

- Increase Distance:
  - Keep a distance of at least 6 extend that far. Magnetic fiel
- Unplug Unused Devices:
  - Many appliances and device powered off. Use remote out
- Remove Extension Cords:
  - Avoid placing extension cord
- Check Adjacent Rooms:
  - Ensure beds, couches, and adjacent rooms, including th

Specific Recommendations by Room or Area

- Bedrooms
  - Breaker Box:
    - If your breaker box is near your living space, distance your bed from it, as it emits high electric and magnetic fields.
  - TVs and Devices:
    - Unplug TVs during sleep hours, as they often remain connected to Wi-Fi and Bluetooth, increasing RF exposure.

Glossary

🧭What Is"Total Burden"?

Total Burden is a way of summarizing the combined impact of vario) readings at a single location (or **spot**).

Imagine you're checking several different types of EMF sources — lik ds, and radio frequencies — in one pla f looking at each number separately that tells us *how much overall EMF acti*

🟣How Total Burden Coloring W

The colors represent how intense t readings together.

- 💚**Green** — Very low total b
- 💛**Yellow** — Moderately ele
- **Red** — High burden
- 🟣**Purple** — Extremely high

Library of standard terms

Our Glossary extends to common terms describing the home electrical system, EMF testing equipment, building features, wireless technology, health and safety, remediation tools and data analysis.

💡Why This Is Helpful

This method gives you a **big-picture view** of how EMF exposure is distributed across your space. Instead of having to interpret multiple separate readings, the **Total Burden** helps you:

- Compare different locations easily. Identify
- hotspots of higher combined exposure. Decide
- where to take action first.

General Terms

- EMF (Electromagnetic Field)- Invisible energy fields generated by electrical devices, power lines, and wireless communication systems.
- RF (Radio Frequency)- A type of electromagnetic wave used in wireless communication, including cell phones, Wi-Fi, and Bluetooth.
- Dirty Electricity- High-frequency noise or distortions on standard electrical wiring that can result from electronics or dimmer switches.
- EHS (Electromagnetic Hypersensitivity)- A condition where individuals report adverse symptoms attributed to EMF/RF exposure.
- Remediation- The process of reducing or mitigating EMF/RF exposure in an environment.
- Total Burden- Total Burden is a way of summarizing the combined impact of various electromagnetic field (EMF) readings at a single location (or spot.

Experience Illuminate EMF

Define your data filters

Reset Filters | Apply Filters

Date and Time: Select Filter

Breaker: Main Panel Br1 - Be

Room: Select Filter

item: Select Filter

pwrd on: n

plumbing/other: Select Filter

O/S: Outlet

Customize to Analyze -

Create your own manual data sheet columns that can be used to quickly filter data displayed in views and reports.

Select Fields to Calculate Total Burden:

Recalculate

- [ ] AC Magnetic Standard (mG) — avg
- [ ] AC Electric Standard (V/m - Grounded Potent
- [ ] AC Magnetic Weighted (mG) — avg
- [x] AC Electric Weighted (V/m - Grounded Poten

Configure Calculations

Total Burden calculation can be configured to further refine your analysis and report detail needs.

Select Fields to Include in Report:

Show / Hide Fields

- [x] AC Magnetic Standard (mG)
- [x] AC Electric Standard (V/m - Grounded Potentia
- [x] AC Magnetic Weighted (mG)
- [x] AC Electric Weighted (V/m - Grounded Potential)

Select Emissions

Choose what emissions to include in the printed report.