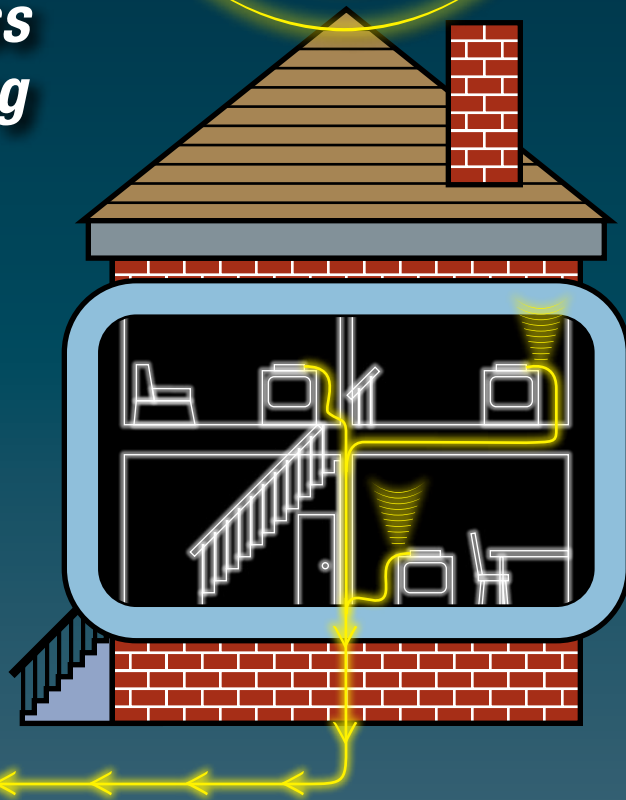


# QUALIFIER™ X·RAY



**Take the  
Guesswork  
out of  
Ingress  
Testing**



- **Full Proof Ingress Testing for Better Home Qualification**
- **Reduces Return Service Calls**
- **Non-Intrusive - No Home Entry Needed**
- **Powerful Troubleshooting Tool**
- **Transmitter Unit Compatible with ComSonics Companion™**

Qualifier™ X-Ray takes the guesswork out of ingress testing by proactively finding intermittent noise problems – thus reducing the potential for return service calls.



**ComSonics®**



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**Qualifier X-Ray's straightforward design couldn't be simpler.**

**Step 1:** Press the Transmitter POWER-ON Button to Activate the Source Signal.

**Step 2:** Connect Hand Held Unit to Residential Side of Ground Block.

**Step 3:** Push the Blue Button on the Hand Held Unit to Initiate Reading.

**Step 4:** Hand Held device indicates a Pass/Fail along with the Ingress Integrity measurement

- **Non-Intrusive:** X-Ray can accurately determine if a home has an ingress issue without ever entering the home
- **Reduces Return Service Calls:** X-Ray employs a superior one-time test methodology and finds intermittent problems that can be missed using traditional test methods.
- **Powerful Troubleshooting Tool:** X-Ray has been proven to find problematic ingress points in the network that are difficult to find
- **Extremely Small and Lightweight**
- **Simple, Quick, and Easy:** X-Ray is so easy to use – a single button push is all it takes
- **Shielding Integrity Reading:** Enables detection in the range of 80 dB (very good) to 25 dB (very poor).
- **PASS / FAIL Function:** Based on user settable thresholds.
- **X-Ray Transmitter Unit Compatible with ComSonics Companion™**

**FCC License Requirement**

An FCC license is required to operate the Qualifier X-Ray System, specifically the vehicle mount transmitter device (VMD).

Refer to the Qualifier Transmitter Licensing section on our website at <http://www.comsonics.com/downloads.html> for application instructions and templates.

**SPECIFICATIONS:**

**Hand Held Device (HHD)**

<b>Operational Control</b>	Single Button
<b>Input Frequency Range</b>	27.45 to 27.49 MHz
<b>Input Level Range</b>	-30 to +30 dBmV
<b>Integrity Measurement Range</b>	25 to 80 dB (shielding effectiveness)
<b>Accuracy</b>	± 2.0 dB (input level to converted reading)
<b>Threshold Function Range</b>	25 to 79 dB (user selectable, 80 disable)
<b>Power Source</b>	AAA Alkaline x 3 cells
<b>Custom Display</b>	1.2" x 1.5" (30 mm x 39 mm), with backlight
<b>Auto Power Off</b>	16 seconds
<b>Size</b>	5.5" x 2.5" x 1.75" (140mm x 64mm x 44 mm)
<b>Weight</b>	0.5 lbs (0.23 kg)
<b>Operating Temperature</b>	0°F to 120°F (-18°C to 49°C)
<b>Storage Temperature</b>	-20°F to 150°F (-29°C to 66°C)
<b>Humidity</b>	0 ~ 95% non-condensing

**Vehicle Mount Device (VMD) (FCC license required)**

<b>Output Frequency (User Selectable)</b>	27.45 MHz, 27.47 MHz*, or 27.49 MHz
<b>Output Power</b>	5 Watts, EIRP
<b>User Controls</b>	Power On/Off and Test/Output Frequency
<b>Indicators</b>	Standby, Power, Receive, and Transmit
<b>Power Source</b>	12 VDC negative ground, < 12 Watts
<b>Size</b>	6" x 3.5" x 1" (150 mm x 90 mm x 26 mm), excluding protrusions
<b>Mounting</b>	Fixed
<b>Operating Temperature</b>	0°F to 140°F (-18°C to 60°C)
<b>Storage Temperature</b>	-20°F to 150°F (-29°C to 66°C)
<b>Humidity</b>	0 ~ 95% non-condensing

\* Factory Default Setting

