



Getting Started with AQUASCAN TM2/620L

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1 Indications for Use

It is essential to read the operating instructions carefully and completely before using the first time the equipment and software. They contain important information on safety, installation and use. Keep these instructions in a safe place.

1.1 Symbols

	Warning of dangerous situations that can cause injury and damage to the devices.
	Warning People with cardiac pacemakers and implanted defibrillators are not permitted anywhere near this product.
	Important notes and tips are a sign Info provided. Follow these guidelines.
	Never put in your household waste bin.

1.2 Safety

 The operating and maintenance personnel must read the instructions carefully before using the equipment. Knowing all the information contained therein - in particular the warning and safety instructions - is needed to safely operate the equipment, and to protect yourself and others against possible dangers. Ignoring the warning, safety and operating instructions can result in injury, damage, or a considerable shortening of the equipment life time. Do not make any changes or alterations to our products. Never open the device, otherwise any warranty and conformity expires. For questions concerning replacing the battery, please contact your Gutermann distributor. When using the software or the equipment, make sure you adhere to any applicable regulations, in particular traffic regulations.

1.3 Warning

 The AQUASCAN sensor contains a very powerful magnet. The operation of cardiac pacemakers and implanted defibrillators can be influenced. People with cardiac pacemakers and implanted defibrillators are not permitted anywhere near this product.

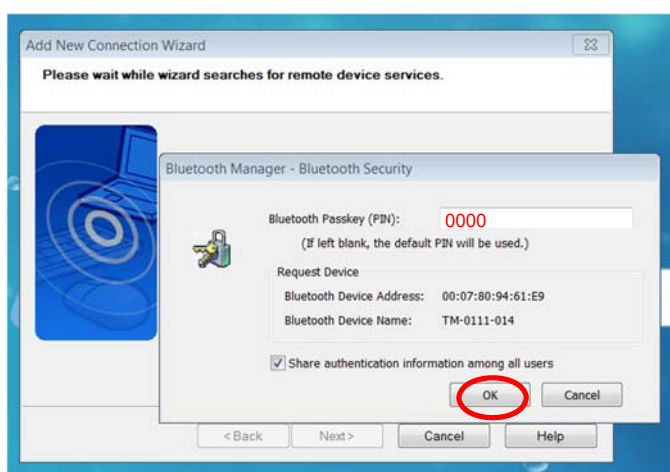
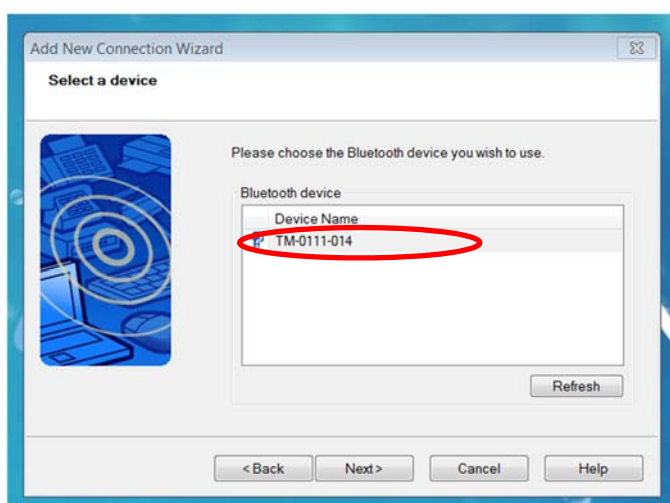
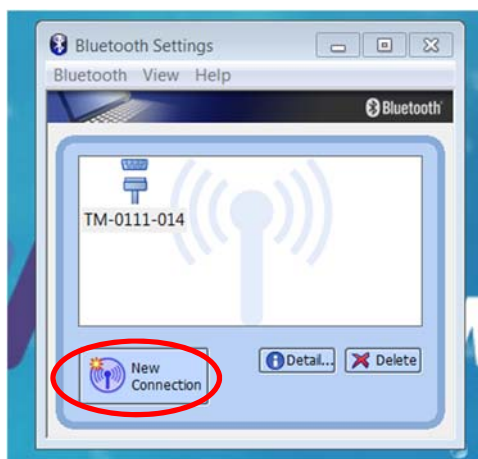
1.4 Intended Use

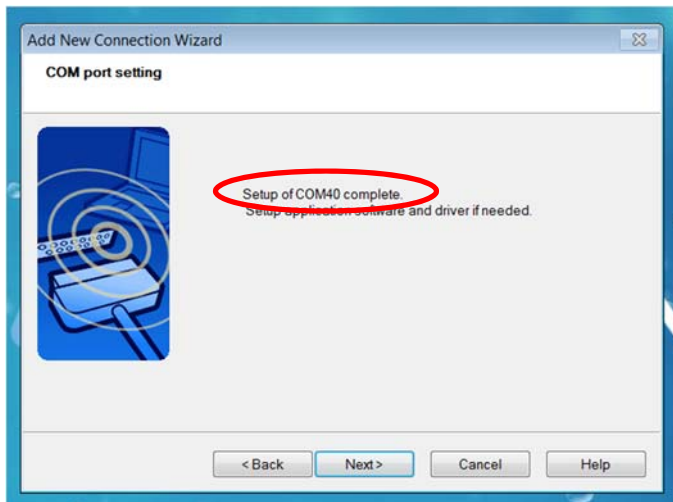
AQUASCAN products, hardware, software, and accessories are exclusively intended for industrial use and exclusively intended for leak detection on water pipes of the public water supply. In particular, these products are not intended to be used on waste water and gas pipes. Gutermann Technology GmbH is not liable for any damages caused by misuse, improper operation, and as a result of non-compliance with safety instructions and warnings.

2 Bluetooth Connection

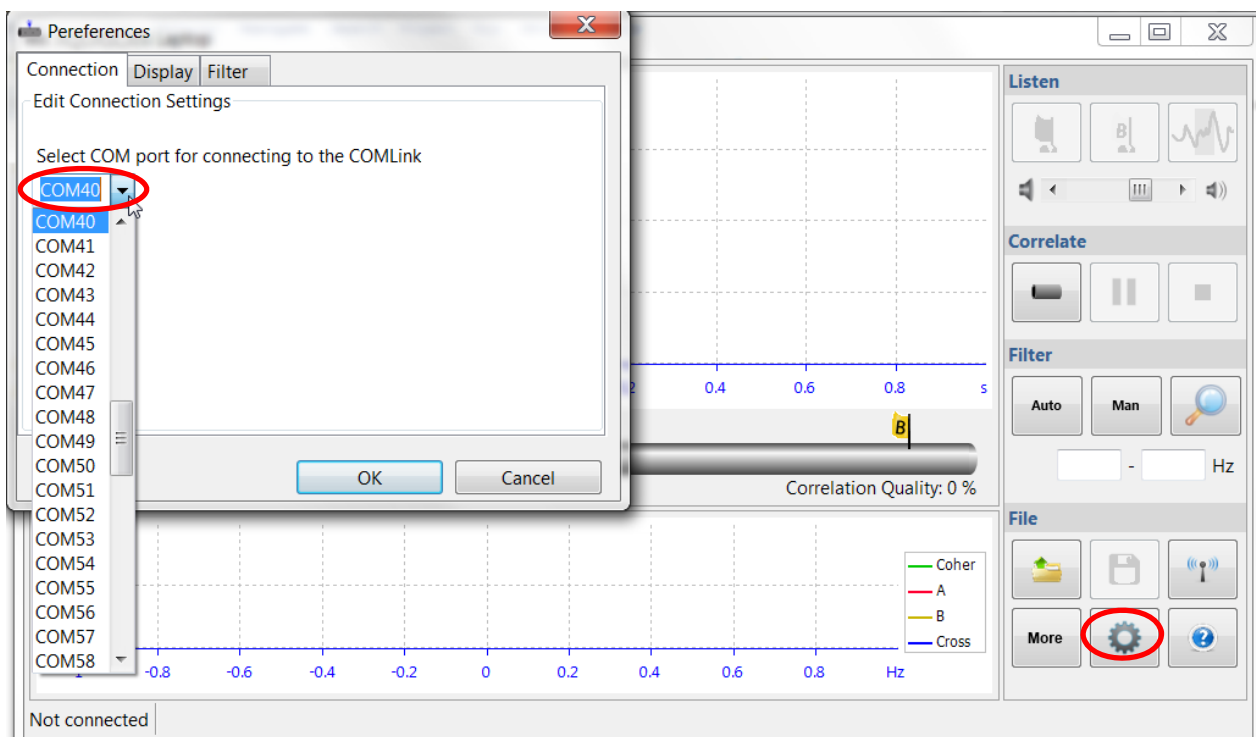
2.1 Pair Commlink

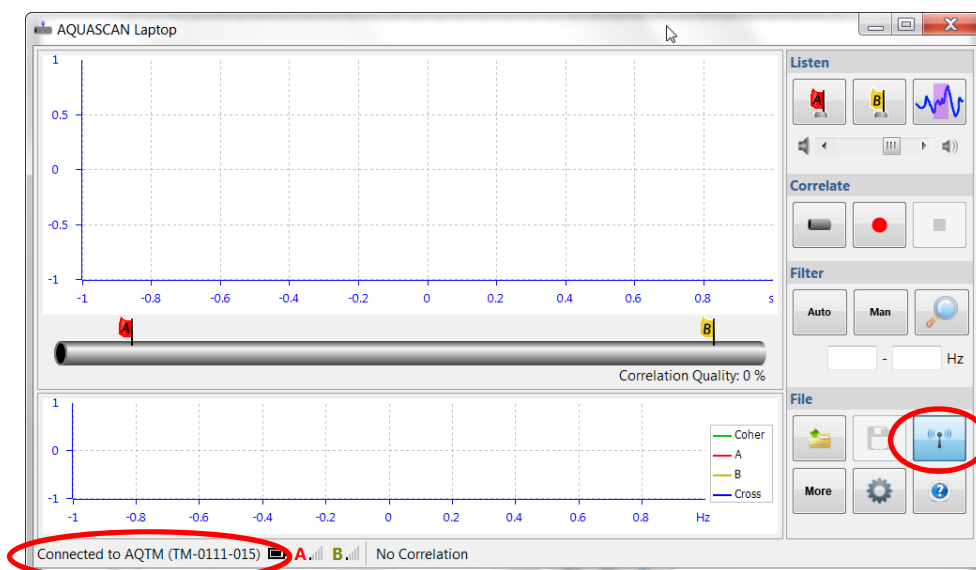






2.2 Set COM-Port

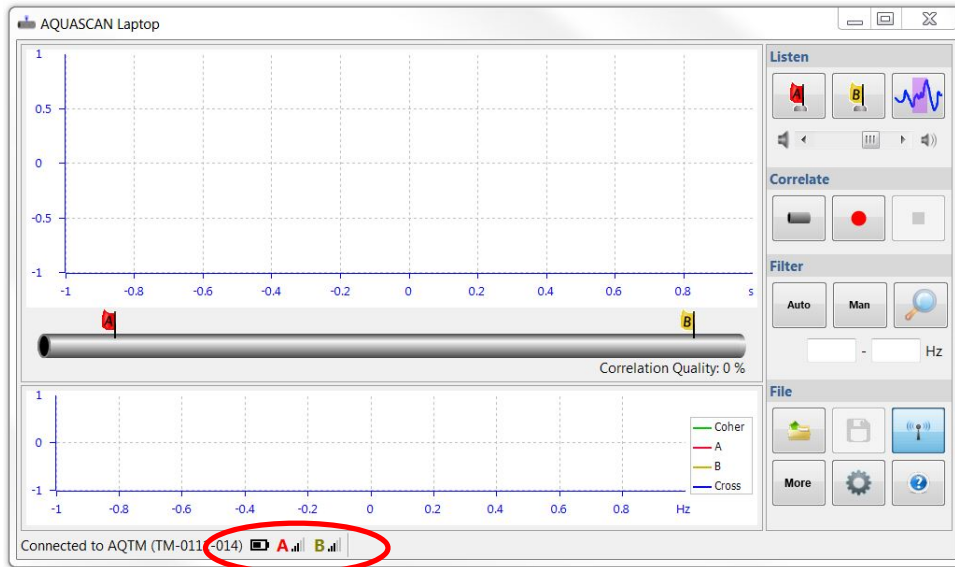




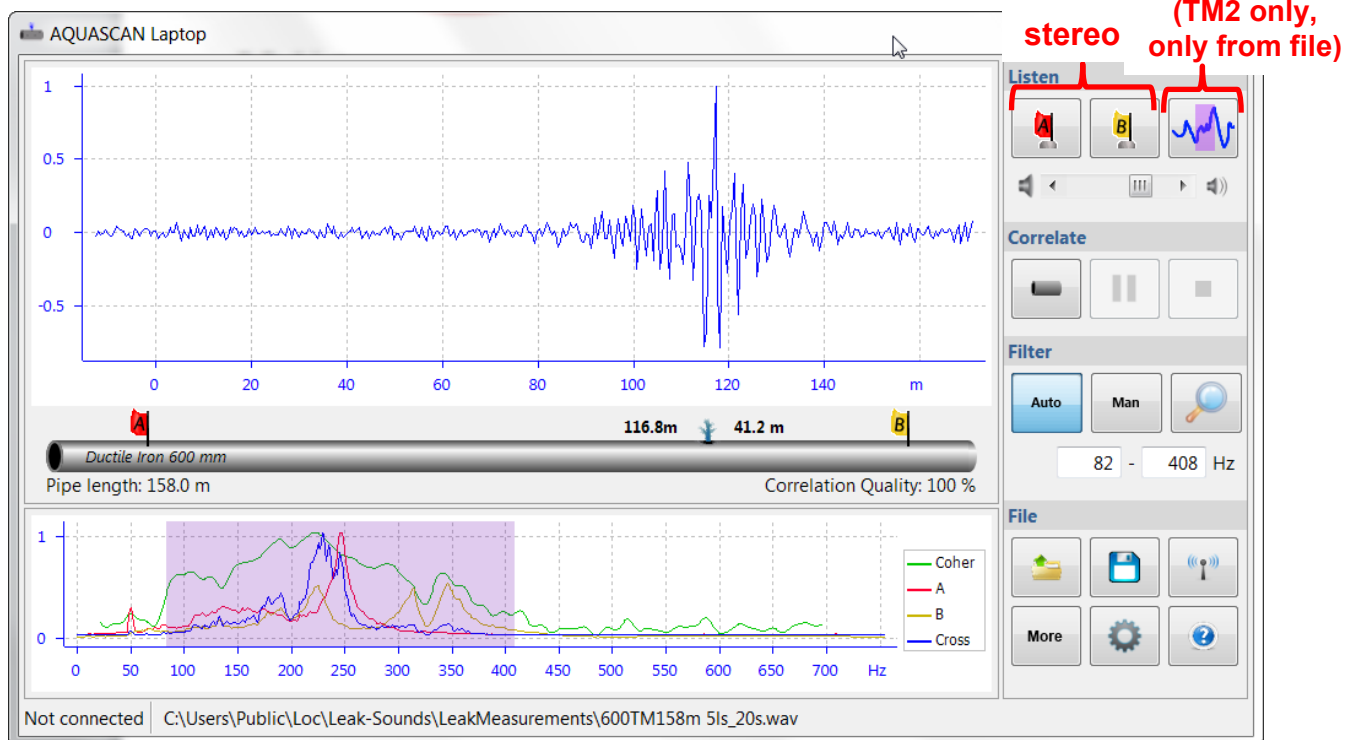
3 Correlate

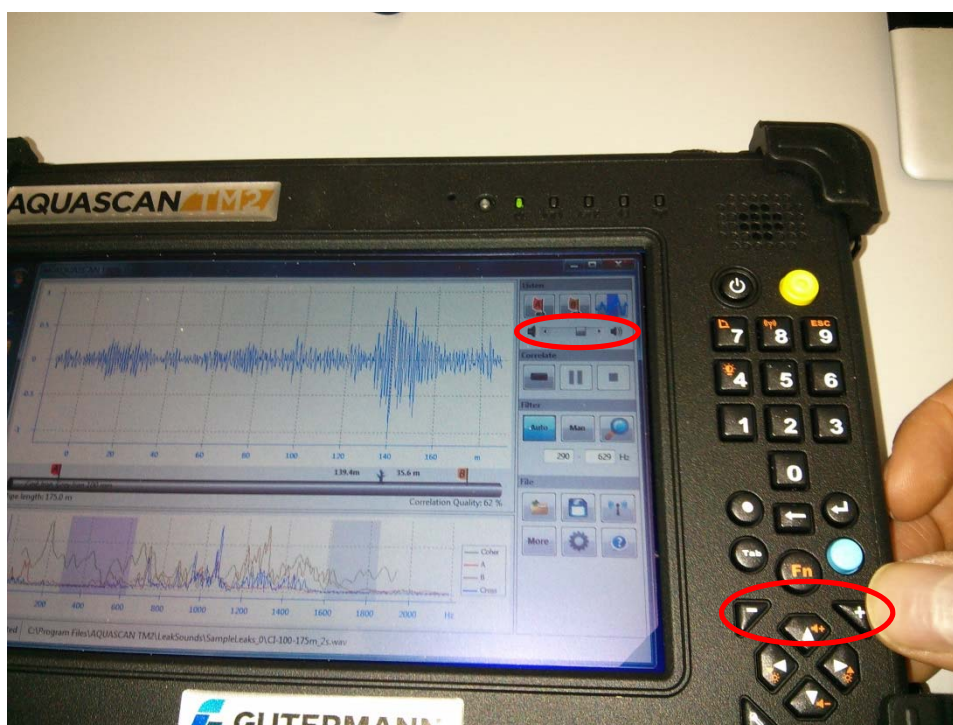
3.1 Deploy Sensors





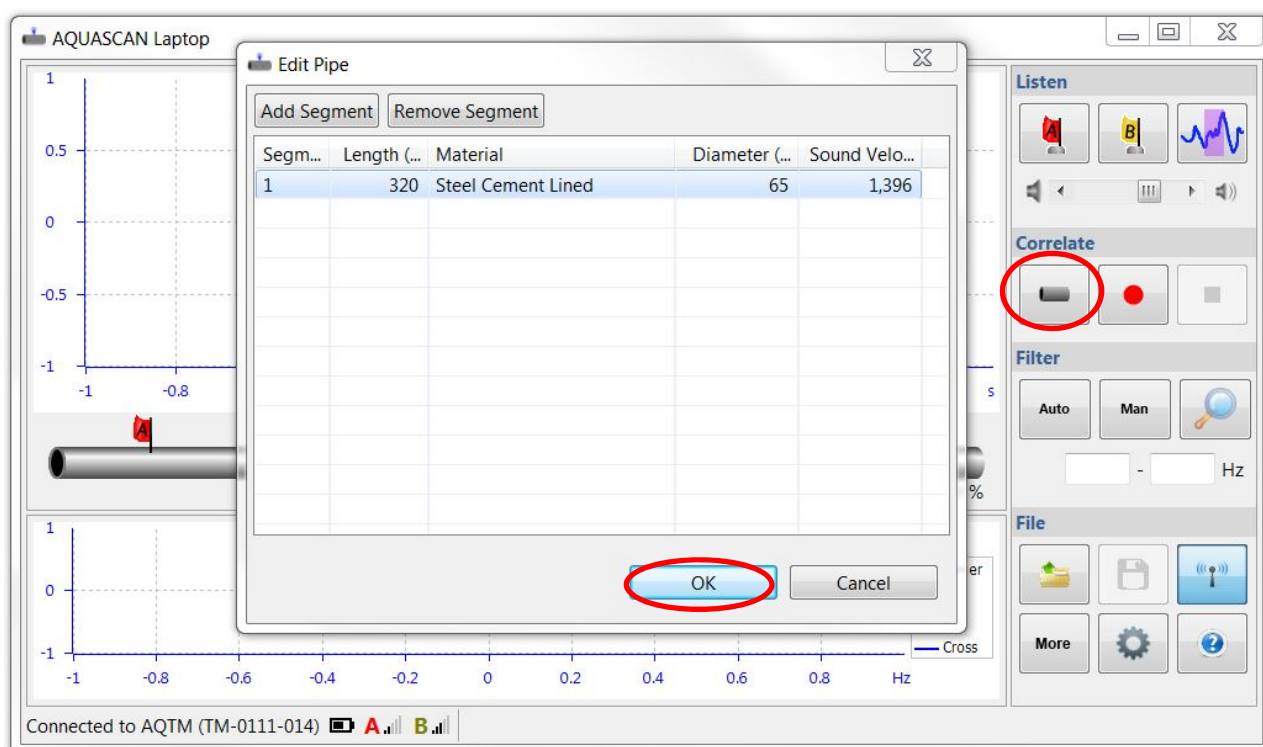
3.2 Listen



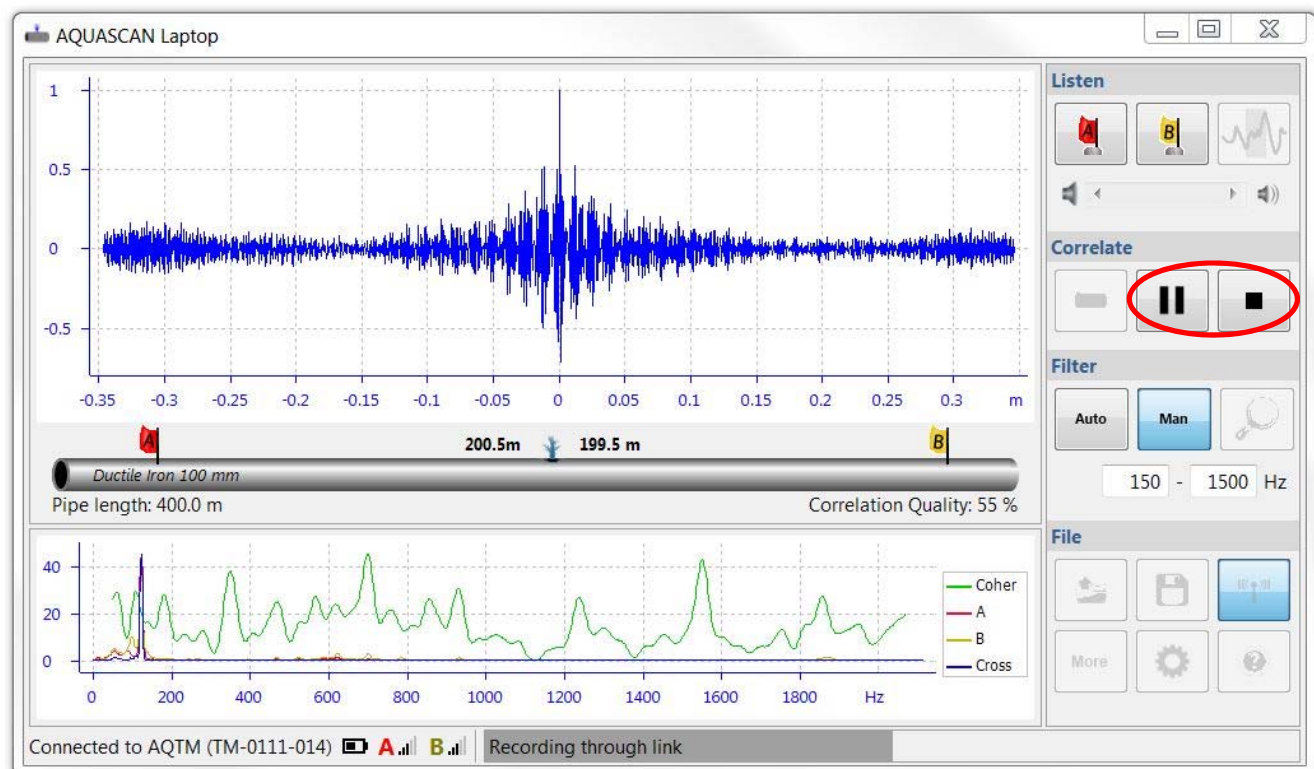
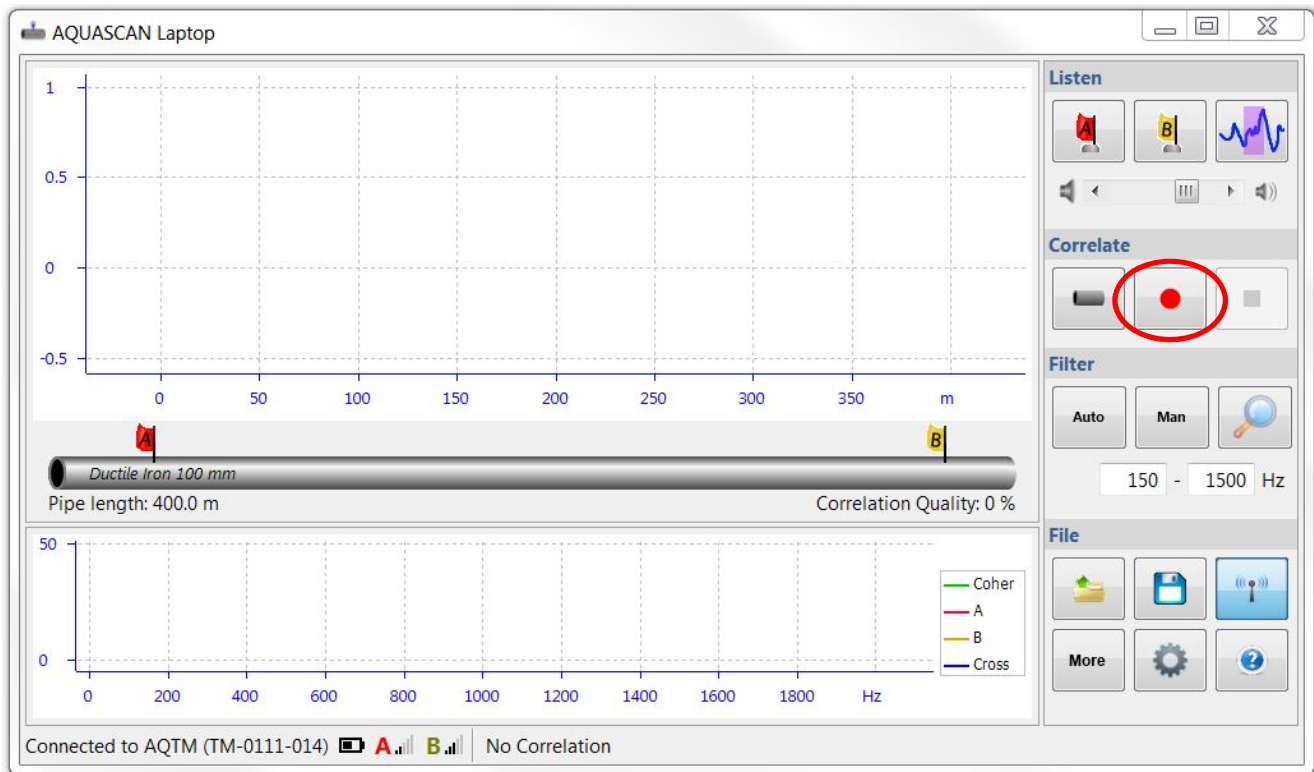


Volume

3.3 Pipe Data

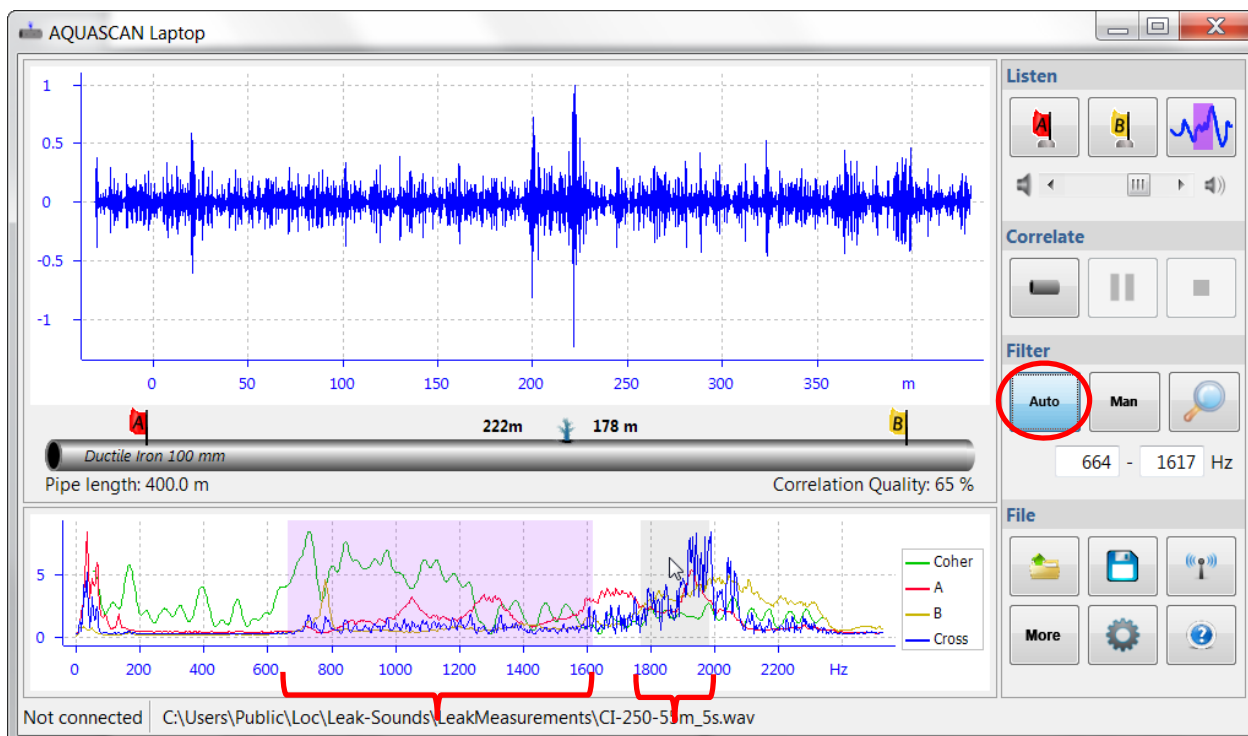


3.4 Start Correlation



4 Filter

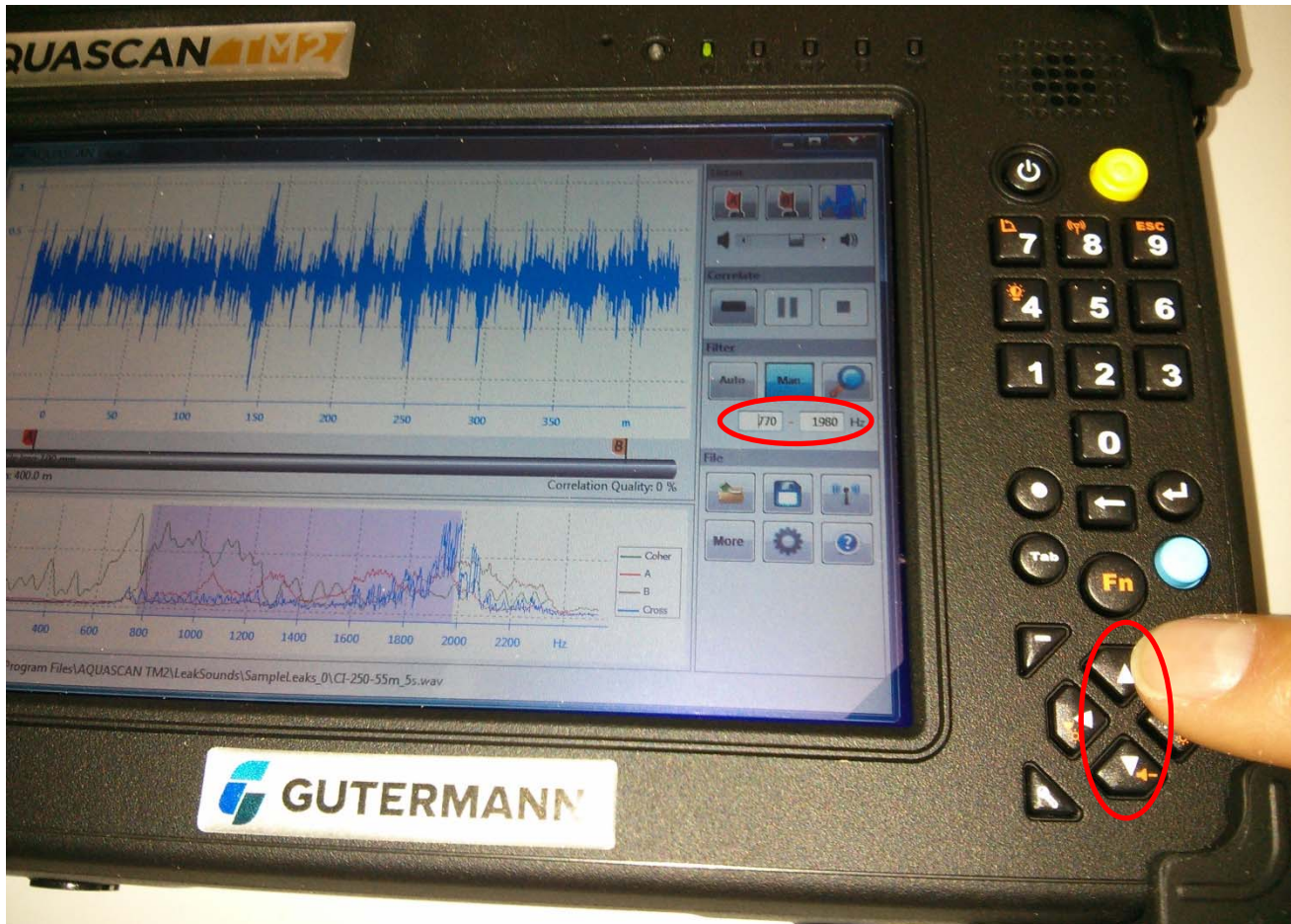
4.1 Automatic



change filter region

4.2 Manual



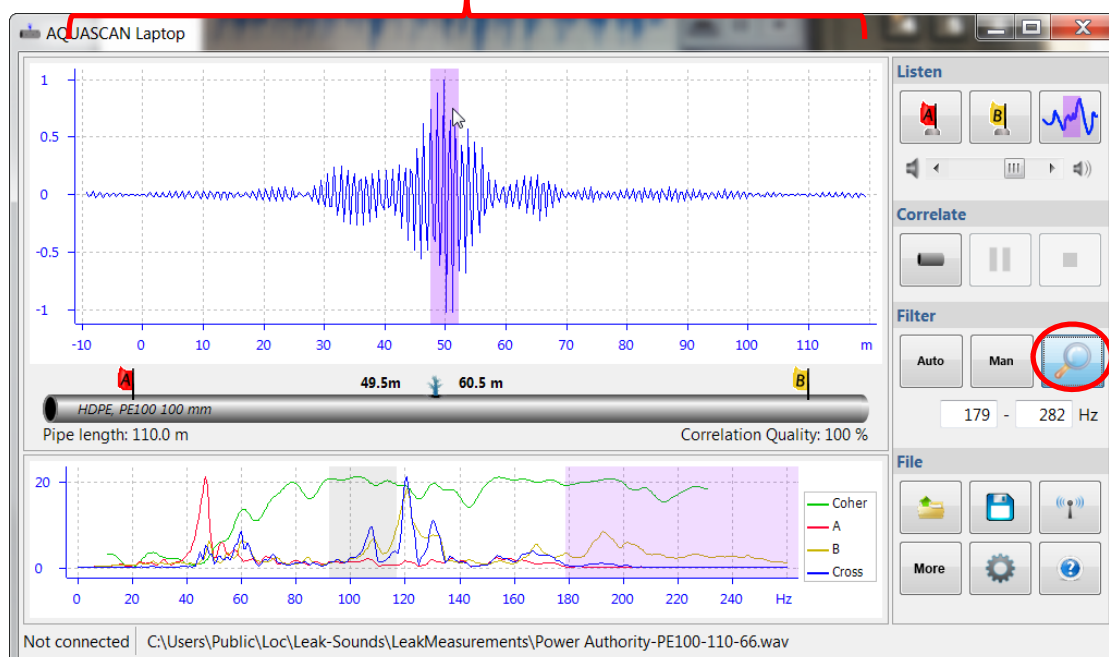


The spectrum chart shows by default the green **Coherence spectrum**. If the sound signals at both sensors come from a common source (e.g. a leak), their shape on the time axis is similar. The Coherence spectrum is a mathematical representation of this similarity for a given frequency, so it is advisable to select a filter region where the coherence is high.

In addition to the Coherence spectrum, you can activate the spectrum of sensors A and B, and the cross spectrum in the display settings (⚙️). The **Cross spectrum**, in contrast to the Coherence, also depends on the amplitude of the signal and not just on its similarity, so it is more difficult to find the leak frequencies with the Cross spectrum than with the Coherence.

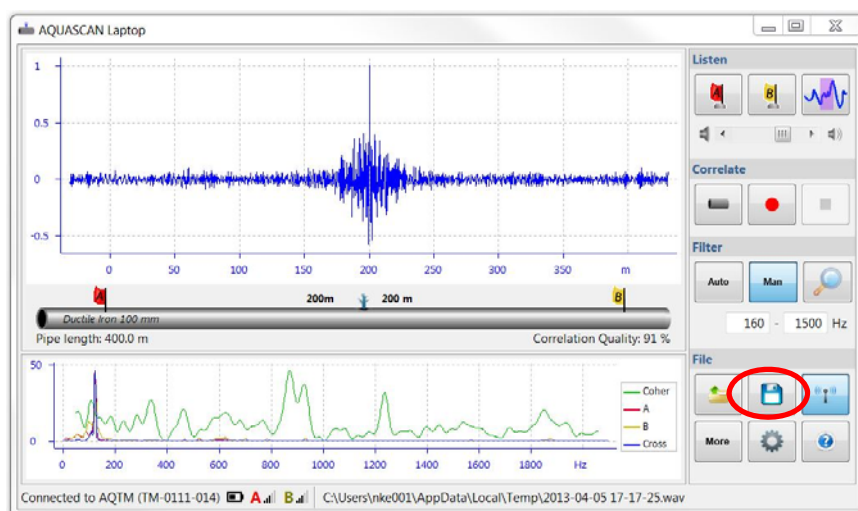
4.3 Spot Filter (TM2 only)

select area of interest



5 Files

5.1 Save





5.2 Previous/Next Measurement

