



Ref: FAQ0040

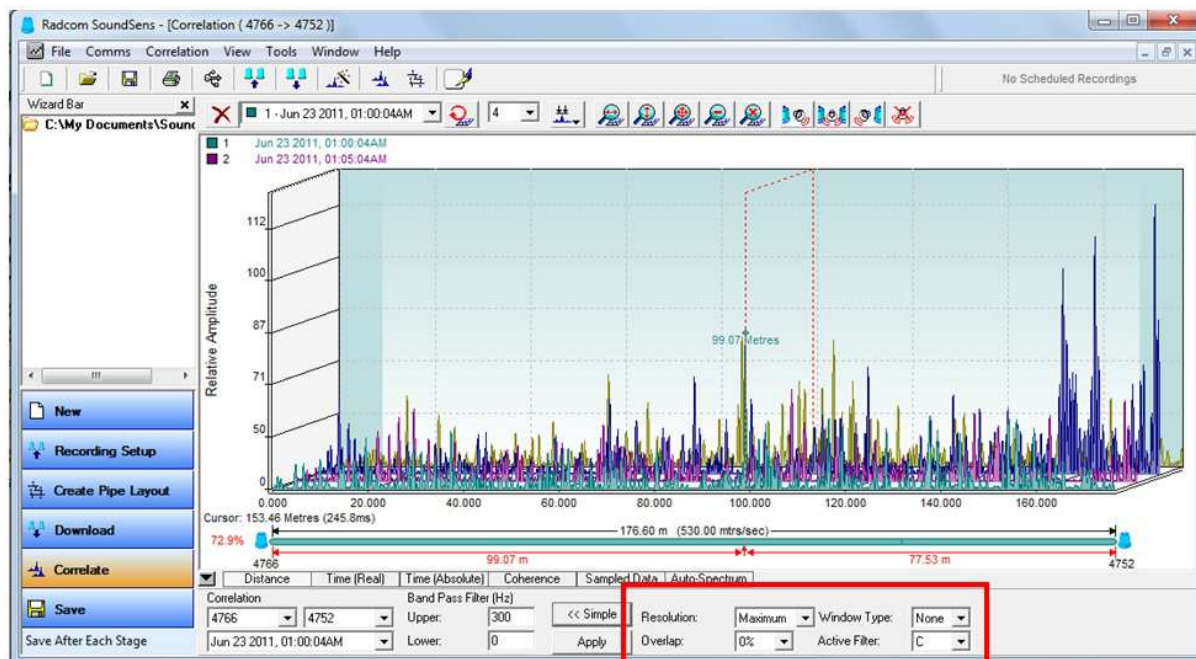
Version: 1.0

Title – SoundSens i advanced features

Made By: AB 20/05/14

(Issue 1)

Question – How and when should the Advanced Correlation features be used.



The features outlined are only available when you select 'Advanced' in the options for the software mode. (Tools > Options > General Tab)

Each of the features is another tool which can be used to enhance the view of correlation results to increase confidence in the accuracy of the leak position(s) identified during the correlation. In 99% of case you would not need to use these features as the leak would have been identified with a high degree of certainty already. These features allow you to experiment with other factors where the conditions of the correlation were subject to question which gives rise to a lack of confidence in the results.

You can see the effect of each of the tools by selecting it, and pressing the 'Apply' button – watch the effect each has on the leak position – this allows you to understand the confidence of the leak prediction. You will see the change in leak position – if it is only a small amount the confidence is high, if it is a large amount the confidence would be low.

Resolution

The Maximum resolution setting gives equal emphasis on the noise peaks and shows all the information whereas the Minimum resolution skews the emphasis towards the highest peaks in order focus attention on the likely leak positions.

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Window Type

This applies different scaling factors to the X Axis of the graphs to 'amplify' the view on the screen to better view and emphasise the peaks – can be useful where you have a number of high peaks in close proximity.

Overlap

For clarifying the sound peaks on the graph this reduces or increases the overlapped elements in the graph – again to clarify which peaks are the meaningful ones.

Active Filter

This applies a choice of filters for removing different frequencies of back ground noise – None means no filter is selected and an automatic filter is applied is the optimum case and Filter E is with no filtering applied for the reading based on the strongest signal. Filters A to E are applying predetermined filters in decreasing order.

Document History:

Edition	Date of Issue	Modification	Notes
First	20/05/14	Release	