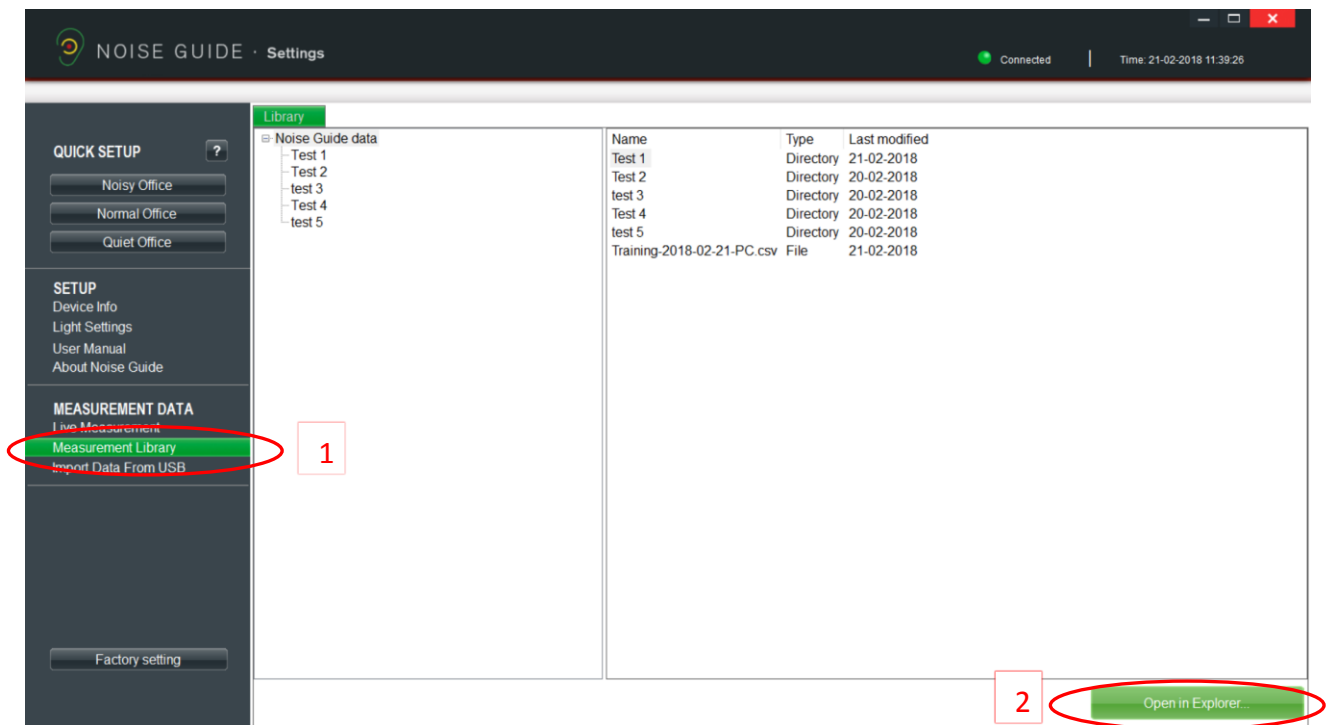


Jabra Noise Guide

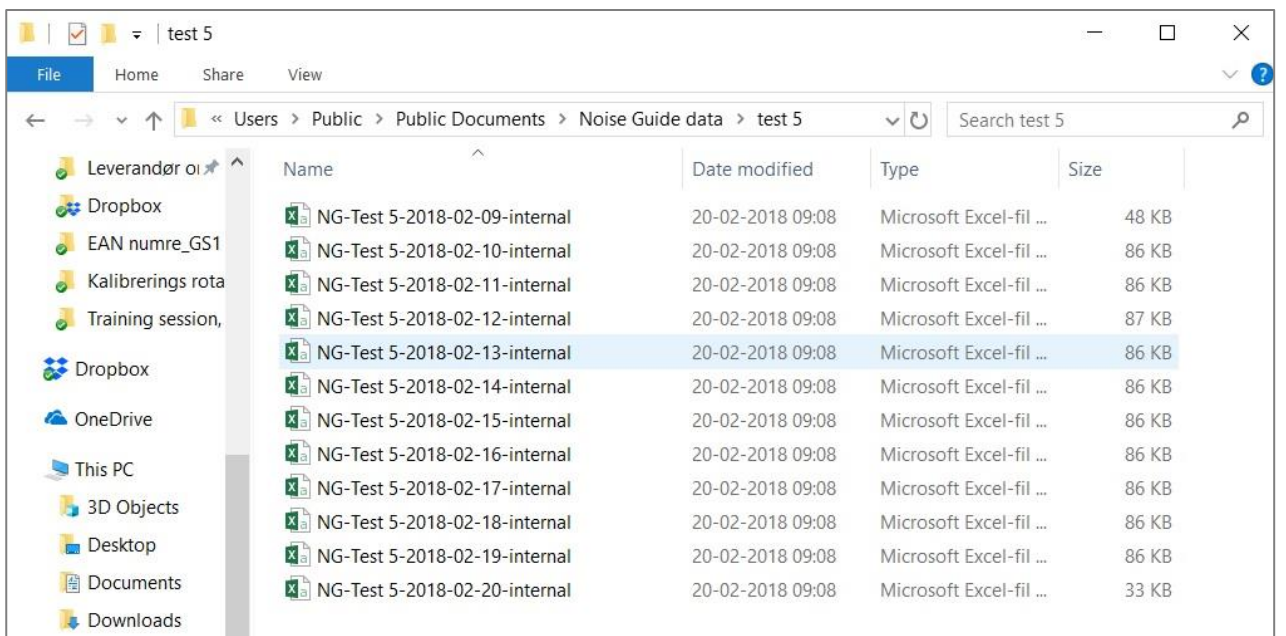
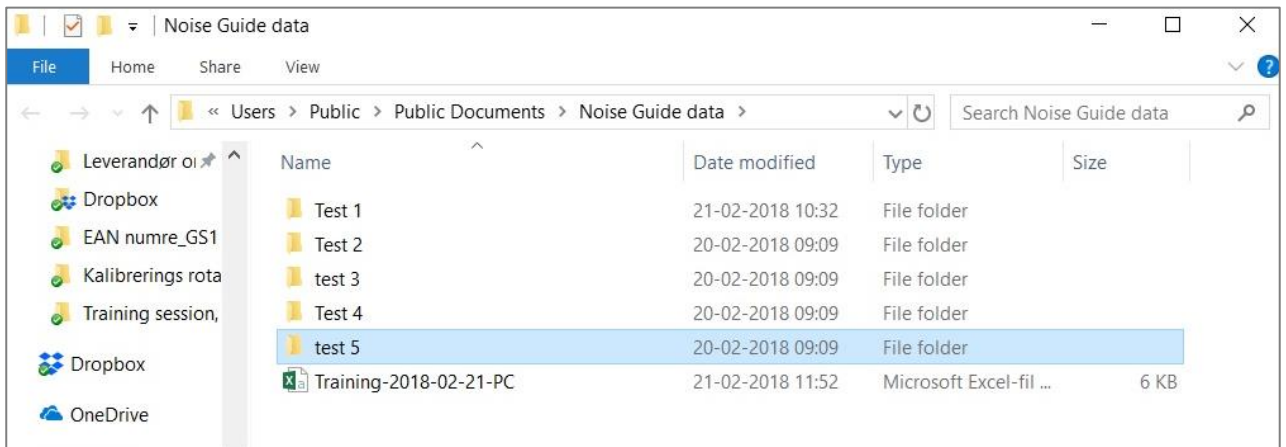
How to compare measurements

You can compare measurements between either different dates or different units by importing them into an Excel sheet and creating a graph.

1. Start by importing the log files into the Jabra Noise Guide software. This is described on page 26 in the Jabra Noise Guide User manual.
2. Go to **Measurement Library** (1) in the left menu and click **Open in Explorer** (2). All measurements are stored in a CSV format which can be viewed in Excel.



3. Compare the dates for the Jabra Noise Guide unit named 'Test 5'.



Compare the dates from Feb. 10-15, 2018.

4. Start by opening the measurements from Feb. 10.

The screenshot shows an Excel spreadsheet titled 'NG-Test 5-2018-02-10-internal'. The data is organized in columns A through W. Column A contains dates (10-02-2018), and column B contains times (00:00:00 to 00:27:00). Columns C through W contain numerical values for various acoustic parameters. The 'Time' column (B) is highlighted in green.

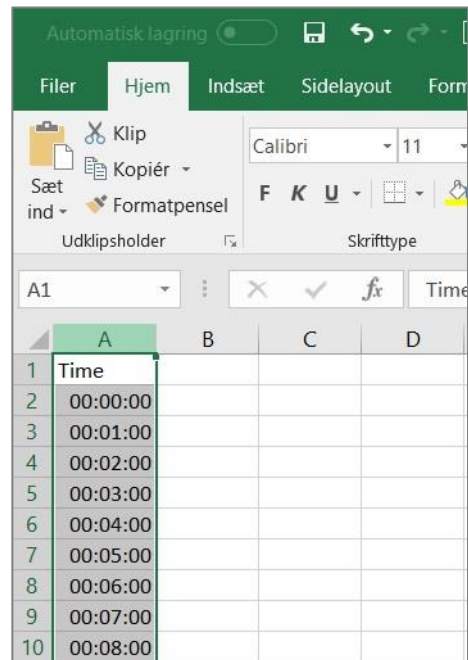
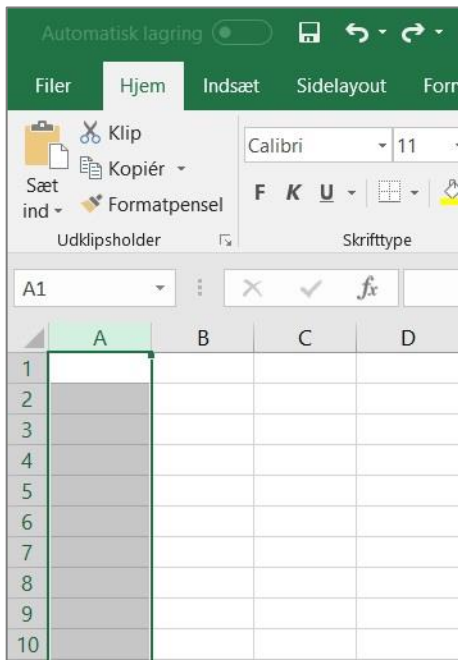
Date	Time	Ms	LAFmax	LAeq1min	LASmax	LCpeak	LAeq15mir	LAeq60mir	LCpeak ab	LCpeak ab	LCpeak ab	LCpeak above 120dB count
10-02-2018	00:00:00	0	30.8	29.4	29.8	54.9	29.4	29.4	0	0	0	0
10-02-2018	00:01:00	0	30.4	29.4	29.8	55.2	29.4	29.4	0	0	0	0
10-02-2018	00:02:00	0	30.5	29.4	29.9	54.3	29.4	29.4	0	0	0	0
10-02-2018	00:03:00	0	30.3	29.3	29.7	54.5	29.4	29.4	0	0	0	0
10-02-2018	00:04:00	0	30.3	29.3	29.7	53.6	29.4	29.4	0	0	0	0
10-02-2018	00:05:00	0	34.6	29.6	31.6	55.9	29.4	29.4	0	0	0	0
10-02-2018	00:06:00	0	30.7	29.4	29.7	54.7	29.4	29.4	0	0	0	0
10-02-2018	00:07:00	0	31	29.4	30	54.8	29.4	29.4	0	0	0	0
10-02-2018	00:08:00	0	30.7	29.3	29.9	53.5	29.4	29.4	0	0	0	0
10-02-2018	00:09:00	0	30.7	29.3	29.8	56.5	29.4	29.4	0	0	0	0
10-02-2018	00:10:00	0	30.5	29.4	30	57.1	29.4	29.4	0	0	0	0
10-02-2018	00:11:00	0	30.6	29.4	29.8	56	29.4	29.4	0	0	0	0
10-02-2018	00:12:00	0	30.2	29.3	29.8	55.2	29.4	29.4	0	0	0	0
10-02-2018	00:13:00	0	30.4	29.3	29.8	57.1	29.4	29.4	0	0	0	0
10-02-2018	00:14:00	0	30.2	29.3	29.7	54	29.4	29.4	0	0	0	0
10-02-2018	00:15:00	0	30.4	29.3	29.6	55.4	29.4	29.4	0	0	0	0
10-02-2018	00:16:00	0	30.3	29.3	29.7	53.8	29.4	29.4	0	0	0	0
10-02-2018	00:17:00	0	31	29.3	29.8	53.5	29.4	29.4	0	0	0	0
10-02-2018	00:18:00	0	30.5	29.4	29.8	54.1	29.4	29.4	0	0	0	0
10-02-2018	00:19:00	0	30.4	29.4	29.8	57.4	29.4	29.4	0	0	0	0
10-02-2018	00:20:00	0	30.4	29.4	29.9	53.5	29.4	29.4	0	0	0	0
10-02-2018	00:21:00	0	30.3	29.4	29.8	55.6	29.4	29.4	0	0	0	0
10-02-2018	00:22:00	0	31.4	29.5	30.7	56	29.4	29.4	0	0	0	0
10-02-2018	00:23:00	0	31.6	29.6	30.3	56.5	29.4	29.4	0	0	0	0
10-02-2018	00:24:00	0	33.1	29.5	30.6	56	29.4	29.4	0	0	0	0
10-02-2018	00:25:00	0	31	29.5	30	59.4	29.4	29.4	0	0	0	0
10-02-2018	00:26:00	0	30.5	29.5	29.9	56.1	29.4	29.4	0	0	0	0
10-02-2018	00:27:00	0	30.3	29.4	29.8	54.2	29.4	29.4	0	0	0	0

Hold the cursor over column B as shown and press 'Ctrl' and 'C' to copy the column.

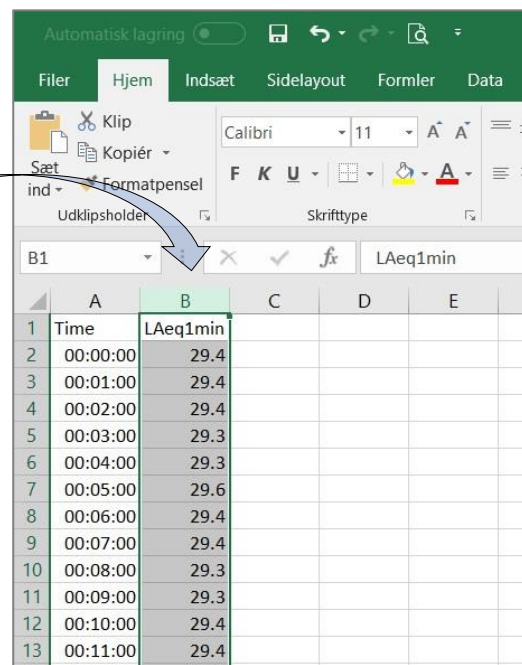
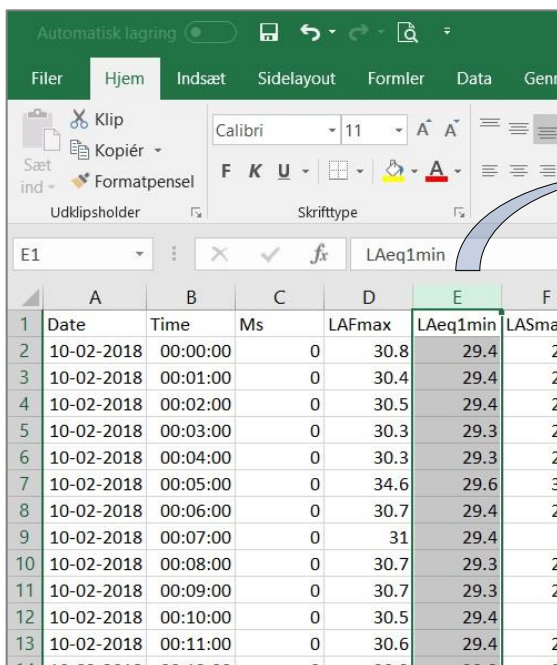
This is a close-up view of the spreadsheet data. Column B is highlighted in green. A blue arrow points from the text 'Hold the cursor over column B...' to the 'Time' header in column B.

	A	B	C	D
1	Date	Time	Ms	LAFmax
2	10-02-2018	00:00:00	0	30.8
3	10-02-2018	00:01:00	0	30.4
4	10-02-2018	00:02:00	0	30.5
5	10-02-2018	00:03:00	0	30.3
6	10-02-2018	00:04:00	0	30.3
7	10-02-2018	00:05:00	0	34.6
8	10-02-2018	00:06:00	0	30.7
9	10-02-2018	00:07:00	0	31
10	10-02-2018	00:08:00	0	30.7
11	10-02-2018	00:09:00	0	30.7
12	10-02-2018	00:10:00	0	30.5
13	10-02-2018	00:11:00	0	30.6
14	10-02-2018	00:12:00	0	30.2
15	10-02-2018	00:13:00	0	30.4
16	10-02-2018	00:14:00	0	30.2
17	10-02-2018	00:15:00	0	30.4
18	10-02-2018	00:16:00	0	30.3
19	10-02-2018	00:17:00	0	31
20	10-02-2018	00:18:00	0	30.5
21	10-02-2018	00:19:00	0	30.4
22	10-02-2018	00:20:00	0	30.4

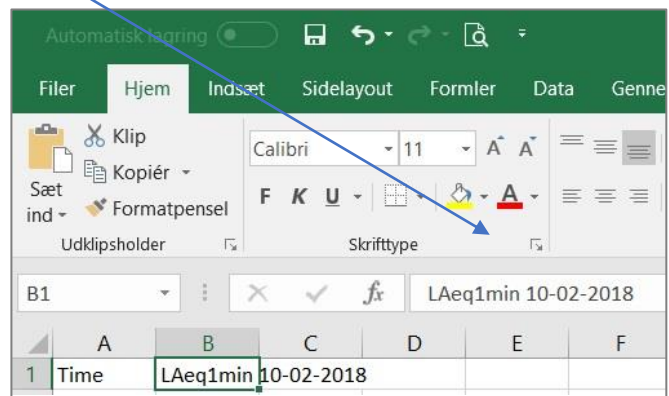
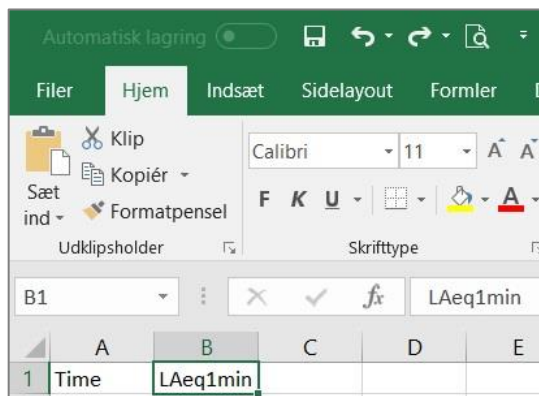
- Open a new (empty) Excel project folder and paste the column into the Excel sheet by holding the cursor over column A and then press 'Ctrl' and 'V' to paste the column into the new document.



- Go back to the sheet with measurements from Feb. 10^h and copy column E which contains the 'LAeq 1min' measurements, and paste it into the newly created Excel sheet in column B.



- Click cell B1, where it says 'LAeq 1min', and add the date for the measurements as shown below. Here, we are adding the date '10-02-2018' so it will be easier to see in the graph afterwards.



- Close the CSV with the measurements from Feb. 10, and open the files with measurements from the following day, Feb. 11. Copy column E as described in step 6, and paste it into the Excel project folder in column C.

This screenshot shows a table in Excel with the following data:

	A	B	C	E	F
1	Date	Time	Ms	LAFmax	LAeq1min
2	11-02-2018	00:00:00	0	30.8	29.6
3	11-02-2018	00:01:00	0	35.3	31.9
4	11-02-2018	00:02:00	0	31.5	29.7
5	11-02-2018	00:03:00	0	30.5	29.4
6	11-02-2018	00:04:00	0	30.3	29.4
7	11-02-2018	00:05:00	0	33.3	29.7
8	11-02-2018	00:06:00	0	30.5	29.5
9	11-02-2018	00:07:00	0	30.2	29.4
10	11-02-2018	00:08:00	0	30.6	29.4
11	11-02-2018	00:09:00	0	30.2	29.4
12	11-02-2018	00:10:00	0	30.3	29.4
13	11-02-2018	00:11:00	0	30.2	29.4
14	11-02-2018	00:12:00	0	30.2	29.3

This screenshot shows the same data as the previous table, but with the date column removed and the 'LAeq1min' values moved to column C. The data is as follows:

	A	B	C	D
1	Time	LAeq1min	LAeq1min	
2	00:00:00	29.4	29.6	
3	00:01:00	29.4	31.9	
4	00:02:00	29.4	29.7	
5	00:03:00	29.3	29.4	
6	00:04:00	29.3	29.4	
7	00:05:00	29.6	29.7	
8	00:06:00	29.4	29.5	
9	00:07:00	29.4	29.4	
10	00:08:00	29.3	29.4	
11	00:09:00	29.3	29.4	
12	00:10:00	29.4	29.4	
13	00:11:00	29.4	29.4	
14	00:12:00	29.3	29.3	

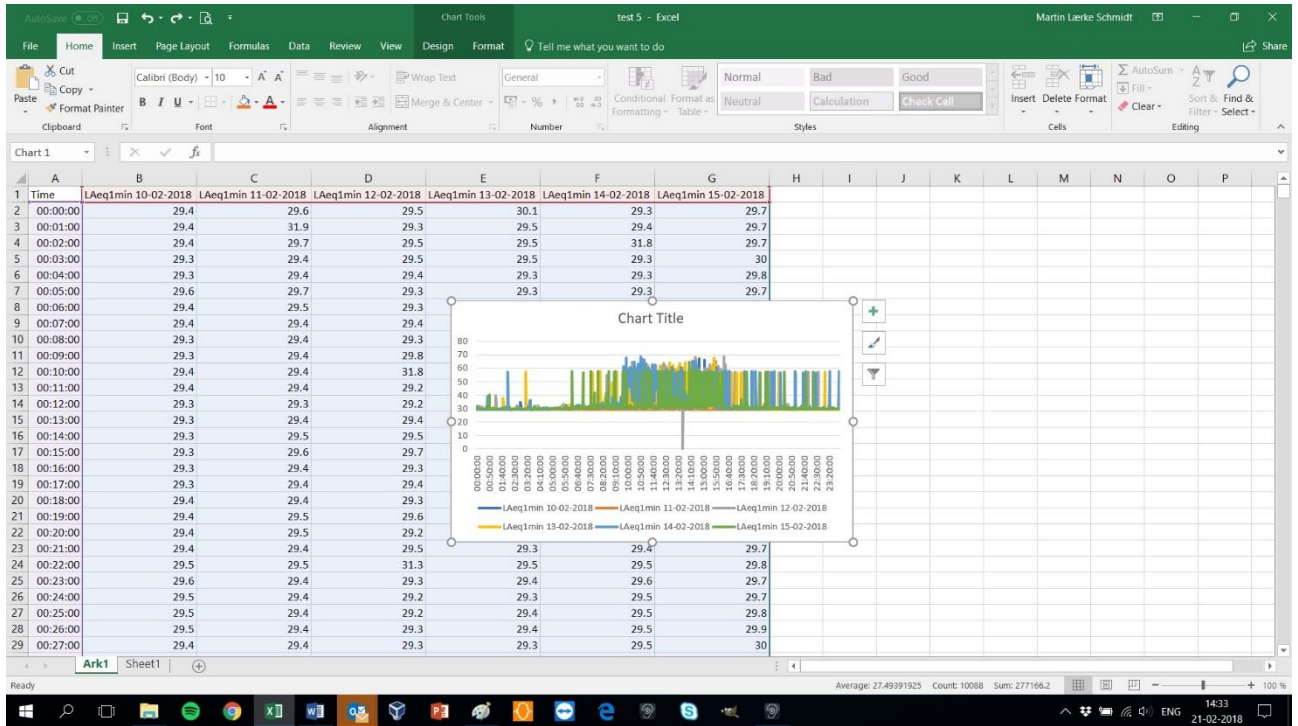
9. Add the date to the cell, where it says 'LÆq1min', as described in step 7. Then repeat steps 6 and 7 for the rest of the dates you want to add.

	A	B	C	D	E	F	G
1	Time	LÆq1min 10-02-2018	LÆq1min 11-02-2018	LÆq1min 12-02-2018	LÆq1min 13-02-2018	LÆq1min 14-02-2018	LÆq1min 15-02-2018
2	00:00:00	29.4	29.6	29.5	30.1	29.3	29.7
3	00:01:00	29.4	31.9	29.3	29.5	29.4	29.7
4	00:02:00	29.4	29.7	29.5	29.5	31.8	29.7
5	00:03:00	29.3	29.4	29.5	29.5	29.3	30
6	00:04:00	29.3	29.4	29.4	29.3	29.3	29.8
7	00:05:00	29.6	29.7	29.3	29.3	29.3	29.7
8	00:06:00	29.4	29.5	29.3	29.4	30	29.7
9	00:07:00	29.4	29.4	29.4	29.5	29.4	29.7
10	00:08:00	29.3	29.4	29.3	29.5	29.3	29.8

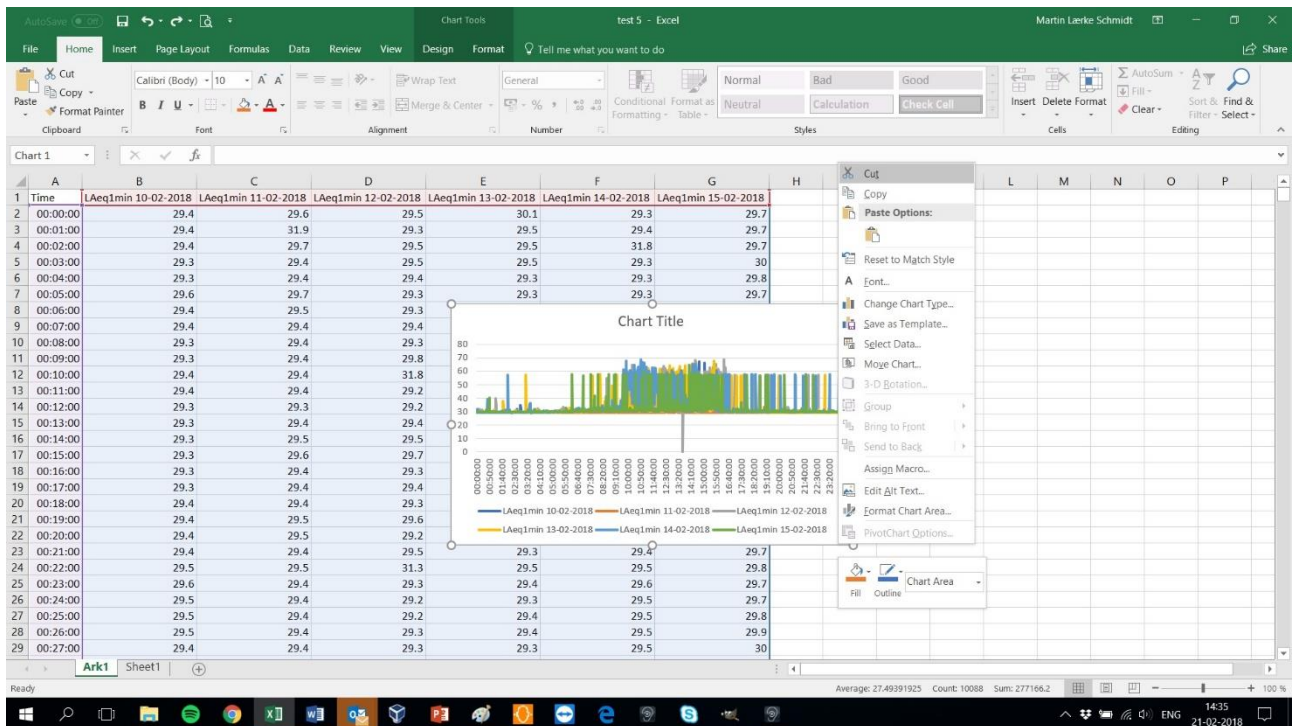
10. Highlight columns A to G and go to the **Insert** tab. Click **Recommended Charts**.

	A	B	C	D	E	F	G
1	Time	LÆq1min 10-02-2018	LÆq1min 11-02-2018	LÆq1min 12-02-2018	LÆq1min 13-02-2018	LÆq1min 14-02-2018	LÆq1min 15-02-2018
2	00:00:00	29.4	29.6	29.5	30.1	29.3	29.7
3	00:01:00	29.4	31.9	29.3	29.5	29.4	29.7
4	00:02:00	29.4	29.7	29.5	29.5	31.8	29.7
5	00:03:00	29.3	29.4	29.5	29.5	29.3	30
6	00:04:00	29.3	29.4	29.4	29.3	29.3	29.8
7	00:05:00	29.6	29.7	29.3	29.3	29.3	29.7
8	00:06:00	29.4	29.5	29.3	29.4	30	29.7
9	00:07:00	29.4	29.4	29.4	29.5	29.4	29.7
10	00:08:00	29.3	29.4	29.3	29.5	29.3	29.8

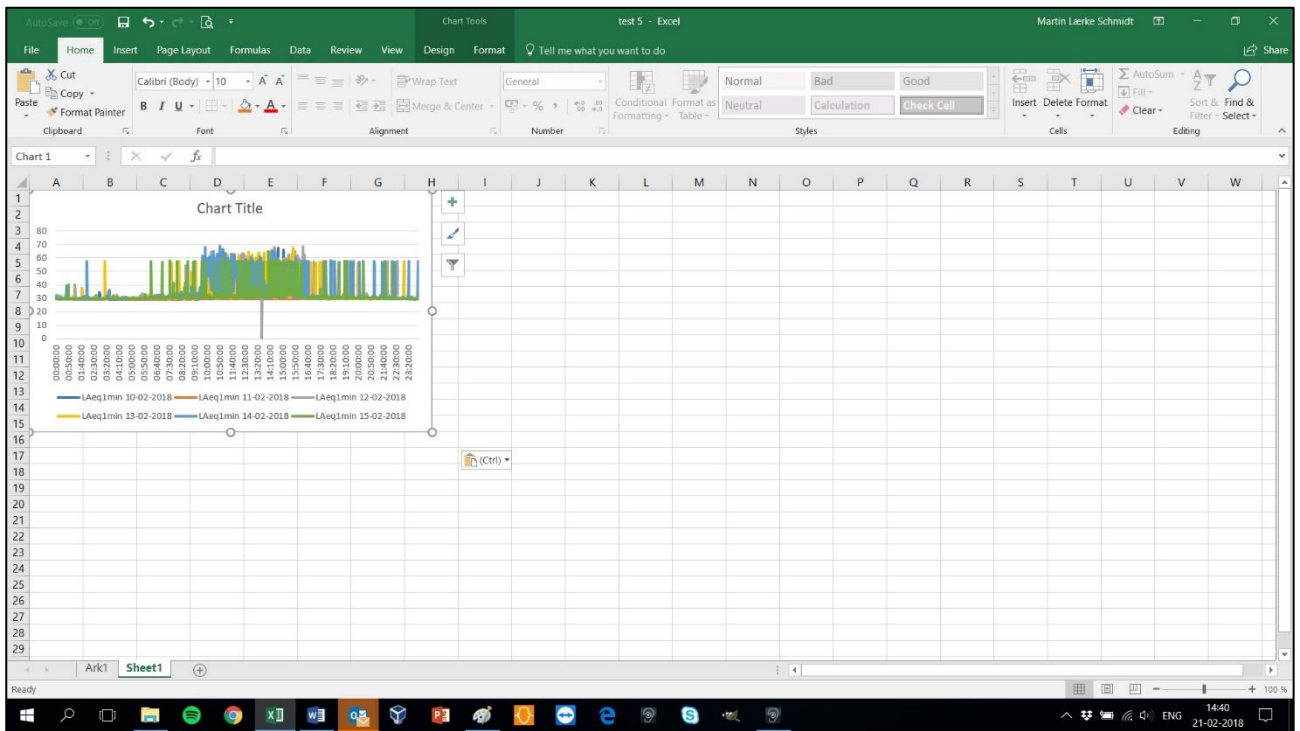
12. A graph is displayed on top of your measurements as shown below.



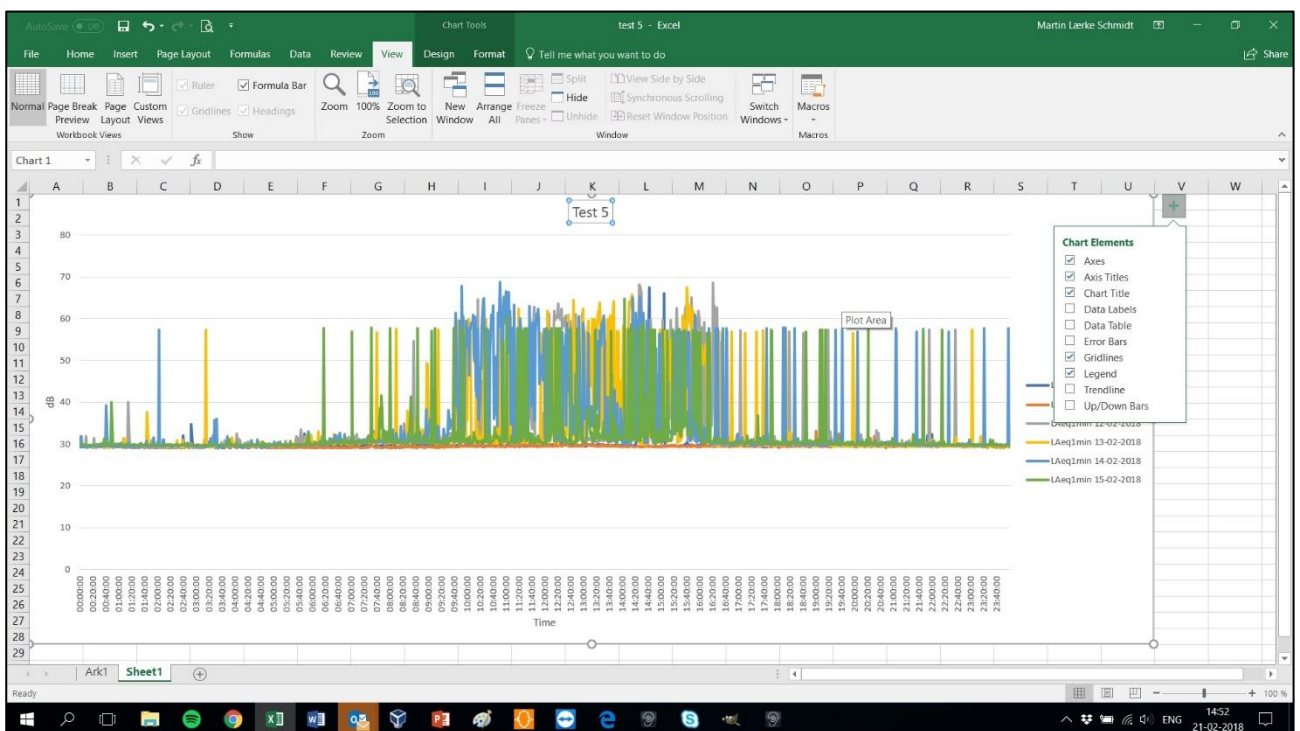
13. Right-click the chart and select **Cut**.



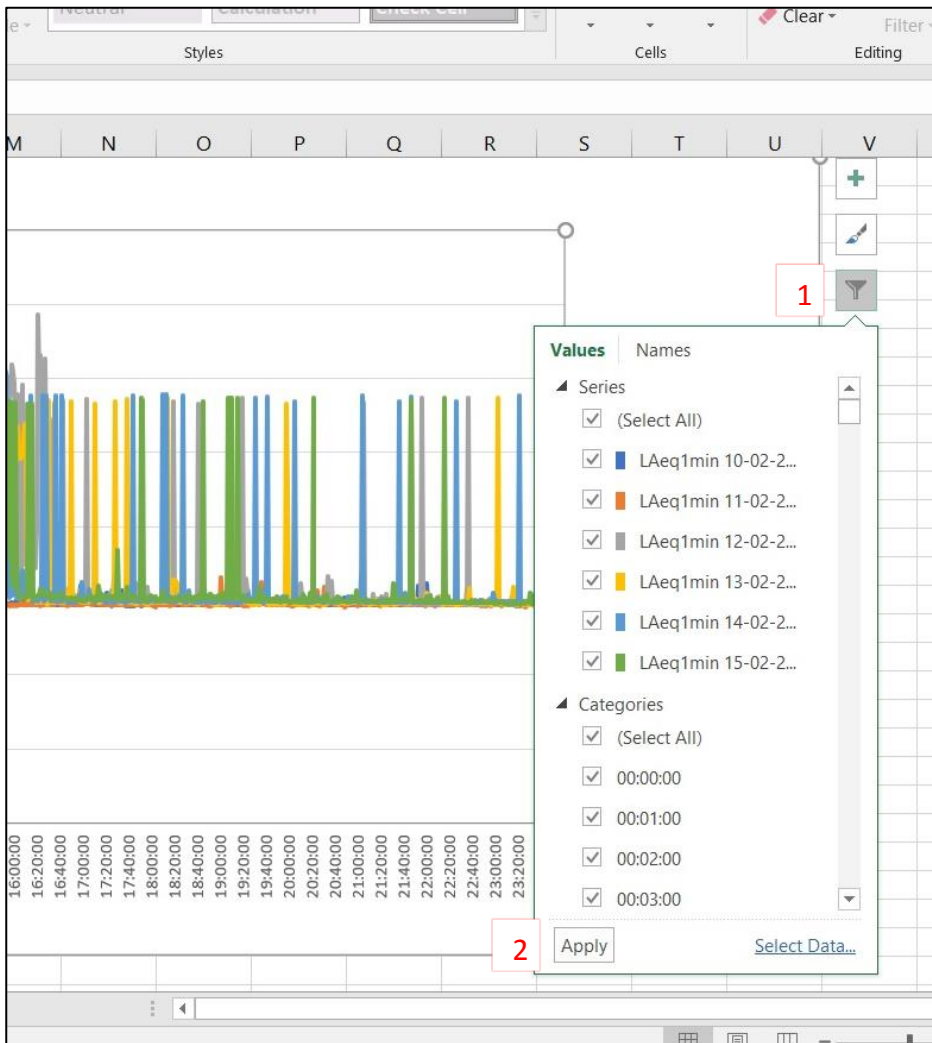
14. Click + in the bottom left corner to create a new sheet in the Excel document. Then paste the graph into the new sheet by pressing 'Ctrl' and 'V'.



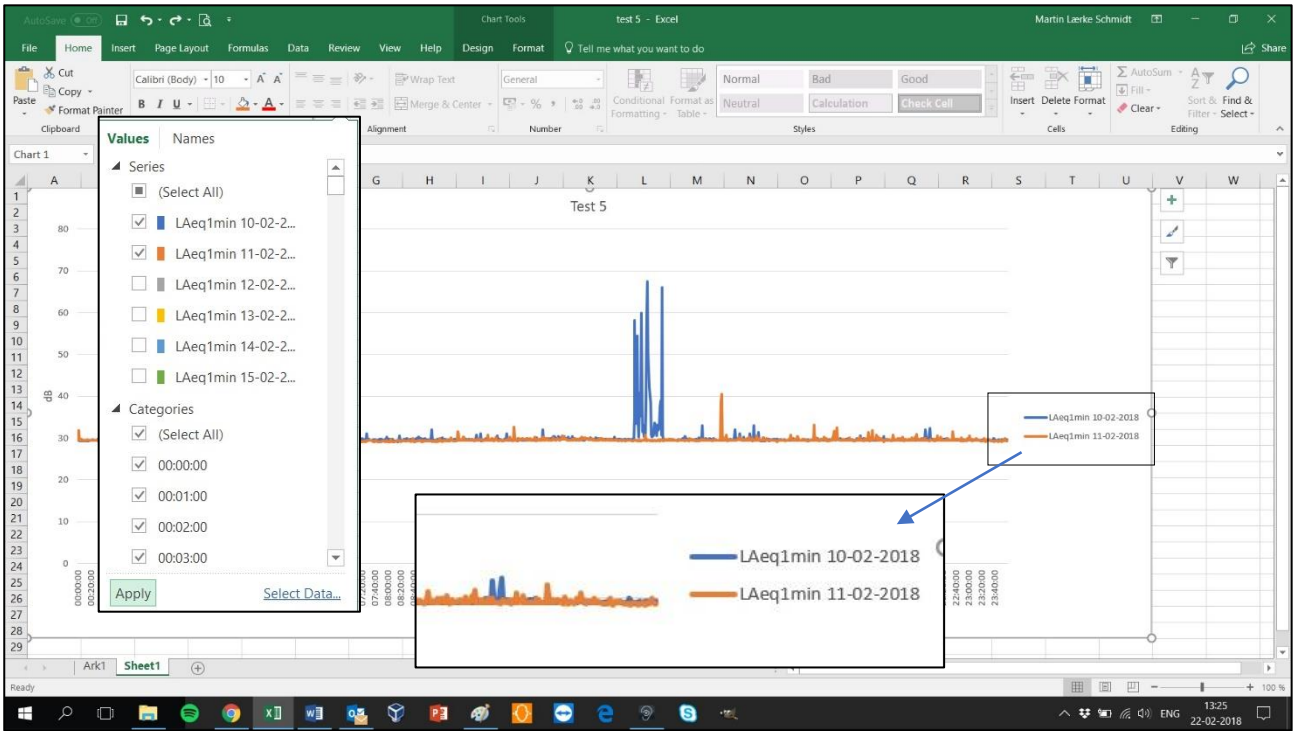
15. Drag the graph to the appropriate size. Optionally, click the + icon in the top right of the graph to add axis titles. Then change the title for the 'X' axis to Time and the 'Y' axis to dB. You can also change the chart title to 'Test 5' so you know which device the measurements are from.



16. Click the sort symbol (1) to select the measurements to display in the graph. Then click **Apply** (2).



17. As shown in the example below, only two dates are selected.



18. Hold the cursor over a point in the graph, to see what was measured at that time.

