# Conducting an inspection in the "Leakage" mode using NAC-PU and NACEx-PU devices

Turn on the device by holding the on/off button for 2 seconds (1). The green LED indicator (2) of the device operation will light up and the loading will begin. After loading, in the main menu, select the "Leakage" mode (3)
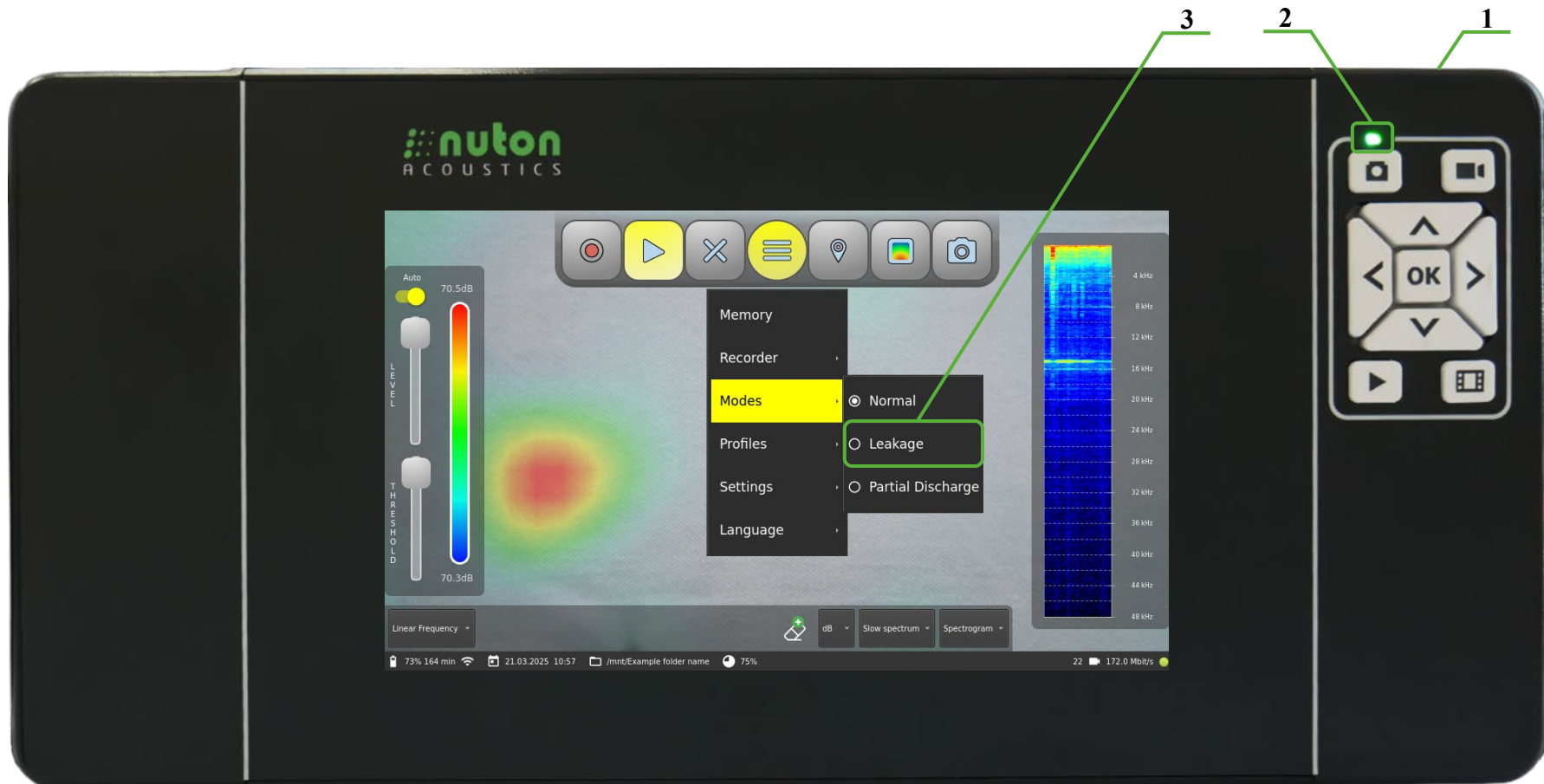
Start the inspection along the route and when you find a clear sound source (4) in the focus area, select the system pressure and the distance to the leak (5) and press the record button ■◤ (6)
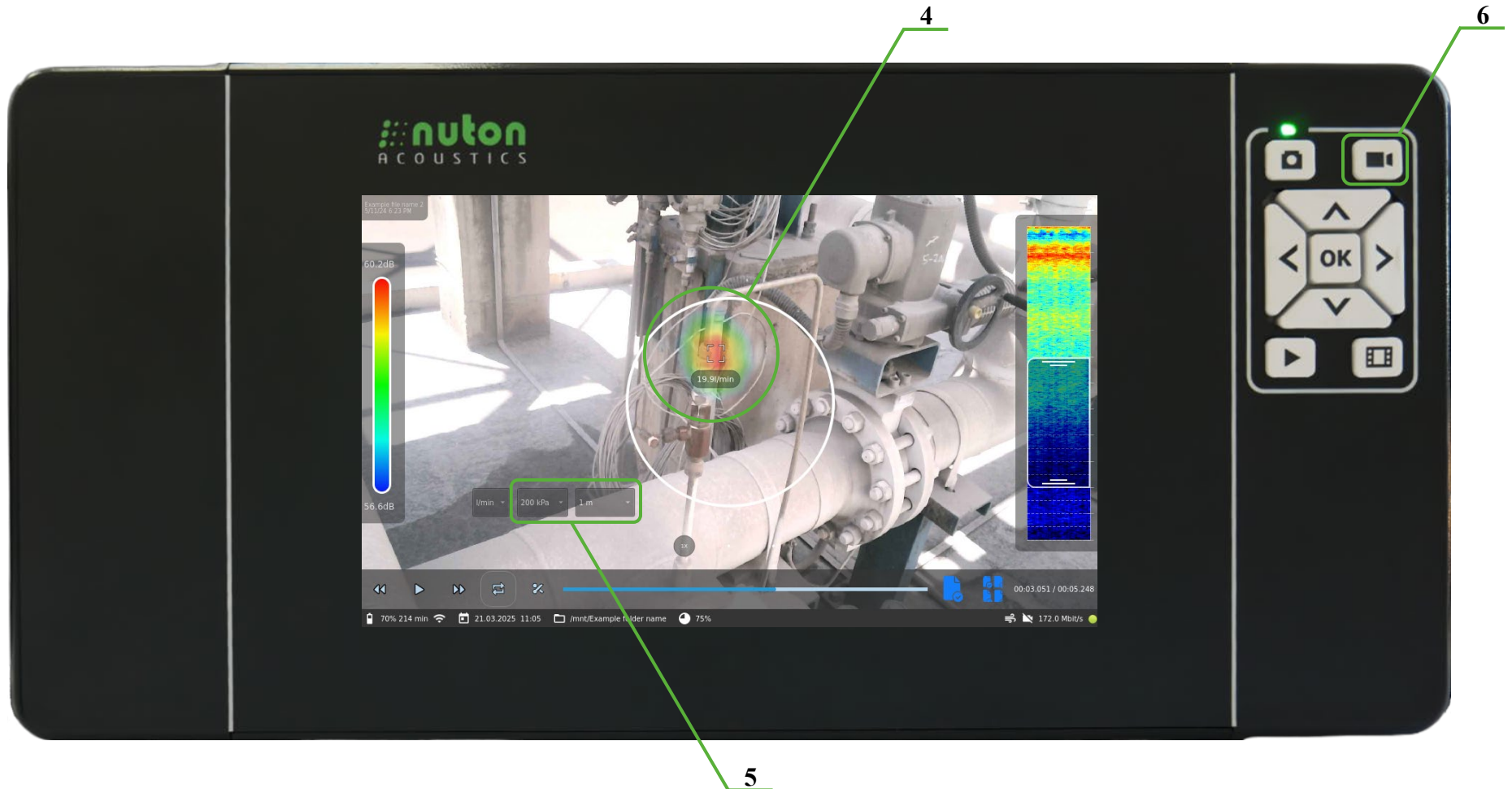
The recording timer (7) will be displayed in the upper left corner. After 5 seconds, press the record button again ▣ (8). Enter the name of the container file (it will be used in the report) and press the button ▶ (9)
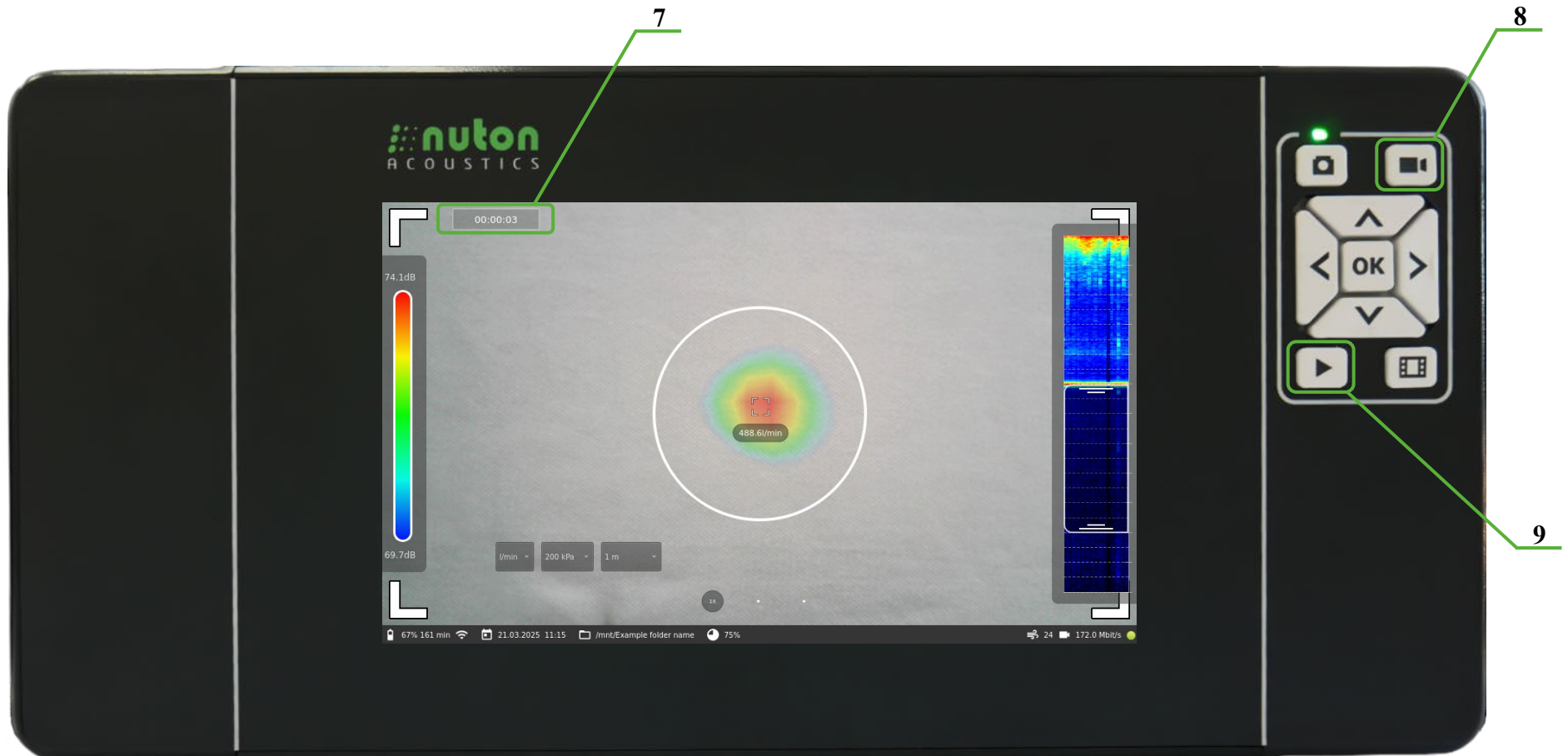
A thumbnail of the recorded container will appear on the screen (10) and while it is displayed, press the button **OK** (11). The newly recorded container file will open. Press the button **OK** (11) again
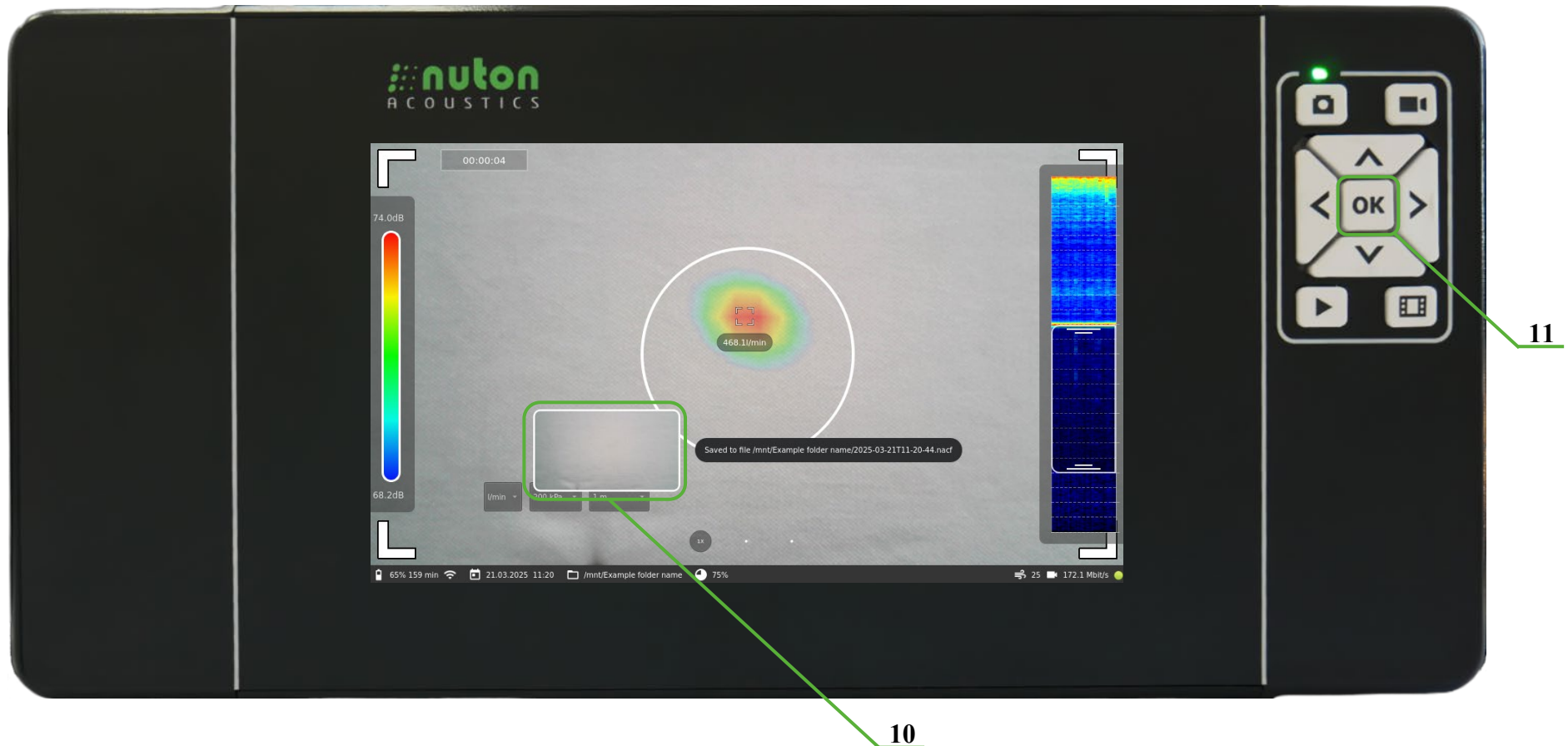
The Add Incident menu will open, where the following items will be automatically added, which will be used when creating the report (12): unit - taken from the name of the folder in which the container file is written, the sound pressure level of the leak, the frequency range in which the leak was detected, the pressure in the system, the distance to the leak and the leak rate. Press the button OK (13) to save the incident. Once the incident has been saved, press the button ▶ (14) to return to real-time viewing
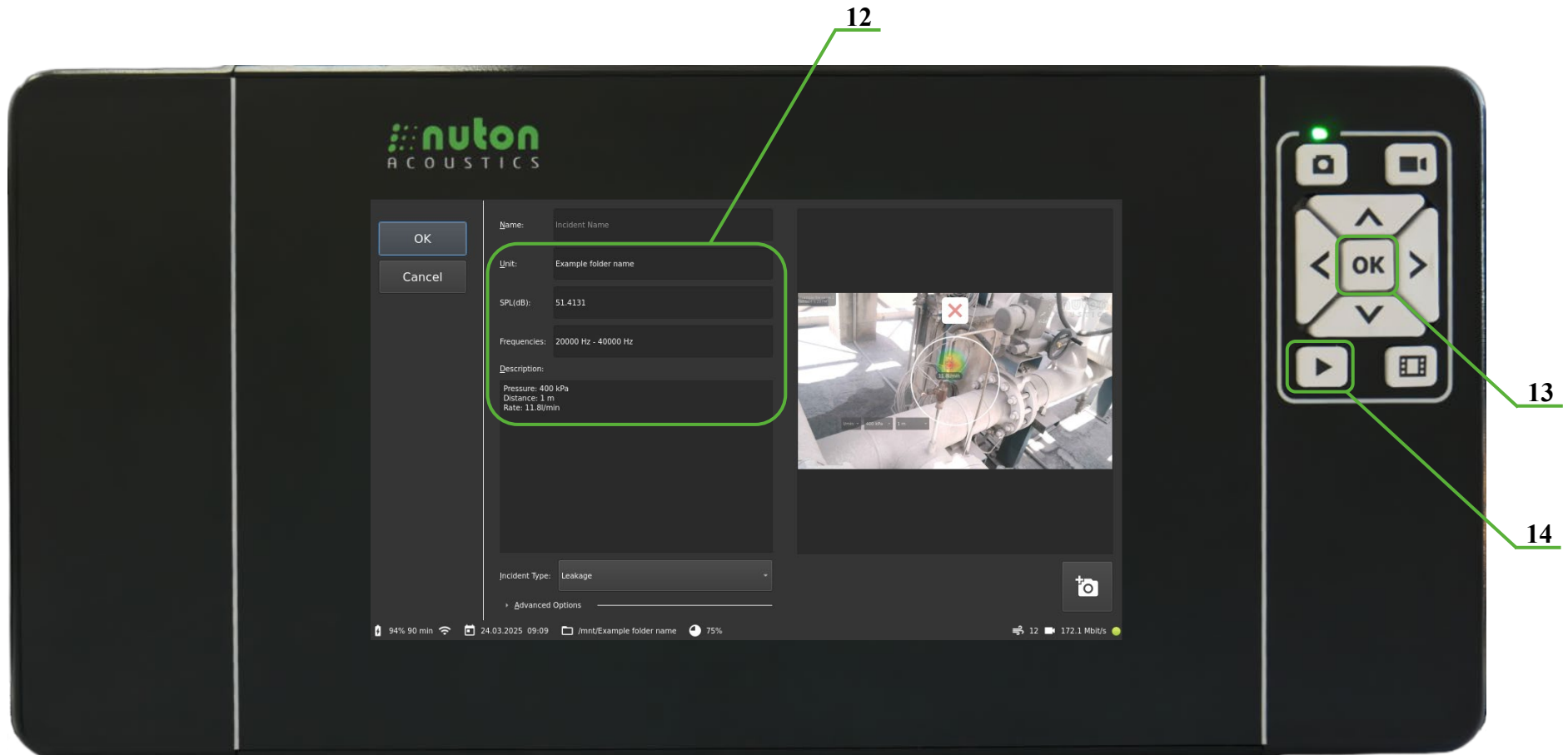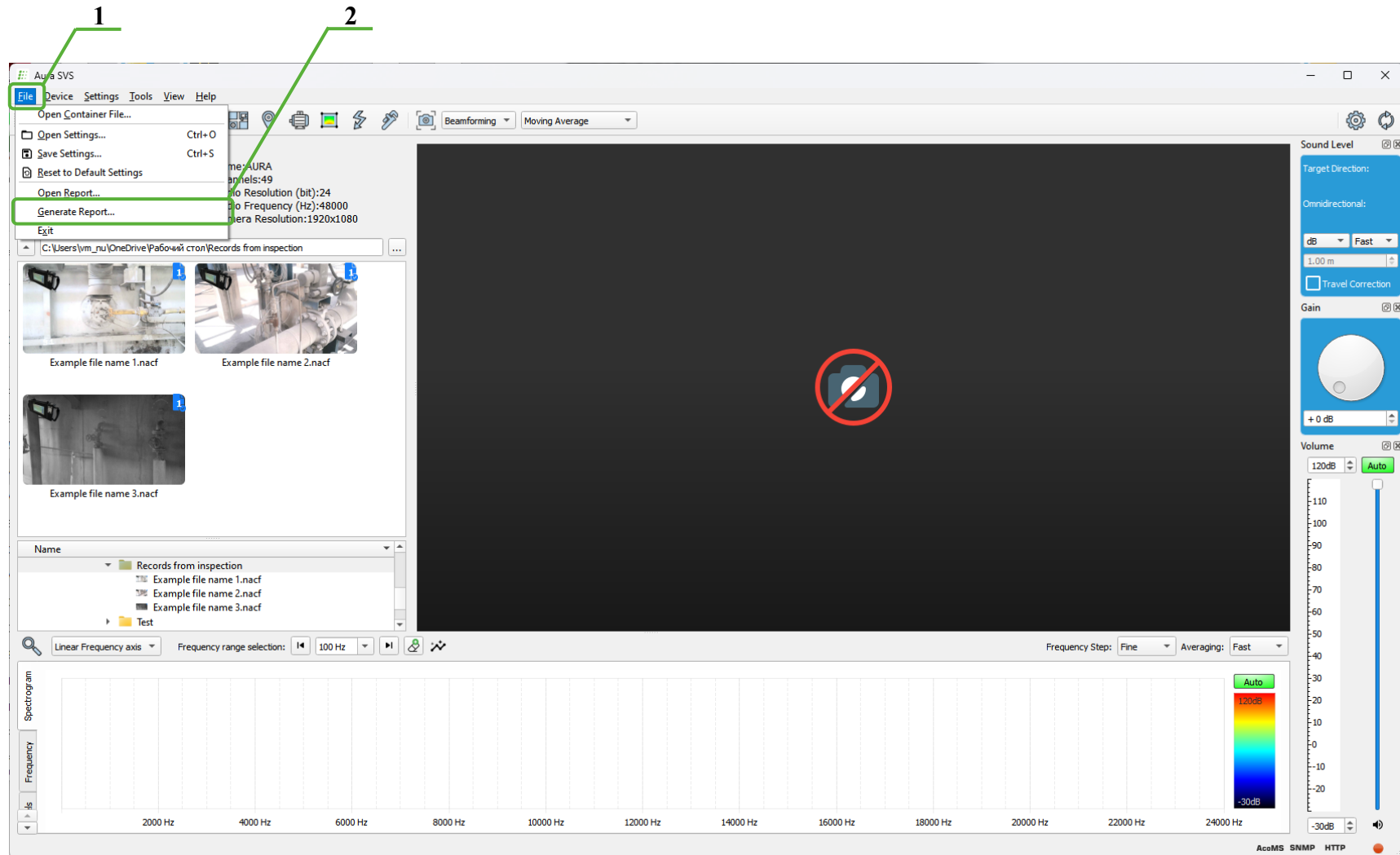
Continue the inspection, write container files and save incidents in them as described above until route is completed. At the end of the route, container files with the number one in the upper right corner (15) will be saved in the folder, meaning that an incident is saved in it and these container files can be used to create a report
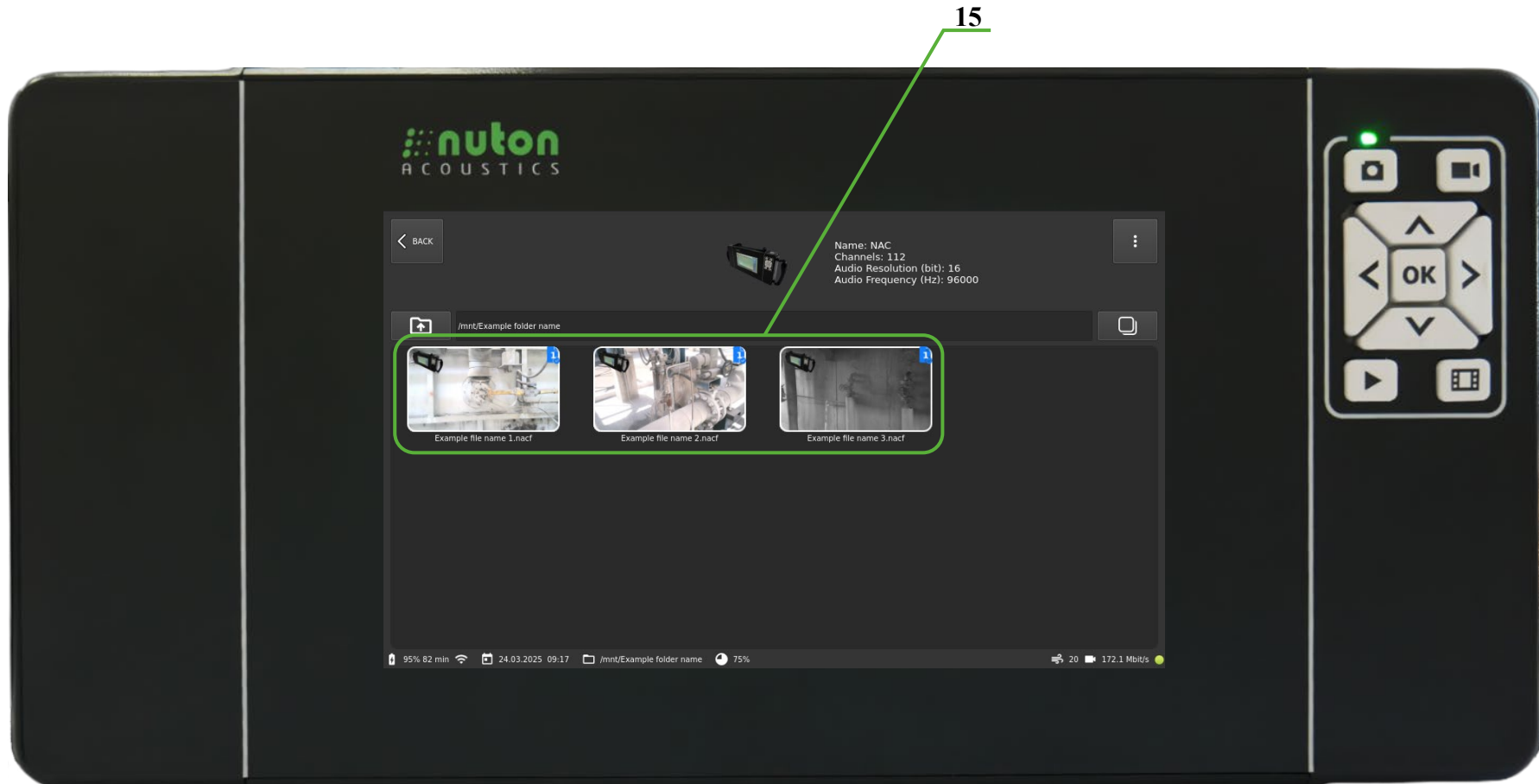
**Generating a report on the results of an inspection in the "Leakage" mode**

Copy the saved container files that were made during the inspection to a computer with the Aura SVS software installed. Launch the Aura SVS software and select the Generate Report (2) item from the File menu (1)
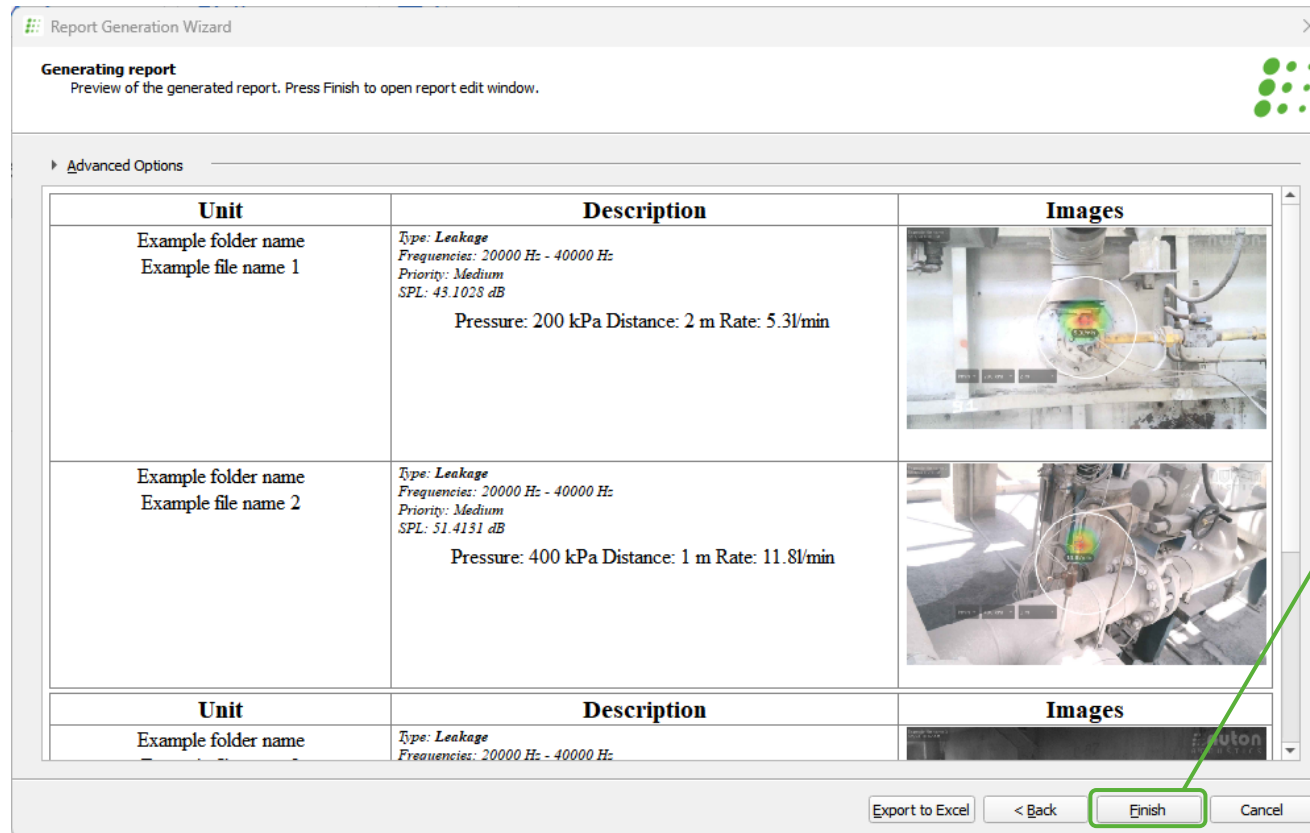
The report generation wizard will open. Select the folder (3) with the container files that were made during the inspection and click the Next button (4)
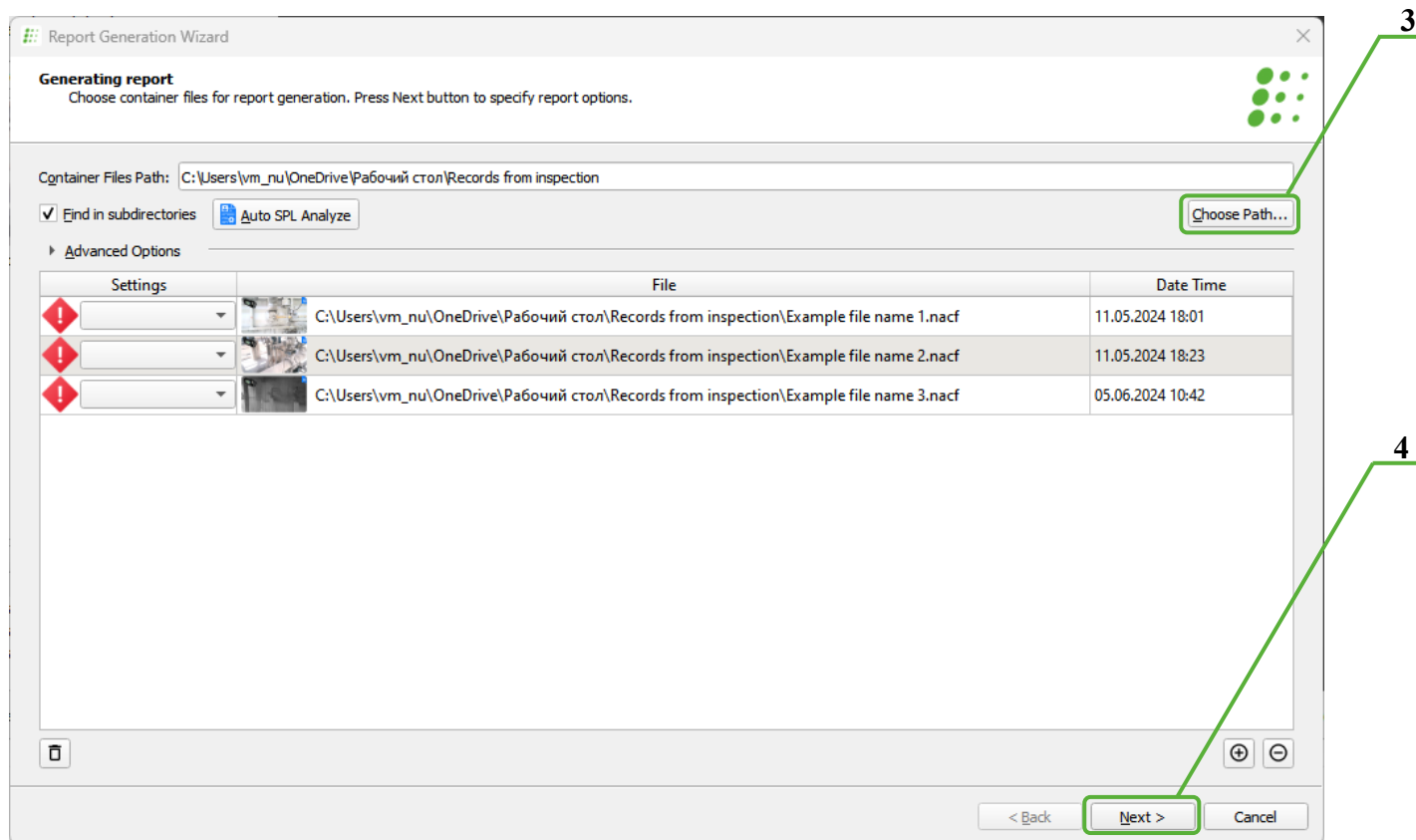
The report preview stage will open, in which click the Finish button (5)

The report editor will open, in which you enter the name of the company and the inspection location (6) and click the export to pdf button (7) and save the file
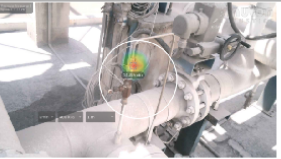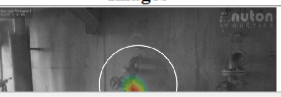
As a result, a report will be generated in pdf format with all the leaks detected based on the inspection results

| Unit | Description | Images |
|---|---|---|
| Example folder name<br>Example file name 1 | *Type:* **Leakage**<br>*Frequencies: 20000 Hz - 40000 Hz*<br>*Priority: Medium*<br>*SPL: 43.1028 dB*<br><br>Pressure: 200 kPa Distance: 2 m Rate: 5.3l/min |  |
| Example folder name<br>Example file name 2 | *Type:* **Leakage**<br>*Frequencies: 20000 Hz - 40000 Hz*<br>*Priority: Medium*<br>*SPL: 51.4131 dB*<br><br>Pressure: 400 kPa Distance: 1 m Rate: 11.8l/min |  |