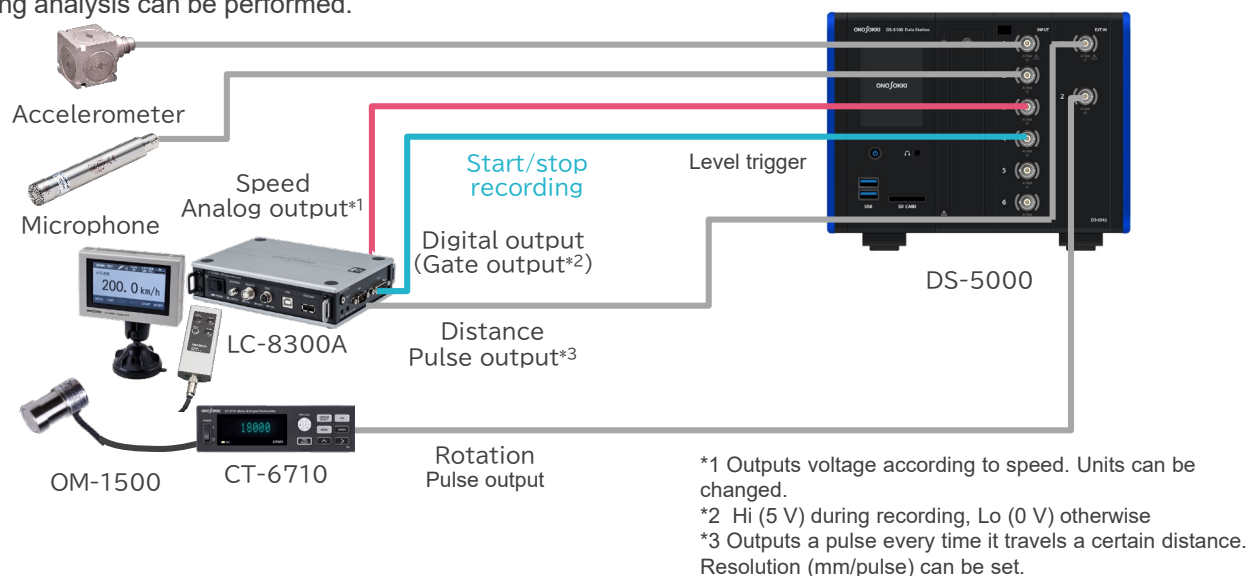


Actual vehicle NV test

Overview

Actual vehicle NV test is performed using a combination of FFT analyzer and GPS speedometer. Input the digital signals output from the LC-8300A to the DS-5000, apply trigger, and execute synchronized recording. With the various functions of LC-8300A, you can perform tests with good reproducibility.

By inputting the rotation pulse signal of CT-6710 into the DS-5000, the rotation speed tracking analysis can be performed, and by inputting the distance pulse signal of LC-8300A into the DS-5000, the vehicle speed tracking analysis can be performed.

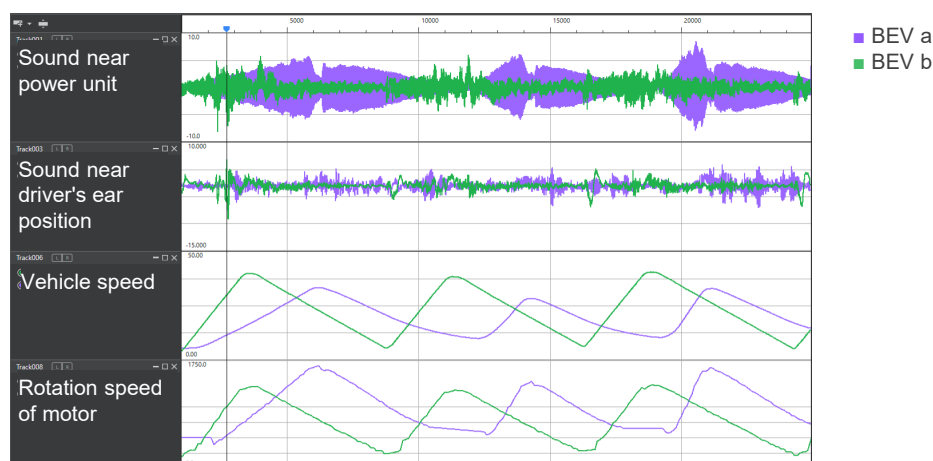


Flow of Start/ Stop recording by LC-8300A

- Start recording by operating the remote box, and then stop recording after traveling 100 m.
- Start recording at the moment the vehicle starts moving (vehicle speed > 0.2 km/h), and then stop recording when reaching 100 km/h.
- Start recording at the first white line on ISO compliant road surface, stop recording at the second white line.

Measurement results

Tipi-in-Tipi-out 10 ⇔ 40 km/h



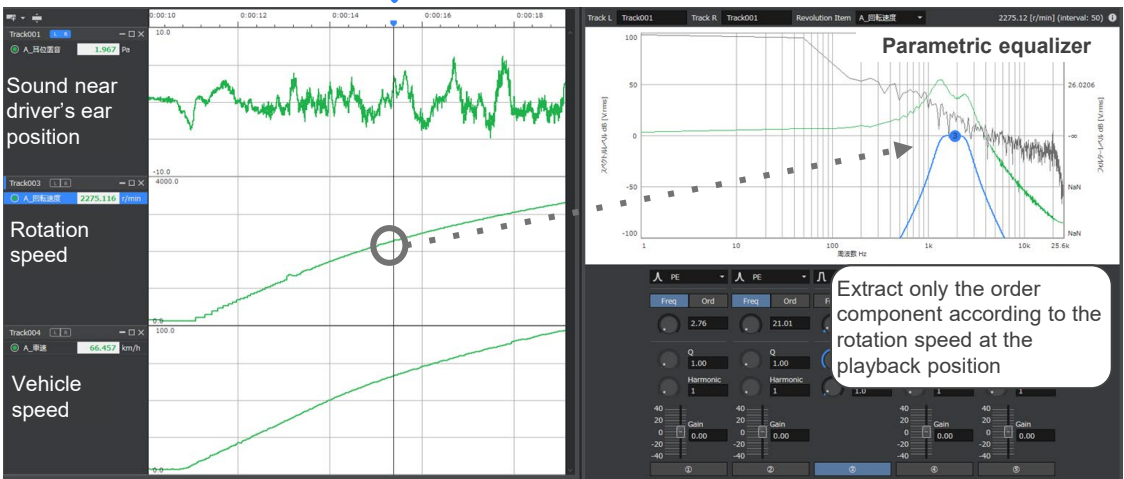
Visualized and analyzed by the O-Solution

* Contents of this document may change without prior notice.

Measurement results

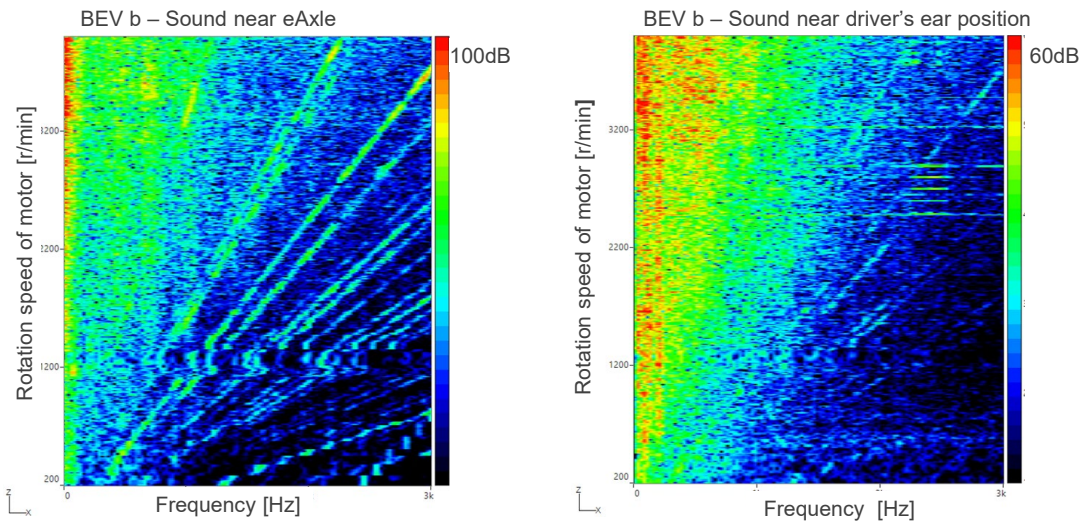
Sudden acceleration
(0→ 90 km/h) BEV b

Playback



Visualized and analyzed by the O-Solution

Sudden acceleration (0→ 90 km/h)
Rotational tracking analysis



Visualized and analyzed by the O-Solution

System configurations

Model	Product name
DS-5100	Main unit
DS-0526	6ch 40kHz Input unit
DS-0542	2ch External input Unit
DS-0501	Battery unit
OS-5100	O-Solution Platform
OS-0522	FFT Analysis function
OS-0523	Tracking Analysis function
OS-0512	Hardware Connection function
NP series	Accelerometer
MI series	Microphone

Model	Product name
LC-8300A	GPS Speedometer
LC-0866	Auxiliary input/output cable
OM-1500	Motor/gasoline engine RPM detector
CT-6710	Motor & Engine Tachometer

* Please select sensors according to applications.