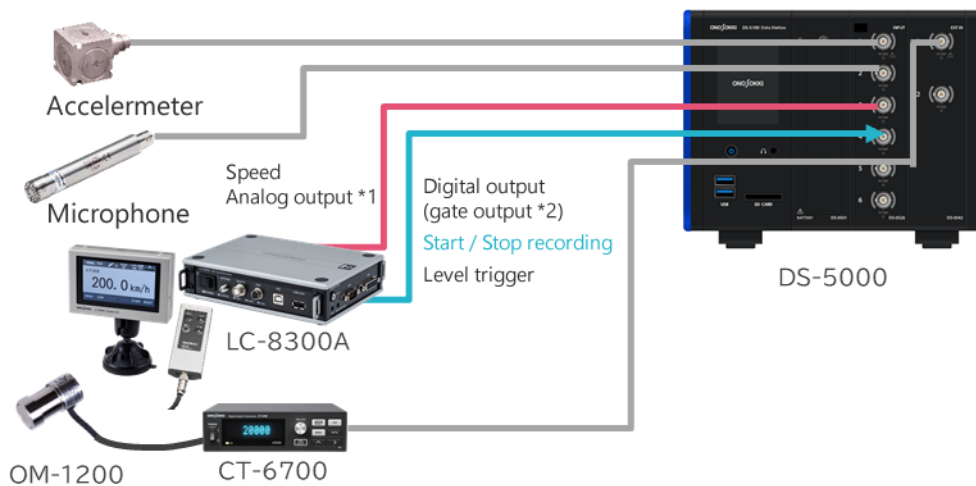


# Actual vehicle NV test

## 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.

\* Furthermore, by connecting the OM-1500 and CT-6700 to the DS-5000, rotation tracking analysis can be made.



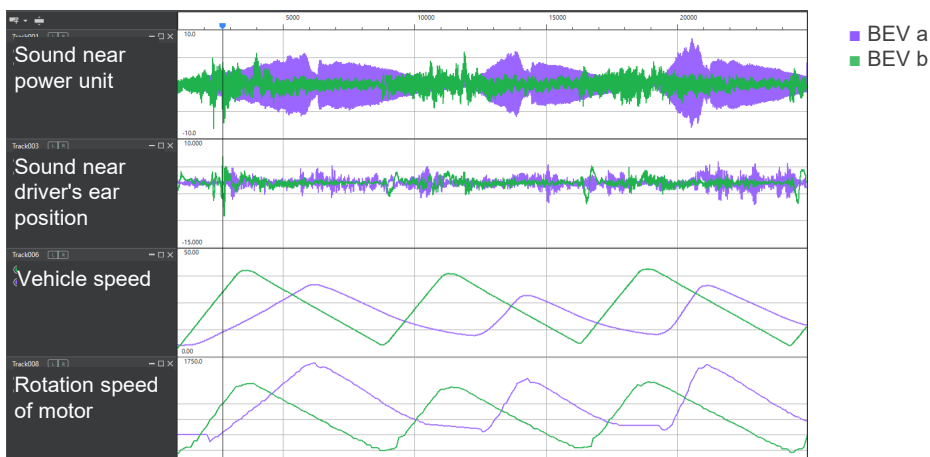
\*1 Outputs voltage according to speed. Units can be changed.  
 \*2 Hi (5 V) during recording, Lo (0 V) otherwise

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

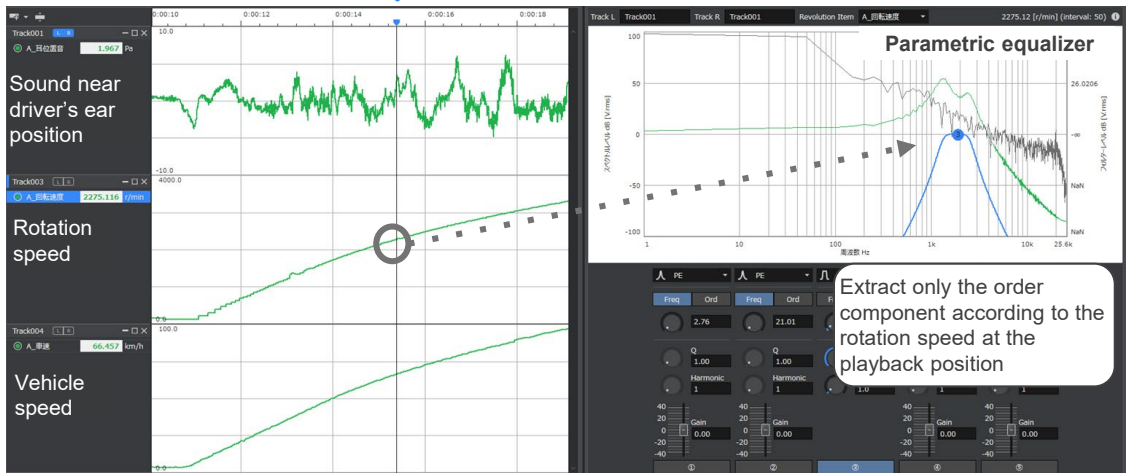


Visualized and analyzed by the O-Solution

## Measurement results

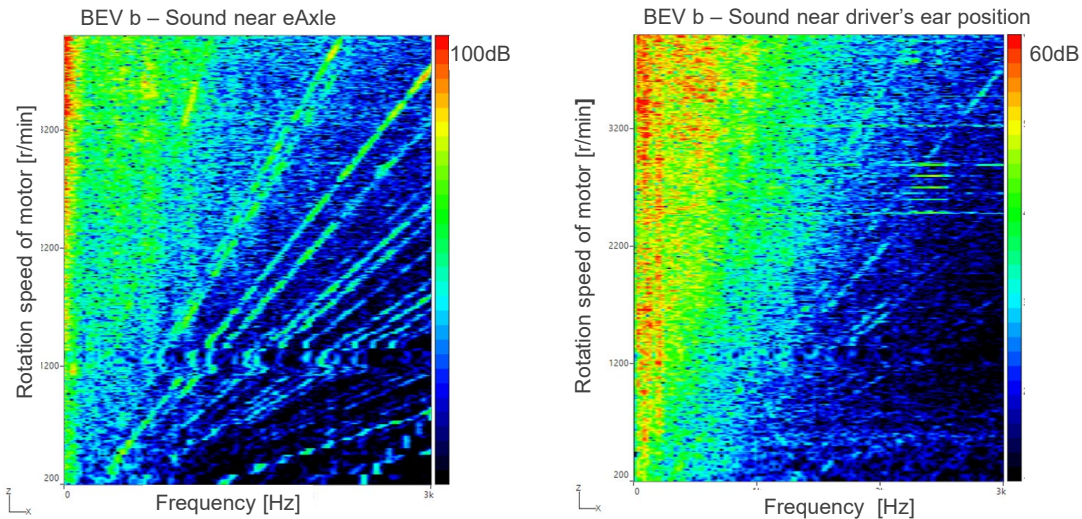
Sudden acceleration  
(0→90 km/h) BEV b

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
NP series	Accelerometer
MI series	Microphone

Model	Product name
LC-8300A	GPS Speedometer
LC-0866	Auxiliary input/output cable
OM-1200	Motor/engine RPM detector
CT-6700	Digital Engine Tachometer

\* Please select detectors according to applications.