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Activity – Audio System Wake-Up

INSTRUCTION

OBJECTIVE: Monitor network wake-up and investigate the audio system power up/down sequence with guided diagnostics.

CUSTOMER CONCERN: Intermittent No Audio

TIME: 30 Minutes

INSTRUCTION

With the vehicle LOCKED and network asleep, monitor wake-up strategy using PicoScope breakout box connected to DLC and Multimeter connected to AAM wake-up wire.

QUESTION 1

The PicoScope is connected to DLC pins 1 and 9; which CAN bus is currently being monitored?

QUESTION 2

What is the purpose of turning on the infotainment system when unlocking the vehicle?

QUESTION 3

What is the voltage on the AAM wake up wire with the vehicle still asleep?

INSTRUCTION

Unlock the vehicle.

QUESTION 4

What is the voltage on the AAM wake-up wire with the vehicle awake?

INSTRUCTION

- Turn on the ignition.
- Turn on the audio system and set the radio volume to 15 on the display.
- To simulate the customer complaint “loss of audio” open circuit the wake-up wire at the IMC.

QUESTION 5

How long does it take for the audio to drop out?

QUESTION 6

What do you notice about the volume bar display?

QUESTION 7

Start the car and put it in reverse. Do the park aid audible tones work?

QUESTION 8

Place the car in park. With the ignition ON, reconnect the AAM wake-up wire. What is the result?

INSTRUCTION

- Turn off the ignition.
- Lock the vehicle and arm it.
- Monitor the network activity.

QUESTION 9

How long did it take for the network to go to sleep after vehicle lock and arm?

INSTRUCTION

- Start an SDD session.
- Enter customer symptoms.

QUESTION 10

What can be determined from the session summary screen?

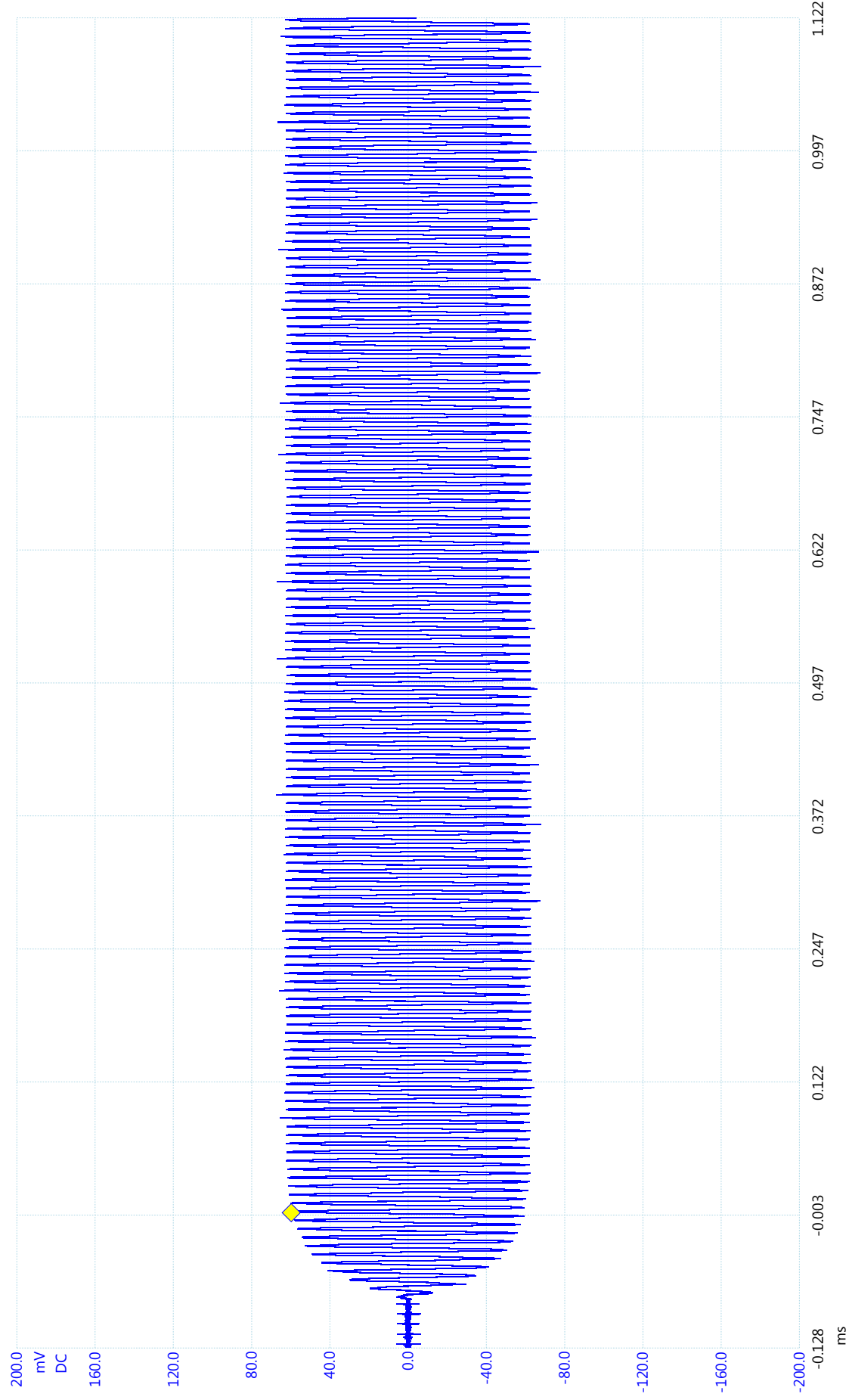
QUESTION 11

Are there any modules with 100% relevance to the symptoms entered? If so name the module and stored code and any additional information about the code(s).

QUESTION 12

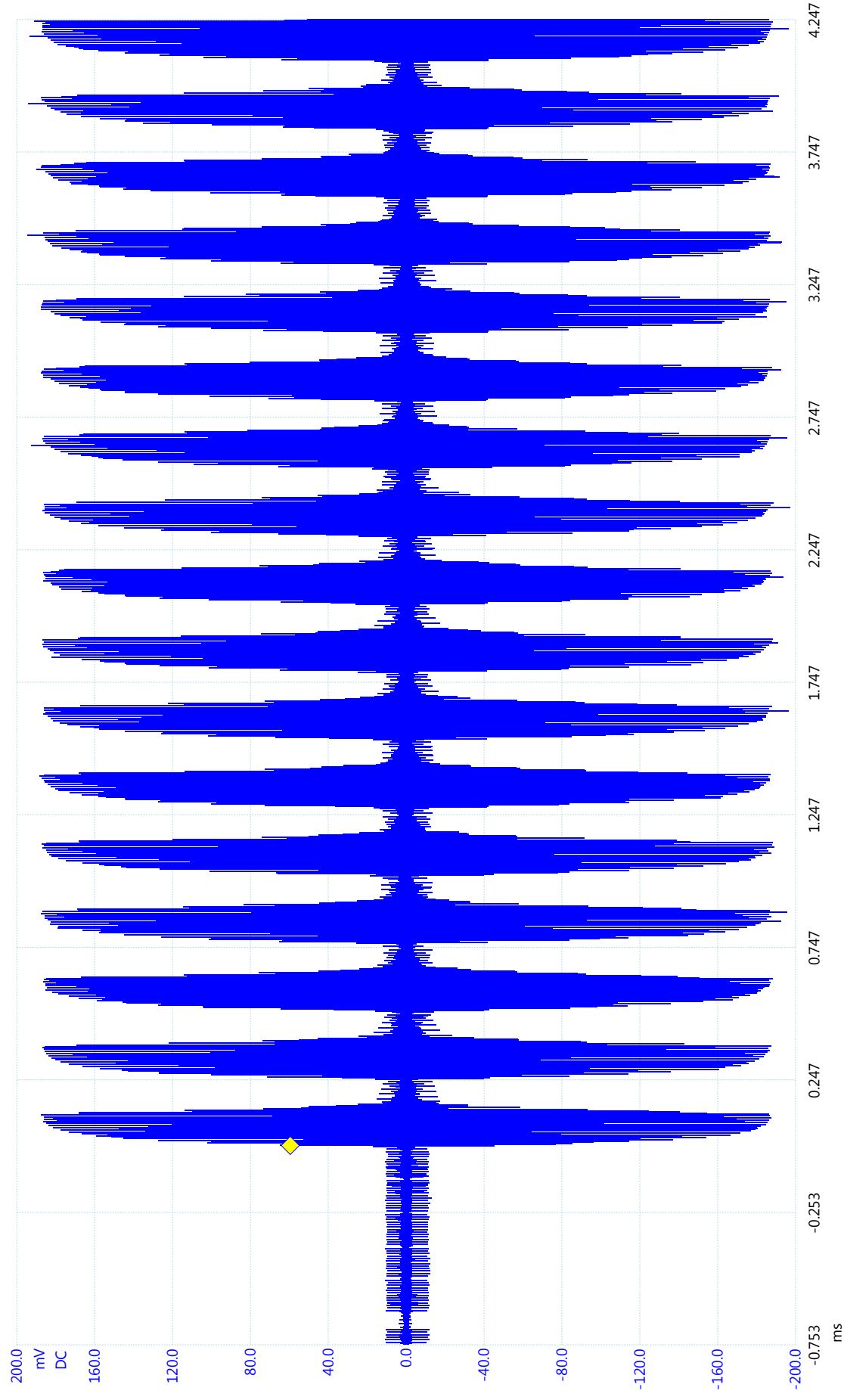
Using the Six Step Process, outline a diagnostic procedure for locating a fault with the Audio System.

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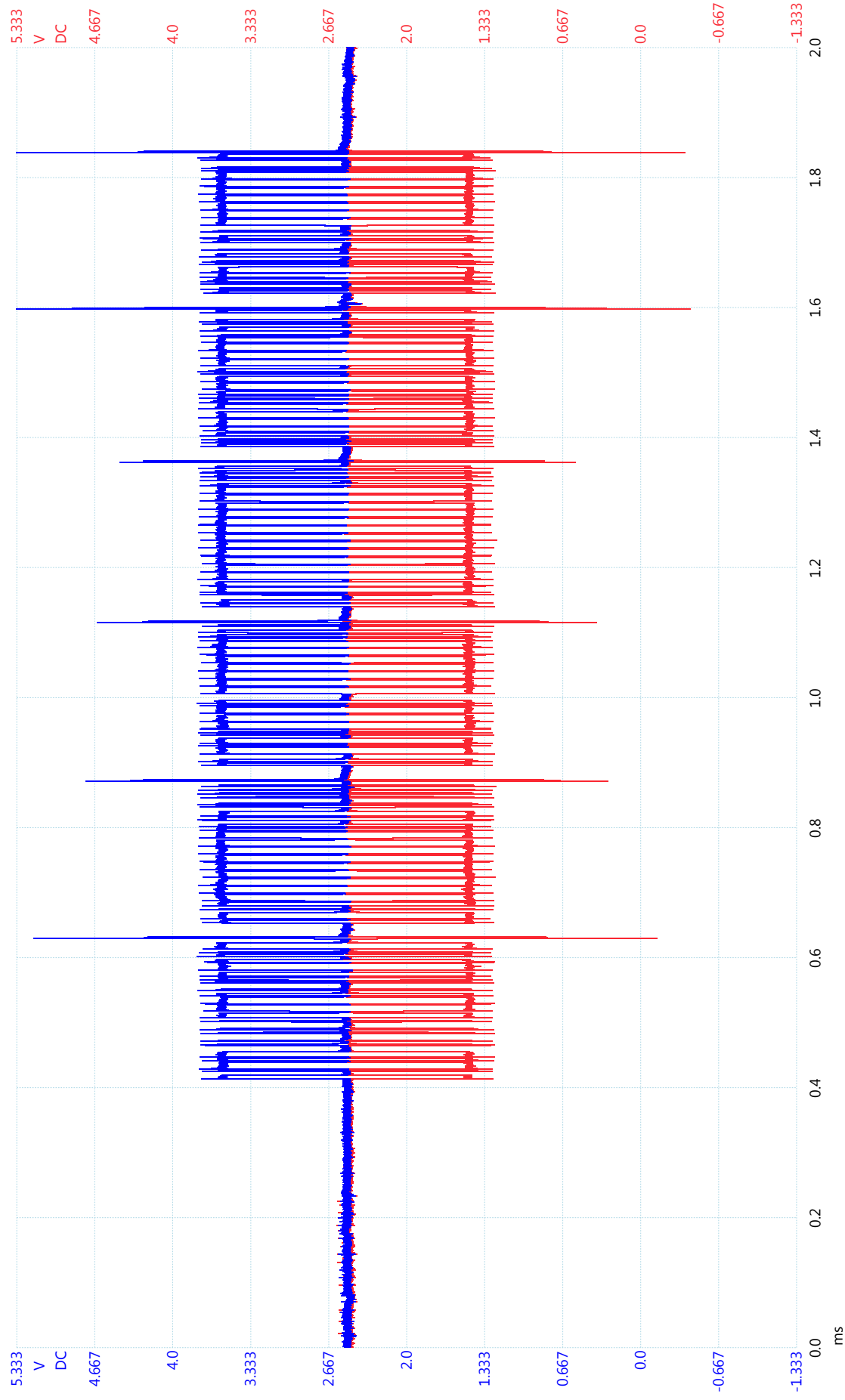
Activity Key Transponder

Vehicle Jaguar F-PACE
Year 2017



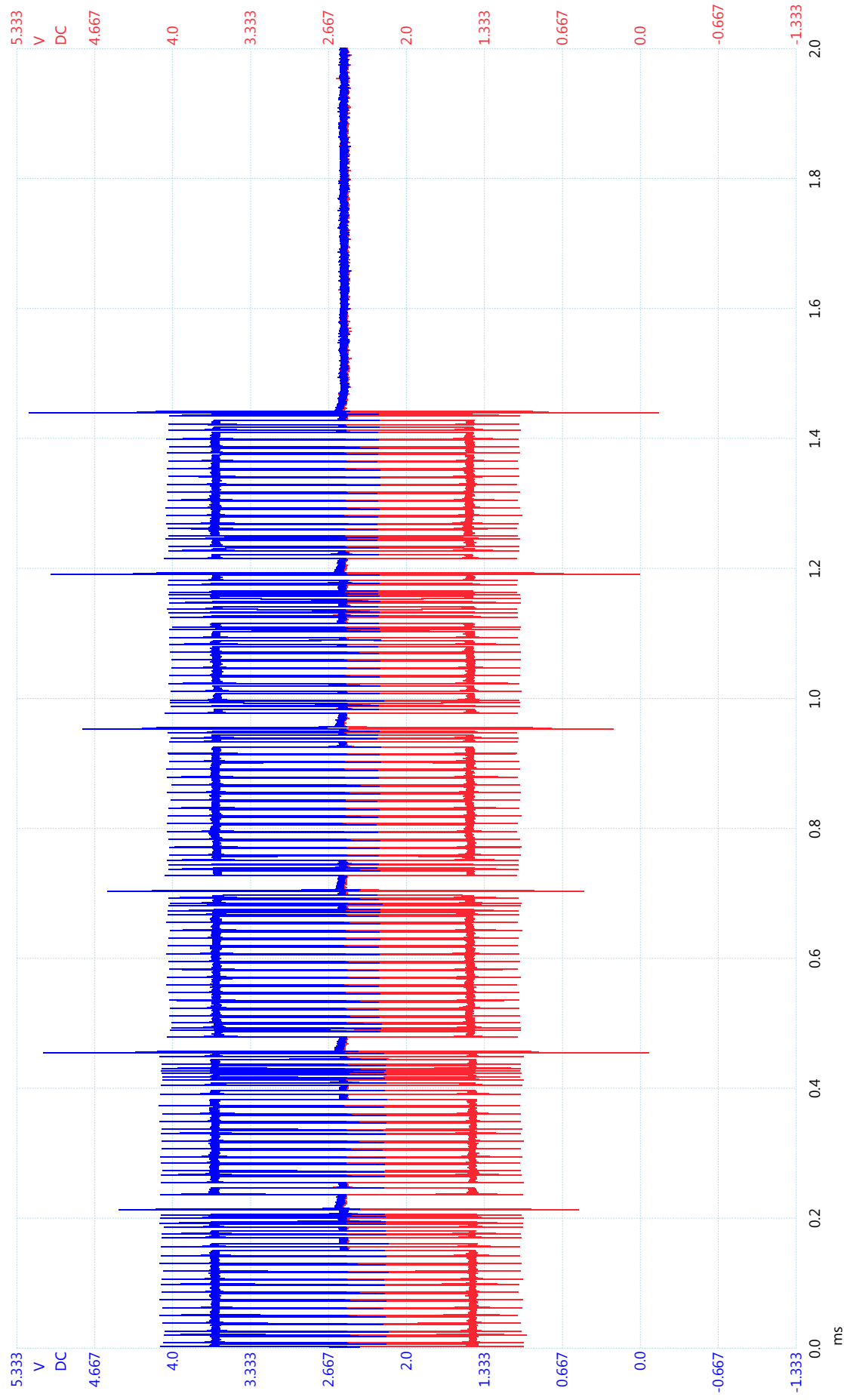
Door Handle LF Antennas

Vehicle Jaguar F-PACE
Year 2017



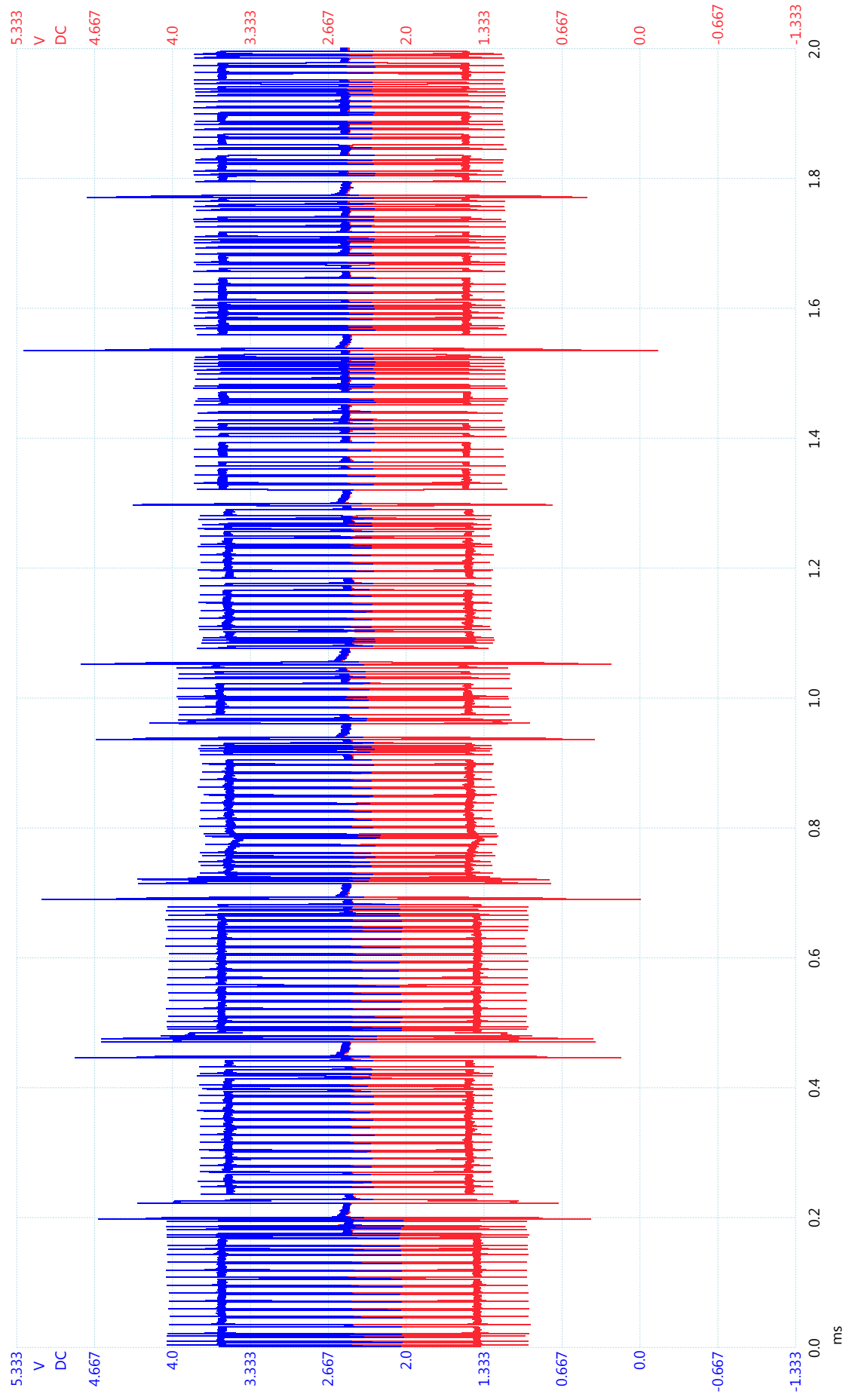
Chassis HS CAN

Vehicle Jaguar F-PACE
Year 2017



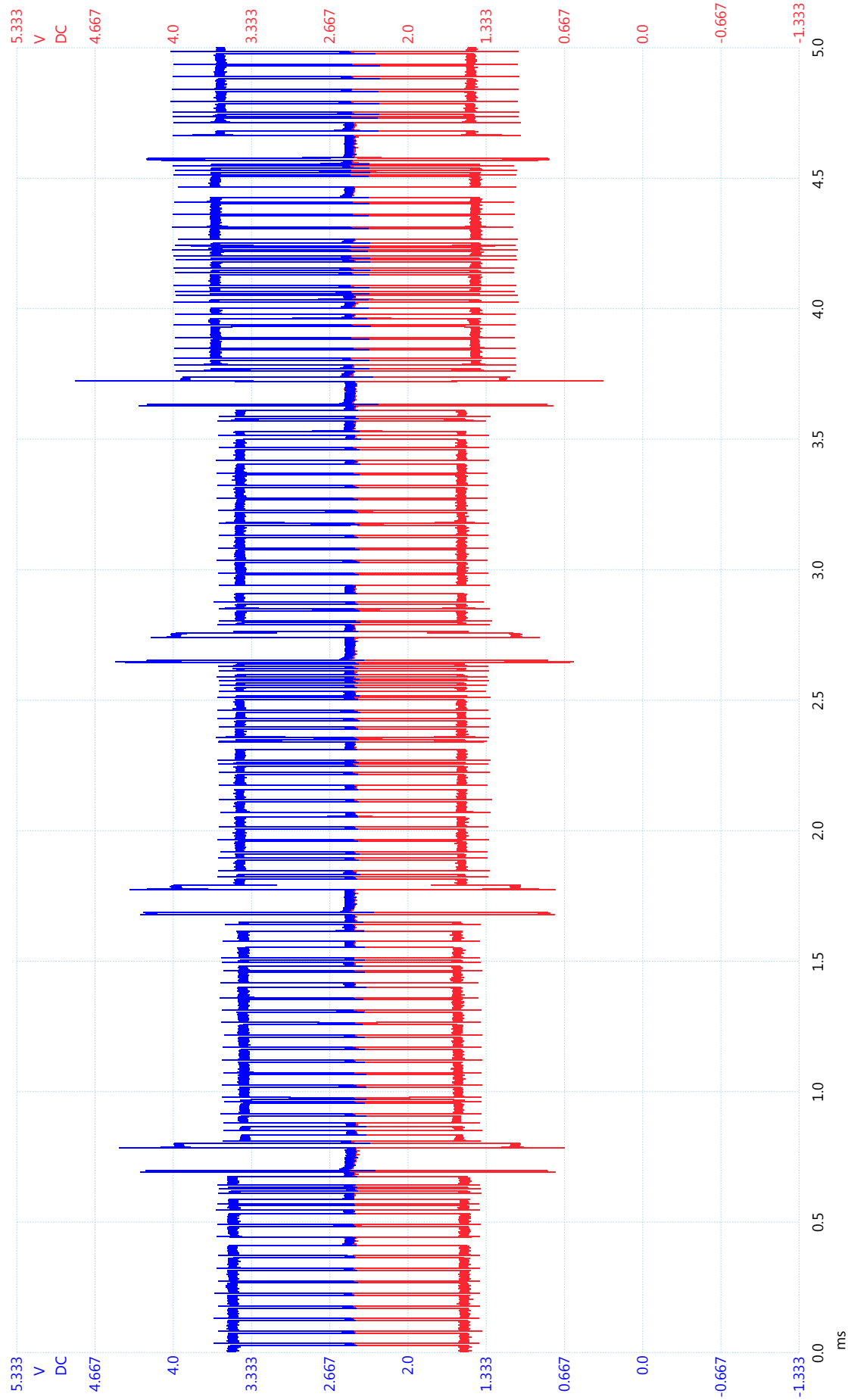
Comfort HS CAN

Vehicle Jaguar F-PACE
Year 2017



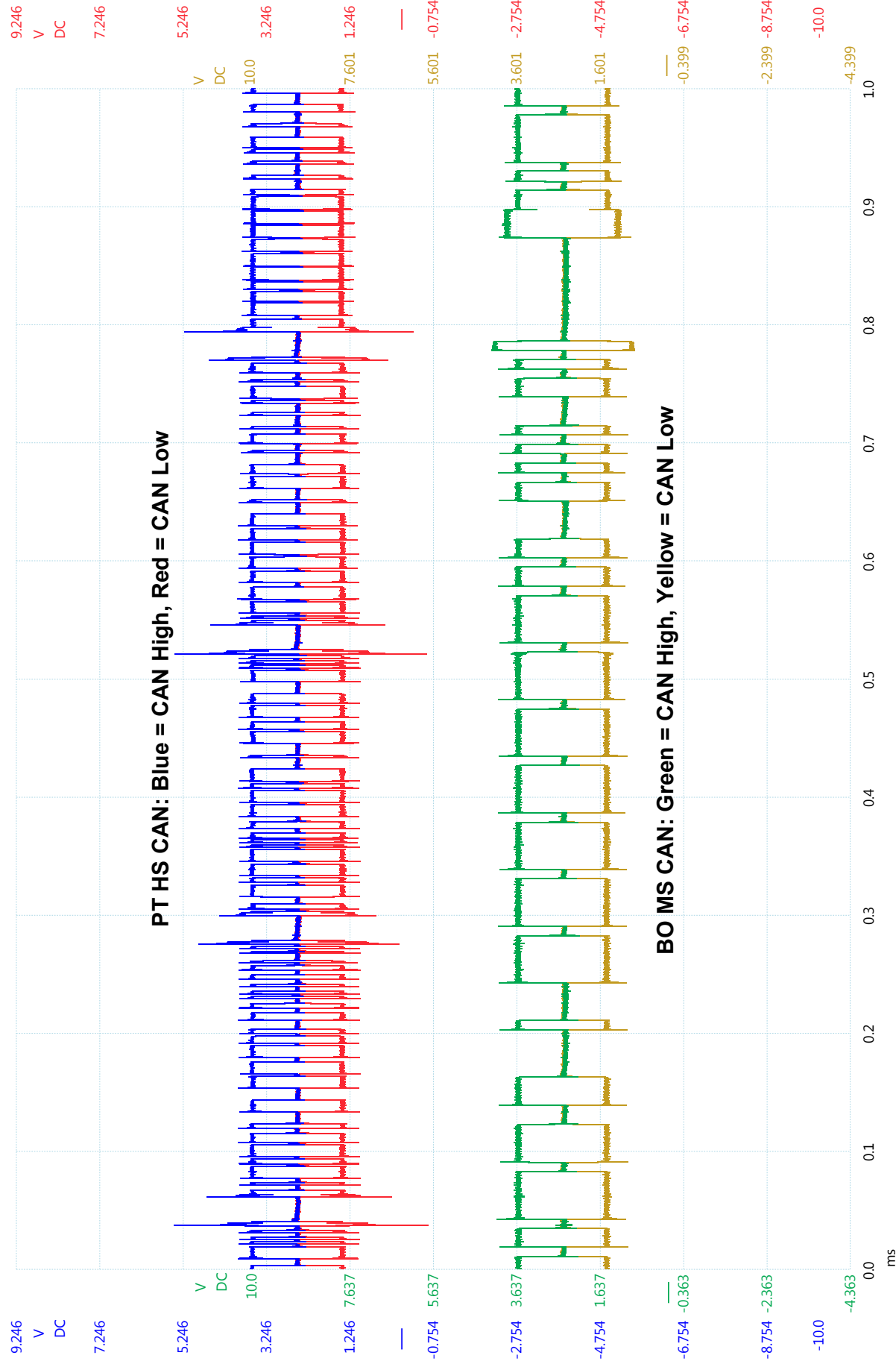
Powertrain HS CAN

Vehicle Jaguar F-PACE
Year 2017



Body MS CAN

Vehicle Jaguar F-PACE
Year 2017



Powertrain HS CAN / Body MS CAN – 2017 Jaguar XE 2.0 Diesel

