Tests :

In order to monitor the evolution of the performance during the different iterations of the project, tests were carried out at the different stages. Bus master scripts are used to test the system. As there are many parameters, many tests are performed. During all the tests, the Wi-Fi connection and the recording of the measurements are activated, as these are the most important parameters and will always be activated when the system is deployed.

The parameters adjusted during the tests are the recording rate and the CAN message rate. As one of the objectives of the project was to add a CAN filter, there are two CAN message rates, one for the messages destined to the telemetry system and another for the other messages on the CAN.