### FPBL extra test coverage table

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| --- | --- | --- | --- | --- | --- | --- |
| № | Test | Test 1 | Test 2 | Test 3 | Test 4 | Test 5 |
| 1 | Invalidation by single max speed threshold | + | + |  |  |  |
| 2 | Invalidation by total speed rejection threshold | + | + |  |  |  |
| 3 | Rejection of position with improbable speed | + | + |  |  |  |
| 4 | Default set “for\_coursa\_survey\_tool” | + | + |  |  |  |
| 5 | Add support of Corrector\_SetFixMagMeasCovMatrix |  |  | + |  |  |
| 6 | WiFi and BLP Ignore lists interface update |  |  |  | + |  |
| 7 | Position uncertainty limit setting for fingerprints in venue.json file |  |  |  |  | + |
| 8 | nav\_phase flag |  |  |  |  |  |
| 9 | Bug with #ind values | + |  |  |  |  |

### FPBL test procedures

1. AEON venue test

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| **№** | **Action** | **Result** |
| 1 | Run FPBL console for AeonKawaguchiMaekawa venue with parameters as defined below |  |
|  | Venue: AeonKawaguchiMaekawa  magnetic\_enable: true  WiFi\_enable: true  BLE\_enable: false  ble\_proximity\_enable: false  default\_mag\_validators: " for\_coursa\_survey\_tool ",  input data:  \\cayyc-proj01\compute02\FPL\_DATA\SurveyMap\datasets\prod\AeonKawaguchiMaekawa\SurveyDatasets\ |  |
| 2 | Check for error and warning messages in console log | No error and warnings |
| 3 | Check that all fingerprints, grids and other required files are presented in output folders | The following file presented and not empty: \*.mfp4, \*.mfp3, \*.wfp4, \*.wfp3, \*.maggrid, \*.wifigrid, validation\_log.csv  Wifi\_log.csv |
| 4 | Check validation\_log.csv for presence of data from three new validators | Reports from all new validators are presented |
| 5 | Check for rejection percentage and reasonability | Correct rejection values in validation log |
| 6 | Compare fingerprints with and validation logs with the ones from testing provided during development | Fingerprints and logs are equal or have sensible difference |
| 7 | Check validation logs for #ind values | There is no #ind values in the file |

1. SchucksDesPeres

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| **№** | **Action** | **Result** |
| 1 | Run FPBL console for SchucksDesPeres venue with parameters as defined below |  |
| 2 | Venue: SchucksDesPeres  magnetic\_enable: true  WiFi\_enable: true  BLE\_enable: false  ble\_proximity\_enable: false  default\_mag\_validators: " for\_coursa\_survey\_tool ",  input data: \\cayyc-proj01\compute02\FPL\_DATA\SurveyMap\datasets\prod\Schnucks-DesPeres\SurveyDatasets\ |  |
| 2 | Check for error and warning messages in console log | No error and warnings |
| 3 | Check that all fingerprints, grids and other required files are presented in output folders | The following file presented and not empty: \*.mfp4, \*.mfp3, \*.wfp4, \*.wfp3, \*.maggrid, \*.wifigrid, validation\_log.csv  Wifi\_log.csv |
| 4 | Check validation\_log.csv for presence of data from three new validators | Reports from all new validators are presented |
| 5 | Check for rejection percentage and reasonability | Correct rejection values in validation log |
| 6 | Execute KPI testing (from MASTER branch) for built fingerprints and for reference fingerprints from the server | KPI results are matches |

1. Support of Corrector\_SetFixMagMeasCovMatrix

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| **№** | **Action** | **Result** |
| 1 | Run FPBL console for AeonKawaguchiMaekawa venue with parameters as defined below |  |
|  | Venue: AeonKawaguchiMaekawa  magnetic\_enable: true  WiFi\_enable: true  BLE\_enable: false  ble\_proximity\_enable: false  default\_mag\_validators: " for\_coursa\_survey\_tool ",  **additionally enable Corrector\_SetFixMagMeasCovMatrix in venue json**  **additionally enable “Single max speed threshold” in venue json**  **additionally enable Corrector\_SetFixMagMeasCovMatrix in venue json**  **additionally enable Corrector\_SetFixMagMeasCovMatrix in venue json**  input data:  \\cayyc-proj01\compute02\FPL\_DATA\SurveyMap\datasets\prod\AeonKawaguchiMaekawa\SurveyDatasets\ |  |
| 2 | Check for error and warning messages in console log | No error and warnings |
| 3 | Check that all fingerprints, grids and other required files are presented in output folders | The following file presented and not empty: \*.mfp4, \*.mfp3, \*.wfp4, \*.wfp3, \*.blp4, \*blp3, \*.maggrid, \*.wifigrid, validation\_log.csv |
| 4 | Check validation\_log.csv for presence of data from all validators (default + add) | All data are presented and reasonable |

1. WiFi and BLP Ignore lists interface update

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| **№** | **Action** | **Result** |
| 1.a | Run FPBL console for ISJ\_all\_floors venue with parameters as defined below |  |
|  | Venue: ISJ\_all\_floors  magnetic\_enable: true  WiFi\_enable: true  BLE\_enable: true  ble\_proximity\_enable: false  add wifi ignore list in venue.json  add BLE ignore list in venue.json  venue.json: [\\cayyc-proj01\compute02\FPL\_DATA\test\_data\FPBL\_release\_testing\ISJ\FPBLIn\venue.json](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\FPBL_release_testing\ISJ\FPBLIn\venue.json)  input data: [\\cayyc-proj01\compute02\FPL\_DATA\test\_data\FPBL\_release\_testing\ISJ\SurveyDatasets\](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\FPBL_release_testing\ISJ\SurveyDatasets\) |  |
| 2 | Check WiFi and BLE fingerprint for AP from ignore list | No AP from ignore list into fingerprints and grids |
| 3 | Add file with additional WiFi ignorefist by command wifi\_ignore\_list |  |
| 4 | Check WiFi fingerprint for AP from ignore list | No AP from ignore list into fingerprints and grids |
| 5 | Add file with additional WiFi ignorefist by command ble\_ignore\_list |  |
| 6 | Check WiFi fingerprint for AP from ignore list | No AP from ignore list into fingerprints and grids |

1. Position uncertainty limit setting

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| **№** | **Action** | **Result** |
| 1.a | Run FPBL console for ISJ\_all\_floors venue with parameters as defined below |  |
|  | Venue: ISJ\_all\_floors  magnetic\_enable: true  WiFi\_enable: true  BLE\_enable: true  ble\_proximity\_enable: false  **no rejection thresholds mentioned in venue json**  venue.json: [\\cayyc-proj01\compute02\FPL\_DATA\test\_data\FPBL\_release\_testing\ISJ\FPBLIn\venue.json](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\FPBL_release_testing\ISJ\FPBLIn\venue.json)  input data: [\\cayyc-proj01\compute02\FPL\_DATA\test\_data\FPBL\_release\_testing\ISJ\SurveyDatasets\](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\FPBL_release_testing\ISJ\SurveyDatasets\) |  |
| 1.b | Run FPBL console for ISJ\_all\_floors venue with parameters as defined below |  |
|  | Venue: ISJ\_all\_floors  magnetic\_enable: true  WiFi\_enable: true  BLE\_enable: true  ble\_proximity\_enable: false  **set rejection thresholds for all enabled fingerprints as default**  venue.json: [\\cayyc-proj01\compute02\FPL\_DATA\test\_data\FPBL\_release\_testing\ISJ\FPBLIn\venue.json](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\FPBL_release_testing\ISJ\FPBLIn\venue.json)  input data: [\\cayyc-proj01\compute02\FPL\_DATA\test\_data\FPBL\_release\_testing\ISJ\SurveyDatasets\](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\FPBL_release_testing\ISJ\SurveyDatasets\) |  |
| 1.c | Run FPBL console for ISJ\_all\_floors venue with parameters as defined below |  |
|  | Venue: ISJ\_all\_floors  magnetic\_enable: true  WiFi\_enable: true  BLE\_enable: true  ble\_proximity\_enable: false  **set rejection thresholds for all enabled fingerprints as 10000m**  venue.json: [\\cayyc-proj01\compute02\FPL\_DATA\test\_data\FPBL\_release\_testing\ISJ\FPBLIn\venue.json](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\FPBL_release_testing\ISJ\FPBLIn\venue.json)  input data: [\\cayyc-proj01\compute02\FPL\_DATA\test\_data\FPBL\_release\_testing\ISJ\SurveyDatasets\](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\FPBL_release_testing\ISJ\SurveyDatasets\) |  |
| 1.d | Run FPBL console for ISJ\_all\_floors venue with parameters as defined below |  |
|  | Venue: ISJ\_all\_floors  magnetic\_enable: true  WiFi\_enable: true  BLE\_enable: true  ble\_proximity\_enable: false  **set rejection thresholds for all enabled fingerprints as 0.1m**  venue.json: [\\cayyc-proj01\compute02\FPL\_DATA\test\_data\FPBL\_release\_testing\ISJ\FPBLIn\venue.json](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\FPBL_release_testing\ISJ\FPBLIn\venue.json)  input data: [\\cayyc-proj01\compute02\FPL\_DATA\test\_data\FPBL\_release\_testing\ISJ\SurveyDatasets\](file:///\\cayyc-proj01\compute02\FPL_DATA\test_data\FPBL_release_testing\ISJ\SurveyDatasets\) |  |
| 2 | Compare and fingerprints and grids as follows |  |
| 2.a | 1.a vs 1.b | All are equal |
| 2.b | 1.a vs 1.c | 1.c contains more data |
| 2.c | 1.d | 1.d do not contain data |