Plan for Data Collection

Scene Recognition

Why

to distinguish whether the AirCase in inside something.

What to collect

Light Signals from different scenes at different moments

Who

10 participants with their (2) pockets and (1) backpack

Where

1. in Pockets (if possible) for 3 min

2. in Backpacks for 3 min

\* in addition: outside pocket and backpack, on the tables in arbitrary rooms (the same quantity with that inside sth.)

When

in the morning, in the afternoon, in the evening (in darkness)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | In the morning | In the afternoon | In the evening (darkness) | In Total |
| Inside | Pocket | 20 | 20 | 20 | 90 |
| Backpack | 10 | 10 | 10 |
| Outside | | 30 | 30 | 30 | 90 |

Indoor Localization

Why

to distinguish different rooms with spectrum.

What to collect

Spectrum in different rooms in different aspects at different moments

Where

5 rooms, 8 Aspects, 1 min repectively.

When

in the morning, in the afternoon, in the evening (in darkness)