

# R26 Survey Test



## 1. Test location:

- ① Top floor 7th floor
- ② In the middle of the open parking lot
- ③ Below the window in the alley where the A10 antenna installed
- ④ On the Lawn and under trees Beside River

## 2. Test Results:

- (1) Set up a base and a rover at location ①, the signal is very good and

you can search satellites up to 39, RTK in app is fixed (fixed)

(2) Set up a base and a rover at location ②, the signal is not bad, up to 32 satellite search, RTK in app can also be fixed (fixed)

(3) Set up a base and a rover at location ③, the signal is generally up to 20 satellites, RTK in app cannot be fixed, and it has always been a floating point solution (float)

(4) Test at location ④:

Situation 1: Set the base and rover in the lawn, the signal is up to 34 satellite search, RTK in app can be fixed (fixed)

Situation 2: Set the base and rover under the tree, the signal can reach 33 satellites, but the RTK in app cannot be fixed, it is a floating point solution (float)

Situation 3: Set up the base on the lawn, and then set up the rover under the tree, the signal can reach 33 satellites, but the RTK in app cannot be fixed, it is a floating point solution (float)

Situation 4: Set up the rover on the lawn, and then set up the base under the tree, the signal can reach 41 satellite search, but RTK in app can also be fixed (fixed)

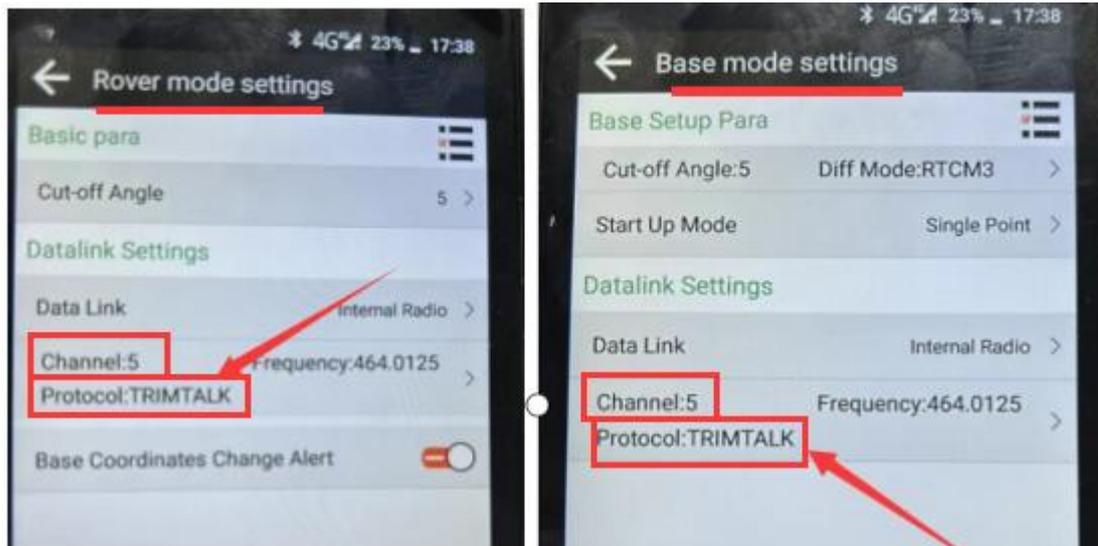
### 3. Test conclusion:

RTK can usually be fixed if Surveying Rover in an open place without block, and RTK is float in places where there are trees or buildings that block the signal and the signal is not good.



### 4. Problems encountered during testing:

In frequent switching settings, there is a problem that the protocol is replaced, and the base and rover need to be readjusted to the same protocol and channel to receive RTK data



### Steps to switch protocols:

First reset R26 to base/rover, and then you can select the specified protocol in the base/rover settings