1.

A screenshot of a cell phone

Description automatically generated

Error message happens once the drone2 is turned on.

The link 732: A screen shot of a clock

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The details of the error: NRF\_ERROR\_INVALID\_STATE:

A screenshot of a cell phone

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Since the SCAN time is set to continuing scanning until explicitly stopped, it should be no effect to get rid of these two lines.

2.

Update: problem 1 solved by getting rid of these two lines and able to get the updated rssi from another drone (slave drone)

Error: the transaction only happens once then disconnect.

A screenshot of a cell phone

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The problem code:

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Explain: 

3.

Update: problem 2 Solved by decreasing the update frequency.

Error: the data still only update once.

Setting: drone2 and drone3, looking the log of drone2.

The rssi4 update once then remains, the rssi3 not updated at all.

New updates: they are actually updating, both rssi3 and rssi4 so the connection and traction are good. Need better way to visualize the data and the log might be the cause of failure. (No stable connection, need a mechanism of reconnection after losing it. Or it might just because of error happening)

4.

Setting: drone1, drone2, drone3. Look at the log of drone2

Update: No problem with both connections. It crashed after a few updates of rssi4(no error info in the log). But sometimes, it could run all expected.

The problem should be at the drone2: drone1 and drone could run after the system crash.

5.

Setting: look drone1 log. Using drone1, drone2 and drone3

Update: problem 3,4 solved by separating the handling the client and slave info. From the log of drone1, could see the continuous updating rssi1, rssi2, rssi3, and rssi4

6.

Setting: using ble deck as drone1, dk as drone2 and drone3, look at the log of the drone client. The rssi1, rssi2, rssi3 and rssi4 can be updated.

A close up of a screen

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A black sign with white text

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But the rssi data especially rssi1 looks weird.