Start

- $|P_{r, curr} - P_{r, prev}| \geq \Psi_{scan}$?
  - NO
    - Scanning channels to find out neighbor transmitters
    - Saving the RSS values measured from neighbor transmitters’ signals
  - YES
    - Scanning channels and saving the measured RSS values
    - Predicting the future RSS values of user device
    - Determining the best neighbor transmitter based on future predicted RSS values
      - YES
        - Associated with determined neighbor transmitter before?
          - NO
            - Starting association and synchronization processes with the best neighbor transmitter
          - YES
            - Disconnecting with current serving transmitter and starting data transmission with the selected neighbor transmitter
        - NO
          - Assoc_thr $\leq P_{r, curr} < \frac{Scan_thr}{2}$?
            - NO
              - LS_thr $\leq P_{r, curr} < Assoc_thr$?
                - NO
                  - $P_{r, curr} < LS_thr$?
                    - NO
                      - END
                    - YES
                      - END
                - YES
                  - END
              - END
            - END
          - END
        - END
    - END
  - END

Receiving data following IEEE 802.15.7 MAC superframe operation