**Receiver(Alıcı) Görevindeki Cihaz:**

#include <SPI.h>

#include <LoRa.h>

#include "SSD1306.h"

#include <WiFiMulti.h>

WiFiMulti WiFiMulti;

WiFiServer wifiServer(4501);

SSD1306 display(0x3c, 4, 15);

#define SS 18

#define RST 14

#define DI0 26

#define BAND 433E6

void setup()

{

pinMode(16,OUTPUT);

digitalWrite(16, LOW);

delay(50);

digitalWrite(16, HIGH);

display.init();

display.flipScreenVertically();

display.setFont(ArialMT\_Plain\_10);

display.setTextAlignment(TEXT\_ALIGN\_LEFT);

Serial.begin(115200);

WiFiMulti.addAP("sebil", "12345678"); //Alihan iPhone'u alihan07

Serial.println();

Serial.println();

Serial.print("wifi bekleniyor... ");

while(WiFiMulti.run() != WL\_CONNECTED)

{

Serial.print(".");

delay(500);

}

Serial.println("");

Serial.println("WiFi baglandi!");

Serial.println("IP address: ");

Serial.println(WiFi.localIP());

delay(500);

while (!Serial);

delay(1000);

Serial.println("...LoRa Alici...");

display.drawString(5,5,"...LoRa Alici...");

display.display();

SPI.begin(5,19,27,18);

LoRa.setPins(SS,RST,DI0);

if (!LoRa.begin(BAND))

{

display.drawString(5,25,"Starting LoRa failed!");

while (1);

}

LoRa.setSpreadingFactor(12);

LoRa.setSignalBandwidth(62.5E3);

LoRa.crc();

Serial.println("LoRa eslesmesi tamamlandi!");

display.drawString(5,25,"LoRa eslesmesi tamamlandi!");

display.display();

delay(10);

}

void loop()

{

const uint16\_t port = \*\*\*\*\*;

const char \* host = "\*\*\*.\*\*\*.\*.\*\*\*"; // ip or dns

Serial.print("Bu aga baglaniliyor...");

Serial.println(host);

WiFiClient client = wifiServer.available();

if (!client.connect(host, port))

{

Serial.println("Sunucu baglantisi koptu!");

Serial.println("5 sn bekleyin...");

delay(5000);

return;

}

while (client.connected())

{

int packetSize = LoRa.parsePacket();

if (packetSize)

{

Serial.print("Veri aliniyor...");

display.clear();

display.setFont(ArialMT\_Plain\_16);

display.drawString(3, 0, "Veri Aliniyor... ");

display.display();

while (LoRa.available()+client.available())

{

String data = LoRa.readString();

Serial.println(data);

client.print(data);

}

}

}

}