from time import sleep  
from SX127x.LoRa import \*  
from SX127x.board\_config import BOARD

BOARD.setup()

class LoRaRcvCont(LoRa):  
    def \_\_init\_\_(self, verbose=False):  
        super(LoRaRcvCont, self).\_\_init\_\_(verbose)  
        self.set\_mode(MODE.SLEEP)  
        self.set\_dio\_mapping([0] \* 6)

    def start(self):  
        self.reset\_ptr\_rx()  
        self.set\_mode(MODE.RXCONT)  
        while True:  
            sleep(.5)  
            rssi\_value = self.get\_rssi\_value()  
            status = self.get\_modem\_status()  
            sys.stdout.flush()

    def on\_rx\_done(self):  
        print("\nReceived: ")  
        self.clear\_irq\_flags(RxDone=1)  
        payload = self.read\_payload(nocheck=True)  
        print(bytes(payload).decode("utf-8",'ignore'))  
        self.set\_mode(MODE.SLEEP)  
        self.reset\_ptr\_rx()  
        self.set\_mode(MODE.RXCONT)

lora = LoRaRcvCont(verbose=False)  
lora.set\_mode(MODE.STDBY)

#  Medium Range  Defaults after init are 434.0MHz, Bw = 125 kHz, Cr = 4/5, Sf = 128chips/symbol, CRC on 13 dBm

lora.set\_pa\_config(pa\_select=1)

try:  
    lora.start()  
except KeyboardInterrupt:  
    sys.stdout.flush()  
    print("")  
    sys.stderr.write("KeyboardInterrupt\n")  
finally:  
    sys.stdout.flush()  
    print("")  
    lora.set\_mode(MODE.SLEEP)  
    BOARD.teardown()