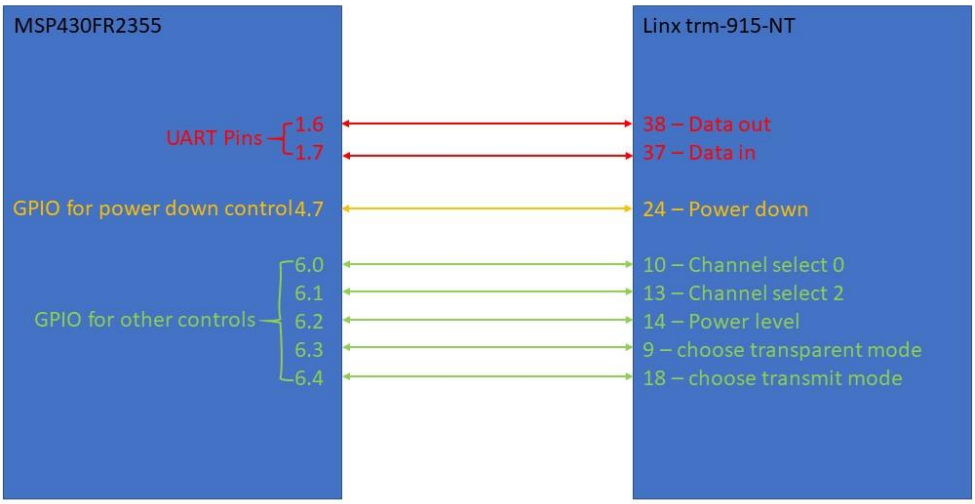
The following diagram shows the pin connections between the MSP430FR2355 microcontroller and the Linx trm-915NT radio:



- Make sure that VDD and Ground pins of the microcontroller are connected to a DC power supply or a battery. MSP is functional between 1.8V – 3.3V and Linx is functional between 3.3V and 5V. We operate Linx at 3.3V.
- It is possible to use a different microcontroller. Just make sure that the UART pins, clock pins, and the corresponding GPIO pins as used in the code are set appropriately and then reset when not needed to enable appropriate low power operation.
- It is possible to use a different radio as well. However, not all radios are controlled via UART. For instance, most radios like TI-CC1101 and TI-CC1125, LoRa, AX5043 etc. are controlled via an SPI connection. MSP430FR2355 uses pins 1.5, 1.6, and 1.7 for the in-built SPI controller. Connect these pins to clock, MOSI, and MISO pins of the radio respectively.
- All the other pins of Linx must be set to ground. The pins marked NC must be left unconnected.