Options to reduce noise:

1.) Set channel higher
2.) Set power amplifier to higher output

Normal range with default mode(RF24_PA_Max): Open sight = 100m

Tested with the code activating a pin that lights up diode when signal is received.

- draw the schematic

With WI-FI interference:
RF24_PA_Max mode: 11.3 mA
Open sight = 80 ft
Through Sheetrock walls = 50 ft

RF24_PA_Low mode: 7.5 mA
Open sight = 17ft
Through Sheetrock walls = 10 ft

RF24_PA_High: 9.0 mA
Open sight = 35 ft
Through Sheetrock = 27 ft

RF24_PA_Min: 7.0 mA *not reliable
Open sight = 5ft
Through Sheetrock = 3 ft

Communication Protocols:
UART between transceivers: TX to RX
SPI between transceiver and arduino MOSI and MISO

Option1: use adapter to drop 5v to 3.3v to keep steady supply

Option2: use capacitor across vcc and gnd to keep steady voltage supply

Decibel: ratio of two signal powers
-Negative is when the second signal is larger than the first
-Positive is when the first signal is larger than the second