

Testing Bluetooth Strength (iPhone)

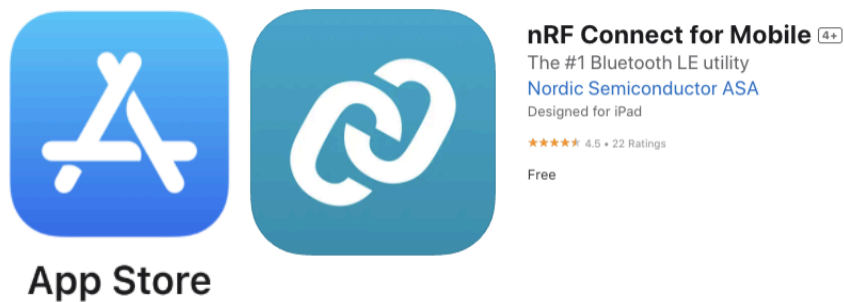
During the Ford Home Integration System commissioning, the Ford Charge Station Pro and Ford Lighting communicate via Bluetooth. If you're having trouble making this connection, it's important to test the Bluetooth strength from the passengers backseat (where the truck's Bluetooth module is mounted). This will help installers and homeowners understand signal strength when pairing the charger and truck together for intelligent backup. Below are the steps on testing Bluetooth strength and what defines "good" vs "poor" signal.

nRF Connect

nRF Connect will be used to test Bluetooth strength. This application is a free download on the IOS App Store.

Download Application:

- From the IOS App Store, download [nRF Connect](#)



Signal Strength (dBm)

Bluetooth signal strength is measured in decibels (dBm). Signal strength will range from -30 dBm to -110 dBm. The closer the number to 0, the stronger the signal will be. Anything lower than **-75 dBm** will be considered usable signal strength. Anything higher than that, you'll want to move the truck closer to the charger and drop the rear passenger backseat for better connection.



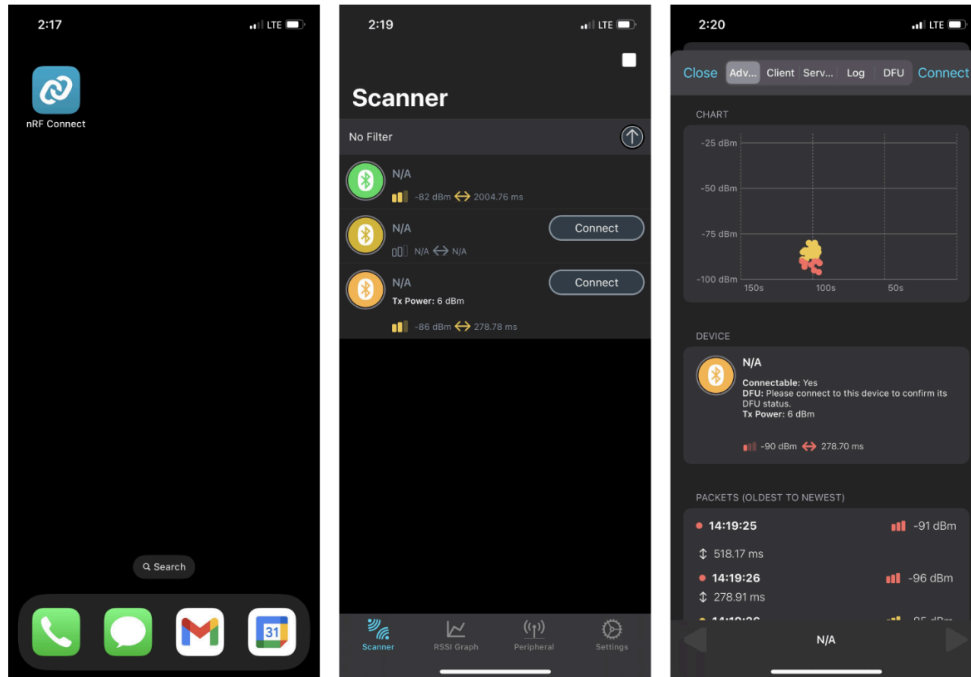
Using nRF Connect

After nRF Connect is downloaded and you understand dBm, you're ready to test the bluetooth strength. Proceed to the truck's passenger backseat area and follow the instructions below.

Instructions:

- Plug-in the Ford Lighting

- Sit in the passengers rear seat (Bluetooth module behind this seat)
- Make sure Bluetooth is on via your iPhone's settings
- Open nRF Connect
- Locate and select the Bluetooth signal coming from the Charge Station Pro (**Ford3000**)
- Determine if the Bluetooth is strong enough for good connection
- Screenshot Bluetooth page showing the dBm strength
- Upload screenshot with project photos



Pro Tips

After using nRF Connect, you determine the signal strength is weak and likely won't connect. Below are a few tips to help increase this signal to hopefully make the connection between charger and truck.

Pro Tips:

- Move truck physically as close to the charger as possible but allowing room to walk around
- Drop rear passenger seat down allowing for better Bluetooth connection
- Ideally align truck's rear doors even with the charger

