Configuring the PEPWave Modem for SmartScale

You will need:

- Flash Light
- An Activated 2FF Mini-SIM Card
- The name of the APN for the cell service you will be using (some cell carriers don't require this)

Ensure SmartScale is turned off

Open the Electronics Box

Locate the Modem
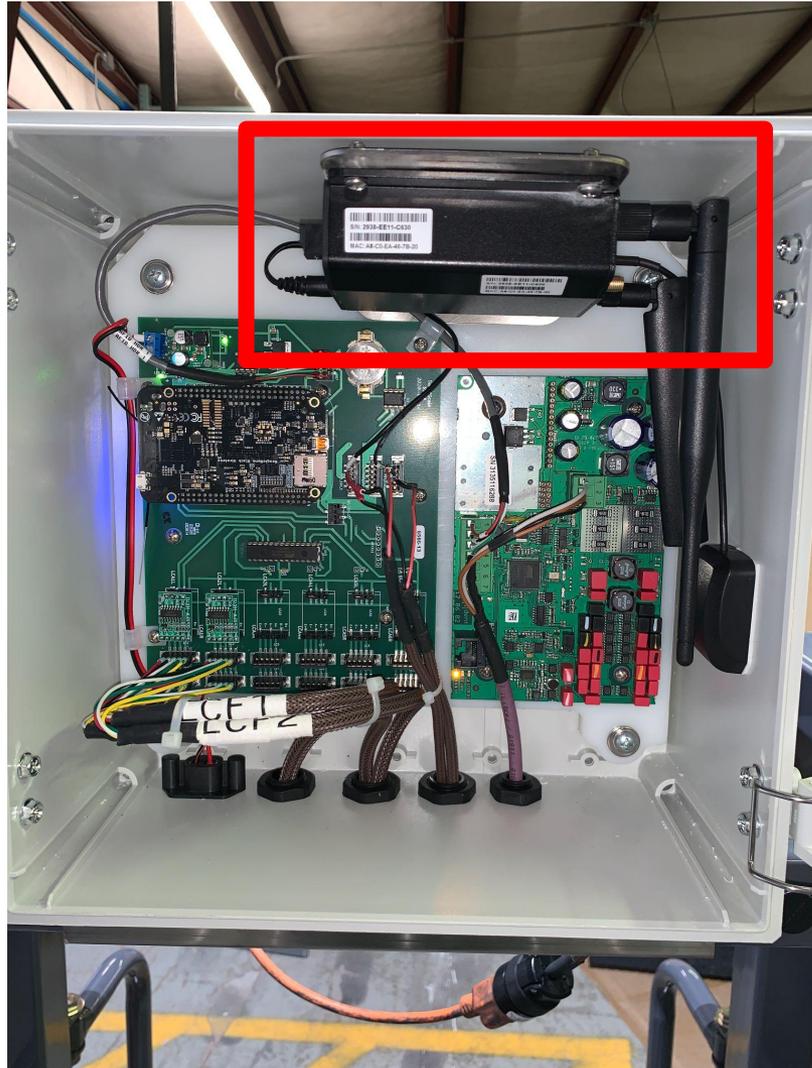
Insert the 2FF Mini-SIM Card

The slot for the SIM card is located on the side of the modem where the antennas connect.

Insert the SIM card into slot A, in the orientation shown. Press it firmly until the card "clicks" into place.
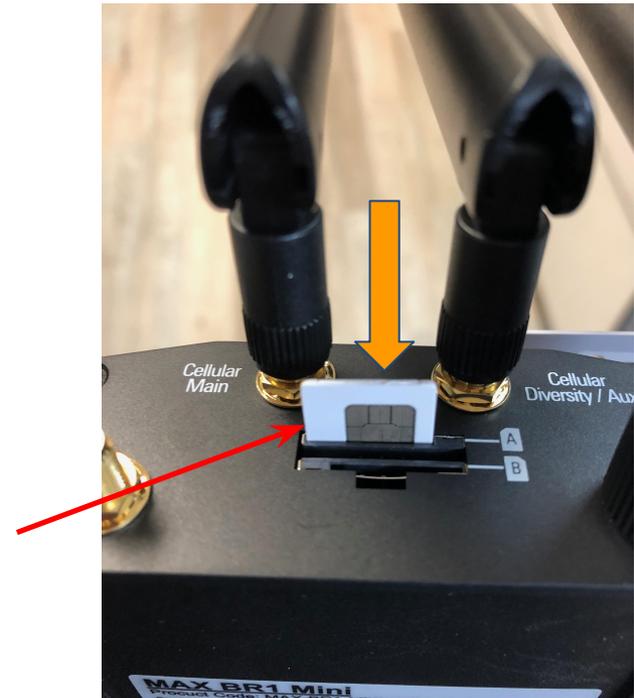
Apply Power Then
Wait 3~4 Minutes

This will allow the modem enough time to start and initialize the Internet connection

After 3~4 Minutes, You Should See the Modem's Wi-Fi Network

New PEPWave Network Name will be something like:

SMARTSCALE_____

Connect to this network using the password:

smartscale

Open a Web Browser and Go To http://192.168.1.1
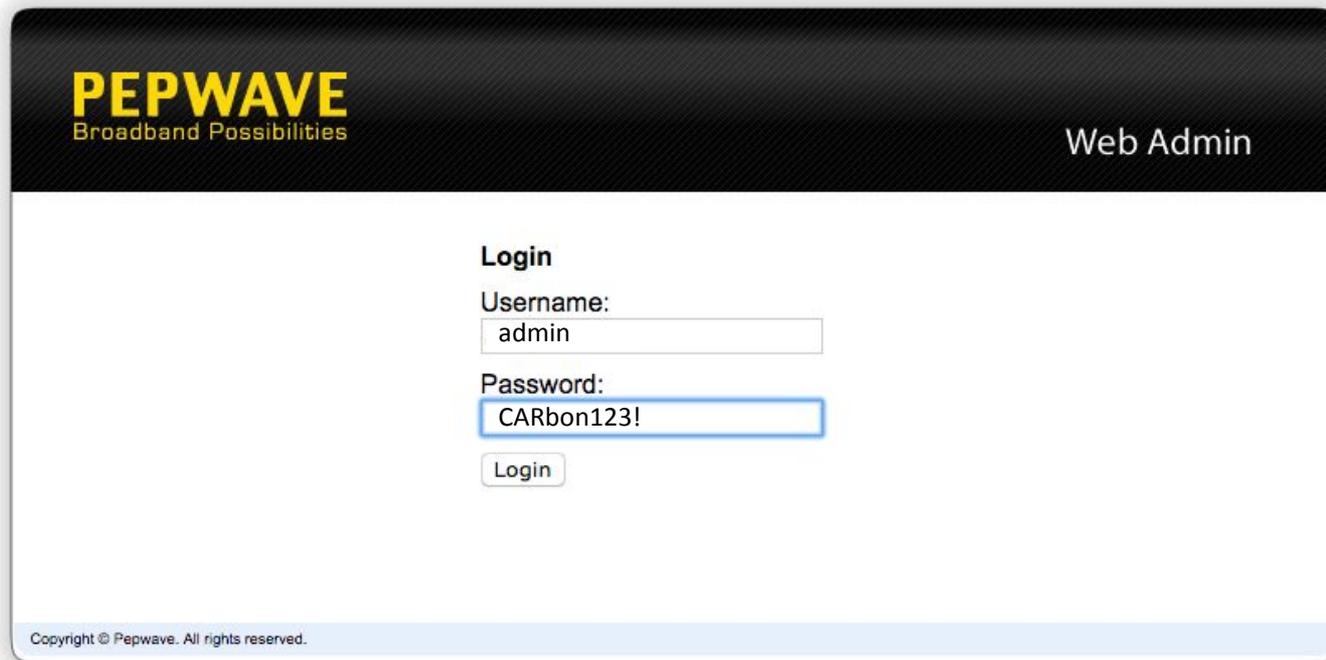
If that page doesn't load, try: http://192.168.50.1
If that page doesn't load, try: http://192.168.2.1

For the username enter: admin
For the password enter: CARbon1!   or   CARbon123! (for newer feeder)
Then click "Login"

Under Dashboard, confirm Connection

Make note if the connection says anything besides "Connected"

Click Details

Then take a snapshot
of the screen.

PEPWAVE | Dashboard | Network | Advanced | AP | System | Status | | Apply Changes

Connection Details ✕

Cellular Status ? | Details

	SIM Card A	SIM Card B
IMSI	(No SIM Card Detected) (In Use)	(No SIM Card Detected)
MEID	HEX: 35907206054087 DEC: 089865882200344199	
IMEI	359072060540875	
Network Mode	Auto (Generic)	

ON ⇕ Details

WAN Connection Settings

WAN Connection Name	Cellular	Default
Network Mode	● Auto ○ Generic ○ AT&T ○ Sprint ○ Verizon Wireless	
Subnet Selection ?	● Auto	
Routing Mode ?	● NAT	
DNS Servers	☑ Obtain DNS server address automatically ☐ Use the following DNS server address(es)	
	DNS Server 1:	
	DNS Server 2:	

Logout

Cellular Settings ?

SIM Card	● Both SIMs ○ SIM A Only ○ SIM B Only	
Preferred SIM Card	● No Preference ○ SIM A ○ SIM B	
	SIM Card A	SIM Card B
Network Selection ?	● Auto	● Auto
LTE/3G ?	Auto ⇕	Auto ⇕
Authentication	Auto ⇕	Auto ⇕

https://usatcorp.com/faqs/understanding-lte-signal-strength-values/

		RSSI	SINR (dB)	RSRQ (dB)	RSRP (dBm)	EC/Io (dB)
	Technology	LTE and 3G	LTE Only	LTE Only	LTE Only	HSPA+ and EVDO
Signal Quality	Excellent	> -65	> 12.5	> -5	> -84	> -2
	Good	-65 to -75	10 to 12.5	-9 to -5	-85 to -102	-2 to -5
	Fair	-75 to -85	7 to 10	-12 to -9	-103 to -111	-5 to -10
	Poor	< -85	< 7	< -12	< -111	< -10

Contact C-Lock

Call C-Lock +1-605-791-5657 to confirm everything is working correctly.