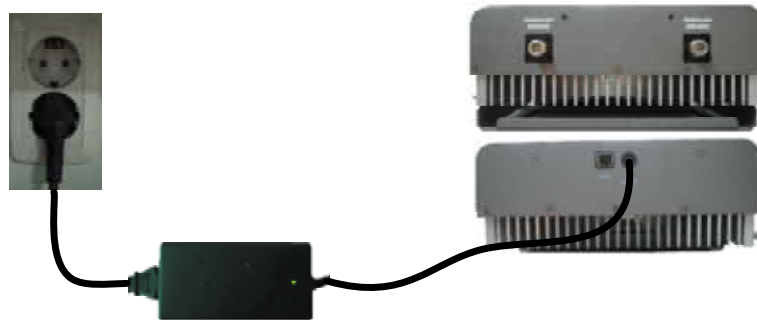# RSN-CDMA-23
Tune-Up Procedure

R-tron Inc.
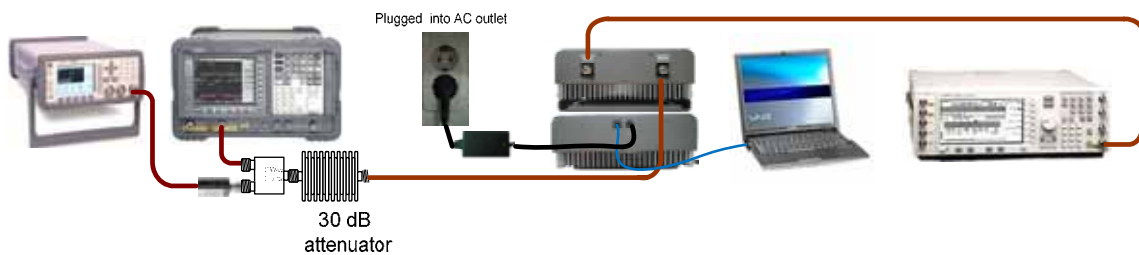
1. Power ON

    a.   Connect the AC-DC Adaptor power cord.

    b.   Plug the power cord into a wall outlet.

    c.   Check if the green LED at the bottom turns on.
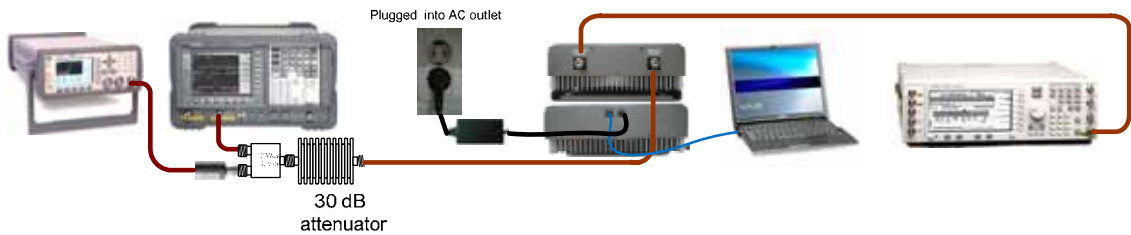

2. Tx Test Configurations

◆ **Tx Gain Specification**

Parameter	Down Link
Gain	**80dB**

Input Level	Output Level
-57dBm	23dBm
-67dBm	13dBm

3. Rx Test Configurations

Plugged into AC outlet

30 dB attenuator

◆ **Rx Gain Specification**

Parameter	Up Link
Gain	**80dB**

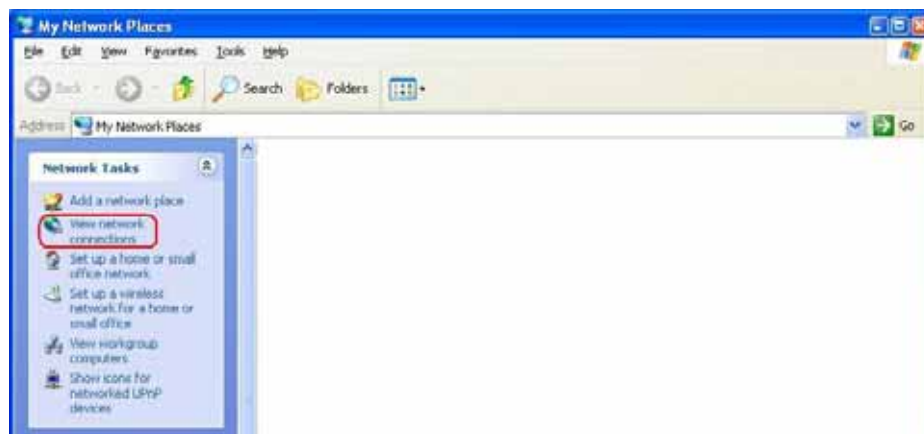| Input Level	Output Level
-57dBm	23dBm
-67dBm	13dBm

4. Setting for Command and Control through the Web GUI

* CDMA MINI operates on a customer provided PC based platform with the following system
requirements.

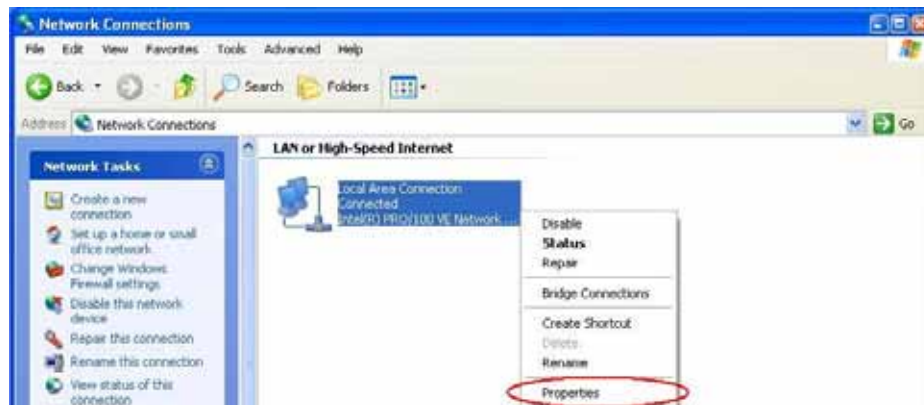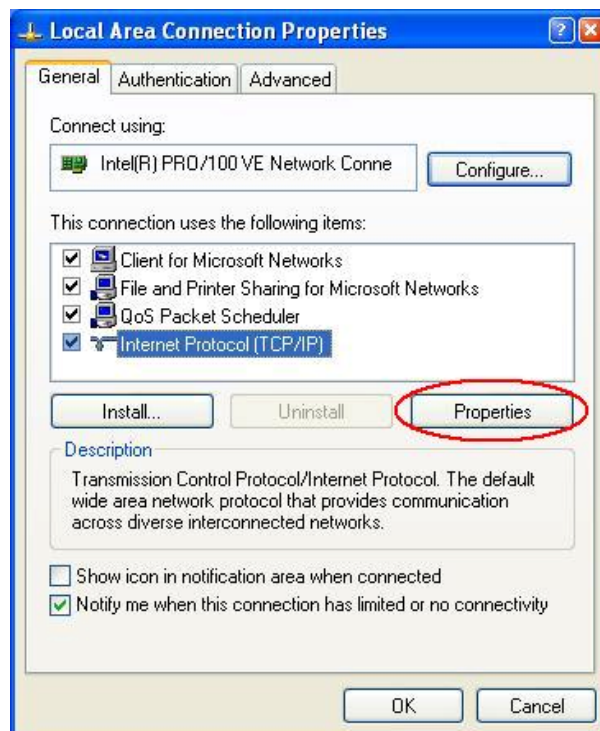| Windows® XP	Strong recommended
128 MB RAM or more	
Pentium Ⅲ processor or more	keyboard
RJ-45 jack	

Step 1 Open My Network Places.

Step 2 Click the "View network connections".

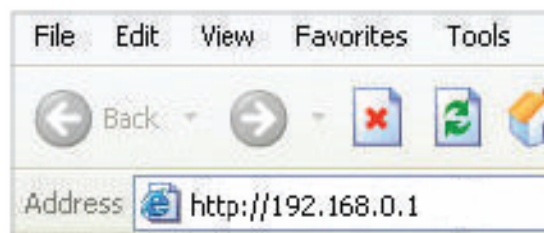Step 3 Push the right button of mouse and select the properties.

Step 4 Click the properties of TCP/IP.

Step 5 Check Obtain an IP address automatically and click OK. Close all windows.

Step 6 Open your Web browser and type "192.168.0.1" into the URL address box.
Then press the Enter Key

Network Information

	Date	05/27/2009
	Time	10:25:03
	Technical Support	1-888-31R-TRON
	Serial Number	RTR24CD080300011

System Information

Model Number	RSN-CDMA-23
Maximum Output Power/Gain	30dBm / 80dB
Software Version	V 0.10
Web GUI Version	V 0.10

Amp Control

DL Amp	OFF	ON	OFF
UL Amp	OFF	ON	OFF

Easy Setup & Isolation Test

Factory Default	Execute	Easy Setup	Execute
Available Gain	80 dB	Isolation Test	Execute

Power Status

	Downlink		Uplink	
Output Power	--	dBm	--	dBm
Input Power	--	dBm	--	dBm

Band Setup

Bandwidth	5	5	MHz	APPLY
Band	B3	B3	Band	APPLY

Power Control
ALC [Automatic Level Control]

DL ALC Level	23	dBm	23	[0 ~ 23] APPLY
UL Gain Offset	-3	dB	-3	[-6 ~ 0] APPLY
ALC Status	OFF		ON	OFF

Manual Gain Control

DL Gain	80	dB	80	[50 ~ 80] APPLY
UL Gain	77	dB	77	[50 ~ 80] APPLY

Alarms and Current Status Alarm Range

DL Input Power		-70 ~ -26	dBm
Output Power		0 ~ 28	dBm
Temperature	113.0	> 176	F
DC Voltage	6.1	10 ~ 14	V
DC Current	2.3	0 ~ 7	A
ASD(Soft)			

ASD [Automatic Shut Down]

DL ASD Level	28	dB	28 APPLY
ASD Status	OFF		ON OFF

Message Board

Auto Refresh	Refresh

5. Command and Control On the Web GUI

5.1 DL and UL Bandwidth Selection

a. The operating bandwidth,5MHz,10MHz,15MHz,5+5MHz,10+5MHz,15+5MHz,

bandwidth is possibly selected.

Select the operating bandwidth and push the "APPLY" and check the bandwidth.

c. The operating frequency is able to be selected. Select the operating frequency and push the "APPLY" and check the bandwidth and frequency.

5.2 DL and UL DL and UL gain setting

a. Set the DL gain and UL gain, 50dB to 80dB, and push the "APPLY" button.

5.2 HPA On and OFF

a. Press the "ON" and "OFF" and check the status.

The maximum output power for operating is +23 dBm on both Tx and Rx.