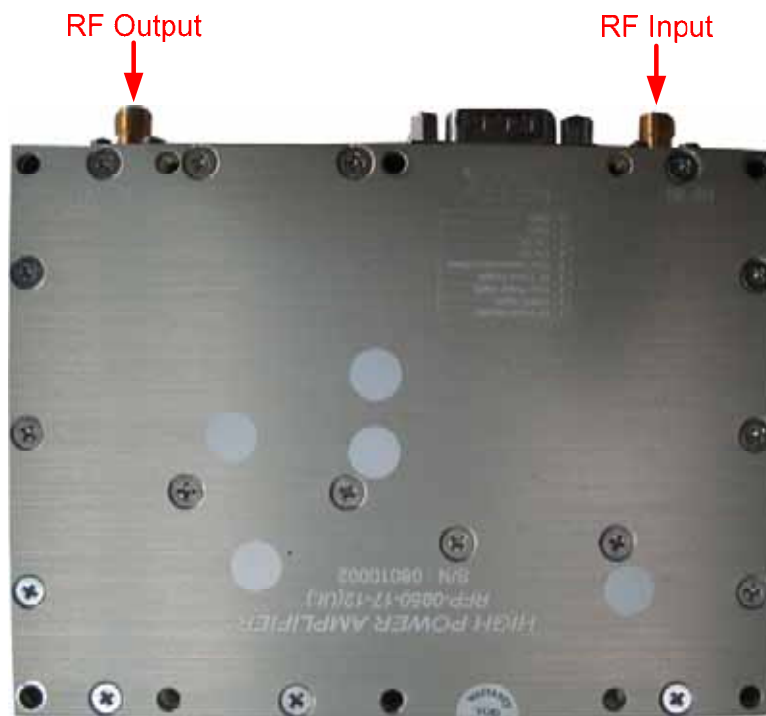
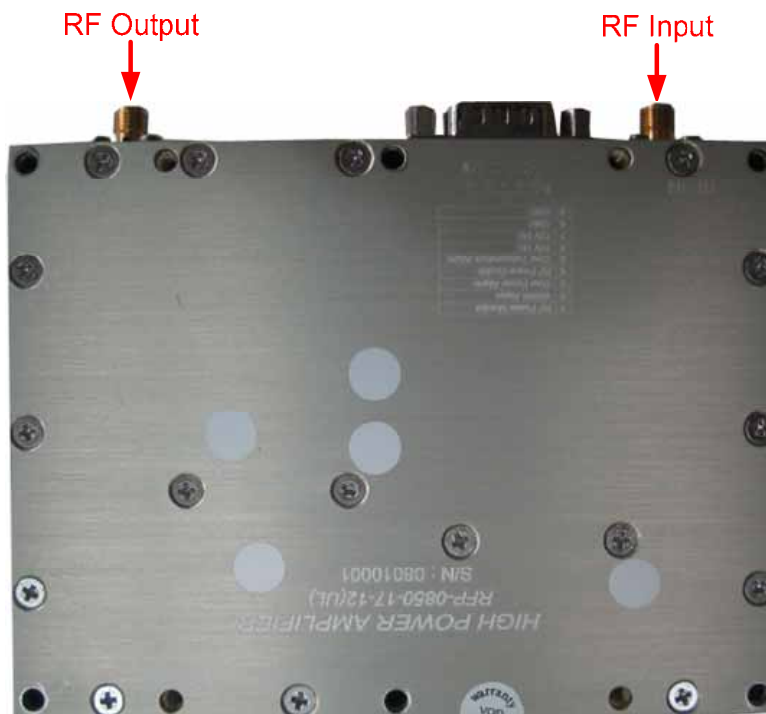


2.2.6 High Power Amplifiers (HPAs)

The High Power Amplifiers the transmitted signal from a base station at the final stage of the Booster and vice versa.



<iDEN UL HPA>

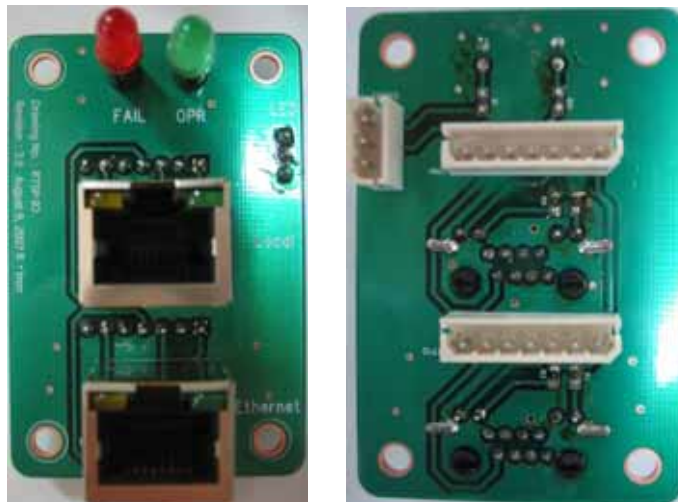


<iDEN DL HPA>

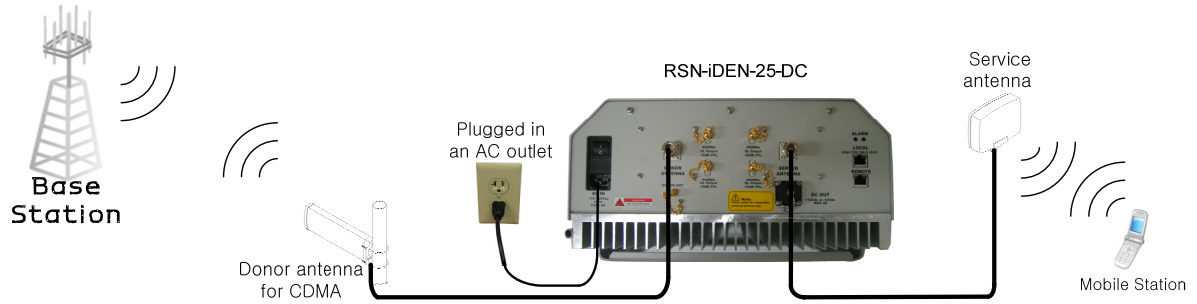
2.2.6 EMI Noise Filter



2.2.7 Communication & LED Board



*** Hardware Installation**



1. Setting for Command and Control

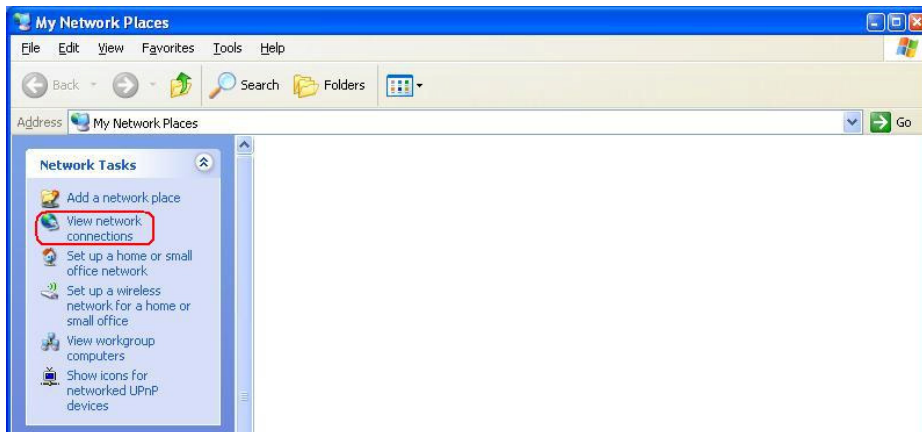
* iDEN MINI operates on a customer provided PC based platform with the following system requirements.

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

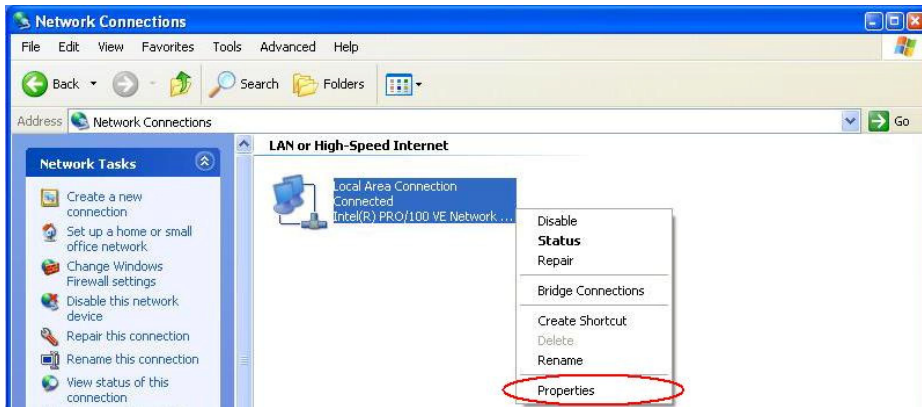
Step 1 Open My Network Places.



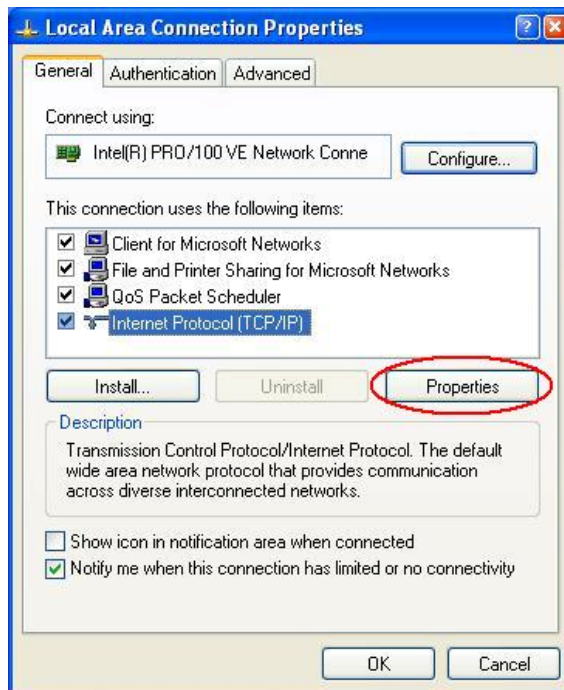
Step 2 Click the "View network connections".



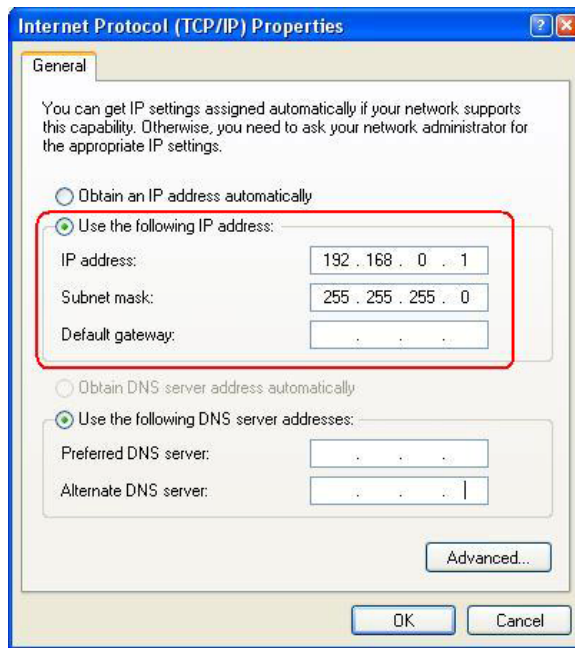
Step 3 Push the right button of mouse and select the properties.



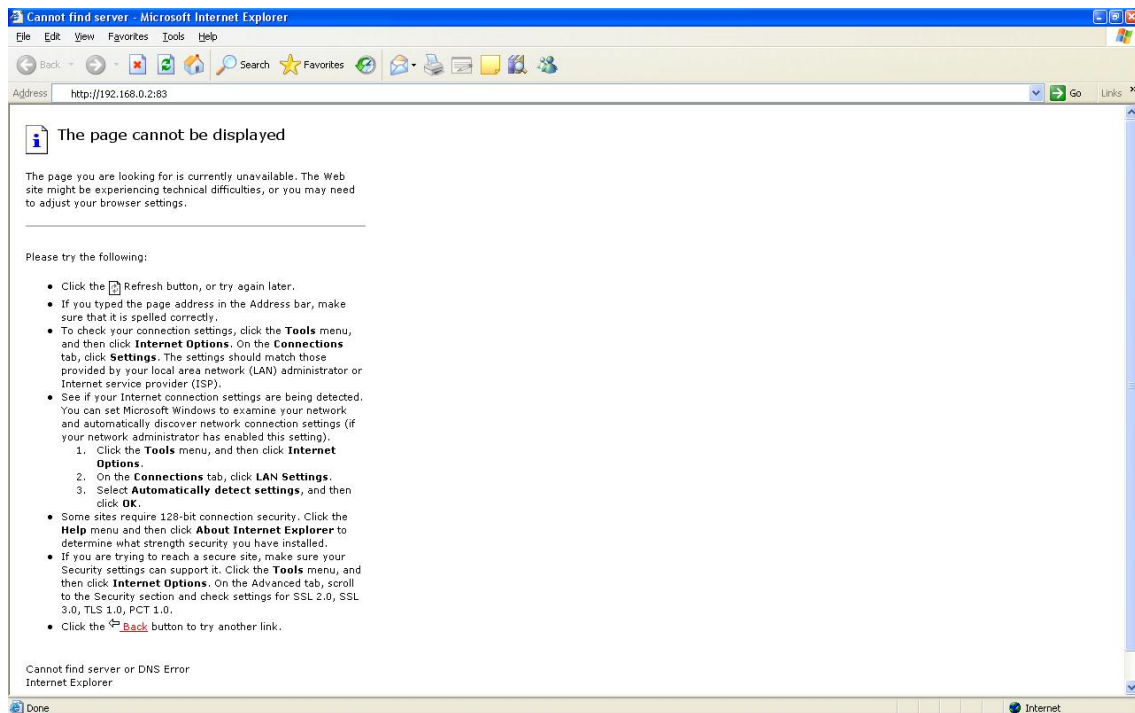
Step 4 Click the properties of TCP/IP.



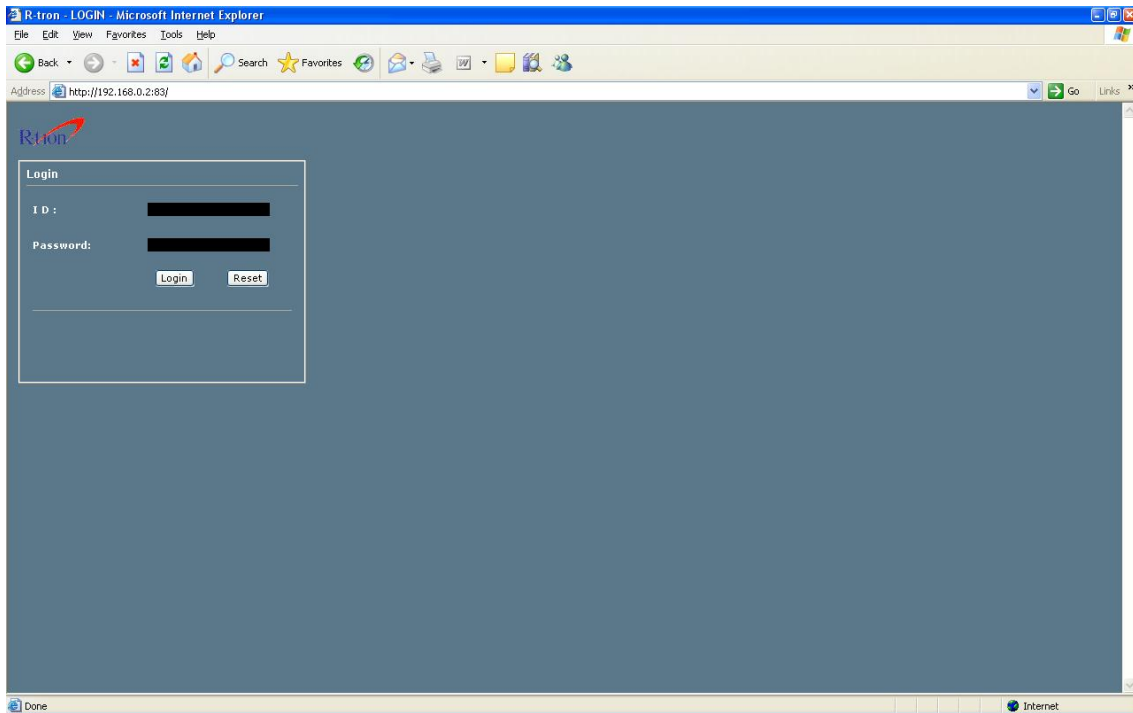
Step 5 Set the values and OK as the following. Close all windows.



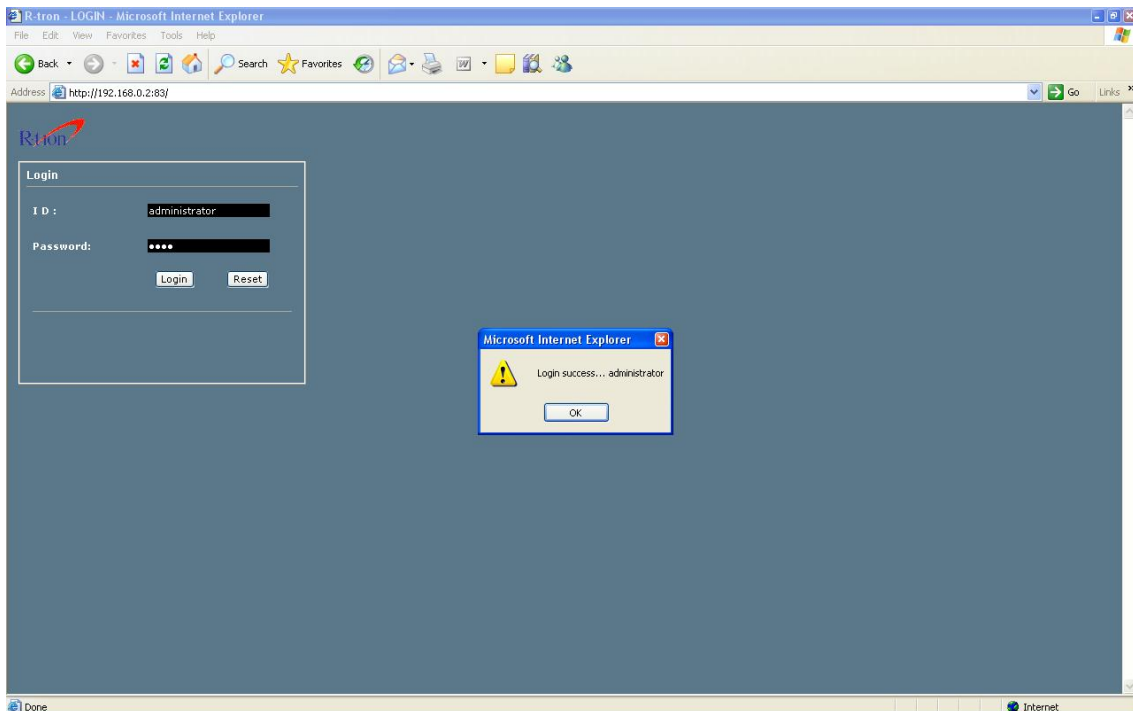
Step 6 Open a new explorer window.



Step 7 Type <http://192.168.0.1:83> in the address box and press “Enter” key.



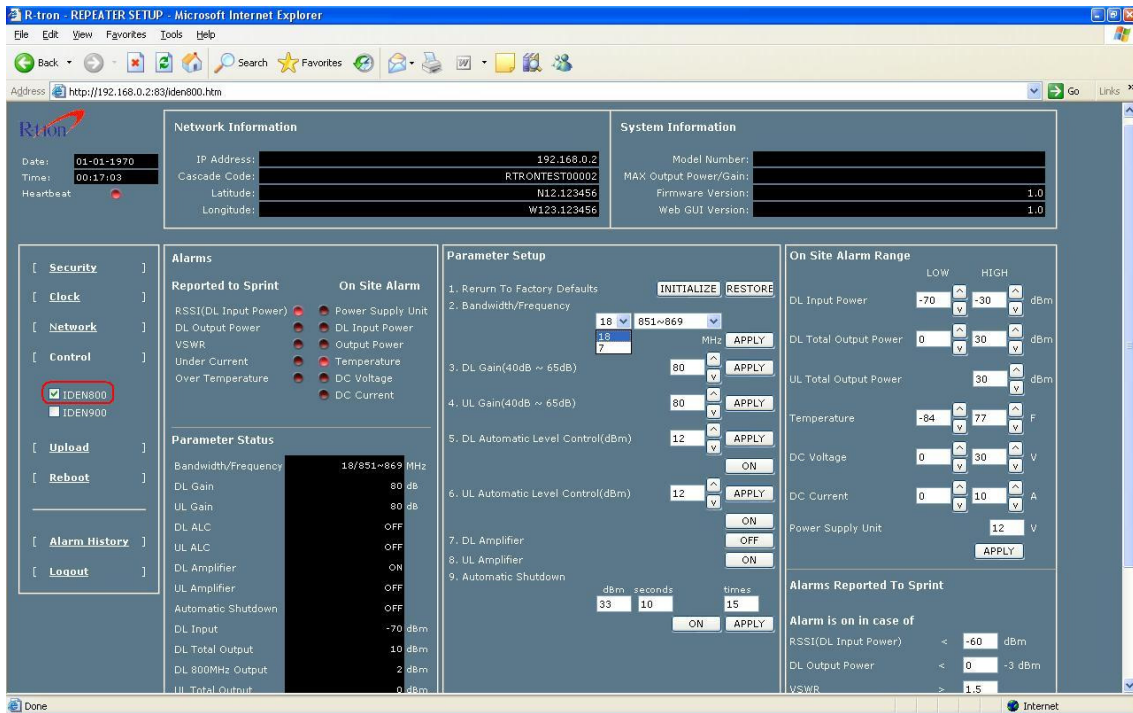
Step 8 Login with “administrator” of ID and “1234” of password and “OK”.



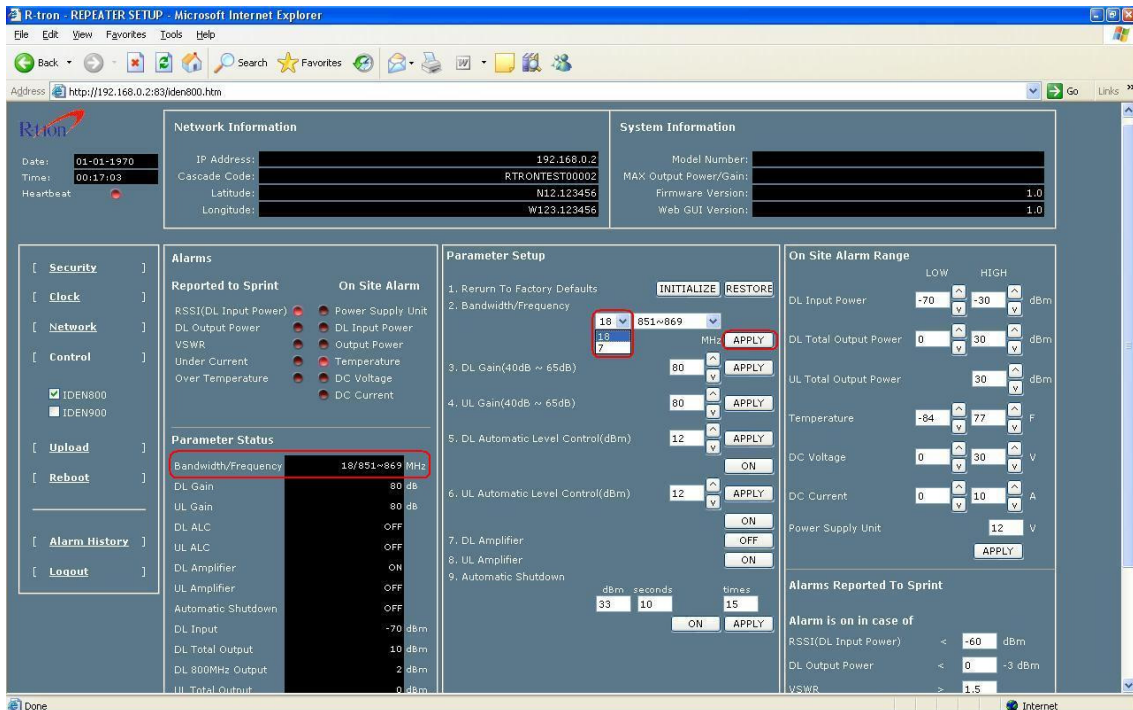
2. Command and Control on the Web GUI.

A. iDEN 800.

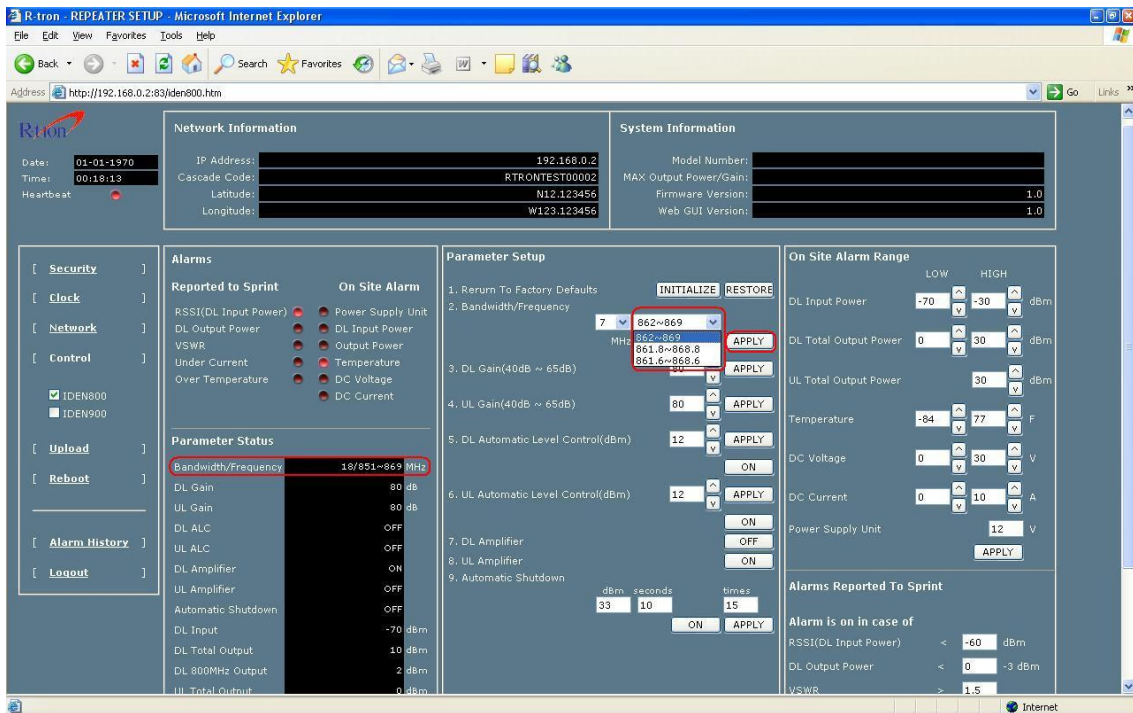
a. To control the iDEN 800, check the box of iDEN 800.



b. The operating bandwidth, 18MHz-bandwidth and 7MHz-bandwidth, is possibly selected. Select the operating bandwidth and push the "APPLY" and check the bandwidth.

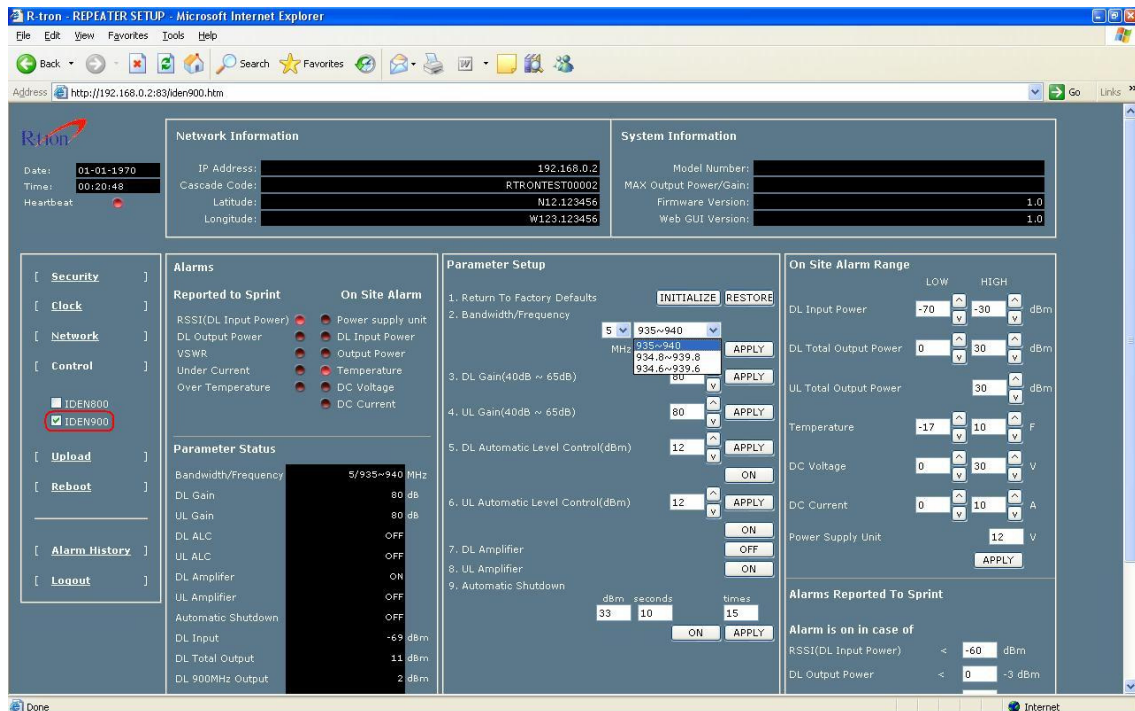


c. The operating frequency is able to be selected. Select the operating frequency and push the "APPLY" and check the bandwidth and frequency.



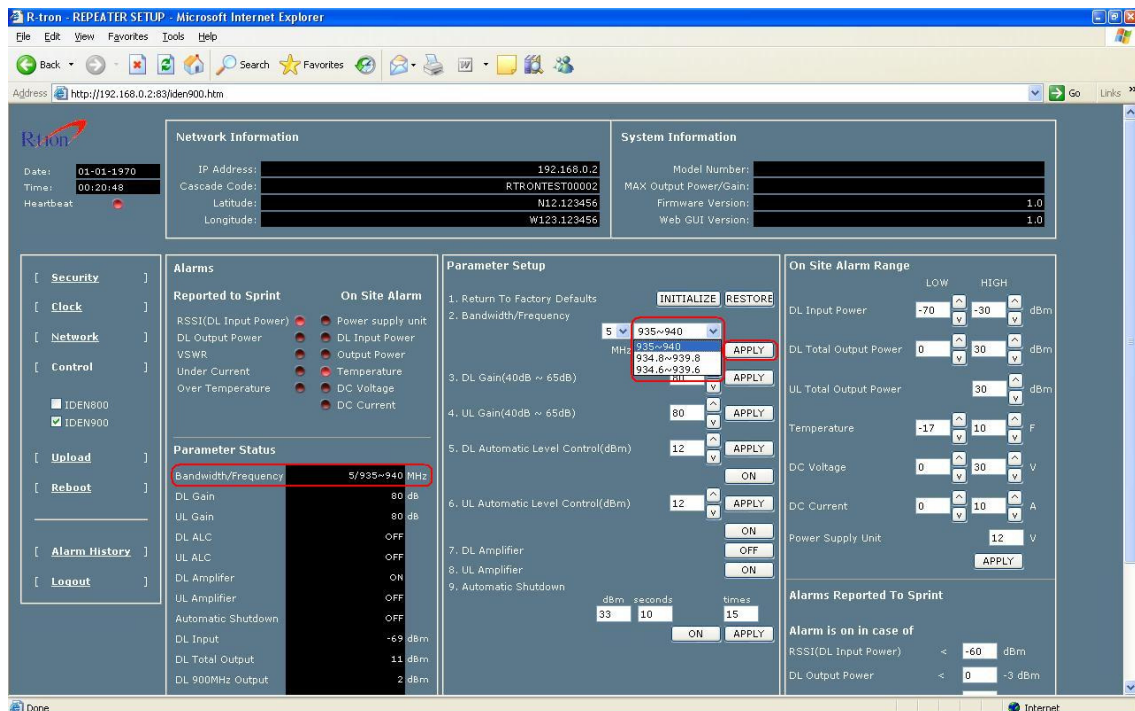
B. iDEN 900.

a. To control the iDEN 900, check the box of iDEN 900.



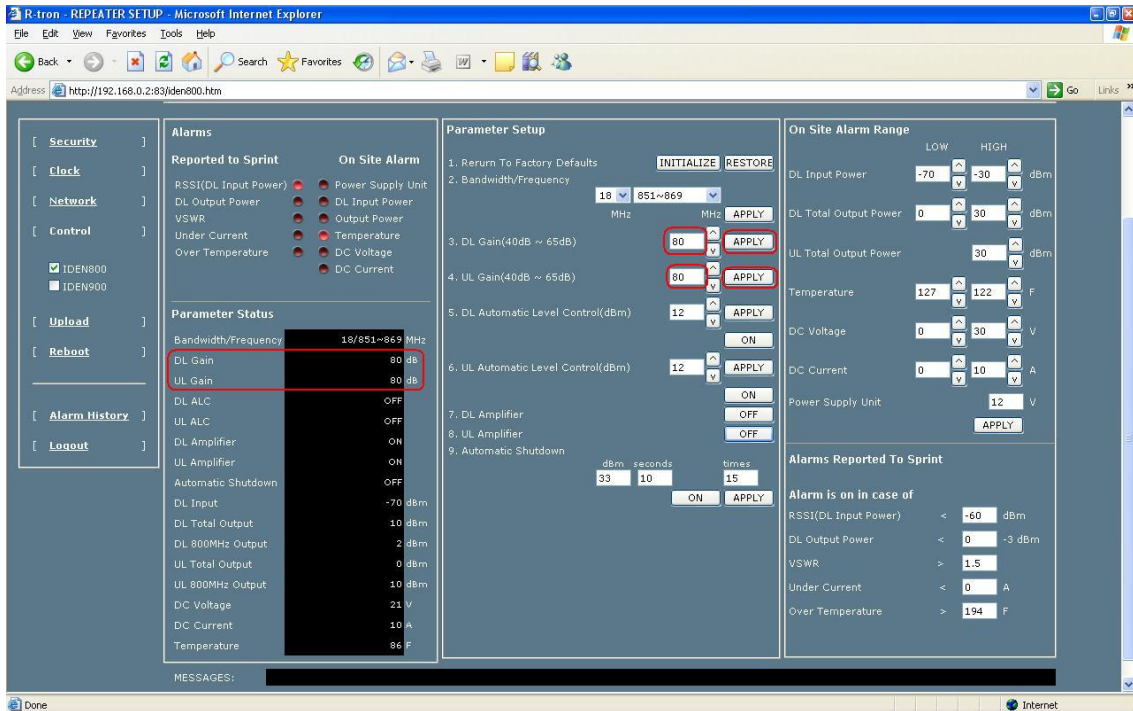
b. On the iDEN 900, 5MHz-bandwidth is only available.

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



C. DL and UL gain setting.

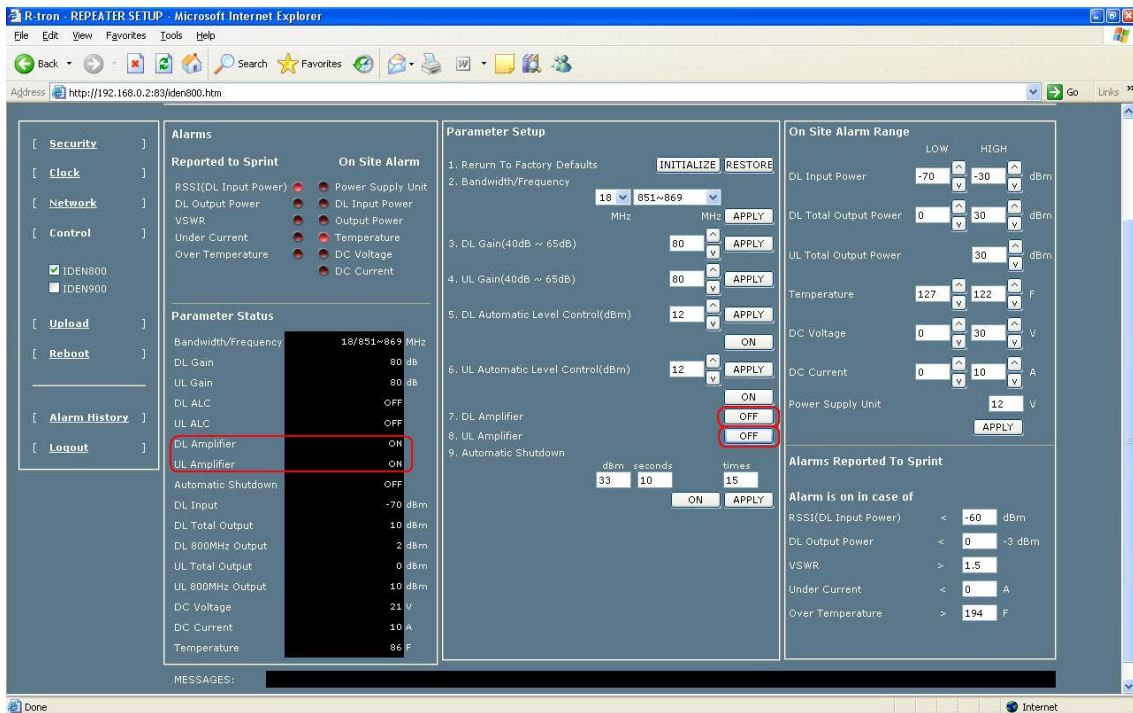
a. Set the DL gain and UL gain, 50dB to 80dB, and push the "APPLY" button.



* Set the gain of iDEN 900 as same as the iDEN 800 gain setting.

D. HPA on and off.

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

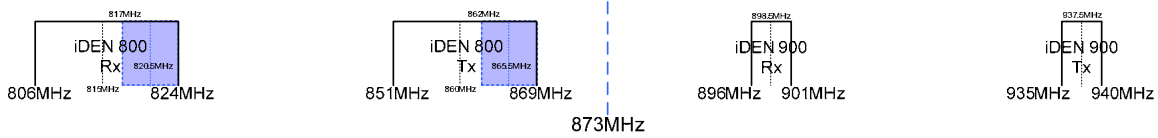


The maximum output power for operating is +25dBm on both DL and UL.

* Reference

The Operating Bandwidth & Frequencies

iDEN 800 & 900



	Bandwidth	Operating Frequency	
iDEN 800	18MHz-bandwidth	Downlink	851~869MHz 851~868.8MHz 851~868.6MHz
		Uplink	806~824MHz 806~823.8MHz 806~823.6MHz
	7MHz-bandwidth	Downlink	862~869MHz 862~868.8MHz 862~868.6MHz
		Uplink	817~824MHz 817~823.8MHz 817~823.6MHz
iDEN 900	5MHz-bandwidth	Downlink	935~940MHz 935~939.8MHz 935~939.6MHz
		Uplink	896~901MHz 896~900.8MHz 896~900.6MHz

Operating bandwidth and Frequencies of iDEN