

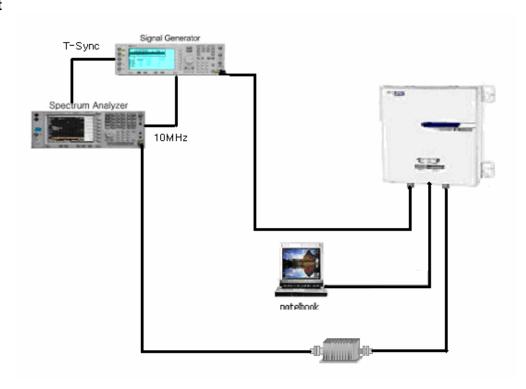


ATTACHMENT I.

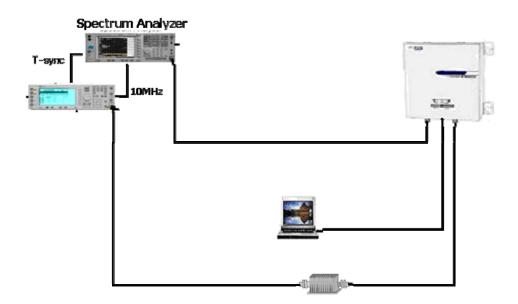
- TuneUp Procedure -

Report No.: HCT-RF09-0621 1/1

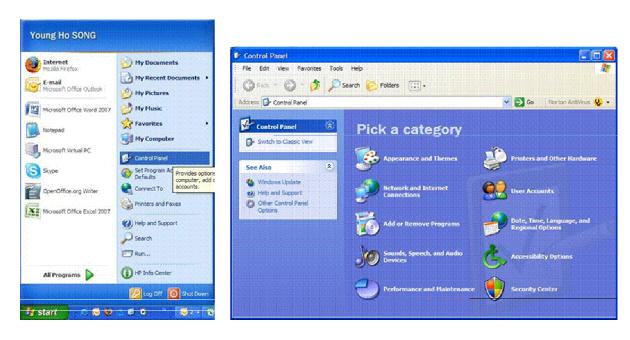
* Test Configurations - RX Test



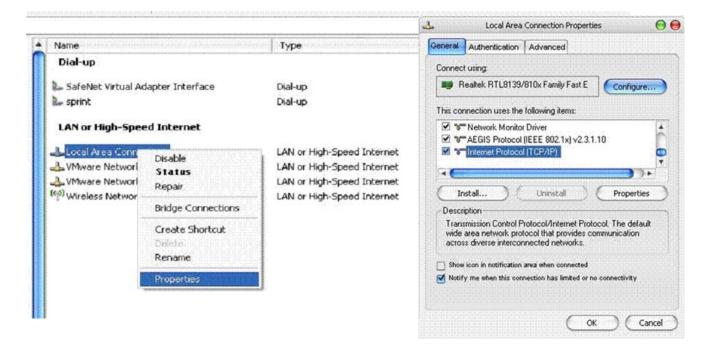
- Tx Test



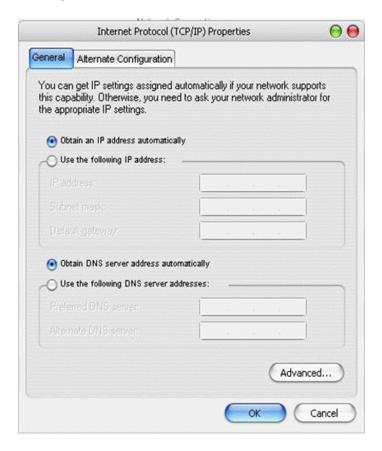
- * Connecting to Web UI
- 1. Start->Control Panel->Network and Internet Connections



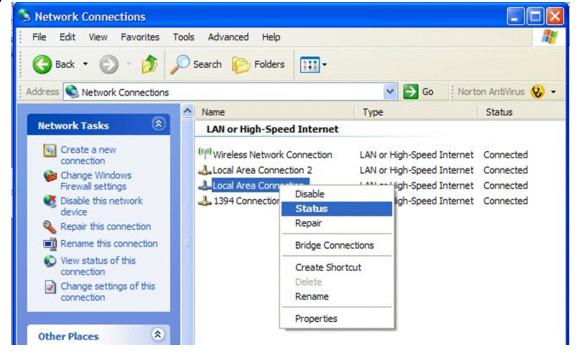
- 2. Right click Local Area Connections and choose Properties
- 3. Click Internet Protocol (TCP/IP) on General tab and click Properties



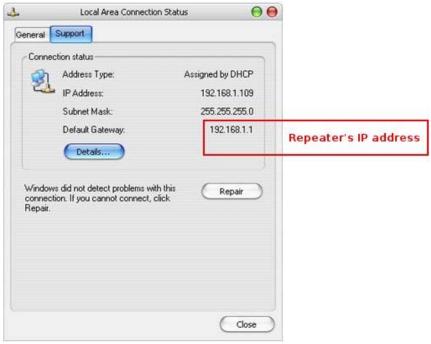
- 4. Choose "Obtain an IP address automatically"
- 5. Choose "Obtain DNS server address automatically"
- 6. Click "OK" to close Properties
- 7. Click "OK" to close Properties



8. Right click Local Area Connections and choose Status



- 9. Click on "Support" tab.
- 10. Verify assigned Default Gateway at local connection. (If IP address is not assigned, click repair)
- 11. Close all windows when finished.



* Internet Explorer Option Settings

Proceed step by step as indicated in the following slides to delete all temporary internet files and records.

1. Open Internet Explorer -> Tools -> Internet Options

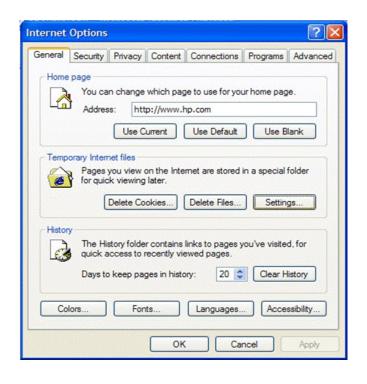


* Browser History Options

On the "General" tab,

In the "Temporary Internet Files" section:

- 2. Click "Delete Cookies" ◊ "OK"
- 3. Click "Delete Files" ◊ "OK"
- 4. Click "OK"



* Login Screen

00111	Cascade code :	
CDMA	Serial No: GST-PP-01	
	S/W Version: 1.0	
Login	Longitude/Latitude:	
ser Name	Password	

Enter Default Gateway's IP address into address bar as described in page 19, you will be redirected to Login. Default User Name is 'admin', and default Password is 'admin'. You may need to change password as described in the User Management section. Engineering Number and Site Name will initially be blank, you can input Engineering Number and Site Name as described in the Communications Configuration section.

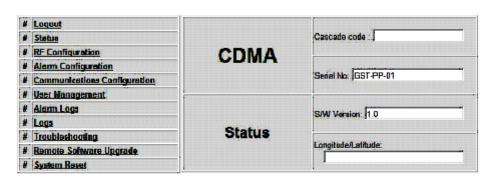
* List Menu

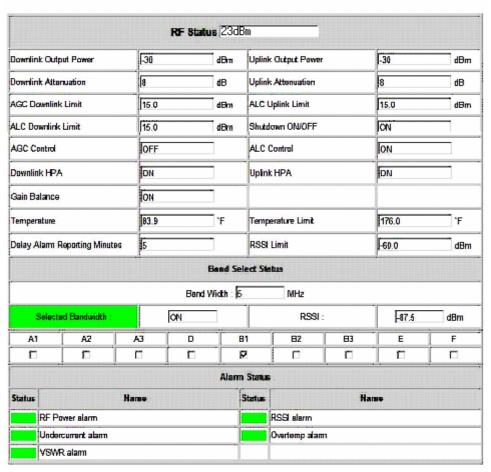
#	Logout		<u></u>	
#	Status		Cascade code :	
#	RF Configuration	CDMA		
#	Alarm Configuration	ODIIIA		
#	Communications Configuration		Serial No: GST-PP-01	
#	<u>User Management</u>			
#	Alarm Logs	List	S/W Version: 1.0	
#	<u>Logs</u>			
#	Troubleshooting		Longitude/Latitude:	
#	Remote Software Upgrade			
#	System Reset			

After you log in, you can see menu pages on the left and information about the repeater on the right.

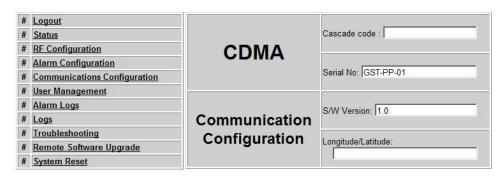
* Status Page

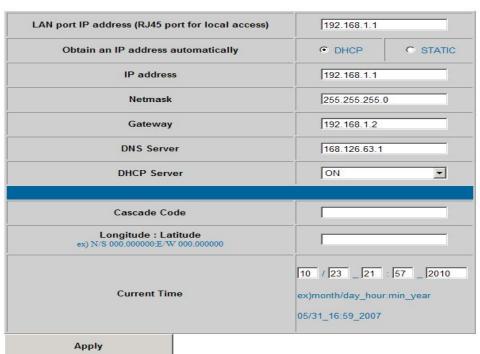
- Default D/L and U/L are set at minimum Gain.
- The default values in various fields will differ with different models of WiMAX Repeaters.
- In order to view other pages, you can click the desired menu on the top-left corner of all pages.
- Changes can be made on the Status Page. This page is for checking the repeater's conditions and settings





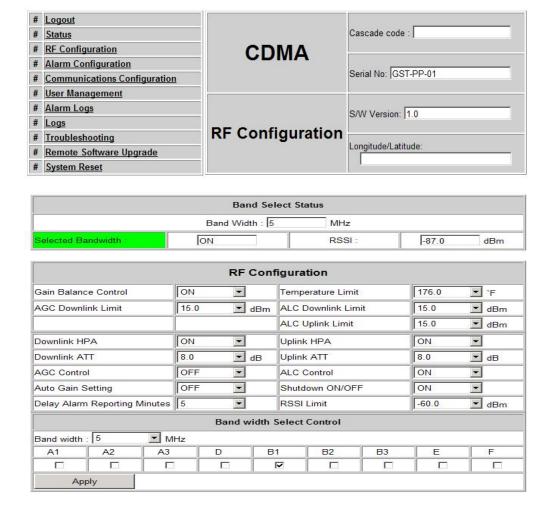
- Click on the Communications Configuration link.
- On this page you can change various values related to IP network. Because Web UI is based on IP network, incorrect configuration may make it impossible to connect to Web UI





* RF Configuration

- Click the RF Configuration link.
- This menu is where installer will actually configure the Repeater.
- You can change various RF values of the equipment on this page.
- In case that screen resolution is 1024 x 768, you may need to use scroll bars to view all.
- Changes will not take effect until you click "Apply" button.
- The default values in various fields will differ with different models of Cellular RF Repeaters.



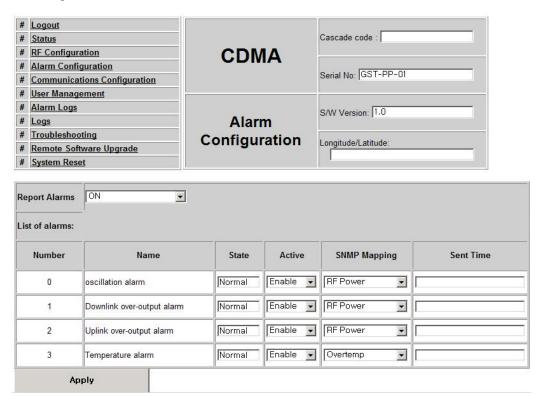
- After the desired bandwidth is selected, proceed with following steps:
- -> The high-frequency side of the bandwidth can be shifted in by either 200kHz or 400kHz to avoid unwanted signals for

800MHz, adjusting the high-side of that band.

- -> For normal setup, GST recommends using the Auto Gain Setting.
- -> Before AGS user must use the Band select function to choose proper band(s).
- -> User may configure Gain and secure Isolation by switching Auto Gain Setting to "ON". Click "Apply".

* Alarm Configuration

- Click Alarm Configuration link.
- In case that Report Alarms is OFF, all alarms will be disabled. In case that Report Alarm is ON, you can enable and disable individual alarms.



* User Management

- Click on the User Management link.
- On this page you can create and delete users, change passwords, and assign authorities to individual users.
- Read/Write Authority means that the user can change various values.
- Super User is very similar to an Administrator account.
- Caution: DO NOT DELETE 'admin'.



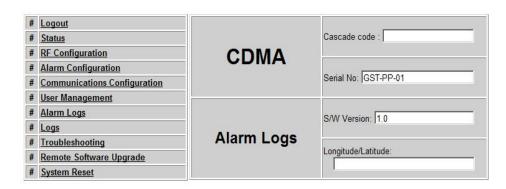
* Alarm Logs

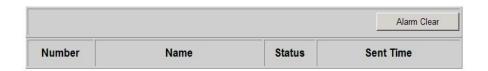
- Click on the Alarm Logs link.
- You can see a history of reported and reset Alarms.

When an alarm is reported, the name and time of the alarm is displayed along with it's current status.

Red color means that the alarm is reported, and green color means that the alarm has returned to normal status.

• After an Alarm condition lasts for the "Delay Alarm Reporting Minutes" and/or the "Alarm Incidence" Percentage set in RF Configuration page, the Alarm will be reported.

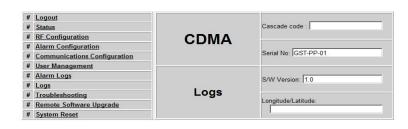




* Log

Click on the Logs link.

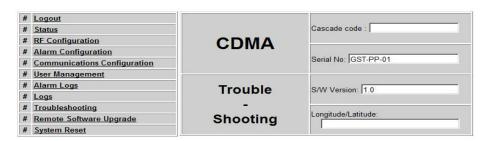
You can see Logs regarding Web UI operation. Logs will maintain a history of up to 30 operations.



Date & Time	User	Operation	Description
10/23/2010 - 22:01:49	admin	Alarm Logs	Checked
10/23/2010 - 22:00:10	admin	User Management	Accessed
10/23/2010 - 21:57:45	admin	Communications	Checked
10/23/2010 - 21:56:25	admin	Alarm Configuration	Checked
10/23/2010 - 21:53:04	admin	RF Configuration	Checked
10/23/2010 - 21:48:46	admin	Login	Login
10/23/2010 - 21:45:54	admin	Login	Login
10/23/2010 - 21:45:44	admin	Logout	Logout
10/23/2010 - 21:44:39	admin	Login	Login
10/23/2010 - 21:39:43	admin	Communications	Checked
10/23/2010 - 21:39:20	admin	Login	Login
10/19/2010 - 02:15:27	admin	RF Configuration	Set
10/19/2010 - 02:15:24	admin	RF Configuration	Checked
10/19/2010 - 02:14:08	admin	RF Configuration	Set
10/19/2010 - 02:14:03	admin	RF Configuration	Checked
10/19/2010 - 02:12:53	admin	RF Configuration	Checked
10/19/2010 - 02:12:28	admin	Login	Login
10/18/2010 - 21:01:55	admin	system_download	Set
0/18/2010 - 21:01:29	admin	system_download	Checked
10/18/2010 - 21:01:26	admin	Login	Login
10/18/2010 - 18:51:30	admin	RF Configuration	Set
10/18/2010 - 18:51:27	admin	RF Configuration	Checked
10/18/2010 - 18:50:28	admin	RF Configuration	Checked
10/18/2010 - 18:49:29	admin	RF Configuration	Checked
10/18/2010 - 18:49:18	admin	Login	Login
10/18/2010 - 17:43:22	admin	system_download	Set
10/18/2010 - 17:41:50	admin	system_download	Checked
10/18/2010 - 17:41:46	admin	Login	Login
09/12/2010 - 16:47:09	admin	RF Configuration	Set

* Troubleshooting Log

- Click on the Troubleshooting link.
- You can refer to this page for a general troubleshooting guide.
- In case that screen resolution is 1024 x 768, you may need to use scroll bars to view all.



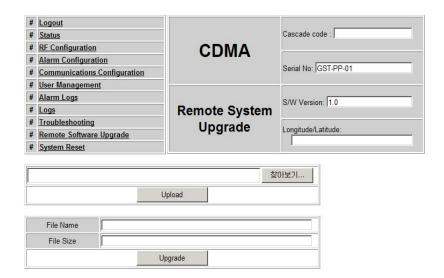
Toll Free: 1-866-9-GST-USA {Technical Support} support@gsteletechinc.com

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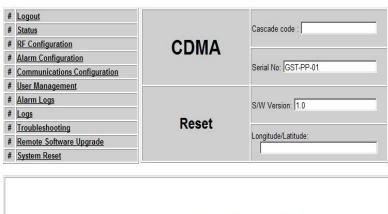
* Remote System Upgrade

• Configuration Transfer function is for downloading and uploading set values of the repeater.



* Software Reset

- A software reset is a "soft reboot" of the repeater. To reset the software, click on 'Software Reset' and then click 'Yes' to reset the software.
- Resetting the software is a good way to clear current alarms.



Are you sure you want to reset this repeater ?

<u>Yes</u> <u>No</u>