台 揚 科 技 股 份 有 限 公 司
MICROELECTRONICS TECHNOLOGY INC.

ISO 9001 Certified

MTI RU-888-0 RFID Module

User Manual Version 4.0

Content

1. Start Demo DW

1. 1   Double click the icon as in Fig.1

Fig.1

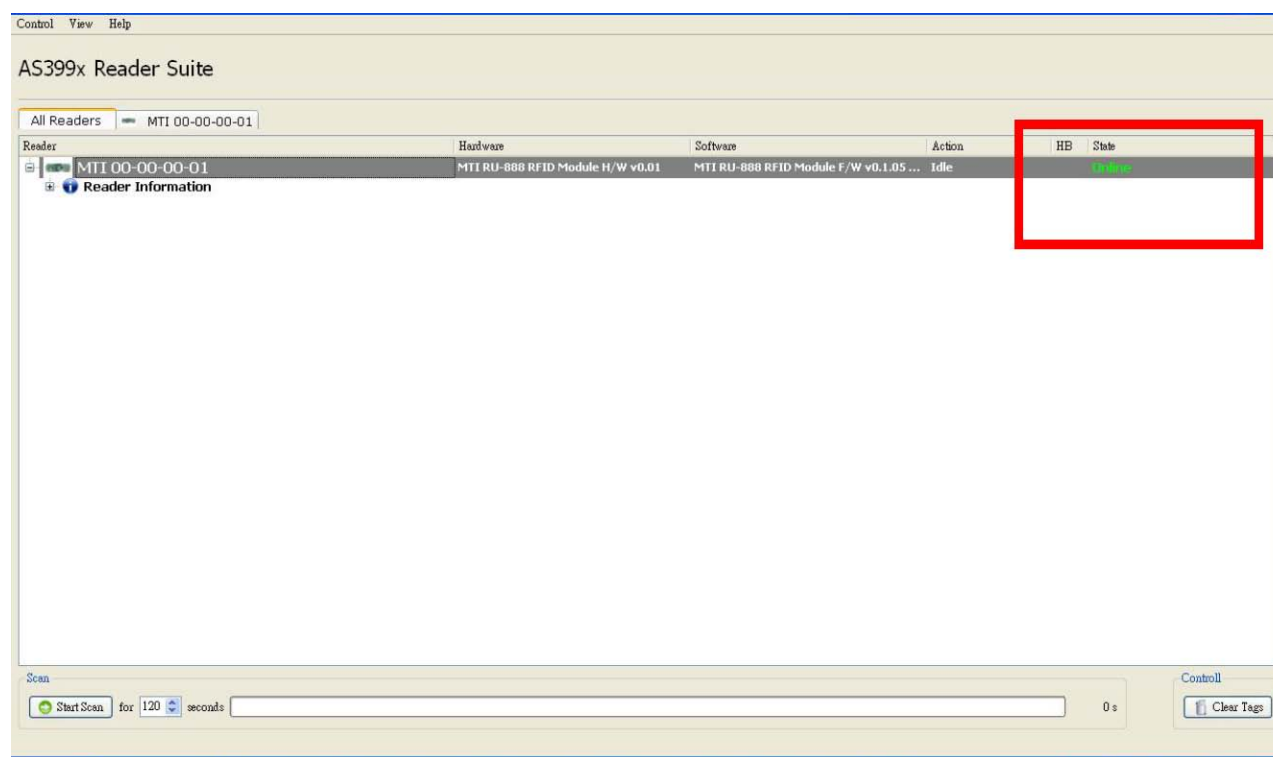1.2   Plug Antenna and USB cable you could see the Demo SW shown Online as in

Fig.2

Fig.2

2. Advanced Reader Setting

2. 1   Right click the MTI module and will show "Reader Setting " on screen. You

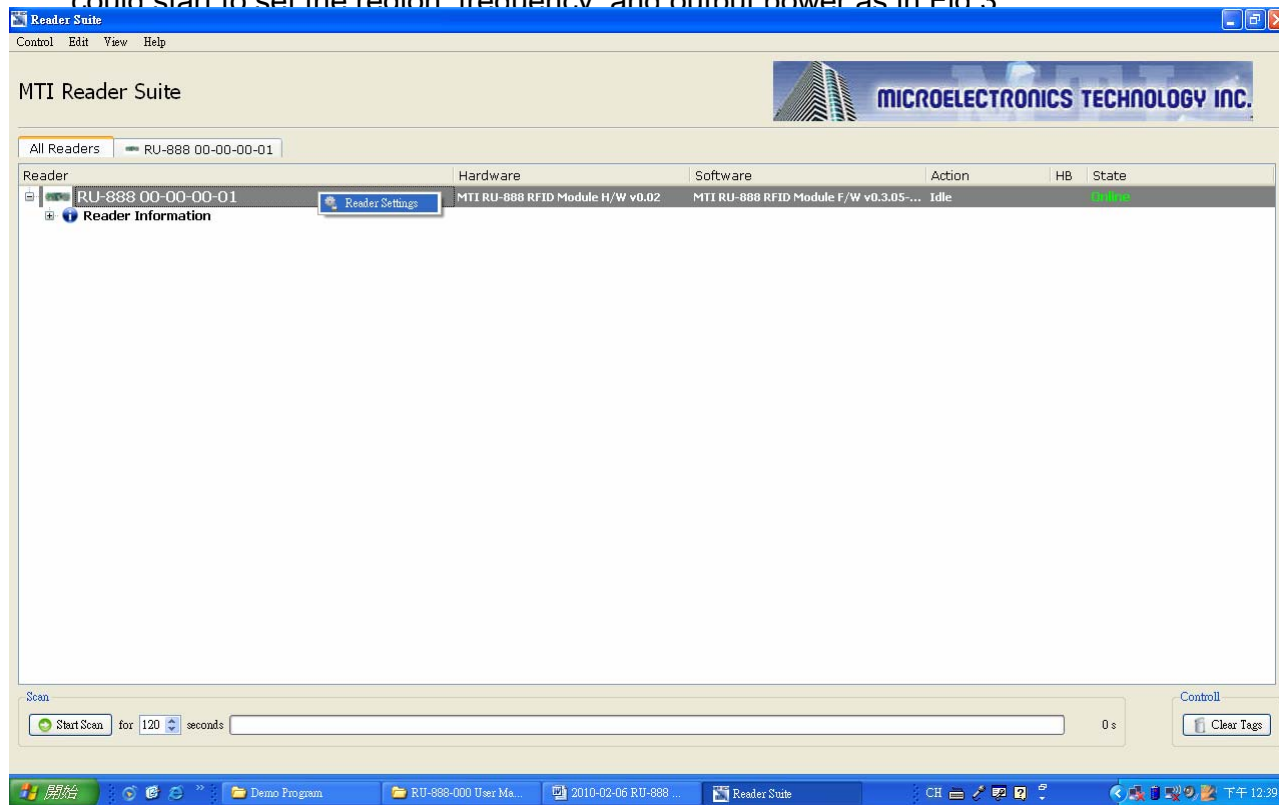could start to set the region, frequency, and output power as in Fig.3

Fig.3

2.2   Please you must set Region, Power Level, and choose Hopping in Frequency

Column when you would like to do the normal test. Press Submit to sent the parameters

and press exit to leave this window as shown in Fig.4.   「RSSI and LBT」 and 「Gen2

Setting」 Column could let you do more

advantage setting.   The default value of sensitivity level is -84 dBm. Please shift

the button if you

would like to set another value.
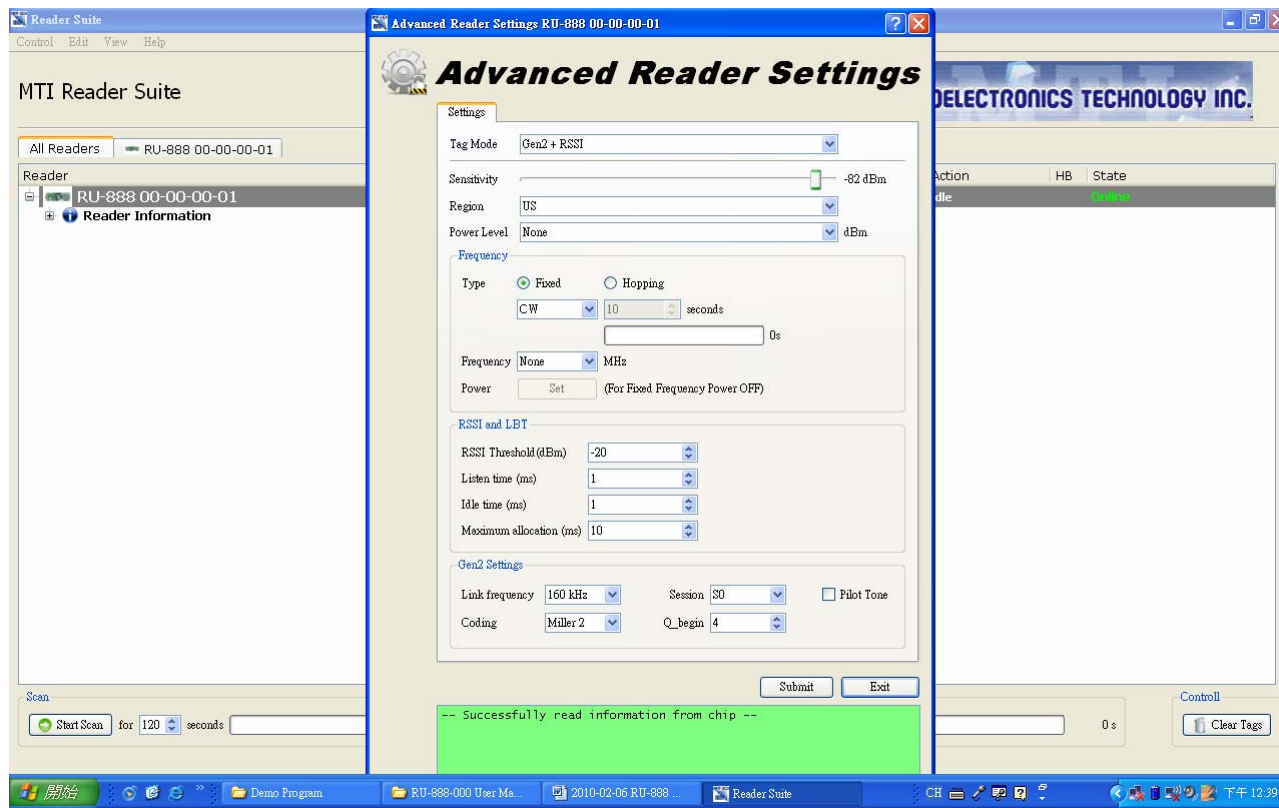
Fig.4

3. Inventory Run

3. 1   After setting the parameter, please press " Start Scan " to start the inventory run
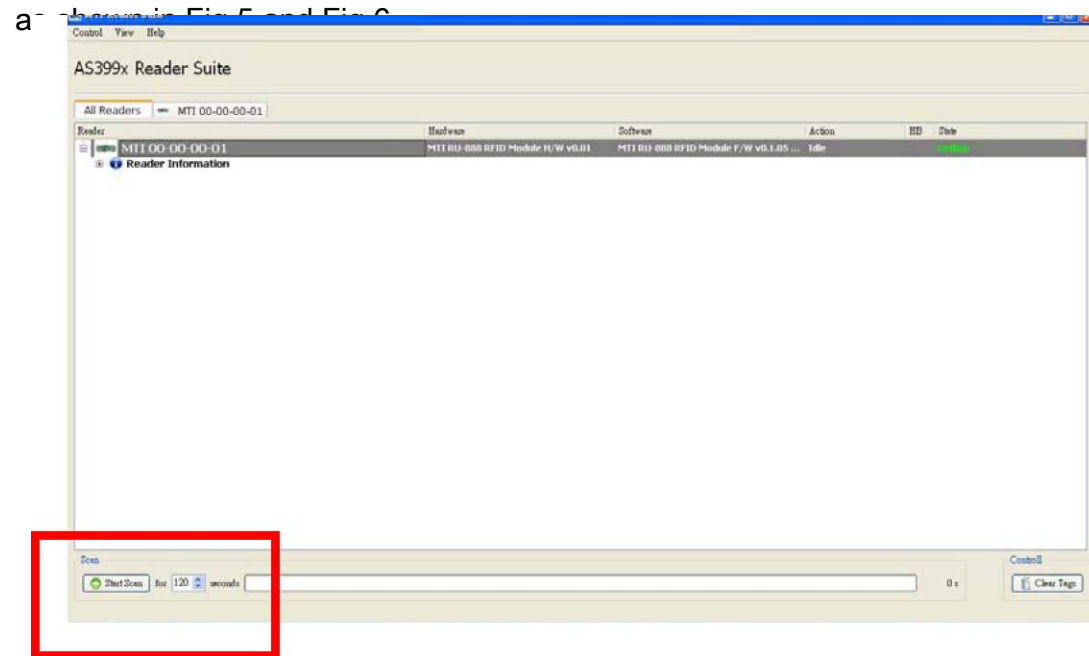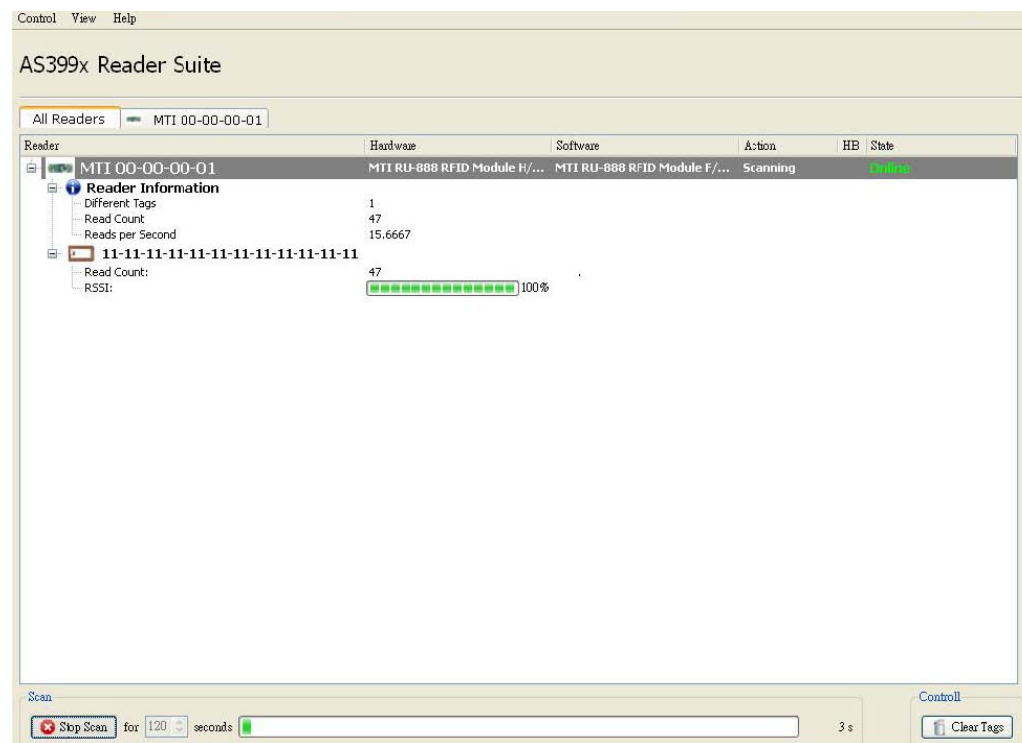
as shown in Fig.5 and Fig.6

Fig.5

Fig.6

4. Advanced Tag Setting

4.1   Please right-click on the tag that you would like to change the setting as

shown in Fig.7

Fig.7

4.2   You could set EPC, Password, Lock, or Kill the selected tag in this window as

shown in Fig. 8

Fig. 8

4.3 Option function : Memory Bank Read/Write Function.　　　You could read

Reserved, EPC, TID, and User Bank at Memory Column. Choose the one you would like to

know the information and press the Read Button as shown in Fig.9.
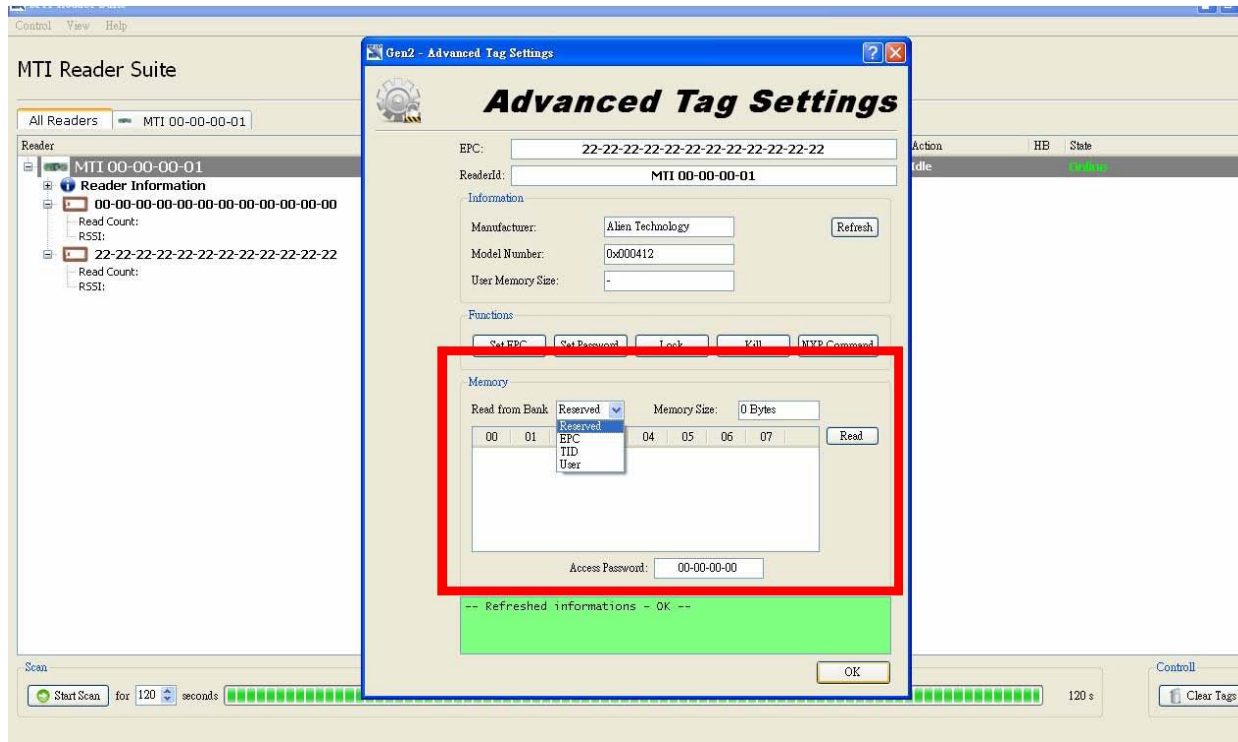
Fig. 9

a.　　You could see this kind of picture as in Fig. 10 if MTI module could get complete

information from the tag.

Fig. 10

b. You could see this kind of picture as in Fig. 11 if MTI module couldn't get

complete information from the tag.

Fig. 11

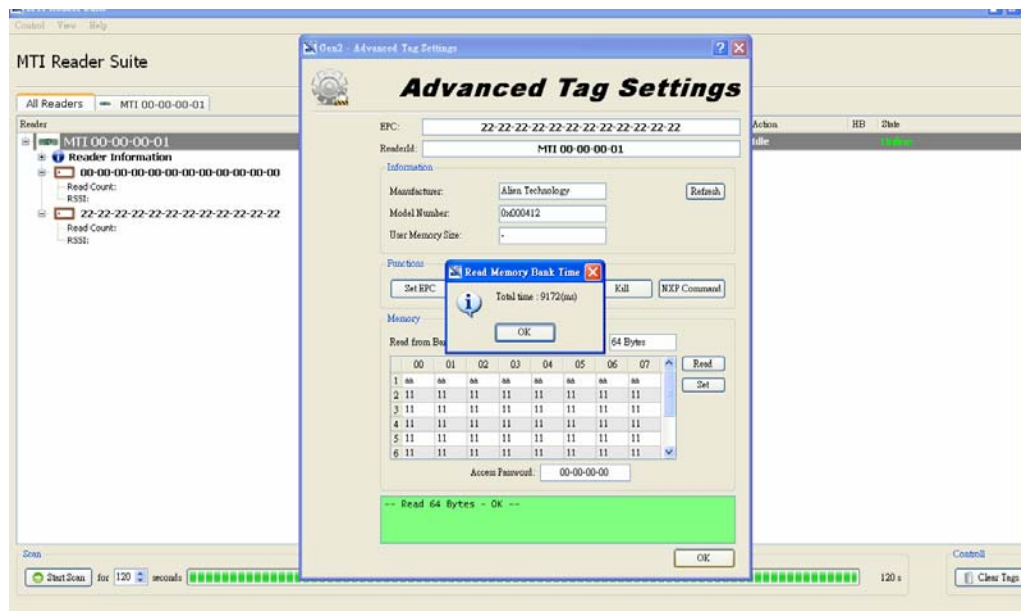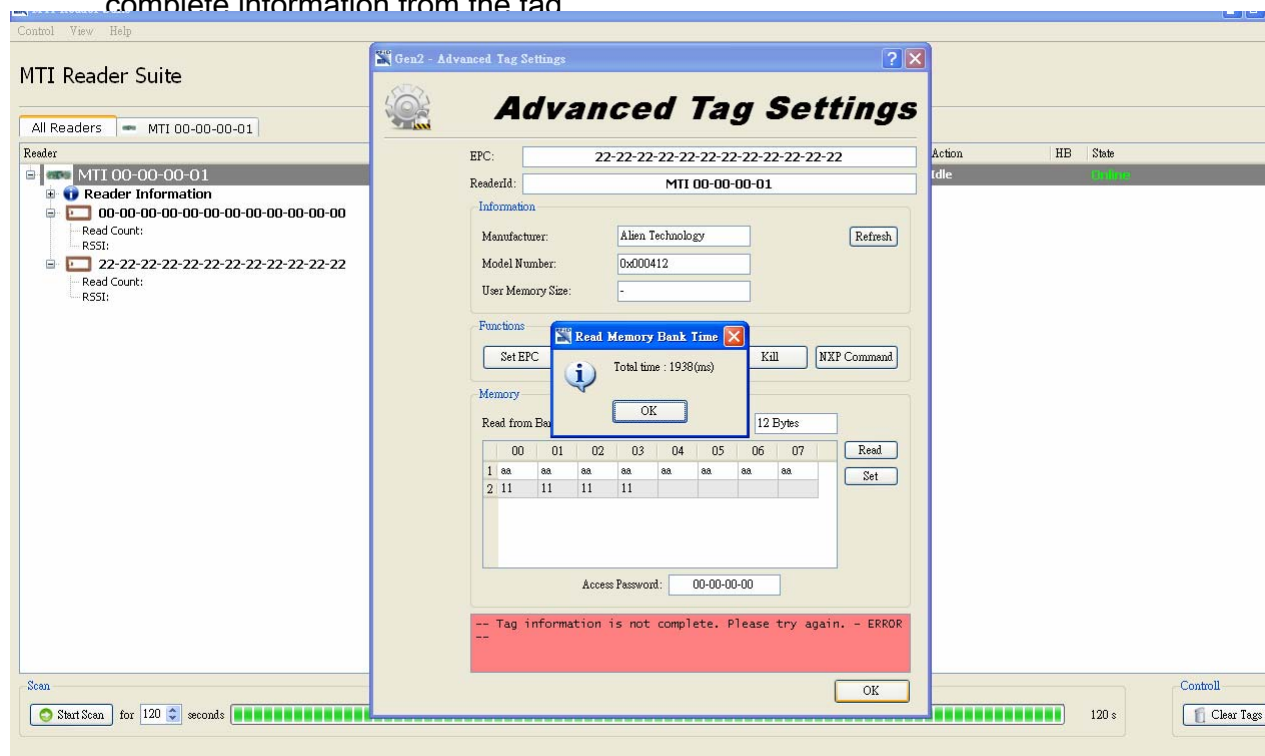4.4 Please read user bank if you would like to write any information into user bank.

Write the information into the byte you would like to modify and press Set button as shown in

Figure 12.

Fig. 12   GUI would shown pass message as shown in

Fig. 13.

Fig. 13

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.   This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

-        Reorient or relocate the receiving antenna.
-        Increase the separation between the equipment and receiver.
-        Connect the equipment into an outlet on a circuit different from that
to which the receiver is connected.
-        Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE: FCC Radiation
Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled

environment. This equipment should be installed and operated with minimum distance 20cm

between the radiator & your body. This transmitter must not be co-located or operating in

conjunction with any other antenna or transmitter.

LABEL OF THE END PRODUCT:
The final end product must be labeled in a visible area with the following"
Contains TX FCC ID: MAD-RU-888-0 ". The FCC part 15.19 statement below has
to also be available on the label: This device complies with Part 15 of FCC rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference and
(2) this device must accept any interference received, including interference that
    may cause undesired operation.