

# System Configuration

4

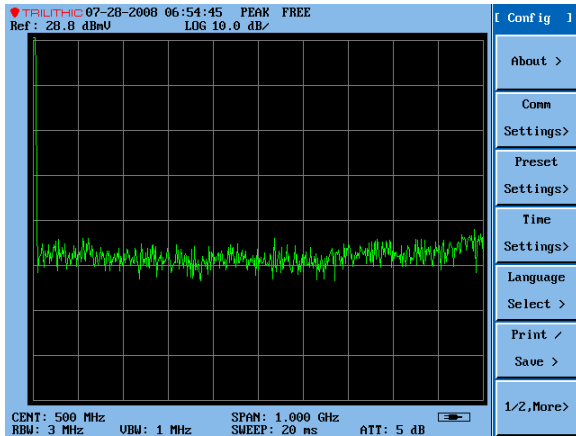
## Overview

The basic system configuration settings of the spectrum analyzer are used to set the Date, Time, Communications Settings, Display Screen Title, and Display Palette of the device. The **CONFIG** Button is located in the lower right corner of the user interface, as shown in the following figure:

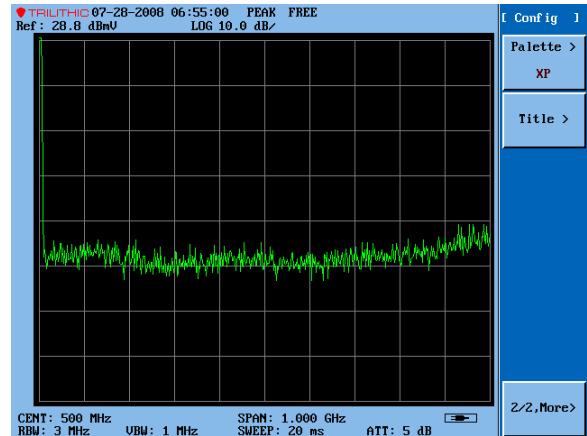


You will also learn how to capture and manage screen images using the **PRINT SAVE** Button as highlighted above.

Pressing the **CONFIG** Button on the front panel enables you to perform the system configuration. The System Configuration sub-menu will appear as follows;



**(a) System Configuration Sub-Menu  
Page 1 of 2**



**(b) System Configuration Sub-Menu  
Page 2 of 2**

The System Configuration sub-menu will allow you to;

- View general system Information including; Serial Number, Software Version, Firmware Version, etc.
- Adjust communications settings.
- View, Save, and Load preset system settings.
- Adjust time and date settings.
- Choose your default language settings.
- View and delete files stored on internal memory and save files to a USB drive.
- Change the display palette between the XP, Classic, and Outdoor views.
- Change the title that is displayed at the top of the measurement screen.

## About Menu

Press the **About** Softbutton as shown in Figure (a) on the previous page; this will enable you to view the following information about the 8821Q-R;

- Serial Number
- Software Version
- DSP Firmware Version
- Available Memory Information
- Calibration information
- Option information

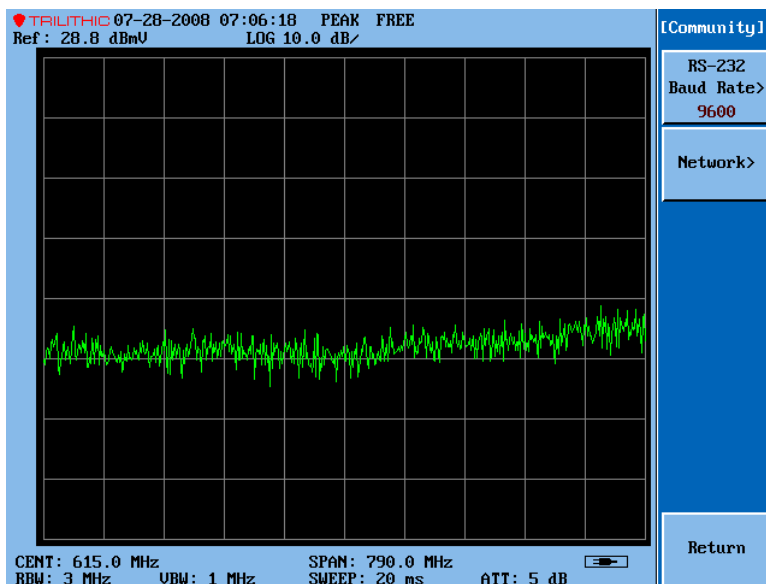
TRILITHIC 07-28-2008 06:55:59 PEAK FREE  
Ref: 28.8 dBmV LOG 10.0 dB/ [ About ]

Serial No.	022904263		
Software	3.2.08		
DSP Version	1.4.4		
<hr/>			
Total/Free Space	30.3 MB / 15.5 MB		
Frequency Response	06-30-2005 00:00:00		
Amplitude Calibrate	06-13-2008 05:56:04		
Noise Floor Calibrate	11-06-2002 02:00:16		
Digital Response	06-30-2005 00:00:00		
T.G. Response	---		
<hr/>			
Option CATV	J	Option QAM	J
Option 30Hz RBW	X	Option TU-H Trig	J
Option LAN	X	Option TG	X
Option Impulse	X	Option DTMB	X
Option Record	X		
<hr/>			
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<a href="http://www.trilithic.com">http://www.trilithic.com</a>			

Return

## Communications Settings

After pressing the **Comm Settings** Softbutton, the sub-menu which is in the following figure will appear.

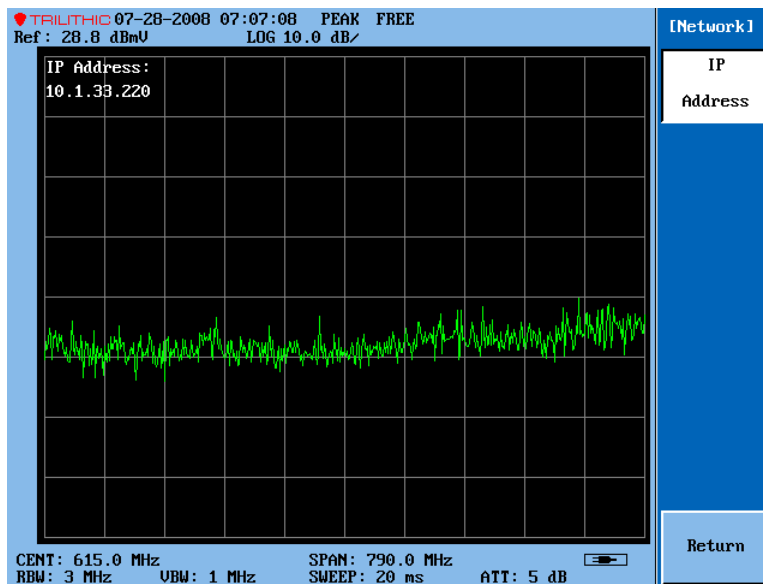


### Baud Rate (NOT AVAILABLE)

Although this menu allows you to adjust the Baud Rate of the RS-232 COM port, this port is not functional on the 8821Q-R.

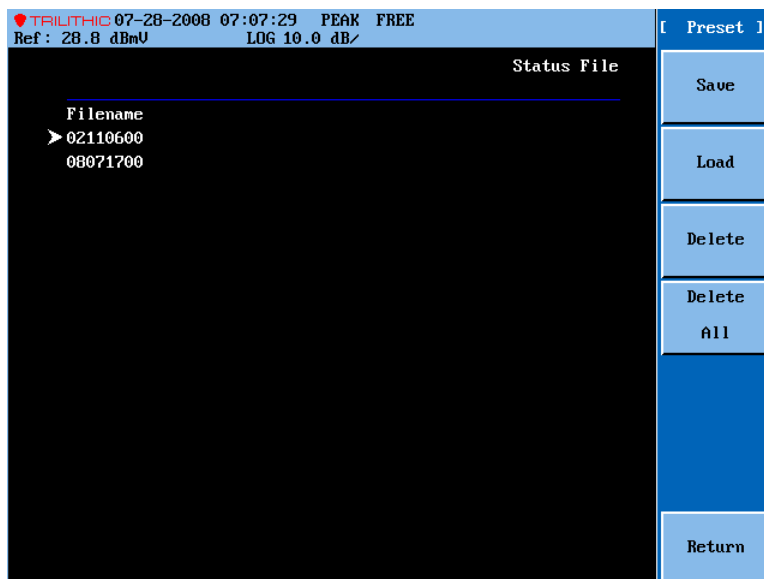
## IP Address

After pressing the **IP Address** Softbutton, the sub-menu, which is shown in the following figure, will appear and you can set the IP address of the 8821Q-R by using the keypad to enter the IP Address in the format **###.###.###.###**. After you have entered the IP Address, you can press the **ENTER** Button to accept the new IP Address.



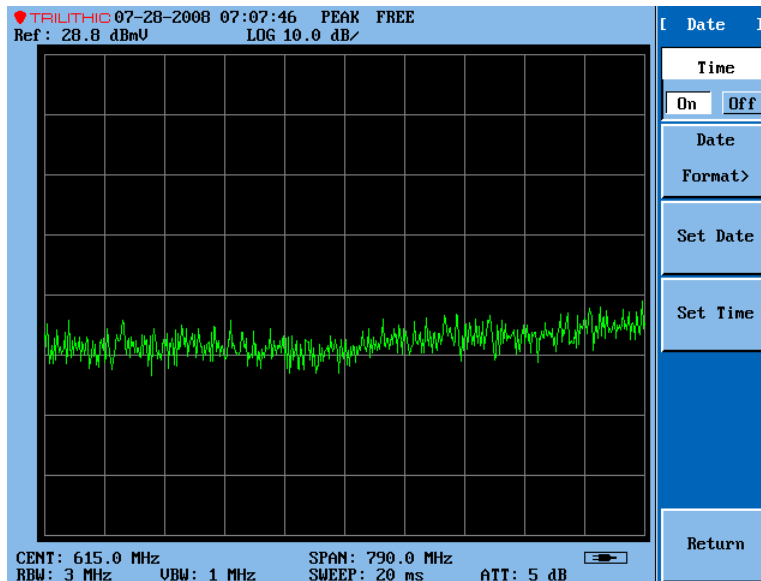
## System Preset Settings

Press the **Preset Settings** Softbutton to view the sub-menu that is shown in the following figure. In this menu, you can choose to **Save** the current System Settings, **Load** or **Del** an existing System Settings, or **View** all existing System Settings that have ever been saved.



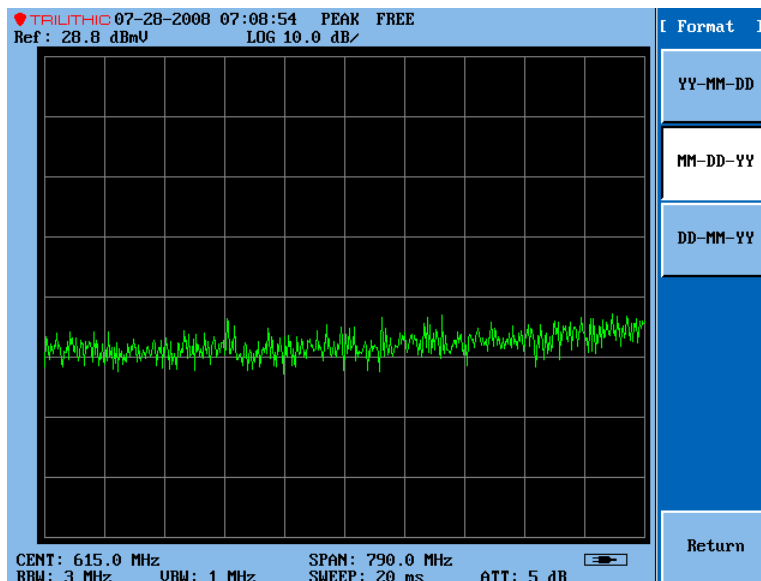
## Time & Date Settings

After pressing the **Time Settings** Softbutton; you can set the time display to **On** or **Off**. If you select **On**, you can enter the local date and time.



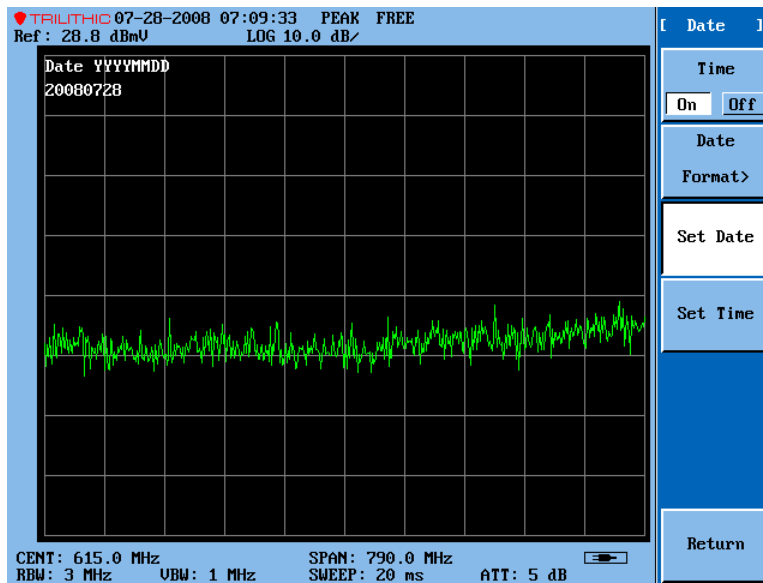
### Date Format

Press the **Date Format** Softbutton to choose your desired date format, select the corresponding softbutton as shown in the figure below. Available date formats include; YY-MM-DD, MM-DD-YY, or DD-MM-YY.



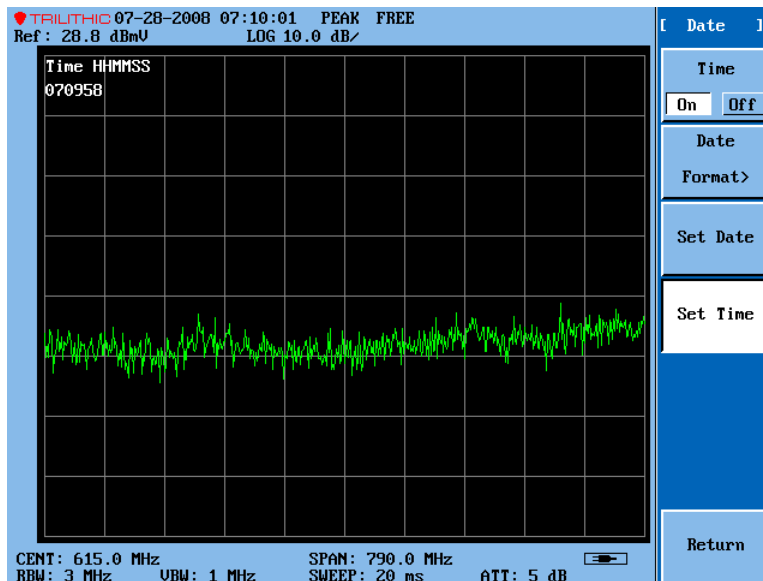
## Date Entry

To enter the current date, press the **Set Date** Softbutton and enter the date in the format YYYYMMDD as shown in the figure below.



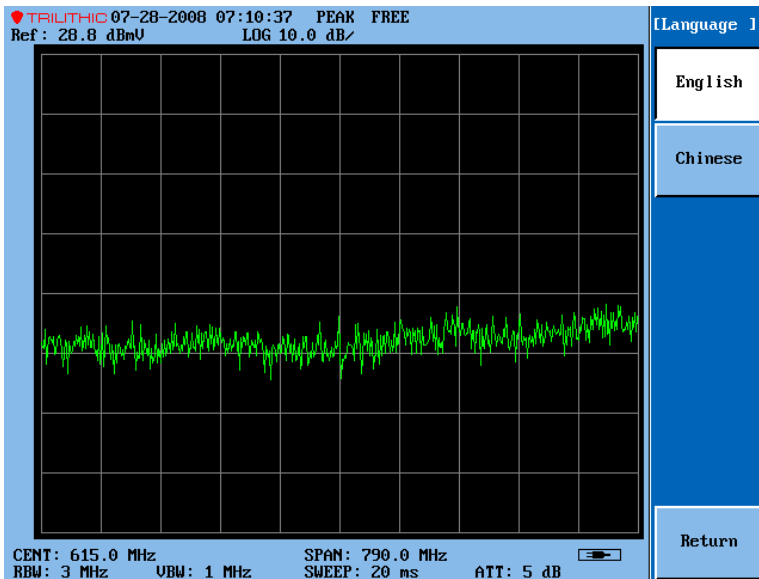
## Time Entry

To enter the current time, press the **Set Time** Softbutton and enter the date in the format HHMMSS as shown in the figure below.





## Language Select (NOT AVAILABLE)

Although the this menu allows you to adjust the Language of the 8821Q-R, this feature is not functional on the 8821Q-R.



## Screen Images

### Capturing Screen Images

While in any measurement screen you are able to capture the currently displayed image by pressing the  Button. You will be prompted to enter a file name. Use the keypad to type the name of the image file. When you have finished entering the name of the file, press the  Button to confirm the name of the file.

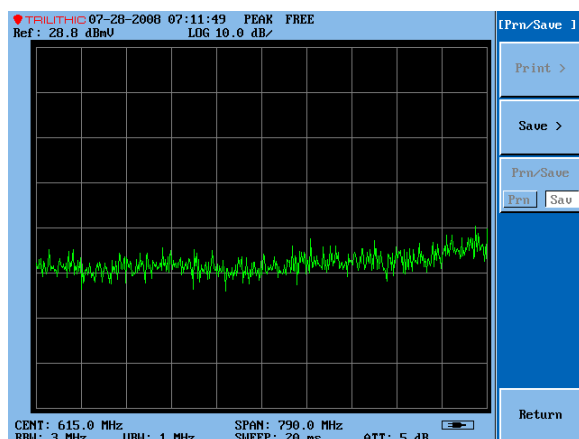
Use the following figure as a reference to the characters that are available when entering the file name using the keypad. The red text below represents the alphabetical characters that can be entered by repeatedly pressing the corresponding numerical button.



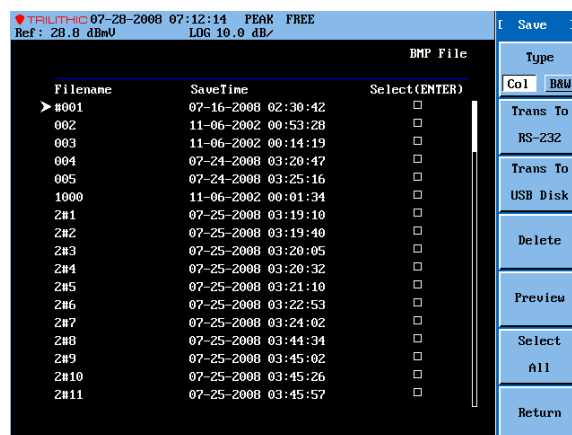
**Note:** To change between color or black and white screen images, see Selecting the Type of Screen Capture in this chapter.

## Managing Screen Images

Press the **Print/Save** Softbutton and the sub-menu shown Figure (a) will appear. From the **Print/Save** sub-menu, press the **Save** Softbutton to view the sub-menu shown in figure (b).



(a) Print/Save Sub-Menu





(b) Save Sub-Menu

## Selecting the Type of Screen Capture

To choose the type of screen capture that is taken, press the **Type** Softbutton to select between **Col** (Color) or **B&W** (Black & White).

## Selecting Screen Capture Images

To choose the images to delete or transfer to a USB drive, you can turn the knob or press the  or  Button to move the arrow that is located to the left of the image files. Once the arrow is next to the image file you want to delete or transfer, press the **ENTER** Softbutton. Then the corresponding image file will be selected.

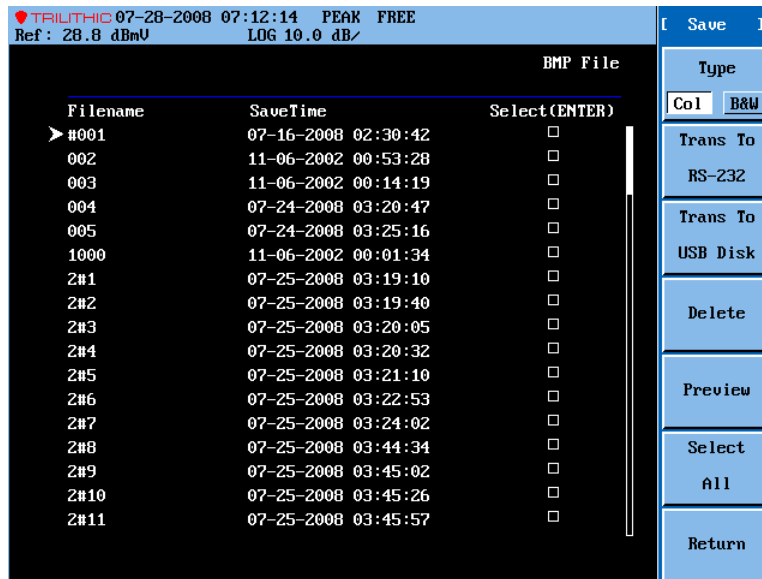
If you would like to select all of the image files in memory to delete or transfer to a USB Drive, simply press the **Select All** Softbutton.

## Transmitting Images Using the RS-232 COM Port (NOT AVAILABLE)

Although this menu allows you to select the **Trans To RS-232** Softbutton, this feature is not functional on the 8821Q-R.

## Saving Images to a USB Drive



To save selected image files to a USB Drive select the **Trans to USB Disk** Softbutton. The image files will then be copied to the USB Drive while retaining the original image files in the internal memory of the 8821Q-R until they are manually deleted.



**Note:** To transfer images to the USB Drive, the USB Drive should be inserted into the USB Port before starting the instrument.



## Deleting Screen Image Capture Files

To delete selected image files, select the **Delete** Softbutton.

You will be prompted with the question **Really Del The File(s)**. To confirm the deleting the selected files, select the  Button to delete or select the  button to cancel the deletion of the image files.

## Previewing Screen Image Captures

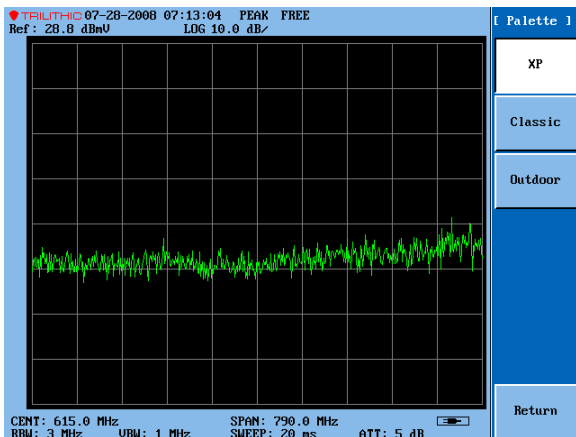
Press the **Preview** Softbutton to preview the screen image captures that are stored in the internal memory of the 8821Q-R.

You can turn the knob or press the  or  Button to move between the image files in alphabetical order by file name. Once the arrow is next to the image file you want to preview, press the **Preview** Softbutton.

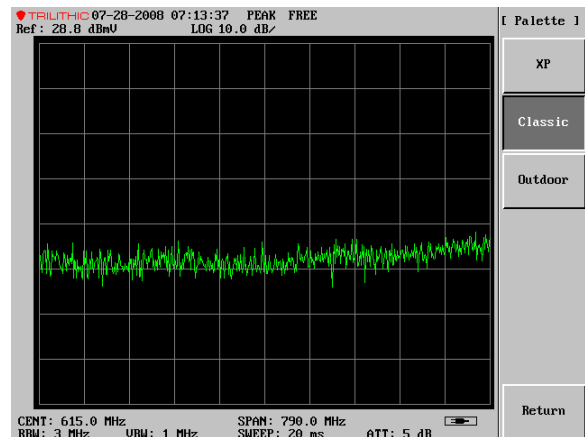
To return to the **Save** Sub-Menu, select the  Button.

# Display Palette

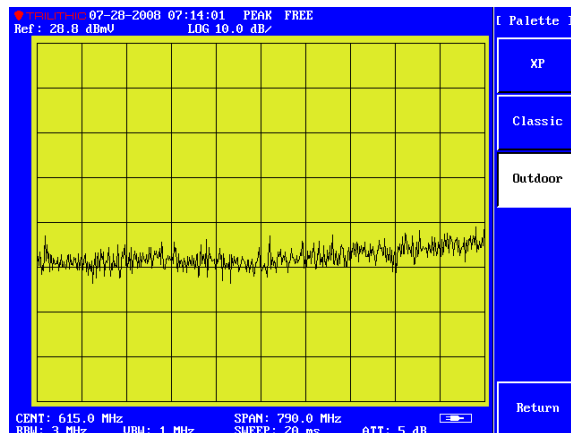
To provide a more comfortable user environment, you can change the color of display screen to better suit your personal preference or user environment. You can choose between the three different styles shown in the figures below.



(a) XP Screen Palette



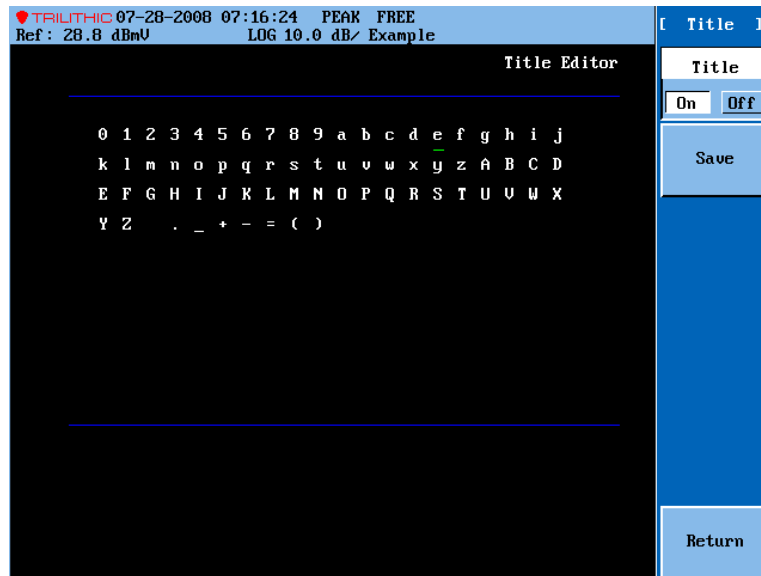
(b) Classic Screen Palette




(c) Outdoor Screen Palette

## Display Screen Title

After pressing the **Title** Softbutton, the following sub-menu will appear:



When rotating the knob, the cursor under the character will move with it. Set the cursor on the character you want to choose, then press the **ENTER** Button. The selected character will appear in the title position. Pressing the  Button will erase any unwanted characters.

Press the **Save** Softbutton to save the title. Otherwise, the input will be lost after pressing the **Return** Softbutton.