

# SURECOM SA-160

## Turn on and off the power

Turn on the power, Press and hold White button when the dot disappear from left up angle, top Menu appeared on the screen.

Turn off the power, You have 2 method :

a) On Top Menu page, Press and hold the White [F1] button at 5 second.

b) On Top Menu page, Rotary encoder on "Power off", Press the [F2 Enter]

## 1.1 Function Select

You can turn the knob select you want function and press [F2.Enter] button.

## 2.0 ANTENNA TEST EXAMPLES by Scan mode

### 2.1 [Scan] mode page

In the Top Menu screen: Rotary encoder on "Scan", Press the [F2 Enter], to frequency mode measurement button, enter Scan (scan mode) screen.

Press [F2 scan], button to start the scan operation. During scanning, in order to ensure measurement accuracy, each frequency will stay for short while. one scanning cycle will take about 1-2 seconds.

Once SCAN is done, it will enter "Present" mode (result) screen

You have results on the screen: Show the SWR curve only (because default setting SWR curve only, Zx curve, Rs curve Disable) You can Enable other curve on the screen: On Top Menu page,

Rotary encoder on "Zx", Press the [F2 Enter] to enable. Other curve will Disable when Power Off, If want enable in the future, Rotary encoder on "Save", Press the [F2 Enter] to save setting.

### 2.2 1. Infull (default SCAN range 0.56MHz -59.9MHz, span 62.1MHz)

\* Long press to [SCAN] and press [F3 UPDn] select "1.Infull", and then release the scan button.

2. lrnMk=(Learn marker move to center frequency)

\* Long press to [SCAN] and press [F3 UPDn] select "2.lrnMk", and then release the scan button.

### 2.3 [View]

view the scan frequency point on the curve on each scan of the specific parameters of the measurement results.

- Press the [F3.View] button to start the view operation mode. rotary encoder, the white triangle curve marker is move

- Dot scale will display on screen, Press bottom change the Dot scale, You have 3 options of Dot scale mode for choose, [Dot =x1] [Dot=x10][Dot= x25] . (230KHz, 2.3MHz, 5.8MHz)

SWR Full scale will display on screen, Press bottom change the graphically plot SWR, You have 3 options scale mode for choose, [SWR=x2] [SWR= x 0.5][SWR=x1] .(1-9, 1-19, 1-4.5)

## 2.4[ Quick 1] start Scan mode:

Quick view the scan frequency point on the curve on each scan

Press the button [Quick 1] to start the Quick 1 operation mode .You have 3 options scan mode for choose .

1)Press the button [F1. Scan 1] 0.5 to 27.3MHz can of the specific parameters of the measurement results.

2)Press the button [F2. Scan 2] 16.6 to 43.4MHz can of the specific parameters of the measurement results.

3)Press the button[F3. Scan 3] 33.6 to 60.0MHz can of the specific parameters of the measurement results.

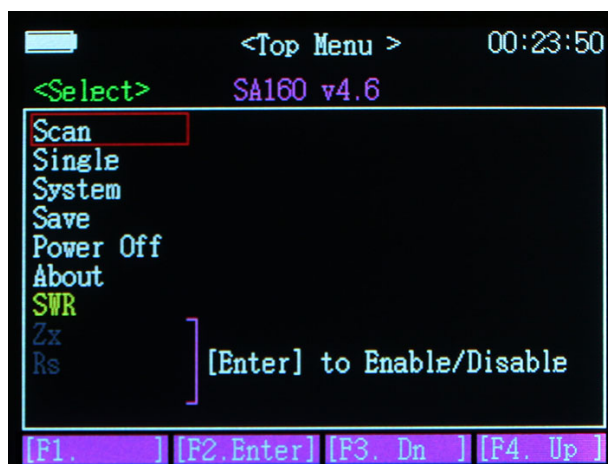


Illustration 1

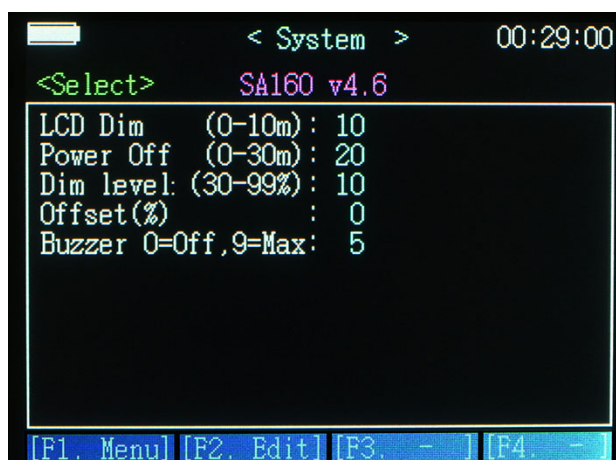


Illustration 2

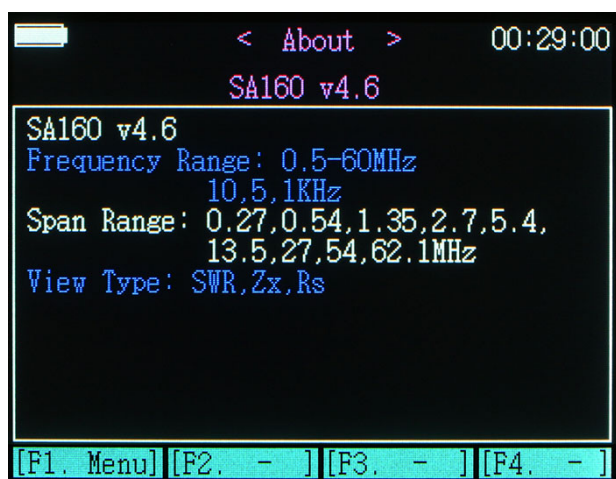


Illustration 3

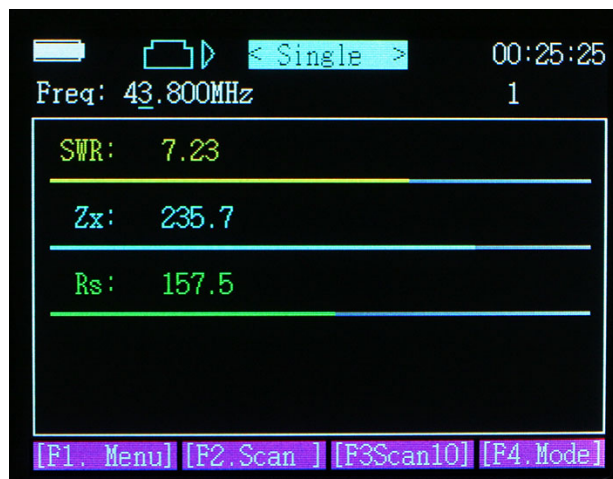


Illustration 4

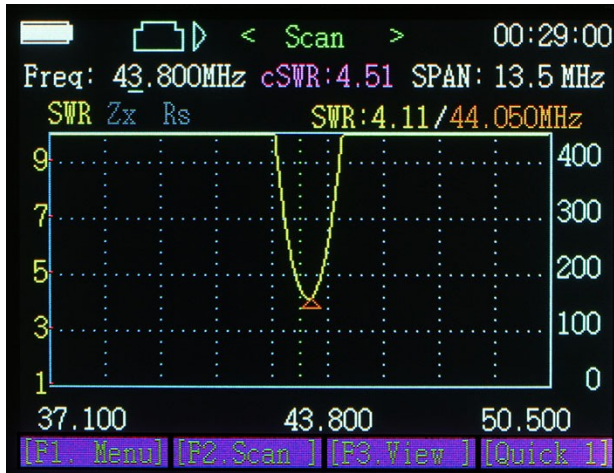


Illustration 5

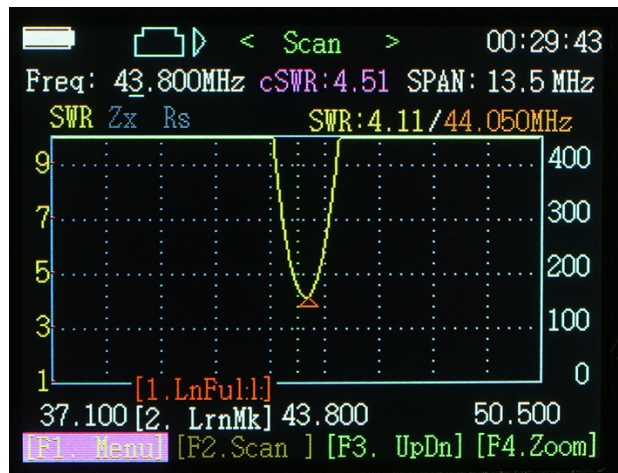


Illustration 6



Illustration 7

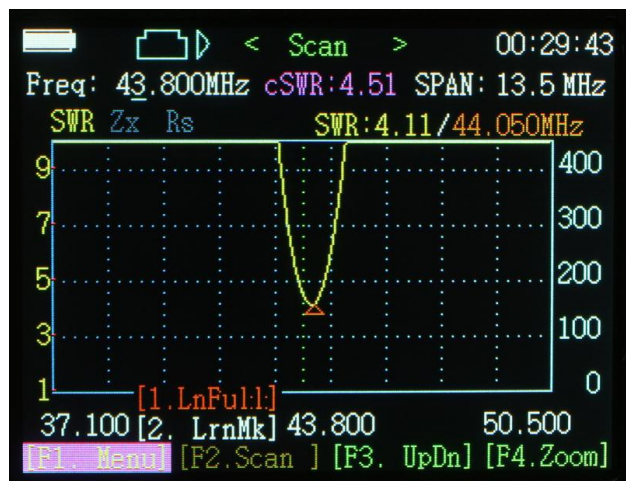


Illustration 8