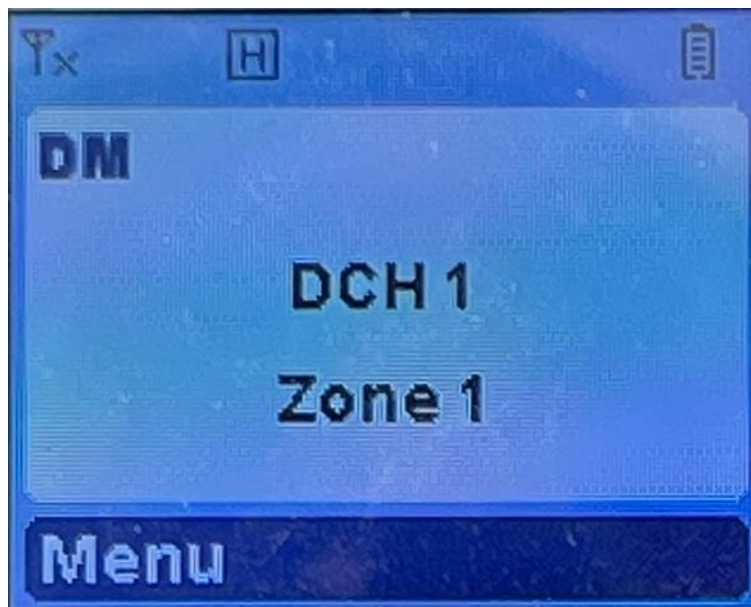


Spectrum Analyzer Mode

The purpose of the spectrum Analyzer mode is for the user to see a visual representation of the frequency verses the amplitude of the radio signals.

To get into the Spectrum Analyzer mode, turn on the radio and you will get a screen such as the one below.



Press the OK button and you will get the following screen:



Push the down arrow key until you get the following screen:



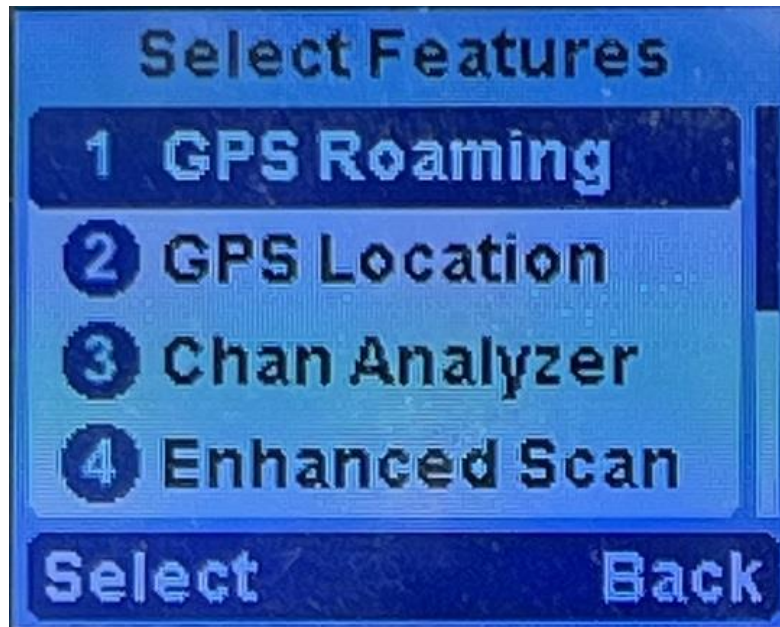
Press the OK button and you will get the following screen:



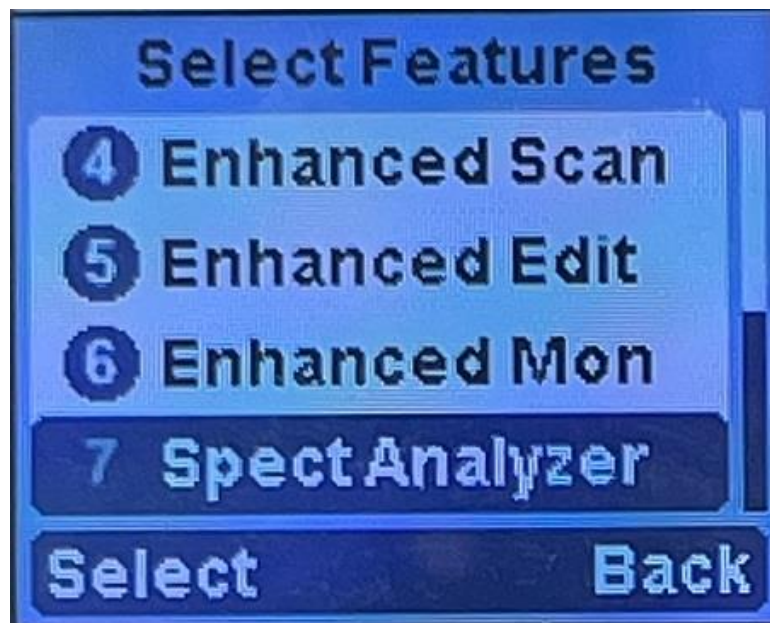
Press the down arrow key until you get the following screen:



Press the OK button and you get the following screen:

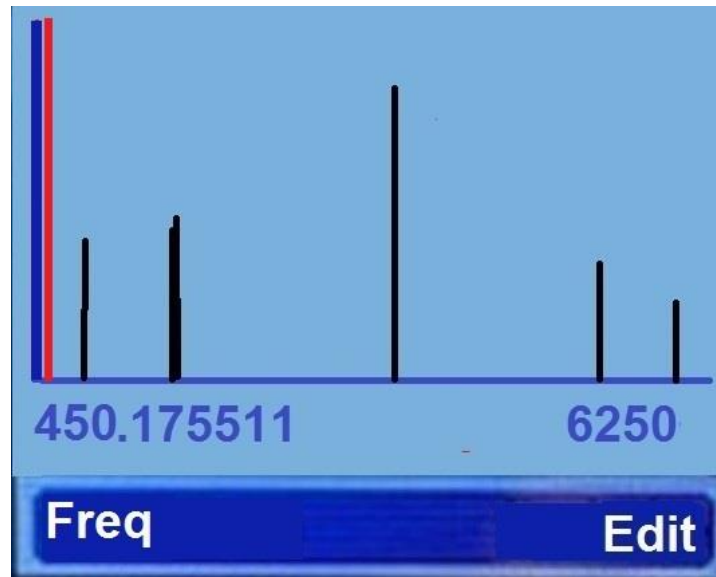


Press the Down arrow key until you get the following screen:



Press the OK key and you start the Spectrum Analyzer program as shown in the rest of this application note.

After you press the OK key, the screen should look like the screen shown below. This feature starts active using the default parameters. Pressing the edit key allows you to change the starting frequency of the scan.



The frequency value on the display corresponds to the red cursor. To move the cursor to the right, press the up-arrow key. To move the cursor to the left, press the down-arrow key.

Pressing F1 sets the starting frequency to the position of the red cursor.

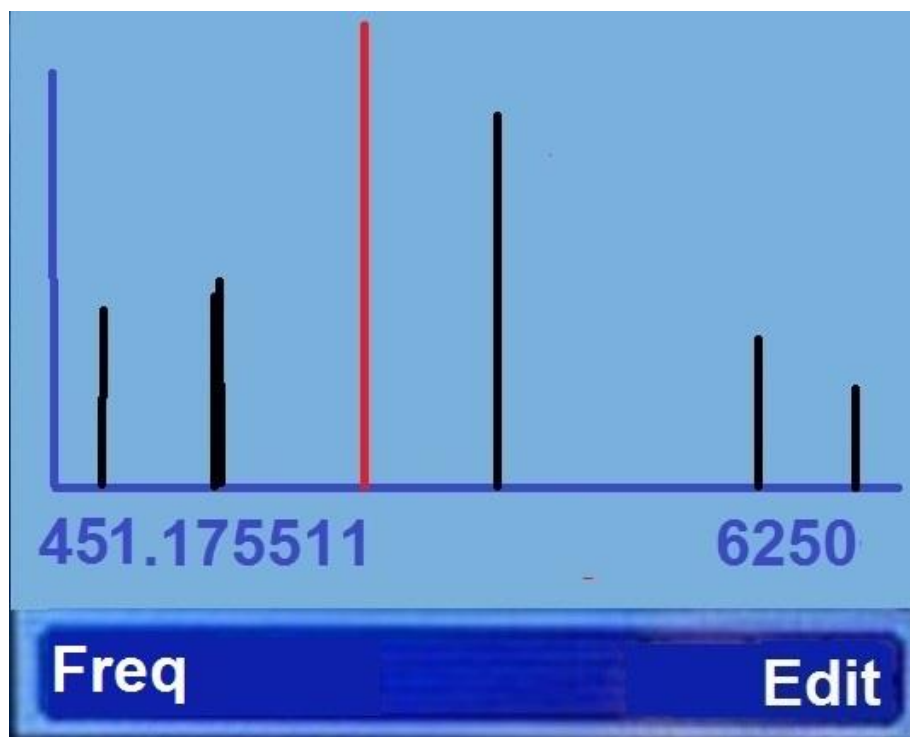
Pressing F2 will put you in the edit mode where you can change the starting frequency.

Pressing SK1 will exit you from this program.

Pressing * will change the resolution. Each time the key is pressed it will use the next item in the table. When you get to the last item in the table it will wrap around to the first item in the table. The possible resolution values is as shown in the table below.

10 Hz
100 Hz
1000 Hz
5000 Hz
6.25 KHz
12.5 KHz
25.0 KHz

Pressing the # button will change the step size of moving the cursor from one position per press to 10 positions per press and back again.



Pressing the "1" key will decrease the offset for the noise on the display. Pressing the "3" key will increase the offset for the noise on

the display. Pressing the edit key will get you to the screen show just below.



The Frequency parameter is always a nine-digit number. The program puts a decimal point after the first three digits. The first digit must always be a 4 or a 5. If the user puts in something else, the program will put in a 4.

Pressing the numeric keys enters the frequency.

Pressing F1 returns to the spectrum analyzer mode.

Pressing the SK1 key will exit from this program.