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/*  
RF Probe by Glen Popiel - KW5GP
```

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```
*/
```

```
#define Signal_Pin A0    // select the input pin for the RF sensor  
  
int Signal_Strength = 0; // variable to store the value coming from the  
sensor  
int bars;  
  
void setup()  
{  
  for (int x=2; x<=11; x++) // Set pins 2-11 as LED Outputs  
  {  
    pinMode(x, OUTPUT);  
  }  
}  
  
void loop()  
{  
  // read the value from the sensor:  
  Signal_Strength = analogRead(Signal_Pin); // Read the Signal Strength  
from the RF Sensor  
  
  // Figure out how many bars to light  
  bars = map(Signal_Strength,0,750,1,10); // Map the Signal Strength to  
number of bars (1 to 10) One is always on to indicate power  
  for (int x = 1; x<=bars; x++) // Turn on all bars up to the mapped bar  
  {  
    digitalWrite(x+1, HIGH); // Turn on the LED's  
  }  
  if (bars < 10)  
  {  
    for (int y = bars + 1; y<=10; y++) // Make sure the rest of the bars  
are off  
    {  
      digitalWrite(y+1, LOW); // Turn off the LED's  
    }  
  }  
}
```

