

## Device Sar Specifications and categories

- 1.) This unit is not classified as a portable devices.
- 2.) Exposure falls under general population/Uncontrolled exposure.
- 3.) Device transmits less than 20 mW of power in the 2.4 to 2.48 GHz band.
- 4.) The device should be considered a spread spectrum transmitter.
- 5.) Typical exposure times are less than 1 ms seconds during any broadcast interval.
- 6.) This device is tested and evaluated under part 15 section 247.
- 7.) The device is tested as a production unit.

The device operates in one of two modes. In mode one the broadcasts data for roughly 1 mS in the 2.4 to 2.48 GHz band with roughly 1 MHz of bandwidth using DSSS GFSK modulation. In the second mode the unit listens for a response for roughly 240 micro seconds. This interval repeats itself roughly every 2.5 seconds

Typical operation range is 5-100 ft.

The unit is battery operated but will be shut down if the battery gets low enough to cause the output power to deviate from the expected values.

The unit uses a meander line microstrip antenna printed on the board with less than than 3 dBi of gain and less than 10 mW of output power.