

### Radiation Exposure Evaluation

The model LPT24 is a 2.4 GHz frequency hopping spread spectrum (FHSS) module that will typically be mounted on a carrier circuit board, which will be used in a variety of housings. General applications will be for hand-held remote control of industrial equipment.

In worst case configuration the distance from the antenna to a human body may be 2.5 cm or less. Therefore, the LPT24 is categorized as a portable device by FCC CFR47 section 2.1093.

The footnote 14 of the section 3 in Supplement C to OET Bulletin 65 states ***"...if a device, its antenna or other radiating structures are operating at closer than 2.5 cm from a person's body or in contact with the body, SAR evaluation may be necessary when the output is more than 50-100 mW, depending on the device operating configurations and exposure conditions"***

The maximum conducted power is 11.9 dBm, the antenna is an integrated on-board chip antenna, 1 dBi gain (maximum). Therefore, the maximum EIRP is 12.9 dBm or 19.5 mW which is far below 50 mW. Furthermore, LPT24 operates with a Duty Cycle which further reduces the average power.

Therefore, the LPT24 may be considered to be in compliance with the FCC Radiation Exposure requirements without testing.

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