

RF exposure

According to § 1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy lever in excess of Commission's guideline. According to FCC Exclusion list , In the following table, f_{GHz} is mid-band

Exposure category	<u>low threshold</u>	<u>high threshold</u>
general population	$(60/f_{\text{GHz}}) \text{ mW}, d < 2.5 \text{ cm}$ $(120/f_{\text{GHz}}) \text{ mW}, d \geq 2.5 \text{ cm}$	$(900/f_{\text{GHz}}) \text{ mW}, d < 20 \text{ cm}$
occupational	$(375/f_{\text{GHz}}) \text{ mW}, d < 2.5 \text{ cm}$ $(900/f_{\text{GHz}}) \text{ mW}, d \geq 2.5 \text{ cm}$	$(2250/f_{\text{GHz}}) \text{ mW}, d < 20 \text{ cm}$

frequency in GHz, and d is the distance to a person's body , excluding hands, wrists, feet, and ankles.

Routine SAR evaluation refers to the specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evolution is not required, portable transmitters with output power greater than the applicable low threshold SAR evaluation to qualify for TCB approval.

Result:

This is portable device (FCC ID: PYH-UJT-BLE206) and the Max conducted peak output power is -5.037dBm, the maximum gain of antenna is 0dBi, the maximum output power is -5.037dBm (0.31mW) which is lower than 24.58mW (60/2.441GHZ)

The SAR measurement is not required.