

RF exposure information according to FCC CFR 47 part 15, §15.247(i)

The gadget transmitter is used as a portable device operating in 2402 – 2480 MHz band. It is equipped with an integral antenna.

Maximum measured transmitter power:

P _{out} conducted		Maximum antenna gain, dBi	P _{out} EIRP	
dBm	mW		dBm	mW
13.76	23.8	1.72	15.48	35

SAR test exclusion threshold for 2.48 GHz at test separation distances 5.0 mm is as follows:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}] \leq 3.0$

According to the manufacturer's declaration the device transmission time is 1.8 sec in 30 min.

The max transmitter duty cycle is 0.1%.

The equivalent averaged conducted power is 0.024 mW, the equivalent averaged EIRP is 0.035 mW

$$\begin{aligned} 35 \text{ mW} \times \text{duty cycle} &= 35 \text{ mW} \times 0.001 = 0.035 \text{ mW} \\ [0.035 \text{ mW}/5.0 \text{ mm}] \times \sqrt{2.48} &= 0.007 \times 1.575 = 0.011 \leq 3.0, \end{aligned}$$

where 5 mm is the smallest distance from antenna to outer surface of the device.

According to KDB 447498 D01 v06 the device is excluded from SAR evaluation.