

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

The PixiePoint tag transmitter is used as a portable device operating in 2402 – 2480 MHz band. It is equipped with an internal printed antenna.

Maximum measured transmitter power:

P _{out} conducted		Maximum antenna gain, dBi	P _{out} EIRP	
dBm	mW		dBm	mW
4.12	2.6	0	4.12	2.6

SAR test exclusion threshold for 2.48 GHz at test separation distances 3.0 mm is as follows:

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

$$[2.6 \text{ mW}/3.0 \text{ mm}] \times \sqrt{2.48} = 0.765 \times 1.57 = 1.36 < 3.0,$$

where 3 mm is the smallest distance from antenna to outer surface of the device.

According to KDB 447498 D01 v05r02 the device is excluded from SAR evaluation.