

RF exposure information according to FCC CFR 47 part 15, §15.247(i), RSS-102

The tag 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
-13.3	0.05	1.7	-11.6	0.07

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

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

$$[0.07 \text{ mW}/5.0 \text{ mm}] \times \sqrt{2.48} = 0.014 \times 1.57 = 0.022 < 3.0,$$

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

According to KDB 447498 D01 v06 and RSS-102 section 2.5.1 the device is excluded from SAR evaluation.