

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

The touch screen keyprox may be wall mounted or used as a portable device operating in 912.750 – 919.106 MHz band. It is equipped with an integrated internal antenna.

Maximum measured transmitter power:

P _{out} conducted		Maximum antenna gain, dBi	P _{out} EIRP	
dBm	mW		dBm	mW
16.47	44.4	-3	13.47	22.2

According to the manufacturer's declaration in every 6 min the device transmits 2 supervision messages of 6 ms duration each and 2 messages following a key press of 10 ms duration each. Total duration is 32 ms. The duty cycle is 9×10^{-5} .

Maximum conducted power is 44.4 mW.

Equivalent averaged conducted power is equal to

$$44.4 \text{ mW} \times \text{duty cycle} = 44.4 \text{ mW} \times 9 \times 10^{-5} = 400 \times 10^{-5} \text{ mW} = 0.004 \text{ mW}.$$

According to KDB 447498 D01 v05r02 and RSS-102 section 2.5.1 the device is excluded from SAR evaluation.