RF exposure information according to FCC CFR 47 part 15, §15.247(i), part 2, §2.1093, RSS-102

The keyfob is a portable device operating in 912.750 – 919.106 MHz band. It is equipped with an integrated internal antenna.

No SAR evaluation required if a transmitter power is below the following low threshold:

60/f (GHz) [mW] = 60/0.915863 [mW] = 65.5 [mW] (FCC) or 200 mW (RSS-102).

Tunable range, GHz		Center of tunable band,	60/f SAR limitation,
Flow	Fhigh	GHz	mW
0.912750	0.919106	0.915863	65.5

Maximum measured transmitter power:

Pout conducted		Maximum antenna gain,	Pout E	Pout EIRP	
dBm	mW	dBi	dBm	mW	
27.93	621	-15	12.93	19.6	

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 621 mW.

Equivalent conducted power is 621 mW x duty cycle = 621 mW x 9 x 10^{-5} = 5590 x 10^{-5} mW = 0.056 mW.

Threshold for no SAR evaluation is 65.5 mW.

<u>Conclusion:</u> No SAR evaluation is required since the maximum transmitter radiated power is below the FCC and RSS-102 threshold.