

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

The control unit is a portable device operating in 2401-2482 MHz band.

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

$$60/f \text{ (GHz) [mW]} = 60/2.44 \text{ [mW]} = 24.6 \text{ [mW]}.$$

Tunable range, GHz		Center of tunable band, GHz	60/f SAR limitation, mW
Flow	Fhigh		
2.401	2.482	2.441	24.6

Maximum measured transmitter power:

P _{out} conducted, mW	Maximum antenna gain, dBi	P _{out} EIRP, mW
1.86	-2.3	1

Threshold for no SAR evaluation is 24.6 mW, maximum measured Tx power is 1.86 mW – conducted and 1 mW- EIRP.

Conclusion: No SAR evaluation is required since the maximum transmitter output power, both conducted and radiated, is below the FCC threshold.