

# SAR Calculation for Possio PX30

The Bluetooth radio of the PX30 has a maximum transmit power below 100mW. The following text is included in the PX30 manual:

"In order to meet FCC requirements for RF exposure compliance, please install the PX30 in a location which assures that users will not approach closer than 20 cm while the PX30 is in normal operation."

Thus the EIRP shall be below:

$$0.2 \text{ W} / (4\pi * (0.2\text{m})^2) = 0.398 \text{ W/m}^2.$$

which fullfills FCC SAR requirements.