RF Exposure evaluation

Product Description：Fitness Tracker
Model Number：Funny C
FCC ID：2AQND－FUNNYC
According to 447498 D01 General RF Exposure Guidance v05 The 1－g and 10－g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances $\leq 50 \mathrm{~mm}$ are determined by：［（max．power of channel，including tune－up tolerance，mW）／（min．test separation distance， mm$)] \cdot[\mathrm{Vf}(\mathrm{GHz})] \leq 3.0$ for $1-\mathrm{g}$ SAR and $\leq 7.5$ for $10-\mathrm{g}$ extremity SAR， where
$\mathrm{f}(\mathrm{GHz})$ is the RF channel transmit frequency in GHz
Power and distance are rounded to the nearest mW and mm before calculation

According to the follow transmitter output power（ Pt ）formula：
$\mathrm{Pt}=(\mathrm{Exd}) 2 /(30 \times \mathrm{gt})$
$\mathrm{Pt}=$ transmitter output power in watts
gt＝numeric gain of the transmitting antenna（unitess）
E＝electric field strength in $\mathrm{V} / \mathrm{m}$
$\mathrm{d}=$ measurement distance in meters（m）

According to the formula described above：
$E m a x=\underline{92.26} \mathrm{dBuv} / \mathrm{m}=\underline{0.041} \mathrm{~V} / \mathrm{m}, \mathrm{d}=3 \mathrm{~m}, \mathrm{~g}_{\mathrm{t}}=1$
$\left.P_{t}=(E \times d)\right)^{2} /\left(30 \times g_{t}\right)=(0.041 \times 3)^{2} /(30 \times 1)=0.0005043 W=0.50 \mathrm{~mW}$

The result is rounded to one decimal place for comparison
Worse case is as below：［ $2402 \mathrm{MHz}-0.50 \mathrm{~mW}$ output power］
$(\mathbf{0 . 5 0 m W} / 5 \mathrm{~mm})^{*}[\sqrt{ } 2.402(\mathrm{GHz})]=\underline{\mathbf{0 . 1 6}}<3.0$ for $1-\mathrm{g}$ SAR
Then SAR evaluation is not required

NOTE：For the maximum power，you can refer FCC test report．

