



Exemption from SAR evaluation

Tandem Diabetes
CWO-TWM001

FCC OET KDB 447498 D01 states that unlicensed intentional radiators that meet the output power requirements as stated in section 2(a)(i) may be used in a portable exposure condition with no restrictions on host platform.

Output Power Evaluation.

Evaluation Frequency = 2402MHz

Device Operation separation distance: ≤20cm

Maximum Effective Isotropic Radiated Power (dBm) = $5.3 \text{ dBm} + 0.5 \text{ dBi}$ = 5.8dBm

Maximum Effective Isotropic Radiated Power (mW) = $\log^{-1}(\text{EIRP(dBm)/10})$ = 3.388mW

Section 2(a)(i) general public use limit:

P_{out} ≤ 60/f(GHz)

Limit = $60/2.4$ = 25.0mW

Conclusion:

Since the maximum effective isotropic radiated power (EIRP) is less than the applicable limit of 25.0mW, the Product is exempt from SAR Evaluation.