

TÜV Rheinland Nederland B.V.

ACB
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To whom it may concern,

On behalf of our customer Tacx B.V., we hereby declare the following device:

FCC ID : 2AAMI-T2180
 Brand : Tacx
 Model : T2180 Vortex
 Description : Wireless Communication Device

The EUT has 2 transmitters which never send simultaneously. The highest output power is from the ANT part.

Has a maximum conducted peak power of -1.53 dBm, equals 0.7 mW. With an antenna gain of 2.0 dBi this comes down to 1.10 mW in the frequency range of 2402 – 2480 MHz, which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows :

$$S = \frac{EIRP}{4 \cdot \pi \cdot R^2} \quad (\text{power density without reflection})$$

$$S = \frac{2^2 \cdot EIRP}{4 \cdot \pi \cdot R^2} \quad (\text{power density with 100\% reflection})$$

$$S = \frac{2^2 \cdot EIRP}{4 \cdot \pi \cdot R^2} = \frac{EIRP \text{ (mW)}}{\pi \cdot (20\text{cm})^2} = \frac{0.0011}{\pi \cdot (20)^2} = 0.0088 \text{ mW/cm}^2$$

(limit = 10 W/m² is 1.0 mW/cm²)

This means that the equipment is in compliance with EC OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01).

Best regards,
 TÜV Rheinland Nederland B.V.



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