

To whom it may concern,

On behalf of our customer Tacx b.v., we hereby declare the following device:

FCC ID : 2AAMI-T2875
Brand : Tacx
Model : T2875
Description : Wireless Communication Device

The EUT has 2 transmitters (BLE and ANT+) which never send simultaneously. The highest output power is from the BLE part. The RF exposure assessment is based on the BLE mode. The EUT is considered as 'Mobile' use.

The EUT has a maximum rated output power in BLE mode of 0.84 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 :

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

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

$$S = \frac{2^2 \cdot EIRP}{4 \cdot \pi \cdot R^2} = \frac{EIRP \text{ (mW)}}{\pi \cdot (20\text{cm})^2} = \frac{0.84}{\pi \cdot (20)^2} = 0.0007 \text{ mW/cm}^2$$

(limit = 10 W/m² is 1.0 mW/cm²)

This means that the equipment is in compliance with FCC KDB Publication 447498, 47 C.F.R. §1.1310 and §2.1091

The EUT fulfils the requirements of RSS-102 Issue 5 Section 2.5.2. stating:
at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz.

For this EUT this calculates to: $1.31 \times 10^{-2} (2400^{0.6834}) = 2.7 \text{ W}$.

The EUT's maximum rate output power (EIRP) of 0.84 mW is within this requirement.

Note: For conservativeness, the lowest frequency is used for calculation.

Best regards,
TÜV Rheinland Nederland B.V.



R. van der Meer, Test Engineer