

# RF Exposure Report

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## Airofit Breathing Trainer

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## 1 Purpose and scope

The document is the report for a RF exposure assessment.

### 1.1 RF exposure assessment

**FCC ID: 2ATQX-AF002**

**IC: 25191-AF002**

The transmitter operates from 2.402 GHz to 2.480 GHz with a maximum rated power of 0.3 mWatts.  
It has an antenna with 0.5 dBi peak gain.

The device is for portable use where the transmit antenna is 4mm from the user.

### 1.2 FCC assessment to meet FCC rule part 2.1093

The following calculation uses the equation in section 4.3 of FCC KDB 447498:

$[(\text{max. power, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [V_f(\text{GHz})]$

Output power is 0.3 mW. Distance is 4 mm. Frequency is 2.48 GHz

$[(0.3 / 4) \cdot \sqrt{2.48}] = 0.118 = < 3$

**Conclusion:** A SAR test is not required for this portable device.

### 1.3 ISED Canada assessment to meet RSS-102 issue 5

The device must meet the thresholds in Table 1 of section 2.5.1 to be exempt from SAR testing.

The threshold for use at  $\leq 5$  mm is  $\leq 4$  mW.

Output power is 0.3 mW. Gain is 0.5 dBi. e.i.r.p. is therefore 0.34 mW.

Distance is 4 mm. Frequency is 2.48 GHz

By using this table:  $0.34 \text{ mW} < 4.0 \text{ mW}$

**Conclusion:** A SAR test is not required for this portable device.