Product

ID: -
Name: -
Model: -
Version: *AF003*
Manufacturer: *Airofit A/S*

Airofit AF003

RF Exposure Report

Author's Signature:
The signature indicates that this document has been prepared in accordance with expectations from the Quality Manual, applicable SOPs, and that Good Documentation Practices have been followed.

Author: **Meaning associated with the Signature, Date and Signature**

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Document History

Version	Author	Date (DD-MMM-YYYY)	Comments
1.0	Kenn Milton	See Approval Page for Last Signature	This is the first approved version of this document

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1 Purpose

The document is the report for a RF exposure assessment.

1.1 RF Exposure Assessment

FCC ID: 2ATQX-AF003

ISED ID: 25191-AF003

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.

2 FCC assessment to meet FCC rule part 2.1093

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

[(max. power, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f(GHz)]

Output power is 0.3 mW.

Distance is 4 mm.

Frequency is 2.48 GHz

[(0.3 / 4) * √ 2.48] = 0.118 = <3

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

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 ≤5 mm is ≤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 mW < 4.0 mW

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