	DOCUMENT ID : Airofit	VERSION NUMBER: 1.0
TITLE: AF003 RF Exposure Report		

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

Kenn Milton
Consultant
Airofit A/S

CONFIDENTIALITY: Business Use Only	PAGE: 1 of 5	LOCATION: MyBlueLabel
Any print-out of this document is considered an Uncontrolled Copy.		

	DOCUMENT ID :	VERSION NUMBER:
	Airofit	1.0
TITLE: AF003 RF Exposure Report		

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

AIRFIT	DOCUMENT ID : Airofit	VERSION NUMBER: 1.0
TITLE: AF003 RF Exposure Report		

Table of Contents

1	Purpose	4
1.1	RF exposure assessment	4
2	FCC assessment to meet FCC rule part 2.1093	5
3	ISED Canada assessment to meet RSS-102 issue 5	5

AIRFIT	DOCUMENT ID : Airofit	VERSION NUMBER: 1.0
TITLE: AF003 RF Exposure Report		

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.

CONFIDENTIALITY: Business Use Only	PAGE: 4 of 5	LOCATION: MyBlueLabel
Any print-out of this document is considered an Uncontrolled Copy.		

	DOCUMENT ID : Airofit	VERSION NUMBER: 1.0
TITLE: AF003 RF Exposure Report		

2 FCC assessment to meet FCC rule part 2.1093

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

$$\left[\frac{(\text{max. power, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \cdot \sqrt{f(\text{GHz})}$$

Output power is 0.3 mW.

Distance is 4 mm.

Frequency is 2.48 GHz

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

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.

CONFIDENTIALITY: Business Use Only	PAGE: 5 of 5	LOCATION: MyBlueLabel
Any print-out of this document is considered an Uncontrolled Copy.		