Report No.: GTS202004000010R02

RF Exposure Report

Applicant:	Aura Smart Air LTD
Address of Applicant:	Ha-Aliya ha-Shinya St 43, Azor, Israel
Manufacturer:	Aura Smart Air LTD
Address of Manufacturer:	Ha-Aliya ha-Shinya St 43, Azor, Israel

Equipment Under Test (EUT)

Product Name:	All in one smart air management system with unique sensors, air purifying abilities and connectives
Model No.:	Aura Air
Trade Mark:	Aura Air
Applicable standards:	RADIATION PROTECTION SERIES No.3
Date of sample receipt:	May 07, 2020
Date of Test:	May 08-22, 2020
Date of report issue:	May 22, 2020
Test Result :	PASS *

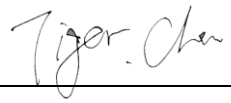
* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Robinson Lo
Laboratory Manager

2 Version

Version No.	Date	Description
00	*May 22, 2020*	*Original*

Prepared By:  ***Date:*** *May 22, 2020*

Project Engineer

Check By:  ***Date:*** *May 22, 2020*

Reviewer

3 Contents

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4 General Information

4.1 General Description of EUT

Product Name:	All in one smart air management system with unique sensors, air purifying abilities and connectives
Model No.:	Aura Air
Operation Frequency:	2412MHz~2462MHz(802.11b/802.11g/802.11n(HT20))
Channel Separation:	11 for 802.11b/802.11g/802.11n(HT20)
Channel separation:	5MHz
Modulation Technology:	802.11b: DSSS 802.11b/ 802.11g/ 802.11n(HT20): OFDM
Antenna Type:	PCB Antenna
Antenna Gain:	2.0dBi(declare by applicant)
Maximum Output Power:	802.11b: 92.47mW 802.11g: 233.346mW 802.11n(HT20): 237.137mW
Power Supply:	Class 2 Power Supply MODEL: A653-1205000I INPUT: AC 100-240V, 50/60Hz, OUTPUT: DC 12V, 5A, 60W

4.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC —Registration No.: 381383**

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 381383.

● **IC —Registration No.: 9079A**

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A

● **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0

4.3 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.
Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102
Tel: 0755-27798480
Fax: 0755-27798960

4.4 Description of Support Units

The EUT has been tested as an independent unit.

4.5 Deviation from Standards

None.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer

None.

5 Technical Requirements Specification in RADIATION PROTECTION SERIES No.3

Test Requirement:	RADIATION PROTECTION SERIES No.3
Test Method:	RADIATION PROTECTION SERIES No.3
Limit:	**REFERENCE LEVELS FOR TIME AVERAGED EXPOSURE TO RMS ELECTRIC AND MAGNETIC FIELDS (UNPERTURBED FIELDS)**
Result:	Pass

Exposure category	Frequency range	E-field strength (V/m rms)	H-field strength (A/m rms)	Equivalent plane wave power flux density S_{eq} (W/m^2)
Occupational	100 kHz – 1 MHz	614	$1.63/f$	–
	1 MHz – 10 MHz	$614/f$	$1.63/f$	$1000/f^2$ (see note 5)
	10 MHz – 400 MHz	61.4	0.163	10 (see note 5)
	400 MHz – 2 GHz	$3.07 \times f^{0.5}$	$0.00814 \times f^{0.5}$	$f/40$
	2 GHz – 300 GHz	137	0.364	50
General public	100 kHz – 150 kHz	86.8	4.86	–
	150 kHz – 1 MHz	86.8	$0.729/f$	–
	1 MHz – 10 MHz	$86.8/f^{0.5}$	$0.729/f$	–
	10 MHz – 400 MHz	27.4	0.0729	2 (see note 6)
	400 MHz – 2 GHz	$1.37 \times f^{0.5}$	$0.00364 \times f^{0.5}$	$f/200$
	2 GHz – 300 GHz	61.4	0.163	10

NOTES:

1 ***f* is the frequency in MHz.**

2 For frequencies between 100 kHz and 10 GHz, S_{eq}, E^2 and H^2 must be averaged over any 6 minute period.

3 For frequencies exceeding 10 GHz, S_{eq}, E^2 and H^2 must be averaged over any $9.6 \times 10^4 / f^{1.05}$ minute period (see note 1).

4 Spatial averaging of the time averaged reference levels of Table 7 should be performed according to the requirements of clause 2.7.

5 For occupational exposure, E and H reference levels of Table 7 are given in plane wave ratio at frequencies greater than or equal to 1 MHz. However, for many occupational exposure situations, equivalent plane wave power flux density is not an appropriate metric if 'far-field' exposure conditions do not apply. Survey meters may be calibrated in terms of W/m^2, but both E and H will generally require independent measurement and evaluation if measured in the near-field.

6 For general public exposure E and H reference levels of Table 7 are given in plane wave ratio at frequencies greater than or equal to 10 MHz. However, equivalent plane wave power flux density is not an appropriate metric if 'far-field' exposure conditions do not apply. Survey meters may be calibrated in terms of W/m^2, but both E and H will generally require independent measurement and evaluation if measured in the near-field.

Measurement Data:
Distance to human body: 20cm

WIFI 2.4G mode					
Frequency Range (MHz)	Maximum Output Power (dBm)	Maximum Output Power (mW)	E Field Strength (V/m)	Limit (V/m)	Result
2412~2462	23.75	237.137	16.789	61.4	Pass

------End------