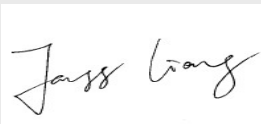
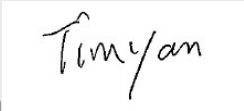


## TEST REPORT

### Radio Spectrum Matters (RF)

Identification of item tested	Lay on vibrator
Trademark	Moxie for 12000-01 Melt for 12000-02
Model and /or type reference	12000-01, 12000-02
FCC ID	ZUE1200I
Features	Charging input: 5 Vdc Li-ion Battery: 3.7 Vdc
Applicant's name / address	WOW Tech Canada Ltd. 1545 Carling Avenue, Suite 401, Ottawa Ontario, K1Z 8P9, Canada
Test method requested, standard	KDB 447498 D01V06 FCC Part 1.1310
Verdict Summary	COMPLIANCE
Tested by (name & signature)	Jazz Liang 
Approved by (name & signature)	Tim Yan 
Date of issue	2022-07-06
Report template No	TRF_EMC 2017-06- FCC_Exposure

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## GENERAL CONDITIONS

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1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.
5. This report will not be used for social proof function in China market.

## UNCERTAINTY

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For all measurements where guidance for the calculation of the instrumentation uncertainty of a measurement is specified in EN 55016-4-2 (CISPR 16-4-2), EN/IEC 61000-4 series or a product standard, the measurement instrumentation uncertainty has been calculated and applied in accordance with these standards.

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%.

## ENVIRONMENTAL CONDITIONS

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The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%
Atmospheric pressure	86 kPa – 106 kPa

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

## POSSIBLE TEST CASE VERDICTS

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Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not tested	N/T

## DEFINITION OF SYMBOLS USED IN THIS TEST REPORT

<input checked="" type="checkbox"/> Indicates that the listed condition, standard or equipment is applicable for this report/test/EUT.			
<input type="checkbox"/> Indicates that the listed condition, standard or equipment is not applicable for this report/test/EUT.			
Decimal separator used in this report	<input checked="" type="checkbox"/>	Comma (,)	<input type="checkbox"/> Point (.)

## ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	: Equipment Under Test
QP	: Quasi-Peak
CAV	: CISPR Average
AV	: Average
CDN	: Coupling Decoupling Network
SAC	: Semi-Anechoic Chamber
OATS	: Open Area Test Site
BW	: Bandwidth
AM	: Amplitude Modulation
PM	: Pulse Modulation
HCP	: Horizontal Coupling Plane
VCP	: Vertical Coupling Plane
$U_N$	: Nominal voltage
Tx	: Transmitter
Rx	: Receiver
N/A	: Not Applicable
N/M	: Not Measured

## DOCUMENT HISTORY

Report nr.	Date	Description

## REMARKS AND COMMENTS

The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).

# 1 GENERAL INFORMATION

## 1.1 General Description of the Item(s)

Description of the item .....	Lay on vibrator
Trademark.....	Moxie for 12000-01 Melt for 12000-02
Model / Type number.....	12000-01, 12000-02
FCC ID .....	ZUE1200I
Hardware .....	12000-01, 12000-02
Software .....	510-00074, 510-00073
Firmware .....	N/A
Ratings.....	Charging input: 5 Vdc Li-ion Battery: 3.7 Vdc
Manufacturer.....	WOW Tech Europe GmbH. Hermann-Blankenstein-Str. 5, 10249 Berlin, Germany.
Factory .....	Seaco Technology(Dongguan)Co., Ltd. No.6, the 3rd Jin He Industrial Zone, Zhang Mutou Town Dongguan City Guangdong China

the characteristics of wireless module for BLE mode:

Operating frequency range(s).....	2402 MHz – 2480 MHz
Type of Modulation .....	GFSK
Maximum RF output power(conducted) .....	-1.6 dBm
EIRP(equivalent isotropically radiated power) .....	3.4 dBm
Antenna type.....	Integral Antenna
Operating Temperature Range.....	-40 – 85 °C
BT version.....	Bluetooth 5.1BLE
Antenna gain.....	5 dBi
Adaptive/ non-adaptive equipment	Adaptive

Rated power supply .....	Voltage and Frequency		Reference poles				
			L1	L2	L3	N	PE
	<input type="checkbox"/>	AC:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	DC: 5V					
	<input checked="" type="checkbox"/>	Battery: 3.7V					
Mounting position.....	<input type="checkbox"/>	Table top equipment					
	<input type="checkbox"/>	Wall/Ceiling mounted equipment					
	<input type="checkbox"/>	Floor standing equipment					
	<input checked="" type="checkbox"/>	Hand-held equipment					
	<input type="checkbox"/>	Other:					

Intended use of the Equipment Under Test (EUT)
The apparatus as supplied for the test is Lay on vibrator intended for residential use and the product contains electronic control circuitry, it is powered by battery.
Copy of marking plate:
No provide.

## 1.2 Test data

Test Location	DEKRA Testing and Certification (Shanghai) Ltd. Guangzhou Branch Block 5, No.3, Qiyun Road, Huangpu District, Guangzhou, Guangdong, China FCC Designation Number: CN1324;
Date of receipt of test item	2022-05-23
Date (s) of performance of tests	2022-05-23 to 2022-06-28
Test sample	Normal sample: 12000-01(Lab no.4390024-1), 12000-02(Lab no.4390024-4) RF conducted sample: 12000-01(Lab no.4390024-2), 12000-02(Lab no.4390024-5) RF radiated sample: 12000-01(Lab no.4390024-3), 12000-02(Lab no.4390024-6)

## 1.3 The environment(s) in which the EUT is intended to be used

The equipment under test (EUT) is intended to be used in the following environment(s):

<input checked="" type="checkbox"/>	Residential (domestic) environment.
<input checked="" type="checkbox"/>	Commercial and light-industrial environment.
<input type="checkbox"/>	Industrial environment.

## 2 DESCRIPTION OF TEST SETUP

### 2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

Operating mode	Operating mode description	Used for methos	
		Conducted	Radiated
1	Transmitting at 1 Mbit/s,	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Transmitting at 2 Mbit/s,	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3		<input type="checkbox"/>	<input type="checkbox"/>
Supplemental information: ---			

### 2.2 Support / Auxiliary equipment / unit / software for the EUT

The EUT has been tested with the following auxiliary equipment / unit / software:

Auxiliary equipment / unit / software	Type / Version	Manufacturer	Supplied by
Laptop	Latitude 5488	DELL	DEKRA
Adaptor	-	-	DEKRA
EMI_TEST(soft ware)	V2.0	-	Client
TELINK BDT(Burning and Debugging tool)	-	-	Client
Supplemental information: ---			

### 2.3 Test Configuration / Block diagram used for tests

Refer to Annex 3.

### 2.4 Measurement procedure

The EUT was controlled by a serial PCB(TELINK BDT) which provided by manufacturer which connected to laptop through the com port. After connected, run the software “EMI\_TESTV2.0” supplied by manufacturer to control the EUT work in required test mode as below table.

RF Mode	Set_channel(MHz)	Set_power in software
BLE_1M	2402	3.5
	2440	3.5
	2480	3.5
BLE_2M	2402	3.5
	2440	3.5
	2480	3.5

### 3 RF EXPOSURE EVALUATION

#### 3.1 Limits

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	Average Time (Minutes)
(A) Limits for Occupational/ Control Exposures				
300-1500	--	--	F/300	6
1500-100,000	--	--	5	6
(B) Limits for General Population/ Uncontrolled Exposures				
300-1500	--	--	F/1500	6
1500-100,000	--	--	1	30

F= Frequency in MHz

Friis Formula

Friis transmission formula:  $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$

Where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

$G$  = gain of antenna in linear scale

$\pi$  = 3.1416

$R$  = distance between observation point and center of the radiator in cm

$P_d$  is the limit of MPE, 1 mW/cm<sup>2</sup>. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance  $r$  where the MPE limit is reached.



### 3.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

The temperature and related humidity: 18°C and 78% RH.

### 3.3 Test Result

#### Power Density:

Test Mode	Frequency Band (MHz)	Conducted RF Power Output (dBm)	Antenna Gain (dBi)	Maximum EIRP (dBm)	Maximum Power (mW)	Power Density at R = 0,5 cm (mW/cm <sup>2</sup> )	Limit of Power Density S(mW/cm <sup>2</sup> )
BLE	2400 ~ 2483.5	-1.6	5	3,4	2,19	0,69	1

--- END ---