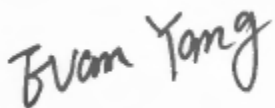


FCC RF EXPOSURE REPORT

FCC ID: 2AH4HBTM250

Project No. : 2107C190
Equipment : Bluetooth sensor
Brand Name : Mobilogix
Model Name : BTM250HT, BTM250T, BTM250B, BTM250E
Applicant : Mobilogix, Inc.
Address : 5500 Trabuco Rd Suite 150 Irvine, CA, USA
Manufacturer : Mobilogix, Inc.
Address : 5500 Trabuco Rd Suite 150 Irvine, CA, USA
Factory : Suga Electronics (Dongguan) Co., Ltd.
Address : No.8 Fulong Road, Qingxi Town, Dongguan City
Date of Receipt : Jul. 28, 2021
Date of Test : Jul. 30, 2021 ~ Aug. 05, 2021
Issued Date : Aug. 11, 2021
Report Version : R00
Test Sample : Engineering Sample No.: DG2021072931
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091, OET Bulletin 65 Supplement C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.



Prepared by : Evan Yang



Approved by : Ethan Ma



TESTING CERT #5123.02

Add: No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of China

Tel: +86-769-8318-3000

Web: www.newbtl.com

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	<p>Compared with the previous report (RSZ200407003-00) (FCC ID: 2AH4HBTM250),</p> <p>(1) Upgraded model BTM250B and BTM250T to a new PCB. The new PCB mainly updated the temperature sensor and the silkscreen had also been modified and adjusted the matching circuit at the antenna end .</p> <p>(2) Added a new model BTM250HT which has the same new PCB with model BTM250B and BTM250T.</p> <p>This report tests the differences of changes and records the worst case in the report.</p>	Aug. 11, 2021

1. TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of China.

BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

2. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	N/A	AN3216	Chip	N/A	0.5

Note:

The antenna gain is provided by the manufacturer.

3. TEST RESULTS

Tune up tolerance(dBm)
BT
0

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
0.5	1.1220	0	1.0000	0.00022	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance.

End of Test Report