# RF Exposure Evaluation Report

| | | |
|---|---|---|
| **Product** | : | Razor XV 3.0 |
| **Trade mark** | : | Walker's |
| **Model/Type reference** | : | GWP-BTN-BT, GWP-BTN-BT-XXX (Where X=0 to 9 or A to Z) |
| **Serial Number** | : | N/A |
| **Report Number** | : | EED32L00342602 |
| **FCC ID** | : | MV3-BTN |
| **Date of Issue** | : | Mar. 02, 2020 |
| **Test Standards** | : | 47 CFR Part 1.1307<br>47 CFR Part 2.1093<br>KDB447498D01 General RF Exposure Guidance v06 |
| **Test result** | : | PASS |

Prepared for:

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Prepared by:

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Date: Mar. 02, 2020

Check No.:3096357367

# 2 Version

| Version No. | Date | Description |
|---|---|---|
| 00 | Mar. 02, 2020 | Original |
| | | |
| | | |

# 3 Contents

# 4 General Information

## 4.1 Client Information

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|---|---|
| Applicant: | Country Mate Technology Ltd. |
| Address of Applicant: | 5/F, Blk E, Hing Yip Center,<br>31 Hing Yip Street, Kwun Tong, Kln, Hong Kong |
| Manufacturer: | Country Mate Technology Ltd. |
| Address of Manufacturer: | 5/F, Blk E, Hing Yip Center,<br>31 Hing Yip Street, Kwun Tong, Kln, Hong Kong |
| Factory: | Concord Electronic ( Huizhou) Ltd. |
| Address of Factory: | 21, Ping An Rd，Shuikou Street, Hui Cheng District , Huizhou City,Guangdong Province, |

## 4.2 General Description of EUT

| | |
|---|---|
| Product Name: | Razor XV 3.0 |
| Model No.(EUT): | GWP-BTN-BT, GWP-BTN-BT-XXX (Where X=0 to 9 or A to Z) |
| Test Model No.: | GWP-BTN-BT |
| Trade Mark: | Walker's |
| EUT Supports Radios application: | BT 5.0 Singlel mode, 2402MHz to 2480MHz |

## 4.3 Product Specification subjective to this standard

| | | |
|---|---|---|
| Frequency Range: | 2402MHz~2480MHz | |
| Modulation Type: | GFSK, π/4DQPSK, 8DPSK | |
| Test Power Grade: | DH5:0/0/0; 2DH5:-6/-6/-6; 3DH5:-4/-4/-4 | |
| Test Software of EUT: | Bluetest3 | |
| Antenna Type: | Chip Antenna | |
| Antenna Gain: | 0.8dbi | |
| Power Supply: | Battery | Li-ion Battery: DC 3.7V 120mAh, Charge: DC 5V |
| Max Conducted Peak Output Power: | BT5.0: 5.308 dBm | |
| | The Max Conducted Peak Output Power data refer to the report EED32L00342601 | |
| Sample Received Date: | Jun. 26, 2019 | |
| Sample tested Date: | Jun. 26, 2019 to Aug. 16, 2019 | |

The tested sample(s) and the sample information are provided by the client.

Model No.:GWP-BTN-BT, GWP-BTN-BT-XXX (Where X=0 to 9 or A to Z)

Only the model GWP-BTN-BT,was tested, Their electrical circuit design, layout, components used and internal wiring are identical, Only the Color or Package is different.

## 4.4 Test Location

All tests were performed at:
Centre Testing International Group Co., Ltd
Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China
Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385
No tests were sub-contracted.
FCC Designation No.: CN1164

## 4.5 Deviation from Standards

None.

## 4.6 Abnormalities from Standard Conditions

None.

## 4.7 Other Information Requested by the Customer

None.

# 5 SAR Evaluation

## 5.1 RF Exposure Compliance Requirement

### 5.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

### 5.1.2 Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz
Power and distance are rounded to the nearest mW and mm before calculation[17]
The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

### 5.1.3 EUT RF Exposure

The tune-up power is 4 dBm +/- 2dB, therefore the highest tune-up power is 5.308 dBm (3.39 mW) @ 2480 MHz

When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

So,

( 3.39mW / 5mm ) * ( 2.480GHz ^0.5 )= 1.1

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] * [ √ f(GHz)] = 1.1< 3.0

Therefore, standalone SAR measurements are not required for both head and body

# PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32L00167701 for EUT external and internal photos.

*** End of Report ***