RF Exposure Evaluation Report

Product	:	Silencer BT 2.0
Trade mark	:	Walker's
Model/Type reference	:	GWP-SLCR2-BT, GWP-SLCR2-BT-XXX, GWP-SF-SLCR2-BT, GWP-SF-SLCR2-BT-XXX (Where X=0 to 9 or A to Z for different color or package)
Serial Number	:	N/A
Report Number	:	EED32M00142403
FCC ID	:	MV3-GWPSLCR2BT
Date of Issue	:	Jul. 08, 2020
Test Standards	:	47 CFR Part 1.1307 47 CFR Part 2.1093 KDB447498D01 General RF Exposure Guidance v06
Test result	:	PASS

Prepared for:

Country Mate Technology Ltd.
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Prepared by:

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Date: Jul. 08, 2020

Check No.:3096303496

2 Version

Version No.	Date	Description
00	Jul. 08, 2020	Original

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4 General Information

4.1 Client Information

Applicant:	Country Mate Technology Ltd.
Address of Applicant:	5/F,Blk E, Hing Yip Center, 31 Hing Yip Street, Kwun Tong, Kln, Hong Kong
Manufacturer:	Country Mate Technology Ltd.
Address of Manufacturer:	5/F,Blk E, Hing Yip Center, 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, China

4.2 General Description of EUT

Product Name:	Silencer BT 2.0
Model No.(EUT):	GWP-SLCR2-BT, GWP-SLCR2-BT-XXX, GWP-SF-SLCR2-BT, GWP-SF-SLCR2-BT-XXX (Where X=0 to 9 or A to Z for different color or package)
Test Model No.:	GWP-SLCR2-BT
Trade mark:	Walker's
EUT Supports Radios application:	BT 5.0 Dual 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:	Reference report EED32M00142401,EED32M00142402
Test Software of EUT:	Bluetest3
Antenna Type:	FPC Antenna
Antenna Gain:	0.8dBi
Power Supply:	DC 3.8V
Max Conducted Peak Output Power:	Left ear:3.512dBm Right ear:4.704dBm
	The Max Conducted Peak Output Power data refer to the report EED32M00142401,EED32M00142402
Sample Received Date:	May 25, 2020
Sample tested Date:	May 25, 2020 to Jun. 29, 2020

The tested sample(s) and the sample information are provided by the client.
Model No.: GWP-SLCR2-BT, GWP-SLCR2-BT-XXX, GWP-SF-SLCR2-BT, GWP-SF-SLCR2-BT-XXX (Where X=0 to 9 or A to Z for different color or package)
Only the model GWP-SLCR2-BT was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference being color or package.
The left and right headphone are same electrical circuit design and color.
Difference: structure mirror, PCB Layout nearly mirror, appearance mirror.

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 4.5 dBm +/- 0.5dB, therefore the highest tune-up power is

Left ear:

4.0 dBm	(2.51 mW)	@ 2480 MHz

Right ear:

5.0 dBm	(3.16 mW)	@ 2402 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,

Left ear:

(	2.51mW	/	5mm	) * (	2.480GHz	^0.5	)=	0.8

Right ear:

(	3.16mW	/	5mm	) * (	2.402GHz	^0.5	)=	1.0

Left ear:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] * [√f(GHz)] = 0.8 < 3.0

Right ear:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] * [√f(GHz)] = 1.0 < 3.0

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

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32M00142401 for EUT external and internal photos.

*** End of Report ***