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RF Exposure Evaluation Report

Product Trade mark Model/Type reference Serial Number Report Number Bone Conductor Hearing Enhancer
Walker's
GWP-BCON, GWP-SF-BCON, GWP-BCON-XXX, GWP-SF-BCON-XXX(Where X=0 to 9 or A to Z)
N/A
EED32M00099402
MV3-BCON

: May 28, 2020

Test Standards

Date of Issue

May 28, 2020
47 CFR Part 1.1307
47 CFR Part 2.1093
KDB447498D01 General RF Exposure Guidance v06
PASS

Test result

FCC

Prepared for: Country Mate Technology Ltd. 5/F, Blk E, Hing Yip Center, 31 Hing Yip Street, Kwun Tong, Kln, Hong Kong

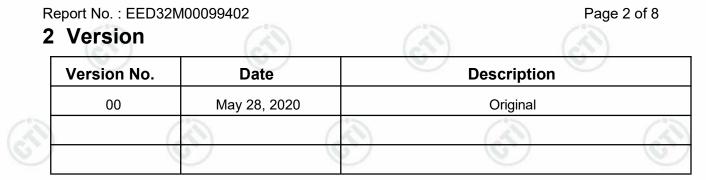
Prepared by: Centre Testing International Group Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China TEL: +86-755-3368 3668 FAX: +86-755-3368 3385

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Report Seal				

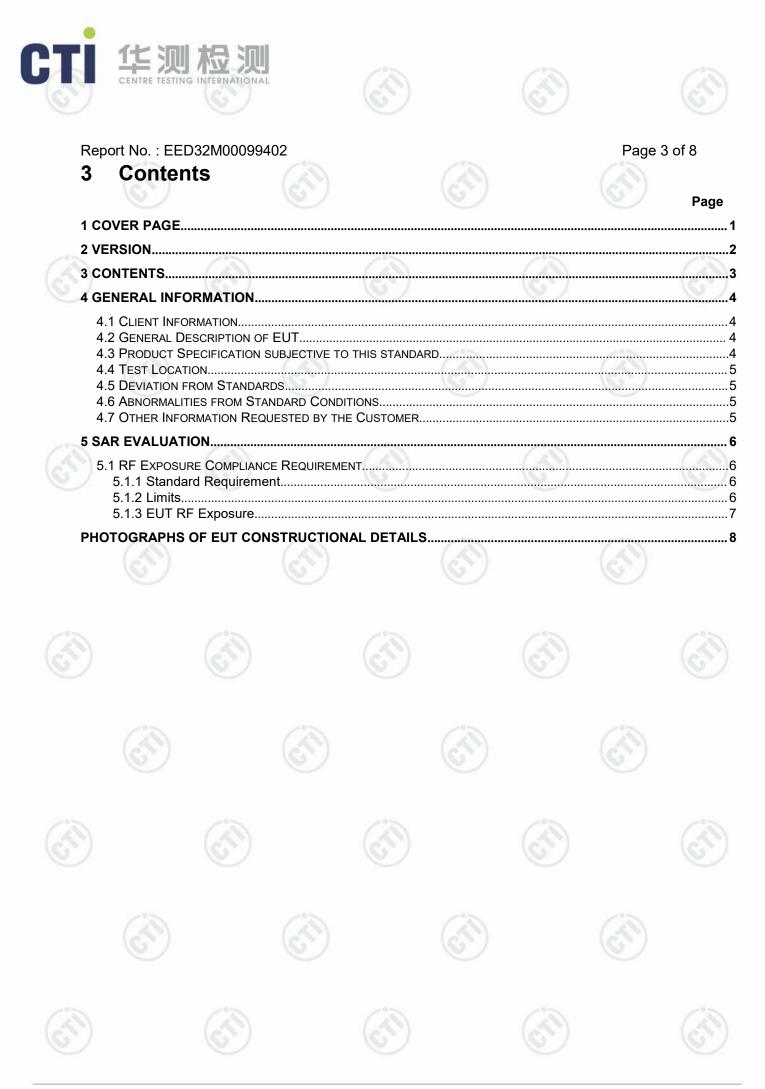












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Report No. : EED32M00099402

General Information 4

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:	Bone Conductor Hearing Enhancer		
Model No.(EUT):	GWP-BCON, GWP-SF-BCON, GWP-BCON-XXX, GWP-SF-BCON-XXX (Where X=0 to 9 or A to Z)		
Test Model No.:	GWP-BCON		
Trade Mark:	Walker's		
EUT Supports Radios application:	BT 5.0 Single mode, 2402MHz to 2480MHz		

4.3 Product Specification subjective to this standard

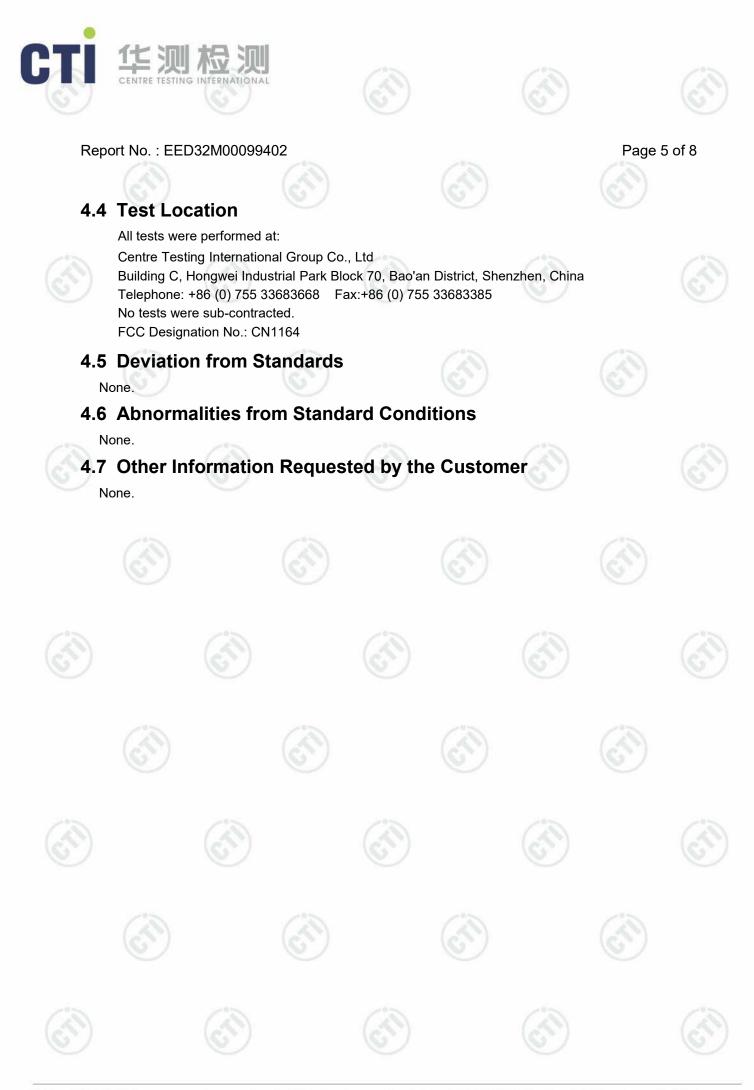
Frequency Range:	2402MHz~2480MHz				
Modulation Type:	GFSK, π/4DQPSK, 8DPSK				
Test Power Grade:	Reference report EED32M00099401				
Test Software of EUT:	Bluetest3	(C)	C		
Antenna Type:	Chip Antenna				
Antenna Gain:	0.8 dBi				
Power Supply:	Lithium Polymer Battery	Model:SP851425 3.8V 300mAh 1.	14Wh		
May Canduated Deals Output	BT: 8.389 dBm				
Max Conducted Peak Output Power:	The Max Conducted Peak EED32M00099401	Output Power data refer to the repor	t		
Sample Received Date:	Apr. 24, 2020	(i)	6		
Sample tested Date:	Apr. 24, 2020 to May 18, 2	2020	(3)		

The tested sample(s) and the sample information are provided by the client. Model No.: GWP-BCON, GWP-SF-BCON, GWP-BCON-XXX, GWP-SF-BCON-XXX(Where X=0 to 9 or A to Z)

Only the model GWP-BCON was tested, since their electrical circuit design, layout, components used and internal wiring are identical. AOnly the Color or Package is different.



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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

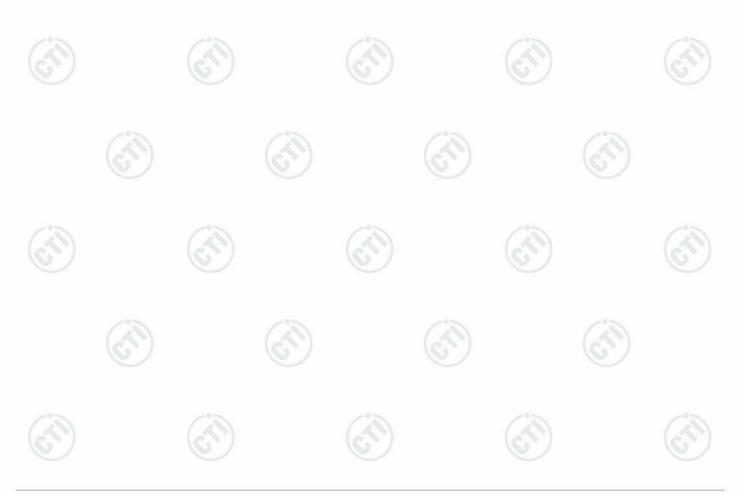
The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f}(GHz)] \le 3.0$ 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 calculation¹⁷ The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is \leq 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





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5.1.3 EUT RF Exposure

The tune-up power is 6.5 dBm +/- 2dB, therefore the highest tune-up power is 8.500 dBm (7.08 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,

(7.08mW / 5mm) * (2.480GHz ^0.5)= 2.2

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] * $[\sqrt{f(GHz)}] = 2.2 < 3.0$

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





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PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32M00099401 for EUT external and internal photos.

*** End of Report *** The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.

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