

Report No.: EED32J00029403 Page 1 of 8

RF Exposure Evaluation Report

Product : Bluetooth Headphones

Trade mark : Joytrain, boAt

Model/Type reference : JOY-1407, Rockerz 430

Serial Number : N/A

 Report Number
 : EED32J00029403

 FCC ID
 : 2ALIM-JOY-1407

Date of Issue : Mar. 29, 2017

Test Standards : 47 CFR Part 1.1307 (2015)

47 CFR Part 2.1093 (2015)

KDB447498D01 v06

Test result : PASS

Prepared for:

Viewpoint Electronic Technology Co., Ltd.
No.1, Fengyuan Road, Dakan Management Zone, Huangjiang Town,
Dongguan, Guangdong, China.

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

Tested By:

Tom - Chen
Tom chen (Test Project)

Compiled by:

Report Seal

Ware xin (Project Engineer)

Sheek luo

Vare Xm

Reviewed by:

Kevin yang (Reviewer)

Sheek Luo (Lab supervisor)

Date:

Mar. 29, 2017

Check No.: 2496526077

Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com









Page 2 of 8

Report No.: EED32J00029403

2 Version

Version No.	Date	Description	
00	Mar. 29, 2017	Original	
/			(3)
			(0.)

















































































Page 3 of 8

Report No.: EED32J00029403

3 Contents

			Page
1 COVER PAGE			1
2 VERSION			2
3 CONTENTS		(~~~)	3
4 GENERAL INFORMATION			4
4.1 CLIENT INFORMATION			4
4.2 GENERAL DESCRIPTION OF EUT			4
4.3 PRODUCT SPECIFICATION SUBJECTIVE 1			
4.4 TEST LOCATION4.5 TEST FACILITY			
4.6 DEVIATION FROM STANDARDS			
4.7 ABNORMALITIES FROM STANDARD CON			
4.8 OTHER INFORMATION REQUESTED BY T			
5 SAR EVALUATION			7
5.1 RF EXPOSURE COMPLIANCE REQUIREM	MENT		7
5.1.1 Standard Requirement			7
5.1.2 Limits			7
5.1.3 EUT RF Exposure			
PHOTOGRAPHS OF EUT CONSTRUCTIO	NAL DETAILS		8

















































Report No.: EED32J00029403 Page 4 of 8

4 General Information

4.1 Client Information

Applicant:	Viewpoint Electronic Technology Co., Ltd.	
Address of Applicant:	No.1, Fengyuan Road, Dakan Management Zone, Huangjiang Town, Dongguan, Guangdong, China.	
Manufacturer:	Viewpoint Electronic Technology Co., Ltd.	
Address of Manufacturer:	No.1, Fengyuan Road, Dakan Management Zone, Huangjiang Town, Dongguan, Guangdong, China.	
Factory:	Viewpoint Electronic Technology Co., Ltd.	
Address of Factory:	No.1, Fengyuan Road, Dakan Management Zone, Huangjiang Town, Dongguan, Guangdong, China.	

4.2 General Description of EUT

Product Name:	Bluetooth Headphones	(3)
Model No.:	JOY-1407, Rockerz 430	(3)
Test Model No.:	JOY-1407	
Trade mark:	Joytrain, boAt	
EUT Supports Radios application:	BT4.1 Dual mode	

4.3 Product Specification subjective to this standard

Operation Frequency:	2402MHz~2480MHz		
Modulation Type:	GFSK, π/4DQPSK, 8DPSK		_07
Test Power Grade:	Class 2(manufacturer declare)		(68)
Test Software of EUT:	CSR Blue Test3 2.5.8 (manufacturer declare)		6
Antenna Type:	PIFA Antenna		
Antenna Gain:	0dBi	1000	
Power Supply:	3.7V/300mAh(Lithium Battery)	(49)	
Max Conducted Output Power:	9.127dBm	0	
Sample Received Date:	Mar. 03, 2017		
Sample tested Date:	Mar. 03, 2017 to Mar. 29, 2017		_°2
7 26 36 3			1 40

The tested samples and the sample information are provided by the client.

Model No.: JOY-1407, Rockerz 430

Only the model JOY-1407 was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference being outer decoration.

4.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd.

Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China 518101

Telephone: +86 (0) 755 3368 3668 Fax:+86 (0) 755 3368 3385

No tests were sub-contracted.

Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com



Report No.: EED32J00029403 Page 5 of 8

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L1910

Centre Testing International Group Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories..

A2LA-Lab Cert. No. 3061.01

Centre Testing International Group Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Registration No.: 886427

Centre Testing International Group Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 886427.

IC-Registration No.: 7408A-2

The 3m Alternate Test Site of Centre Testing International Group Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408A-2.

IC-Registration No.: 7408B-1

The 10m Alternate Test Site of Centre Testing International Group Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408B-1.

NEMKO-Aut. No.: ELA503

Centre Testing International Group Co., Ltd. has been assessed the quality assurance system, the testing facilities, qualifications and testing practices of the relevant parts of the organization. The quality assurance system of the Laboratory has been validated against ISO/IEC 17025 or equivalent. The laboratory also fulfils the conditions described in Nemko Document NLA-10.

VCCI

The Radiation 3 &10 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-4096.

Main Ports Conducted Interference Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-4563.

Telecommunication Ports Conducted Disturbance Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: T-2146.

Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com









Report No.: EED32J00029403

Page 6 of 8

The Radiation 3 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-758

4.6 Deviation from Standards

None.

4.7 Abnormalities from Standard Conditions

None.



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)] $\sqrt{f(GHz)}$ ≤ 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 \leq 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is \leq 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

5.1.3 EUT RF Exposure

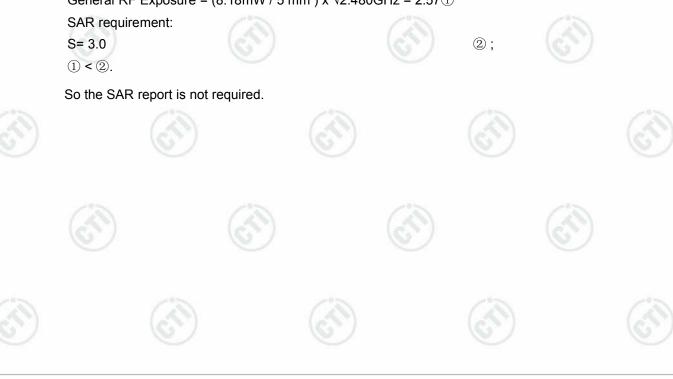
The Max Conducted Output Power is 9.127dBm in highest channel(2.480GHz);

9.127dBm logarithmic terms convert to numeric result is nearly 8.18mW

According to the formula:

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

General RF Exposure = (8.18mW / 5 mm) x $\sqrt{2.480}$ GHz = 2.57①











Report No.: EED32J00029403 Page 8 of 8

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32J00029401 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





















