

RF EXPOSURE REPORT

FOR

Applicant	:	HUARUI INTERNATIONAL INDUSTRIAL CO. LIMITED
Address	:	FLAT/RM A4 25/F, CHEUK NANG PLAZA, 250 HENNESSY ROAD, WANCHAI, HK
Equipment under Test	:	Speaker
Model No.	:	SBX-1535, SM-211, SM-212, SM-213, XF-88, XF-89, E-B1, E-B2, E-B3, SBX-1527, SBX-1528, SBX-1535, SBX-1536, SBX-1537, SBX-1538, SBX-1539, SBX-1540, SBX-1541, SBX-1542, SBX-1543, SBX-1544, SBX-1545, SBX-1546, SBX-1547, SBX-1548, SBX-1549, SBX-1551, KPG-115B, KPG-112B, KPG-109B, 112AMM150_BT, 1115AMM150_BT, 1112AMH200_BT, 1115AMH200_BT, 1912DPL40_BT, 1915DPL60_BT, PBS-7006, PBS-2715MP3KBK, 11579010, PBS-2715MP3, PBS-2715MP3BL, PBS-2715MP3RD, 11579014
Trade Mark	:	/
FCC ID	:	2AHY9SBX-1535
Manufacturer	:	HUARUI INTERNATIONAL INDUSTRIAL CO. LIMITED
Address	:	FLAT/RM A4 25/F, CHEUK NANG PLAZA, 250 HENNESSY ROAD, WANCHAI, HK

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

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REPORT

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TEST REPORT DECLARE

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Standard Used: KDB447498 D01 General RF Exposure Guidance v06

We Declare:

The equipment described above is assessed by Dongguan Dongdian Testing Service Co., Ltd and in the configuration assessed the equipment complied with the standards specified above. The assessed results are contained in this report and Dongguan Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these assess.

After evaluation, our opinion is that the equipment In Accordance with above standard.

Report No:	DDT-RQ17101708-1E2		
Date of Test:	Oct.25, 2017 ~ Nov.14, 2017	Date of Report:	Nov. 14, 2017

Prepared By:

Sam Li

Sam Li/Engineer

Approved By:



Kevin Fung/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan Dongdian Testing Service Co., Ltd.

1. General information

1.1. Description of Equipment

EUT* Name	: Speaker
Model No.	: SBX-1535, SM-211, SM-212, SM-213, XF-88, XF-89, E-B1, E-B2, E-B3, SBX-1527, SBX-1528, SBX-1535, SBX-1536, SBX-1537, SBX-1538, SBX-1539, SBX-1540, SBX-1541, SBX-1542, SBX-1543, SBX-1544, SBX-1545, SBX-1546, SBX-1547, SBX-1548, SBX-1549, SBX-1551, KPG-115B, KPG-112B, KPG-109B, 112AMM150_BT, 1115AMM150_BT, 1112AMH200_BT, 1115AMH200_BT, 1912DPL40_BT, 1915DPL60_BT, PBS-7006, PBS-2715MP3KBK, 11579010, PBS-2715MP3, PBS-2715MP3BL, PBS-2715MP3RD, 11579014
Difference of model number	: All models are identical, except the model number and appearance, all tests are performed on model SBX-1535.
EUT function description	: Please reference user manual of this device
Power supply	: AC 120V 60Hz
Radio Specification	: Bluetooth V4.2 (BDR/EDR)
Operation frequency	: 2402MHz -2480MHz
Modulation	: GFSK, $\pi/4$ DQPSK
Data rate	: 1Mbps, 2Mbps
Antenna Type	: Integrated chip antenna, maximum PK gain: 2.05dBi
Sample Type	: Series production

1.2. Assess laboratory

Dongguan Dongdian Testing Service Co., Ltd

Add: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong

Province, China, 523808 Tel: +86-0769-89201699 E-mail: ddt@dgddt.com <http://www.dgddt.com>

2. RF Exposure evaluation for FCC

According to 447498 D01 General RF Exposure Guidance v05

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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

Worse case is as below: [2402MHz, -0.42dBm (0.91mW) output power]

$(0.91/5) \cdot [\sqrt{2.402(\text{GHz})}] = 0.282 < 3.0$ for 1-g SAR

Then SAR evaluation is not required

END OF REPORT