RF EXPOSURE REPORT

FOR

Applicant	:	MODERN ELECTRONICS FACTORY LIMITED
Address	:	FLAT/RM C, BLK 4, 10/F., KWUN TONG INDUSTRIAL CENTRE, 436-446 KWUN TONG ROAD, KWUN TONG, HONG KONG
Equipment under Test	:	PORTABLE BOOMBOX WITH BLUETOOTH, CD PLAYER, USB AND AM/FM RADIO
Model No.	:	MET1401USB, SB2149, SB2149B, SB2149S, SB2149XXXXX(where XXXXX denote any printable characters in the ASCII Standard Character Table to represent variances in cosmetics or buyers), MD1401USB
Trade Mark	:	MET, Studebaker, Modern
FCC ID	:	2ANH76961401USB
Manufacturer	:	MODERN ELECTRONICS FACTORY LIMITED
Address	:	FLAT/RM C, BLK 4, 10/F., KWUN TONG INDUSTRIAL CENTRE, 436-446 KWUN TONG ROAD, KWUN TONG, HONG KONG

Issued By: 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

REPORT

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TEST REPORT DECLARE

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Address	:	FLAT/RM C, BLK 4, 10/F., KWUN TONG INDUSTRIAL CENTRE, 436-446 KWUN TONG ROAD, KWUN TONG, HONG KONG

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-R18051701-1E3		
Date of Receipt:	Jun. 19, 2018	**Date of Test:**	Jun. 19, 2018 ~ Jul. 02, 2018

Prepared By:

Ella Gong

Ella Gong/Engineer

Approved By:

DONGGUAN DONGDIAN TESTING SERVICE CO., LTD. DONG DIAN TESTING DDT APPROVED

Damon Hu/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.

Revision history

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Jul. 02, 2018	

1. General information

1.1. Description of Equipment

EUT* Name	:	PORTABLE BOOMBOX WITH BLUETOOTH, CD PLAYER, USB AND AM/FM RADIO
Model Number	:	MET1401USB, SB2149, SB2149B, SB2149S, SB2149XXXXX(where XXXXX denote any printable characters in the ASCII Standard Character Table to represent variances in cosmetics or buyers), MD1401USB
Difference of model number	:	All models are identical, only the color and brand are different; therefore, the test performed on the model MET1401USB.
EUT function description	:	Please reference user manual of this device
Power supply	:	DC 12V from external AC Adapter
Radio Specification	:	Bluetooth V4.2
Operation frequency	:	2402MHz -2480MHz
Modulation	:	GFSK, π/4-DQPSK
Data rate	:	1Mbps, 2Mbps
Antenna Type	:	Integral PCB antenna, maximum PK gain: -0.68dBi
Sample Type	:	Series production

1.2. Assess laboratory

Dongguan Dongdian Testing Service Co., Ltd

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2. RF Exposure evaluation for FCC

According to 447498 D01 General RF Exposure Guidance v06

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

The result is rounded to one decimal place for comparison

Worse case is as below: [2402MHz, -6.94dBm (0.2mW) output power]

(0.2/5) ·[√2.402(GHz)] = 0.062<3.0 for 1-g SAR

Then SAR evaluation is not required

END OF REPORT