



■ **Report No.:** DDT-R19102822-1E3

■ **Issued Date:** Nov. 02, 2020

RF EXPOSURE REPORT

FOR

Applicant	:	Huizhou LEMEDIA Technology Co., Ltd.
Address	:	No. 120 Shuidian Road, Yuanzhou Town, Boluo country, HuiZhou City, Guangdong Province.
Equipment under Test	:	DAB/DAB+FM radio with CD player and Bluetooth
Model No.	:	MSY1, MSY1P
Trade Mark	:	LEMEGA, LEMEDIA
FCC ID	:	2AVFX-MSY1P
Manufacturer	:	Dongguan City Wangniudun Yinghui Electronics Factory
Address	:	Chijiaoluduan Zhenzhong Road, Wangniudun Town, Dongguan City, China

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

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

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Test Report Declare

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Address	:	Chijiaoluduan Zhenzhong Road, Wangniudun Town, Dongguan City, China

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-R19102822-1E3		
Date of Receipt:	Nov. 12, 2019	Date of Test:	Nov. 12, 2019 ~ Nov. 02, 2020

Prepared By:

Ella Gong

Ella Gong /Engineer

Approved By:



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	Nov. 02, 2020	

1. General information

1.1. Description of Equipment

EUT* Name	: DAB/DAB+FM radio with CD player and Bluetooth
Model Number	: MSY1, MSY1P
Model Differences	: All models are identical in circuit, electrical and mechanical, except for model. Therefore the test was performed on the MSY1
EUT function description	: Please reference user manual of this device
Power Supply	: AC 100-240V, 50/60Hz
Radio Specification	: Bluetooth V5.0
Operation Frequency	: 2402 MHz - 2480 MHz
Modulation	: GFSK, $\pi/4$ -DQPSK, 8DPSK
Data Rate	: 1 Mbps, 2 Mbps, 3 Mbps
Antenna Type	: Integral PCB antenna, maximum PK gain: 0 dBi
Serial number	: 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.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, G-20118

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:

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

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

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

The result is rounded to one decimal place for comparison

Estimation Result

Worse case is as below: [2402MHz, 5.73 dBm, 3.74 mW) output power]

$(3.74/5) \cdot [\sqrt{2.402(\text{GHz})}] = 1.16 < 3.0$ for 1-g SAR

Then SAR evaluation is not required

End of Report