

RF Exposure Evaluation Report

Product Name : Bluetooth Speaker

Model No. : LWB0501A

FCC ID : 2ASEB-LWB0501A

Applicant : Laiwin International Trading Co., Ltd.

Address : No. 2, Aly. 8, Lin. 2, Sec. 1, Minsheng N. Rd., Guishan Dist.,
Taoyuan City 333, Taiwan

Date of Receipt : Aug. 27, 2019

Date of Declaration : Sep. 17, 2019

Report No. : 1980416R-SAUSP03V00

Report Version : V1.0

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

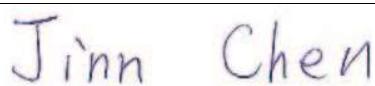
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Issued Date: Sep. 17, 2019
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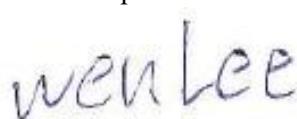
Product Name	Bluetooth Speaker
Applicant	Laiwin International Trading Co., Ltd.
Address	No. 2, Aly. 8, Lin. 2, Sec. 1, Minsheng N. Rd., Guishan Dist., Taoyuan City 333, Taiwan
Manufacturer	Yuan Deng Metals Industrial Co., Ltd.
Model No.	LWB0501A
FCC ID.	2ASEB-LWB0501A
Trade Name	
Applicable Standard	FCC 47 CFR 1.1307 KDB 447498 D01 v06
Test Result	Complied

Documented By



(Senior Adm. Specialist / Jinn Chen)

Tested By



(Senior Engineer / Wen Lee)

Approved By



(Director / Vincent Lin)

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Bluetooth Speaker
Trade Name	
Model No.	LWB0501A
FCC ID.	2ASEB-LWB0501A
Frequency Range	2402 – 2480MHz
Channel Number	79CH
Type of Modulation	FHSS: GFSK(1Mbps) / $\pi/4$ DQPSK(2Mbps) / 8DPSK(3Mbps)
Antenna Type	PCB Antenna
Antenna Gain	Refer to the table “Antenna List”

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	SHEN ZHEN SHI XIN ZHONG XIN TECHNOLOGY CO., LTD.	N/A	PCB Antenna	0dBi in 2.4 GHz

2. RF Exposure Evaluation

2.1. Standard Applicable

According to 1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

2.2. Measurement Result:

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1 (Power(mW)/separation (mm)*sqrt(f(GHz)) \leq 3.0), SAR is required as shown in the table below where calculated values are greater than 3.0:

Operation frequency = 2450MHz and antenna separation distance = 5mm,
Body SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Maximum Peak output power Peak Gain: 0 dBi			SAR Test Exclusion Threshold (mW)	Calculated Threshold Value (\leq 3.0 SAR is not required)
	Conducted (dBm)	EIRP (dBm)	EIRP (mW)		
2480	6.36	6.36	4.33	10	1.362

Note: The conducted output power is refer to report No.: 1980416R-RFUSP01V00-A from the DEKRA.