

# RF Exposure Evaluation Report

Product Name : Remote Control

Model No. : RC-A01

FCC ID : Q3V-RC-A01

Applicant : Nien Made Enterprise Co., Ltd.

Address : 23F.-1, No. 98, Shizheng N. 7th Rd., Xitun Dist.,  
Taichung City 407, Taiwan (R.O.C.)

Date of Receipt : 2022/05/26

Issued Date : 2022/10/31

Report No. : 2250821R-RFUSMPEV03-A

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.

The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

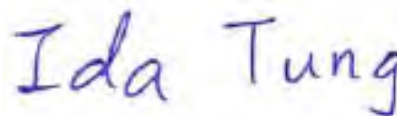
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Product Name	Remote Control	
Applicant	Nien Made Enterprise Co., Ltd.	
Address	23F.-1, No. 98, Shizheng N. 7th Rd., Xitun Dist., Taichung City 407, Taiwan (R.O.C.)	
Manufacturer	BRICKCOM CORPORATION	
Model No.	RC-A01	
FCC ID.	Q3V-RC-A01	
Applicable Standard	KDB 447498 D01 v06	<input type="checkbox"/> Minimum test separation distance $\geq$ 20 cm <input checked="" type="checkbox"/> For low power devices
Test Result	Complied	

Documented By :



( Project Specialist / Ida Tung )

Tested By :



( Senior Engineer / Alan Chen )

Approved By :



( Manager / Tim Sung )

## Revision History

Report No.	Version	Description	Issued Date
2250821R-RFUSMPEV03-A	V1.0	Initial issue of report.	2022/10/31

## 1. GENERAL INFORMATION

### 1.1. EUT Description

Product Name	Remote Control
Model No.	RC-A01
FCC ID	Q3V-RC-A01
Frequency Range	2415MHz-2459MHz
Channel Number	3CH
Type of Modulation	GFSK
Antenna Type	PCB Antenna
Antenna Gain	Refer to the table "Antenna List"

### 1.2. Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Brickcom	BKM-RC-ANT	PCB Antenna	2.94dBi for 2.4GHz

### 1.3. Test Facility

USA : FCC Registration Number: TW0033

Canada : CAB Identifier Number: TW3023 / Company Number: 26930

Site Description : Accredited by TAF  
Accredited Number: 3023

Test Laboratory : DEKRA Testing and Certification Co., Ltd

Address : No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan

Performed Location : No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C.

Phone number : +886-3-275-7255

Fax number : +886-3-327-8031

Email address : [info.tw@dekra.com](mailto:info.tw@dekra.com)

Website : <http://www.dekra.com.tw>

## 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 ( $\text{Power(mW)}/\text{separation (mm)} \cdot \sqrt{f(\text{GHz})} \leq 3.0$ ), SAR is required as shown in the table below where calculated values are greater than 3.0:

- 1.) Operation frequency = 2450MHz and antenna separation distance = 5mm,  
SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Maximum H-Field power		SAR Test Exclusion Threshold	Calculated Threshold Value ( $\leq 3.0$ SAR is not required)
	(dBuV/3m)	(mW)	(mW)	
2480	95.65	1.1018	10.00	0.34557

Note1: No RF Exposure evaluation required since maximum Transmitter Pout is below exclusion threshold.

Note2: The SAR/MPE measurement is not necessary.

Note3: The maximum output power is refer to report No.: 2250821R-RFUSOTHV06-A from the DEKRA.