

RF Exposure Evaluation Report

Product Name : Remote Control

Model No. : RC-S01

FCC ID : Q3V-RC-S01

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 : 2022/06/28

Report No. : 2250827R-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.

Issued Date: 2022/06/28

Report No.: 2250827R-RFUSMPEV03-A



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-S01	
FCC ID	Q3V-RC-S01	
Applicable Standard	KDB 447498 D01 v06	☐ Minimum test separation distance ≥ 20 cm ☒ For low power devices
Test Result	Complied	

Documented By :



(Senior Project Specialist / Genie Chang)

Tested By :



(Senior Engineer / Alan Chen)

Approved By :



(Manager / Tim Sung)

Revision History

Report No.	Version	Description	Issued Date
2250827R-RFUSMPEV03-A	V1.0	Initial issue of report.	2022/06/28

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Remote Control
Model No.	RC-S01
FCC ID	Q3V-RC-S01
Frequency Range	2415-2459MHz
Channel Number	3
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	3.12dBi 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
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

2.4G Wireless:

Frequency Band	Maximum EIRP power		SAR Test Exclusion Threshold	Calculated Threshold Value (≤ 3 SAR is not required)
	(dBuV/3m)	(mW)	(mW)	
2403 - 2459	92.61	0.55	10	0.172

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.: 2250827R-RFUSOTHV06-A from the DEKRA.