

EMF TEST REPORT

Test Report No. : OT-25N-RWD-032

Reception No. : 2509003114

Applicant : Remote Solution Co., Ltd.

Address : 92, Chongokri, Nammyun, Kimchon, Kyungbuk, 740-871, South Korea

Manufacturer : Remote Solution Co., Ltd.

Address : 326-14, Apo-daero, Nam-myeon, Gimcheon-si, Gyeongsangbuk-do, 39662, South Korea

Type of Equipment : Remote control Unit

FCC ID. : TX4-RE72

Model Name : RE72

Multiple Model Name : RE71

Serial number : N/A

Total page of Report : 6 pages (including this page)

Date of Incoming : September 23, 2025

Date of issue : November 18, 2025

SUMMARY

The equipment complies with the regulation; **FCC 47 CFR Part 1, 1.1310**

This test report only contains the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.

This test report is not associated with the accreditation granted by the Korean Laboratory Accreditation Scheme (KOLAS).



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Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-25N-RWD-032	November 18, 2025	Initial Release	All

1. VERIFICATION OF COMPLIANCE

Applicant : Remote Solution Co., Ltd.
Address : 92, Chongokri, Nammyun, Kimchon, Kyungbuk, 740-871, South Korea
Contact Person : Byung-Cheol Kim / Manager
Telephone No. : +82-54-420-4517
FCC ID : TX4-RE72
Model Name : RE72
Brand Name : -
Serial Number : N/A
Date : November 18, 2025

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM
E.U.T. DESCRIPTION	Remote control Unit
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	KDB 447498 D01 General RF Exposure Guidance v06
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
Modifications on the Equipment to Achieve Compliance	None

-. The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

2. GENERAL INFORMATION

2.1 Product Description

The Remote Solution Co., Ltd., Model RE72 (referred to as the EUT in this report) is a Remote control Unit. The product specification described herein was obtained from product data sheet or user's manual.

Device Type	Remote control Unit	
Temperature Range	0 °C ~ +50 °C	
Operating Frequency	2 402 MHz ~ 2 480 MHz	
MAX. RF OUTPUT POWER	1 Mbps	4.86 dBm
	2 Mbps	4.74 dBm
Number of Channel	40 Channels	
Modulation Type	GFSK	
Antenna Type	PCB Antenna	
Antenna Gain	2.42 dBi	
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	32 MHz	
Rated Supply Voltage	DC 3.30 V	

2.2 Alternative type(s)/model(s); also covered by this test report.

-. The following lists consist of the added model and their differences.

Model Name	Differences	Tested
RE72	Basic Model	☒
RE71	The model is identical to basic model except for the Key Backlight, Ambient Light Sensor, Accelerometer IC, DC-DC Convertor.	☐

Note: 1. Applicant consigns only basic model to test. Therefore this test report just guarantees the units, which have been tested.

2. The Applicant/manufacture is responsible for the compliance of all variants.

3. EUT MODIFICATIONS

-. None

4. RF EXPOSURE EVALUATION

4.1 RF Exposure Calculation

According to the FCC rule §4.3. General SAR test exclusion guidance, the limit for 1-g and 10-g SAR test exclusion thresholds are ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR by the device operating 100 MHz to 6 GHz and test separation distances ≤ 50 mm

4.2 EUT Description

Kind of EUT	RE72
Device Category	☒ Portable (< 20 cm separation) ☐ Mobile (> 20 cm separation) ☐ Others
Exposure Evaluation Applied	☐ MPE ☐ SAR ☒ N/A

4.3 Test Result

According to the procedure, KDB 447498 D01, the standalone SAR test exclusion threshold is

$$[(\text{Max. Power of channel, including tune-up tolerance, mW})/(\text{Min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}] < 3.0$$

$$= [(3.44/5)] \times \sqrt{2.402} = 1.066 < 3.0$$

4.3.1 Test data for Bluetooth LE

Frequency (MHz)	Target Power W/tolerance (dBm)	Max tune up power (dBm)	Max tune up power (mW)	RF exposure
2 402.00	4.86 ± 0.5	5.36	3.44	1.066