

TEST REPORT

Report No.: SHATBL2502003W02

Applicant : Guangdong Wukong Technology Co.,Ltd

Product Name : remote control

Brand Name : WK

Model Name : WK-TQ5000

FCC ID : 2BNOD-WK240801

Test Standard : 47 CFR Part 2.1091

Date of Test : 2025.02.05-2025.02.12

Report Prepared by :

(Chris Xu)

Guozheng

Report Approved by:

(Guozheng Li)

Authorized Signatory:

(Terry Yang)

"Shanghai ATBL Technology Co., Ltd." hereby certifies that according to actual testing conditions. The test results or observations are provided in accordance with measured value, without taking risks caused by uncertainty into account. Without explicit stipulation in special agreements, standards, or regulations, ATBL shall not assume any responsibility. The test results or observations are applicable only to tested sample. Client shall be responsible for representativeness of the sample and authenticity of the material. This report will be void without authorized signature or special seal for testing report. Do not copied without authorization.

Tel:+86(0)21-51298625 Web:www.atbl-lab.com Email:atbl@atbl-lab.com

É

3

K

KBV

K

1



P

Kar

K3V

K3V

KBN KBN

Kal

K3N

K3N

KBV

Kal

Kar

K3V

Kan

K3V

K3V

K3V

K3V

F3V

KBV.

Boy

TABLE OF CONTENTS

3

REVISION HISTORY	3
DECLARATION OF REPORT	4
1. GENERAL DESCRIPTION	
1.1. Applicant	
1.2. Manufacturer	5
1.3. Factory	
1.4. General Information of EUT	6
1.5. Laboratory Information	
2. FCC 47CFR §2.1091 Requirement	
2.1. Test Standards	
2.2. Limit	
2.3. MPE Calculation Method	
2.4. Antenna Information	
2.5. Manufacturing Tolerance	
2.6. Test Result	1.03

FBV

K3V

K3V

F

Lin,



6

1

BY

Z23V

K3V

1

K3N **REVISION HISTORY**

KS

V

Revisions Initial Release	Revised by
Initial Release	N/A
Par Kar Kar	TAN ASIV A
Par Kar Kar	TON TON
Par Handy	FBW FBW
TON ESTATISTICAL	E ESE
Par F Fair	F B
Par L Par	1 3
F By	Trans.
20 18	all I
(12
D' N	L 73
5	F 13
200	FA
5 N F 3	E.
1. YS. 1. E.	25
F 23	E all
E F B	The same
D	1 12
3	N PR
F 35 1	E CONTRACTOR AND A FEB
E ST	3
5	L 32
N Y	F 32
N F 3	E.
P. F.	EST ST
F 3	
F 33	5
F all	1. 13.
3 1	P. P
1 73	Car Land
D'AV F	3 F
1 13	SHATBL-W-122/A
	Page 3 of 9



DECLARATION OF REPORT

- 1. The device has been tested by ATBL, and the test results show that the equipment under test (EUT) is in compliance with the requirements of 47 CFR Part 2.1091. And it is applicable only to the tested sample identified in the report.
- 2. This report shall not be reproduced except in full, without the written approval of ATBL, this document only be altered or revised by ATBL, personal only, and shall be noted in the revision of the document.
- 3. The general information of EUT in this report is provided by the customer or manufacture, ATBL is only responsible for the test data but not for the information provided by the customer or manufacture.
- 4. The results in this report is only apply to the sample as tested under conditions. The customer or manufacturer is responsible for ensuring that the additional production units of this model have the same electrical and mechanical components.
- 5. In this report, '□' indicates that EUT does not support content after '□', and '☑' indicates that it supports content after '☑'



1. GENERAL DESCRIPTION

1.1. Applicant

Name : Guangdong Wukong Technology Co.,Ltd

Address : No. 3, 3rd Floor, Building 5, No. 1, Jinxi Erheng Road, Jianghai District, Jiangmen

City

1.2. Manufacturer

Name : Guangdong Wukong Technology Co.,Ltd

Address : No. 3, 3rd Floor, Building 5, No. 1, Jinxi Erheng Road, Jianghai District, Jiangmen

City, Guangdong Province, China

1.3. Factory

Name : Guangdong Wukong Technology Co.,Ltd

Address : No. 3, 3rd Floor, Building 5, No. 1, Jinxi Erheng Road, Jianghai District, Jiangmen

City, Guangdong Province, China



1.4. General Information of EUT

Product Name	remote control
Trade Name	WK
Model Name	WK-TQ5000
Series Model	N/A
Model Difference	N/A
Frequency band	433.92MHz
Power supply	DC 3V from Battery
Modulation Type	ASK
Antenna type:	PCB Antenna
Antenna gain:	2dBi
Hardware version number	V1.0
Software version number	V1.0

1.5. Laboratory Information

Company Name:	Shanghai ATBL Technology Co., Ltd.
Address:	Building 8, No. 160, Basheng Road, Waigaoqiao Free Trade Zone, Pudong New Area, Shanghai
Telephone:	+86(0)21-51298625
Designation Number:	CN1306
A2LA-Lab Cert. No.:	6184.01
ISED Designation Number:	27371



2. FCC 47CFR §2.1091 Requirement

2.1. Test Standards

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

According to §1.1310 and §2.1091 RF exposure is calculated.

KDB447498 D04: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies

2.2. Limit

1-mW Test Exemption:

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.



2.3. MPE Calculation Method

Predication of MPE limit at a given distance Equation from page 18 of OET Bulletin 65, Edition 97-01

S=PG/4πR²

Where: S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna

2.4. Antenna Information

EUT can only use antennas certificated as follows provided by manufacturer;

Antenna	Model No. of antenna:	Type of antenna:	Gain of the antenna (Max.)	Frequency range: (MHz)
433.92M	- /	PCB Antenna	2dBi	433.92

2.5. Manufacturing Tolerance

Frequency	E all	ANT0	- F
(MHz)	433.92	F 2	
Target (dBm)	-33.92	- F	25 -
Tolerance ± (dB)	1.0	(S. 1	F 13

Note: dBm= dBuV-95.2=61.28dBuV-95.2=-33.92dBm



2.6. Test Result

Modulation Type		t power rget) mW	Antenna Gain (dBi)	MPE Exemption
433.92MHz	-32.92	0.00051	2	<1mW

Note:

- 1. The Maxinum power is less than the limit, complies with the exemption requirements.
- 2.Output power including turn-up tolerance;

*****END OF THE REPORT***