ITL

Page 1 of 6

Report No.: D190328002-1

RF Exposure evaluation report

Applicant:	Guangzhou Juan Intelligent Tech Joint Stock Co.,Ltd	
Address of Applicant:	No.2 Plant ,West of Shanxi country , Dashi street, Panyu District, Guangzhou City, China	
Manufacturer:	Guangzhou Juan Intelligent Tech Joint Stock Co.,Ltd	
Address of Manufacturer:	No.2 Plant ,West of Shanxi country , Dashi street, Panyu District, Guangzhou City, China	
Product name:	WNVR	
Model:	WNVR-C20-81-JUN, WNVR-C20-8-JUN, WNVR201-44P, WNVR201-84P, WNVR201-88P, WNVR201-88P-B, CAN-WNVR201-44P, WM-WNVR-421, C-WNVR861P-B, WNVR201-86P-B, WNVR201-42P, WNVR201-42P-B, WNVR201-44P-B, WM-WNVR-841, WNVR201-44P-R, CL-2WNC1-82, CL-2WNC1-88, WNC21-82-B, WNVRC20-821, WNVRC20-841	
Rating(s):	DC12V 2A	
Trademark:	NIGHT OWL	
Standards:	47 CFR Part 1.1310 (2013) 47 CFR Part 2.1091 (2013) KDB447498D01 General RF Exposure Guidance v06	
FCC ID:	2APRB-WNVR-C20-JUNF	
Date of Receipt:	2019-03-27	
Date of Test:	2019-03-27~2019-04-26	
Date of Issue:	2019-04-26	
Test Result	Pass*	

<sup>\*</sup> In the configuration tested, the test item complied with the standards specified above.

Authorized for issue by:			CC	0.	
Test by:			Reviewed by		
Apr.26, 2019	Galen Xiao Qa(	en Yiao	Apr.26, 2019	Pauler Li	
Date	Name/Position	Sianature	Date	Name/Position	Signature



Page 2 of 6 Report No.: D190328002-1

#### Possible test case verdicts:

test case does not apply to the test object ..: N/A

test object does meet the requirement ......: P (Pass)

test object does not meet the requirement ..: F (Fail)

#### **Testing Laboratory information:**

Testing Laboratory Name .....: ITL Co., Ltd

Address : No. 8 Jinqianling Street 5, Huangjiang Town, Dongguan,

Guangdong, 523757 P.R.C.

Testing location : Same as above

Tel : 0086-769-39001678

Fax : 0086-20-62824387

E-mail : itl@i-testlab.com

#### **General remarks:**

The test results presented in this report relate only to the object tested.

The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.

This report would be invalid test report without all the signatures of testing technician and approver. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

#### **General product information:**

The models WNVR-C20-81-JUN, WNVR-C20-8-JUN, WNVR201-44P, WNVR201-84P, WNVR201-88P, WNVR201-88P-B, CAN-WNVR201-44P, WM-WNVR-421, C-WNVR861P-B, WNVR201-86P-B, WNVR201-42P, WNVR201-42P-B, WNVR201-44P-B, WM-WNVR-841, WNVR201-44P-R, CL-2WNC1-82, CL-2WNC1-88, WNC21-82-B, WNVRC20-821 and WNVRC20-841 are identical to each other except for model names.

All tests were performed on the model WNVR-C20-81-JUN as representative.

Page 3 of 6

Report No.: D190328002-1



# 1 Contents

			Page
1	СО	NTENTS	3
2		NERAL INFORMATION	
	2.1	CLIENT INFORMATION	4
	2.2	GENERAL DESCRIPTION OF E.U.T.	4
	2.3	DETAILS OF E.U.T.	4
	2.4	DESCRIPTION OF SUPPORT UNITS	4
	2.5	TEST LOCATION	5
	2.6	DEVIATION FROM STANDARDS	5
	2.7	ABNORMALITIES FROM STANDARD CONDITIONS	
	2.8	OTHER INFORMATION REQUESTED BY THE CUSTOMER	
	2.9	TEST FACILITY	5
3	SA	R EVALUATION	6
	3.1	RF Exposure Compliance Requirement	6
	3.1.1	STANDARD REQUIREMENT	
	3.1.2	EUT RF Exposure	6

Page 4 of 6 Report No.: D190328002-1

## **2 General Information**

#### 2.1 Client Information

Applicant: Guangzhou Juan Intelligent Tech Joint Stock Co.,Ltd

Address of Applicant: No.2 Plant ,West of Shanxi country , Dashi street, Panyu District, Guangzhou

City, China

### 2.2 General Description of E.U.T.

Name: WNVR

Model No.: WNVR-C20-81-JUN

Trade Mark: NIGHT OWL

Operating Frequency: 802.11 b/g/n(HT20): 2412MHz-2462MHz

Channels: 802.11b, 802.11g, 802.11n(20MHz): 11

802.11n(40MHz): 7

Type of Modulation: CCK, OFDM, QPSK, BPSK, 16QAM, 64QAM

Antenna Reference SMA-reverse antenna with 5dBi peak Gain

Function: Network Video Recorder

#### 2.3 Details of E.U.T.

EUT Power Supply: 12Vdc, 2A

Test mode for WIFI: The EUT was operated in the engineering mode to fix the Tx frequency that

was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest possible

emissions level, more detailed description as follows:

Test Mode List				
Test Mode	Description	Remark		
TM1	802.11b	2412MHz, 2437MHz, 2462MHz,		
TM2	802.11g	2412MHz, 2437MHz, 2462MHz,		
TM3	802.11n(HT20)	2412MHz, 2437MHz, 2462MHz,		
TM4	802.11n(40MHz)	2422MHz, 2437MHz, 2452MHz,		

# 2.4 Description of Support Units

The EUT has been tested as an independent unit for fixed frequency by testing lab.

Page 5 of 6 Report No.: D190328002-1

#### 2.5 Test Location

All tests were performed at:

ITL Co., Ltd

No. 8 Jinqianling Street 5, Huangjiang Town, Dongguan, Guangdong, 523757 P.R.C.

0086-769-39001678

itl@i-testlab.com

No tests were sub-contracted.

## 2.6 Deviation from Standards

Biconical and log periodic antennas were used instead of dipole antennas.

#### 2.7 Abnormalities from Standard Conditions

None.

## 2.8 Other Information Requested by the Customer

None.

## 2.9 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• CNAS( Lab code:L9342)

• FCC (Registration No.: 239076)

• IC (Registration NO.:CN0025)

Page 6 of 6 Report No.: D190328002-1

# 3 SAR Evaluation

# 3.1 RF Exposure Compliance Requirement

# 3.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06 and FCC 1.1310 Radiofrequency radiation exposure limits for General Population/Uncontrolled Exposure

# 3.1.2 EUT RF Exposure

The Max Output Power is 19.85dBm in 802.11n(HT20) Lowest channel (2. 437GHz);
Antenna gain:8.01dBi
R=20cm

 $S=PG/4 \pi R^2=0.122<1(limits)$