



BUREAU
VERITAS

Test Report No.: FS150401N006

RF EXPOSURE REPORT

Applicant	Jmatek Limited
Address	Suite 808A, Tower A, Manulife Financial Centre, 223-231 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

Manufacturer or Supplier	KAIPING NEW WIDETECH ELECTRONIC CO. LTD.
Address	First building No. 40 Xing Da Road, Shuiko Town, Kaiping city, Guangdong, 529300 CHINA
Product	Portable air conditioner
Brand Name	Honeywell
Model	MN13CESWWF
Additional Model & Model Difference	MN10CESF, MN12CESF, MN10CESWWF, MN10CESBBF, MN12CESWWF, MN12CESBBF, MN13CESF, MN13CESBBF, MN13CHESF
Date of tests	Apr. 01, 2015 ~ Apr. 22, 2015

FCC Part 2 (Section 2.1091)

KDB 447498 D03

IEEE C95.1

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Heise Chen Project Engineer/ EMC Department	Approved by Chris Chen Assistant Manager / EMC Department

Date: Apr. 22, 2015

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS150401N006	Original release	Apr. 22, 2015



1. CERTIFICATION

FCC ID:	2AFDNP01
PRODUCT:	Portable air conditioner
BRAND NAME:	Honeywell
MODEL NO.:	MN13CESWWF
ADDITIONAL NO.:	MN10CESF, MN12CESF, MN10CESWWF, MN10CESBBF, MN12CESWWF, MN12CESBBF, MN13CESF, MN13CESBBF, MN13CHESF
TEST SAMPLE:	Engineering Sample
APPLICANT:	Jmatek Limited
TESTED DATE:	Apr. 22, 2015
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D03
	IEEE C95.1

NOTE: Additional models (see above table) are identical with the test model MN13CESWWF
except the identify by numerical and character, their meaning as below:

MN --- family model which same cabinet, electrical.

10/12/13—represents for BTC, e.g. 10 for 10000BTU, 12 for 12000BTU, 13 for 13000BTU.

CES—represents features cool, LED display.

WW—represents main unit in white color.

BB – represents main unit in Black color.

F—Wi-Fi version.

Remark: Without WW, BB means basic version in silver and black color.



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RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz

2. MPE CALCULATION FORMULA

$$Pd = (Pout*G) / (4*pi*r^2)$$

where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

3. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.



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4. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Total Gain (dBi)	Antenna Type
Chain 0	1.0	1.0	PCB Antenna

5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412-2462	137.721	1.0	20	0.0274	1.00

Conclusion

Therefore device complies with FCC's RF radiation exposure limits for general population in mobile exposure category (distance > 20cm)

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