

RF EXPOSURE REPORT

REPORT NO.: SA140609E02A

MODEL NO.: MWF-5201

FCC ID: O6LMWF-5201

RECEIVED: June 09, 2014

TESTED: June 17, 2014

ISSUED: June 25, 2014

APPLICANT: TRANWO TECHNOLOGY CORP.

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ISSUED BY: Bureau Veritas Consumer Products Services (H.K.)
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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA140609E02A	Original release	June 25, 2014

1. CERTIFICATION

PRODUCT: WiFi Module
BRAND NAME: TRANWO
MODEL NO.: MWF-5201
TEST SAMPLE: ENGINEERING SAMPLE
APPLICANT: TRANWO TECHNOLOGY CORP.
TESTED DATE: June 17, 2014
STANDARDS: FCC Part 2 (Section 2.1091)
FCC OET Bulletin 65, Supplement C (01-01)
IEEE C95.1

The above equipment (Model: MWF-5201) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY :  , **DATE:** Jun. 25, 2014
(Claire Kuan, Specialist)

APPROVED BY :  , **DATE:** Jun. 25, 2014
(May Chen, Manager)

2. 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

3. MPE CALCULATION FORMULA

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

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

4. 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**.

5. ANTENNA GAIN

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

Antenna	Antenna Type	Antenna Connector	Gain(dBi)	Frequency range (GHz)
1	Dipole	NA	2.11	2.4~2.4835
2	Dipole	NA	-0.8343	2.4~2.4835

6. 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	212.324	2.11	20	0.06866	1.00

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