

RF EXPOSURE REPORT

REPORT NO.: SA120604E06

MODEL NO.: DVW324

FCC ID: XCNDVW324

RECEIVED: June 04, 2012

TESTED: July 02, 2012

ISSUED: July 11, 2012

APPLICANT: Ubee Interactive Corp.

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ISSUED BY: Bureau Veritas Consumer Products Services

(H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory

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R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO. REASON FOR CHANGE		DATE ISSUED
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1. CERTIFICATION

PRODUCT: Broadcom 3383Z Wireless eMTA

BRAND NAME: UBEE

MODEL NO.: DVW324

TEST SAMPLE: R&D SAMPLE

APPLICANT: Ubee Interactive Corp.

TESTED DATE: July 02, 2012

STANDARDS: FCC Part 2 (Section 2.1091)

FCC OET Bulletin 65, Supplement C (01-01)

IEEE C95.1

The above equipment (Model: DVW324) 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: July 11, 2012

(Elsie Hsu, Specialist)

APPROVED BY : , DATE: <u>July 11, 2012</u>

(May Chen Deputy Manager)



2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	~	AVERAGE TIME (minutes)						
LIMI	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

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

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

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

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

Antenna	Brand	Model No.	Gain Include c	` '	Cable (dB		Antenna	Connect	Cable	Frequency range
			2.4GHz	5GHz	2.4GHz	5GHz	Type	or Type	Length	(GHz ~ GHz)
1	WHA YU	C107-510924-A	3.6	3.6 3.5	0.87 1.41	PIFA	HRS	200	2.4~ 2.5	
'		(SSR-20858) 3.0 3.3 0.07	0.07	0.07		пко	300mm+/- 5	4.9~ 5.85		
2	WILLY VII	C107-510925-A		3.5	0.14	0.23	PIFA	LIBO	50 ./ 0	2.4~ 2.5
	WHA YU	(SSR-21076)	3.3	3.5	0.14	0.23	1 1170	HRS	50mm +/- 3	4.9~ 5.85



6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

For 15.247(2.4GHz):

FREQUENCY BAND (MHz) MAX POWER (mW)		ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm²)	LIMIT (mW/cm²)
2412-2462	597.116	3.6	20	0.27214	1

For 15.247(5GHz):

FREQUENCY BAND (MHz) MAX POWER (mW)		ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm²)
5745 ~ 5825	289.165	3.5	20	0.12879	1

For 15.407(5GHz):

FREQUENCY BAND (MHz) MAX POWER (mW)		ANTENNA GAIN (dBi) DISTANCE (cm)		POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm²)
5190 ~ 5230	48.613	3.5	20	0.02165	1

--- END ---