RF Exposure Report

Report No.: SA170221E06

FCC ID: XCNUBC1307

Test Model: UBC1307

Received Date: Feb. 21, 2017

Test Date: Mar. 06, 2017

Issued Date: May. 23, 2016

Applicant: Ubee Interactive Corp.

Address: 10F-1, No. 5, Taiyuan 1st St. Jhubei Ci, Hsinchu County 302, Taiwan, R.O.C.

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory

Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.

Table of Contents

Release Control Record

Issue No.	Description	Date Issued
SA170221E06	Original release.	May. 23, 2016

1 Certificate of Conformity

Product:	Wireless eMTA, Cable Modem
Brand:	Ubee
Test Model:	UBC1307
Sample Status:	ENGINEERING SAMPLE
Applicant:	Ubee Interactive Corp.
Test Date:	Mar. 06, 2017
Standards:	FCC Part 2 (Section 2.1091) KDB 447498 D01 General RF Exposure Guidance v06 IEEE C95.1-1992

The above equipment 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 : Cindy Hsin , **Date:** May. 23, 2016

Cindy Hsin / Specialist

Approved by : , **Date:** May. 23, 2016

May Chen / Manager

2 RF Exposure

2.1 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

2.2 MPE Calculation Formula

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

where

Pd = power density in mW/cm^2

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

2.3 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**.

2.4 Antenna Gain Table

Antenna No	Brand	Model	Antenna Net Gain (dBi)	Frequency range (GHz)	Antenna Type	Connecter Type
1	NA	NA	3.41	2.4~2.4835	PCB(Printing)	none (like solder)
2	NA	NA	3.48	2.4~2.4835	PCB(Printing)	none (like solder)

3 Calculation Result of Conducted Power

Frequency (MHz)	Max Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
2412-2462	703.137	6.46	20	0.61911	1

Note: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 6.46$dBi

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