RF EXPOSURE REPORT

REPORT NO.:	SA140715C03
MODEL NO.:	PX* (* can be 0~9, A~Z or Blank)
FCC ID:	HFS-PX3
RECEIVED:	Jul. 15, 2014
TESTED:	Jul. 25 ~ Aug. 14, 2014
ISSUED:	Aug. 27, 2014

APPLICANT:	Quanta Computer Inc
ADDRESS:	188 Wen Hwa 2nd Rd., Kuei Shan Hsiang Tao Yuan Hsien Taiwan

ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
LAB ADDRESS:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.
TEST LOCATION:	No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA140715C03	Original release.	Aug. 27, 2014

1. CERTIFICATION

PRODUCT:	Quanta Video Presence Solution
MODEL:	PX* (* can be 0~9, A~Z or Blank)
BRAND:	Quanta
APPLICANT:	Quanta Computer Inc
TESTED:	Jul. 25 ~ Aug. 14, 2014
TEST SAMPLE:	ENGINEERING SAMPLE
STANDARDS:	**FCC Part 2 (Section 2.1091)**
	KDB 447498 D03
	IEEE C95.1

The above equipment (Model: PX3) 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 : Celine Chou **, DATE :** Aug. 27, 2014

Celine Chou / Specialist

APPROVED BY : Ken Liu **, DATE :** Aug. 27, 2014

Ken Liu / Senior 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 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2412-2462	18.25	2.87	20	0.026	1
5180-5240	7.98	3.58	20	0.003	1
5736-5814	6.65	4.21	20	0.002	1

FREQUENCY BAND (MHz)	MAX POWER (dBuV/m)	MAX POWER (dBm)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
6336-7920	72.59	-32.17	20	0.0000001	1

* Max. Power of UWB Band was provided by client.

CONCULSION:

The WLAN 2.4G & WLAN 5G & UWB Band can transmit simultaneously, the formula of calculated the MPE is:

CPD1 / LPD1 + CPD2 / LPD2 + ……etc. < 1

CPD = Calculation power density

LPD = Limit of power density

WLAN 2.4G + WLAN 5.0G + UWB = 0.026 + 0.003 + 0.0000001 = 0.0290001

Therefore, the maximum calculation of this situation is 0.0290001, which is less than the “1” limit.