

RF EXPOSURE REPORT

REPORT NO.: SA130607E05

MODEL NO.: xPico Wi-Fi

FCC ID: R68XPICOW

RECEIVED: June 07, 2013

TESTED: June 18, 2013

ISSUED: July 04, 2013

APPLICANT: Lantronix

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ISSUED BY: Bureau Veritas Consumer Products Services

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA130607E05	Original release	July 04, 2013

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1. CERTIFICATION

PRODUCT: 802.11b/g/n Wireless Module

BRAND NAME: Lantronix

MODEL NO.: xPico Wi-Fi

TEST SAMPLE: ENGINEERING SAMPLE

APPLICANT: Lantronix

TESTED DATE: June 18, 2013

STANDARDS: FCC Part 2 (Section 2.1091)

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

IEEE C95.1

The above equipment (Model: xPico Wi-Fi) 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.

(Elsie Hsu, Specialist)

(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)	~	AVERAGE TIME (minutes)					
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE									
300-1500	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. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY- (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm²)
2412 ~ 2462	231.739	2.5	20	0.08198	1

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