

RF EXPOSURE REPORT

REPORT NO.: SA111003C18

MODEL NO.: LPM 1.0 module

FCC ID: PU5-LPM

RECEIVED: Jul. 04, 2011

TESTED: Jul. 27 ~ Aug. 10, 2011

ISSUED: Oct. 04, 2011

APPLICANT: Wistron Corporation

ADDRESS: 21F, No. 88, Sec.1, Hsin Tai Wu Rd., Hsichih

Dist, New Taipei City 221, Taiwan, R.O.C

ISSUED BY: Bureau Veritas Consumer Products Services

(H.K.) Ltd., Taoyuan Branch

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou

Hsiang, Taipei Hsien 244, 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
Original release	NA	Oct. 04, 2011

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1. CERTIFICATION

PRODUCT: 802.11 bgn Hybrid Switch Module

MODEL NO.: LPM 1.0 module

BRAND: Wistron

APPLICANT: Wistron Corporation

TEST SAMPLE: ENGINEERING SAMPLE

TESTED: Jul. 27 ~ Aug. 10, 2011

STANDARDS: FCC Part 2 (Section 2.1091)

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

IEEE C95.1

The above equipment (Model: LPM 1.0 module) 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: Oct. 04, 2011

Polly Chien / Specialist

APPROVED BY : , DATE: Oct. 04, 2011

Gary Chang Technical Manager



2. RF EXPOSURE

2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY ELECTRIC FIELD STRENGTH (V/m)		MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm²)	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

2.2 MPE CALCULATION FORMULA

Pd = (Pout*G) / (4*pi*r2)

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

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

ANTENNA TYPE	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm²)	LIMIT (mW/cm²)
PIFA	23.2	3.35	20	0.090	1
Monopole	23.2	2.17	20	0.069	1