RF EXPOSURE REPORT

REPORT NO.:	SA110927E06
MODEL NO.:	DWL-3600AP, DWL-3600AP(PC)
FCC ID:	KA2WL3600APA1
RECEIVED:	Sep. 27, 2011
TESTED:	Oct. 22, 2011
ISSUED:	Dec. 01, 2011

APPLICANT:	D-Link Corporation
ADDRESS:	No.289, Sinhu 3rd Rd., Neihu District, Taipei City 114, Taiwan, R.O.C.

ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA110927E06	Original release	Dec. 01, 2011

1.CERTIFICATION

PRODUCT:	802.11n single band Unified Access Point
BRAND NAME:	D-Link
MODEL NO.:	DWL-3600AP, DWL-3600AP(PC)
TEST SAMPLE:	MASS-PRODUCTION
TESTED:	Oct. 22, 2011
APPLICANT:	D-Link Corporation
STANDARDS:	FCC Part 2 (Section 2.1091)
	FCC OET Bulletin 65, Supplement C (01-01)
	IEEE C95.1

The above equipment (Model: DWL-3600AP) 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:** *Dec. 01, 2011*
(Claire Kuan, Specialist)

APPROVED BY : _____ , **DATE:** *Dec. 01, 2011*
(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)	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

3. 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

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

There are two antennas provided to this EUT, please refer to the following table:

Transmitter Circuit	Manufacturer	Model No.	Antenna Type	Gain (dBi)	Antenna Connector
Chain (0)	WHA YU GROUP	C037-511129-AW1	PIFA	5.8	I-PEX
Chain (1)	WHA YU GROUP	C037-511129-AW2	PIFA	5.3	I-PEX

The EUT incorporates CDD function with 802.11g.

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

802.11b:

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm^2)	LIMIT (mW/cm^2)
2412-2462	380.2	5.8	20	0.288	1.00

802.11g:

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm^2)	LIMIT (mW/cm^2)
2412-2462	533.0	8.6	20	0.768	1.00

Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2]
Effective Legacy Gain (dBi)=8.6

802.11n(20MHz):

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm^2)	LIMIT (mW/cm^2)
2412-2462	876.7	5.8	20	0.663	1.00

802.11n(40MHz):

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm^2)	LIMIT (mW/cm^2)
2422-2452	279.4	5.8	20	0.211	1.00

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