



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: KA2AP2310B1

Project No. : 1404C049
Equipment : 1) AirPremier N Access Point;
2) Wireless N Access Point
Model : DAP-2310
Applicant : D-LINK Corporation
Address : 17595 Mt. Herrmann, Fountain Valley
California, United States

According: : FCC Guidelines for Human Exposure IEEE C95.1

Neutron Engineering Inc.

***No.3, Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan,
China.***

TEL : (0769) 8318-3000 FAX : (0769) 8319-6000



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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:



S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Group 1

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1		C037-510982-A	Dipole	SMA Straight Plug Revers	2	TX/RX
2		C037-510982-A	Dipole	SMA Straight Plug Revers	2	TX/RX

Group 2

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	WANSHIH ELECTRONIC CO., LTD.	WSS007	Dipole	RP-SMA	5	TX/RX
2	WANSHIH ELECTRONIC CO., LTD.	WSS007	Dipole	RP-SMA	5	TX/RX



TEST RESULTS

EUT :	1) AirPremier N Access Point; 2) Wireless N Access Point	Model Name :	DAP-2310
Temperature :	25°C	Relative Humidity :	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B Mode/CH01/CH06/CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5	3.1623	24.13	258.8213	0.16291098	1	Complies
5	3.1623	27.12	515.2286	0.32430255	1	Complies
5	3.1623	27.21	526.0173	0.33109328	1	Complies

EUT :	1) AirPremier N Access Point; 2) Wireless N Access Point	Model Name :	DAP-2310
Temperature :	25°C	Relative Humidity :	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G Mode/CH01/CH06/CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5	3.1623	24.14	259.4179	0.16328653	1	Complies
5	3.1623	29.71	935.4057	0.58877637	1	Complies
5	3.1623	26.82	480.8393	0.30265675	1	Complies



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EUT :	1) AirPremier N Access Point; 2) Wireless N Access Point	Model Name :	DAP-2310
Temperature :	25°C	Relative Humidity :	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M Mode_Total/CH01/CH06/CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5	3.1623	26.03	400.8667	0.25231924	1	Complies
5	3.1623	29.91	979.4900	0.61652454	1	Complies
5	3.1623	27.51	563.6377	0.35477284	1	Complies

EUT :	1) AirPremier N Access Point; 2) Wireless N Access Point	Model Name :	DAP-2310
Temperature :	25°C	Relative Humidity :	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-40M Mode_Total/CH03/CH06/CH09		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5	3.1623	22.88	194.0886	0.12216600	1	Complies
5	3.1623	29.65	922.5714	0.58069805	1	Complies
5	3.1623	26.93	493.1738	0.31042048	1	Complies

Note: the calculation distance is 20cm.