

FCC RF EXPOSURE REPORT

FCC ID: KA2AP1530A1

Project No. : 1708C079
Equipment : 1) AC750 Plus WiFi Range Extender, 2) AC1200 WiFi Range Extender
Model : 1) DAP-1530, 2) DAP-1610
Applicant : D-LINK Corporation
Address : 17595 Mt. Herrmann, Fountain Valley, California, United States 92708

According: : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091

B T L I N C .

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, China.

TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

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

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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	Dipole	N/A	3
2	N/A	N/A	Dipole	N/A	3

TEST RESULTS

EUT:	AC750 Plus WiFi Range Extender	Model Name :	DAP-1530
Temperature:	25 °C	Relative Humidity:	60 %
Test Voltage:	AC 120V/60Hz		

2.4G WIFI

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
3	1.9953	28.37	687.0684	0.27286659	1	Complies

5G Band UNII-1

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
3	1.9953	17.92	61.9441	0.02460086	1	Complies

5G Band UNII-3

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
3	1.9953	17.88	61.3762	0.02437532	1	Complies

For 2.4G+5G simultaneous transmission MPE:

$$0.2729/1+0.0246/1=0.2975$$

Note: the calculated distance is 20 cm.