

FCC RF EXPOSURE REPORT

FCC ID:KA2IR803B1

Project No. : 1408C111
Equipment : 1) Wireless AC750 Dual Band Router
2) Wireless AC750 Dual Band Easy Router
Model : DIR-803;GO-RT-AC750
Applicant : D-LINK Corporation
Address : No.289, Sinhu 3rd Rd., Neihu District, Taipei
City 114, Taiwan,
R.O.C.
According: : FCC Guidelines for Human Exposure IEEE
C95.1

B T L I N C .

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

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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.	Manufacturer	Model Name	Antenna Type	Connector	Gain(dBi)
1	Nienyi Industrial Corp.	N/A	Dipole	N/A	4.1

TEST RESULTS

EUT :	Wireless AC750 Dual Band Router	Model Name :	DIR-803
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX A Mode		

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
4.1	2.5704	21.55	142.8894	0.07310555	1	Complies
4.1	2.5704	22.32	170.6082	0.08728716	1	Complies
4.1	2.5704	23.14	206.0630	0.10542664	1	Complies

EUT :	Wireless AC750 Dual Band Router	Model Name :	DIR-803
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N20 Mode		

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
4.1	2.5704	22.12	162.9296	0.08335859	1	Complies
4.1	2.5704	22.3	169.8244	0.08688611	1	Complies
4.1	2.5704	22.64	183.6538	0.09396159	1	Complies

EUT :	Wireless AC750 Dual Band Router	Model Name :	DIR-803
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N40 Mode		

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
4.1	2.5704	22.32	170.6082	0.08728716	1	Complies
4.1	2.5704	23.41	219.2805	0.11218902	1	Complies

Note: the calculated distance is 20 cm.