

# **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 .**

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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)
0	Nienyi Industial Corp.	N/A	Dipole	N/A	4.3
1	Nienyi Industial Corp.	N/A	Dipole	N/A	3.1

## 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 B MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
4.3	2.6915	22.11	162.5549	0.08708641	1	Complies
4.3	2.6915	24.45	278.6121	0.14926238	1	Complies
4.3	2.6915	22.17	164.8162	0.08829790	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 G MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
4.3	2.6915	27.57	571.4786	0.30616135	1	Complies
4.3	2.6915	29.95	988.5531	0.52960292	1	Complies
4.3	2.6915	27.77	598.4116	0.32059029	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 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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
4.3	2.6915	26.82	480.8393	0.25760268	1	Complies
4.3	2.6915	29.03	799.8343	0.42849955	1	Complies
4.3	2.6915	27.7	588.8437	0.31546441	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 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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
4.3	2.6915	23.83	241.5461	0.12940480	1	Complies
4.3	2.6915	24.14	259.4179	0.13897938	1	Complies
4.3	2.6915	25.46	351.5604	0.18834338	1	Complies

Note: the calculated distance is 20 cm.