

# **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)
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
4.1	2.5704	23.14	206.0630	0.10542664	1	Complies
4.1	2.5704	23.27	212.3244	0.10863015	1	Complies
4.1	2.5704	23.05	201.8366	0.10326434	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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
4.1	2.5704	23.25	211.3489	0.10813104	1	Complies
4.1	2.5704	23.28	212.8139	0.10888057	1	Complies
4.1	2.5704	23.15	206.5380	0.10566967	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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
4.1	2.5704	23.76	237.6840	0.12160470	1	Complies
4.1	2.5704	23.44	220.8005	0.11296668	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 AC N-20M Mode		

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
4.1	2.5704	23.28	212.8139	0.10888057	1	Complies
4.1	2.5704	23.26	211.8361	0.10838031	1	Complies
4.1	2.5704	23.06	202.3019	0.10350239	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 AC N-40M Mode		

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
4.1	2.5704	23.73	236.0478	0.12076758	1	Complies
4.1	2.5704	23.39	218.2730	0.11167356	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 AC N-80M Mode		

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
4.1	2.5704	23.52	224.9055	0.11506689	1	Complies

Note: the calculated distance is 20 cm.