

FCC RF EXPOSURE REPORT

FCC ID: KA2IR605LB2

Project No. : 1408C090
Equipment : Wireless N 300 Cloud Router
Model : DIR-605L;DIR-905L
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**

BTL INC.

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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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	Nienyi	NYS0794	Dipole	N/A	5.23	TX/RX
2	Nienyi	NYS0795	Dipole	N/A	5.07	TX/RX

TEST RESULTS

EUT :	Wireless N 300 Cloud Router	Model Name :	DIR-605L
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
5.23	3.3343	21.25	133.3521	0.08850145	1	Complies
5.23	3.3343	22.27	168.6553	0.11193100	1	Complies
5.23	3.3343	21.36	136.7729	0.09077168	1	Complies

EUT :	Wireless N 300 Cloud Router	Model Name :	DIR-605L
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
5.23	3.3343	25.15	327.3407	0.21724529	1	Complies
5.23	3.3343	26.68	465.5861	0.30899423	1	Complies
5.23	3.3343	25.26	335.7376	0.22281805	1	Complies

EUT :	Wireless N 300 Cloud Router	Model Name :	DIR-605L
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
5.23	3.3343	25.01	316.9567	0.21035380	1	Complies
5.23	3.3343	26.65	462.3810	0.30686713	1	Complies
5.23	3.3343	25.06	320.6269	0.21278959	1	Complies

EUT :	Wireless N 300 Cloud Router	Model Name :	DIR-605L
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
5.23	3.3343	24.4	275.4229	0.18278913	1	Complies
5.23	3.3343	24.96	313.3286	0.20794590	1	Complies
5.23	3.3343	23.99	250.6109	0.16632226	1	Complies

Note: the calculated distance is 20 cm.