

RF EXPOSURE REPORT

REPORT NO.: SA120724E01D

MODEL NO.: DIR-845L

FCC ID: KA2IR845LA1

RECEIVED: July 24, 2012

TESTED: July 30, 2012

ISSUED: May 14, 2013

APPLICANT: D-Link Corporation

ADDRESS: No.289, Sinhu 3rd Rd., Neihu District,

Taipei City 114, Taiwan, R.O.C.

ISSUED BY: Bureau Veritas Consumer Products Services

(H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory

LAB ADDRESS: No. 81-1, Lu Liao Keng, 9th Ling, Wu Lung Tsuen,

Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan,

R.O.C.

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TABLE OF CONTENTS

RE	LEASE CONTROL RECORD	3
1.	CERTIFICATION	4
	RF EXPOSURE LIMIT	
3.	MPE CALCULATION FORMULA	5
4.	CLASSIFICATION	5
5.	ANTENNA GAIN	6
6.	CALCULATION RESULT OF MAXIMUM CONDUCTED POWER	7



RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA120724E01D	Original release	May 14, 2013



1. CERTIFICATION

PRODUCT: WHOLE HOME CLOUD ROUTER 2000

BRAND NAME: D-Link

MODEL NO.: DIR-845L

TEST SAMPLE: ENGINEERING SAMPLE

APPLICANT: D-Link Corporation

TESTED DATE: July 30, 2012

STANDARDS: FCC Part 2 (Section 2.1091)

FCC OET Bulletin 65, Supplement C (01-01)

IEEE C95.1

The above equipment (Model: DIR-845L) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

(Lori Chung, Specialist)

(May Chen, Manager)

4 of 7



2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	_	AVERAGE TIME (minutes)		
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE						
300-1500			F/1500	30		
1500-100,000			1.0	30		

F = Frequency in MHz

3. MPE CALCULATION FORMULA

 $Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

pi = 3.1416

r = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

5 of 7



5. ANTENNA GAIN

ANTENNA G	AIN				
Antenna 1				T -	1
Manufacture	Model name	Antenna Gain (dBi)	Frequency range (MHz to MHz)	Antenna Type	Connector
		3.33	2400~2483.5		NA
MEDIATEK	NA	4.8	5150~5350	PIFA	
MEDIATEN	INA	4.44	5470~5725	PIFA	
		4.4	5725~5850		
Antenna 2					
Manufacture	Model name	Antenna Gain (dBi)	Frequency range (MHz to MHz)	Antenna Type	Connector
		5.30	2400~2483.5		
MEDIATEIX	NA	3.33	5150~5350	PIFA	NA
MEDIATEK	NA	4.13	5470~5725	PIFA	INA
		3.75	5725~5850		
Antenna 3					
Manufacture	Model name	Antenna Gain (dBi)	Frequency range (MHz to MHz)	Antenna Type	Connector
		3.76	2400~2483.5		
MEDIATEK	NA	2.81	5150~5350	PIFA	NA
MEDIATEK	NA	3.08	5470~5725	PIFA	
		2.26	5725~5850		
Antenna 4					
Manufacture	Model name	Antenna Gain (dBi)	Frequency range (MHz to MHz)	Antenna Type	Connector
	NA	5.23	2400~2483.5		NA
MEDIATEK		2.42	5150~5350	PIFA	
MEDIATER		2.35	5470~5725	FIFA	
		3.21	5725~5850		
Antenna 5					
Manufacture	Model name	Antenna Gain (dBi)	Frequency range (MHz to MHz)	Antenna Type	Connector
	NA	4.87	2400~2483.5		NA
MEDIATEK		3.49	5150~5350	PIFA	
MEDIATER	INA	2.41	5470~5725	FIIA	
		2.56	5725~5850		
Antenna 6					
Manufacture	Model name	Antenna Gain (dBi)	Frequency range (MHz to MHz)	Antenna Type	Connector
	NA	4.92	2400~2483.5		
MEDIATEK		2.5	5150~5350	PIFA	NA
MILDIATER	INA	1.71	5470~5725	FIFA	INA
		1.49	5725~5850		



6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm²)
5260-5320 5500-5580 & 5660-5700	204.537	4.8	20	0.12289	1

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Report No.: SA120724E01D Reference No.: 130130E02 7 of 7