



RF EXPOSURE REPORT

REPORT NO.: SA971016L12A

MODEL NO.: DWA-552, DWA-547

FCC ID: KA2WA552A3

ACCORDING: FCC Guidelines for Human Exposure
IEEE C95.1

APPLICANT: D-Link Corporation

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ISSUED BY: Bureau Veritas Consumer Products Services
(H.K.) Ltd., Taoyuan Branch

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TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei
Shan Hsiang, Taoyuan Hsien 333, Taiwan,
R.O.C.

1. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz

2. MPE CALCULATION FORMULA

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

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

3. 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**.



4. TEST RESULTS

802.11b:

CHANNEL	CHANNEL FREQUENCY (MHz)	POWER OUTPUT (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER DENSITY (MW/CM ²)	LIMIT OF POWER DENSITY (MW/CM ²)
		CHAIN 0	CHAIN 1				
1	2412	16.53	16.56	90.268	19.56	0.028	1.000
6	2437	16.59	16.57	90.998	19.59	0.029	1.000
11	2462	16.55	16.52	90.060	19.55	0.028	1.000

802.11g:

CHANNEL	CHANNEL FREQUENCY (MHz)	POWER OUTPUT (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER DENSITY (MW/CM ²)	LIMIT OF POWER DENSITY (MW/CM ²)
		CHAIN 0	CHAIN 1				
1	2412	23.08	23.05	405.072	26.08	0.128	1.000
6	2437	23.12	23.07	407.884	26.11	0.129	1.000
11	2462	22.59	22.14	345.233	25.38	0.109	1.000

802.11n (20MHz):

CHANNEL	CHANNEL FREQUENCY (MHz)	POWER OUTPUT (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER DENSITY (mW/CM ²)	LIMIT OF POWER DENSITY (mW/CM ²)
		CHAIN 0	CHAIN 1				
1	2412	23.04	23.08	404.608	26.07	0.128	1.000
6	2437	23.07	23.11	407.413	26.10	0.128	1.000
11	2462	22.09	22.07	322.873	25.09	0.102	1.000

802.11n (40MHz):

CHANNEL	CHANNEL FREQUENCY (MHz)	POWER OUTPUT (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER DENSITY (mW/CM ²)	LIMIT OF POWER DENSITY (mW/CM ²)
		CHAIN 0	CHAIN 1				
1	2412	24.08	23.59	484.418	26.85	0.153	1.000
4	2437	25.03	25.07	639.786	28.06	0.202	1.000
7	2452	22.55	22.54	359.360	25.56	0.113	1.000