

RF EXPOSURE REPORT

REPORT NO.: SA140106C13D

MODEL NO.: TD-W8968

FCC ID: TE7TDW8968V4

RECEIVED: Jan. 06, 2014

TESTED: Apr. 29, 2014 ~ Mar. 20, 2015

ISSUED: May 19, 2015

APPLICANT: TP-LINK TECHNOLOGIES CO., LTD.

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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 Vil., Kwei Shan

Dist., Taoyuan City 33383, TAIWAN (R.O.C.)

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED	
SA140106C13D	Original release.	May 19, 2015	

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1. CERTIFICATION

PRODUCT: 300Mbps Wireless N USB ADSL2+ Modem Router

MODEL: TD-W8968

BRAND: TP-LINK

APPLICANT: TP-LINK TECHNOLOGIES CO., LTD.

TESTED: Apr. 29, 2014 ~ Mar. 20, 2015

TEST SAMPLE: Prototype

STANDARDS: FCC Part 2 (Section 2.1091)

KDB 447498 D03

IEEE C95.1

The above equipment (model: TD-W8968) 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.

PREPARED BY: _______ , DATE: _____ May 19, 2015



2. RF EXPOSURE

2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)			AVERAGE TIME (minutes)			
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE						
300-1500			F/1500	30		
1500-100,000			1.0	30		

F = Frequency in MHz

2.2 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

2.3 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**.

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2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

MODE	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm²)	LIMIT (mW/cm²)
802.11b	25.01	5	20	0.199	1
802.11g	25.27	5	20	0.212	1
802.11n (20MHz)	27.27	8.01	20	0.671	1
802.11n (40MHz)	24.73	8.01	20	0.374	1

NOTE: 802.11n (20MHz)/(40MHz): Directional gain = 5dBi + 10log(2) = 8.01dBi

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