



RF EXPOSURE REPORT

REPORT NO.: SA120718C17

MODEL NO.: TD-VG3631

FCC ID: TE7TDVG3631

RECEIVED: Jul. 18, 2012

TESTED: Jul. 21 ~ Nov. 02, 2012

ISSUED: Nov. 05, 2012

APPLICANT: TP-LINK TECHNOLOGIES CO., LTD.

ADDRESS: Building 24 (floors 1,3,4,5) and 28 (floors1-4)
Central Science and Technology Park,Shennan
Rd, Nanshan, Shenzhen,China

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

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist.,
New Taipei City, Taiwan, R.O.C.

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

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TABLE OF CONTENTS

| | |
|--|---|
| RELEASE CONTROL RECORD | 3 |
| 1. CERTIFICATION | 4 |
| 2. RF EXPOSURE..... | 5 |
| 2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)..... | 5 |
| 2.2 MPE CALCULATION FORMULA | 5 |
| 2.3 CLASSIFICATION | 5 |
| 2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER..... | 5 |



RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|-------------|-------------------|---------------|
| SA120711C30 | Original release | Sep. 07, 2012 |

1. CERTIFICATION

PRODUCT: 300Mbps Wireless N VoIP ADSL2+ Modem Router

MODEL: TD-VG3631

BRAND: TP-LINK

APPLICANT: TP-LINK TECHNOLOGIES CO., LTD.

TESTED: Jul. 21 ~ Nov. 02, 2012

TEST SAMPLE: PROTOTYPE

STANDARDS: FCC Part 2 (Section 2.1091)

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

IEEE C95.1

The above equipment (Model: TD-VG3631) 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 : Suntee Liu , DATE : Nov. 05, 2012
Suntee Liu / Specialist

APPROVED BY : Ken Liu , DATE : Nov. 05, 2012
Ken Liu / Manager

2. RF EXPOSURE

2.1 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

2.2 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

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**.

2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

| MAX POWER (dBm) | ANTENNA GAIN (dBi) | DISTANCE (cm) | POWER DENSITY (mW/cm ²) | LIMIT (mW/cm ²) |
|-----------------|--------------------|---------------|-------------------------------------|-----------------------------|
| 22.69 | 5 | 20 | 0.117 | 1 |