

RF EXPOSURE REPORT

REPORT NO.: SA120326C43A

MODEL NO.: TEW-712BR

FCC ID: XU8TEW712BR

RECEIVED: Mar. 19, 2012

TESTED: Mar. 19 ~ Apr 10, 2012

ISSUED: Apr. 23, 2012

APPLICANT: TRENDNET, Inc.

ADDRESS: 20675 Manhattan Place, Torrance, CA

90501, USA

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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1



TABLE OF CONTENTS

RELEA	ASE CONTROL RECORD	. 3
	CERTIFICATION	
	RF EXPOSURE	
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	. 6



RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA120326C43A	Original release	Apr. 23, 2012



1. CERTIFICATION

PRODUCT: N150 Wireless Router

MODEL: TEW-712BR

BRAND: TRENDnet

APPLICANT: TRENDNET, Inc.

TESTED: Mar. 19 ~ Apr 10, 2012

TEST SAMPLE: ENGINEERING SAMPLE

STANDARDS: FCC Part 2 (Section 2.1091)

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

IEEE C95.1

The above equipment (Model: TEW-712BR) 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.

Evelyn Wu Specialist Apr. 23, 2012

APPROVED BY : , DATE : Apr. 23, 2012

Gary Chang / Technical Manager



2. RF EXPOSURE

2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)			POWER DENSITY (mW/cm²)	AVERAGE TIME (minutes)					
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE									
300-1500	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*r2)

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**.



2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm²)	LIMIT (mW/cm²)
2412-2462	23.78	2	20	0.075	1